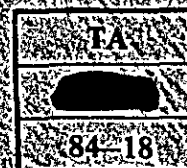


No. 39

**MASTER PLAN STUDY
ON
THE IRRIGATION AND DRAINAGE PROJECT
IN
THE ADJACENT AREA TO THE YACYRETA DAM
(SECOND YEAR)
APPENDIX I**

MARCH, 1984

JAPAN INTERNATIONAL COOPERATION AGENCY



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MARCH, 1984

JAPAN INTERNATIONAL COOPERATION AGENCY

国際協力事業団	
受入 月日 84. 6. 20	708
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METEOROLOGY AND HYDROLOGY

I METEOROLOGY

II HYDROLOGY

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for a systematic approach to data collection and the importance of using reliable sources of information.

3. The third part of the document focuses on the analysis of the collected data. It discusses the various techniques used to identify trends, patterns, and anomalies in the data, and how these insights can be used to inform decision-making.

4. The fourth part of the document discusses the importance of communication and reporting. It emphasizes that the results of the data analysis must be clearly and effectively communicated to the relevant stakeholders in order to ensure that they can take appropriate action.

5. The fifth part of the document discusses the importance of ongoing monitoring and evaluation. It emphasizes that the data analysis process is not a one-time activity, but rather an ongoing process that must be regularly updated and refined to ensure that the organization remains up-to-date on its performance and can make necessary adjustments.

6. The final part of the document provides a summary of the key findings and conclusions of the data analysis. It highlights the most significant insights and recommendations, and emphasizes the need for continued attention to data analysis as a key component of the organization's strategic planning and decision-making process.

I METEOROLOGY

Table 2-1-1-① Monthly Average Temperature
(Yacyreta)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1963	26.7	26.6	26.8	22.5	20.0	17.1	19.0	19.0	20.7	23.1	24.0	26.5	22.7
1964	28.3	27.3	25.4	22.4	19.9	14.3	*14.2	*17.0	*19.3	*20.7	*23.3	*25.2	21.4
1965	27.6	27.1	23.4	22.4	19.0	19.7	15.7	18.3	18.3	23.4	24.6	25.8	22.6
1966	26.7	25.9	25.0	23.4	19.5	18.4	17.4	15.9	18.4	21.9	26.4	26.6	22.1
1967	25.4	26.2	23.4	22.1	21.4	13.6	16.7	18.6	19.8	23.3	23.5	*27.3	*21.8
1968	26.3	26.5	24.8	18.3	15.9	16.9	17.3	17.5	17.5	22.6	26.9	26.9	21.4
1969	25.4	26.8	24.4	21.3	19.3	15.3	17.1	15.4	19.5	20.9	24.5	26.5	21.4
1970	27.0	26.4	25.6	24.2	19.3	16.2	15.6	16.3	18.8	21.4	21.8	26.0	21.5
1963/70													
1971	26.5	25.4	24.2	19.1	16.2	12.8	16.8	16.9	20.5	20.7	23.8	26.2	20.8
1972	25.9	25.9	24.5	20.2	20.8	19.9	15.7	15.8	20.0	19.5	22.6	24.6	21.3
1973	26.3	26.5	24.4	22.9	18.1	16.7	15.1	14.3	17.7	21.2	22.2	24.7	20.8
1974	26.8	25.5	24.0	21.1	18.6	14.3	17.4	16.2	18.4	20.1	22.3	24.6	20.8
1975	25.6	25.9	24.2	21.1	18.5	17.0	14.4	16.5	18.6	20.2	22.5	25.4	20.8
1976	26.4	25.2	22.7	19.8	16.7	14.7	15.6	16.3	17.6	21.2	23.5	25.4	20.4
1977	25.8	27.0	25.6	21.3	18.2	17.4	19.1	16.4	20.9	23.2	23.8	26.1	22.1
1978	27.0	25.5	25.7	19.7	16.6	16.1	17.6	15.6	19.4	22.4	23.3	25.8	21.2
1979	27.2	26.0	23.3	19.5	16.3	14.5	15.7	18.9	17.2	22.3	22.8	25.3	20.8
1980	25.9	25.8	26.6	23.6	19.8	15.3	14.9	17.7	16.9	21.0	22.3	25.6	21.3
1971/80	26.3	25.9	24.5	20.8	18.0	15.9	16.2	16.6	18.7	21.2	22.9	25.4	21.0

Table 2-1-1-② Monthly Average Temperature
(Encarnacion)

(Unit : °C)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1940	27.2	27.0	24.4	21.6	20.5	18.0	19.7	16.7	20.1	20.6	23.5	27.7	22.3
1941	27.4	24.9	22.8	23.1	19.1	16.1	16.3	19.0	15.9	21.4	23.1	24.9	21.2
1942	26.6	26.9	24.2	21.5	15.4	13.3	13.3	19.0	19.2	21.2	25.3	26.9	21.1
1943	28.2	27.3	25.4	20.6	19.7	16.9	17.8	13.9	20.1	23.4	24.7	26.5	22.0
1944	27.3	26.6	24.2	20.7	19.1	17.5	17.3	20.4	22.7	24.1	24.3	28.8	22.9
1945	28.5	28.5	25.6	23.4	17.7	14.3	17.7	21.9	20.0	24.5	24.3	25.7	22.7
1946	25.2	26.6	24.3	20.5	18.7	15.0	13.8	19.6	21.9	21.9	25.7	25.4	21.5
1947	27.3	27.4	24.5	21.5	19.0	18.0	14.6	16.9	19.7	21.2	25.3	26.8	21.9
1948	29.2	25.8	24.2	21.5	18.0	18.5	17.0	16.0	20.4	21.6	23.1	29.2	22.0
1949	27.0	26.8	25.9	20.1	18.7	17.8	17.0	17.8	19.5	20.4	25.9	26.7	22.0
1950	26.1	25.5	23.2	22.1	21.1	17.2	16.3	19.9	19.2	21.3	23.8	26.5	21.9
1941/50	27.3	26.8	24.4	21.5	18.6	16.5	16.1	18.4	19.9	22.1	24.5	26.7	21.9
1951	26.7	25.4	23.3	18.5	19.3	17.4	17.7	17.8	21.0	22.3	23.7	26.3	20.0
1952	28.4	26.2	26.2	19.0	20.9	13.4	18.0	20.2	18.7	21.4	24.1	26.6	21.9
1953	26.9	26.6	27.0	20.8	19.4	17.1	13.0	21.3	21.9	21.3	24.7	27.2	22.3
1954	27.1	27.1	25.1	22.5	17.0	17.1	15.9	18.7	19.3	20.3	26.7	26.4	20.3
1955	27.5	28.4	24.0	21.1	17.0	16.8	12.6	17.7	19.8	19.9	24.7	26.7	21.4
1956	26.5	26.4	24.7	19.4	14.5	14.4	15.2	17.1	20.3	22.8	24.9	27.3	21.1
1957	27.6	25.3	26.1	20.7	20.9	15.9	13.7	17.3	16.7	22.8	23.5	27.1	21.5
1958	28.5	27.3	24.8	20.8	18.3	18.7	18.5	15.2	20.2	21.7	23.9	25.4	21.9
1959	27.0	26.5	25.0	22.6	18.3	16.5	19.3	16.8	20.6	22.1	23.5	25.5	22.0
1960	27.6	25.8	24.5	20.7	15.6	17.2	17.5	17.5	19.9	23.0	24.5	27.3	21.8
1951/60	27.4	26.5	25.1	20.6	18.1	16.4	16.1	18.0	19.8	21.8	24.4	26.6	21.4
1961	28.2	26.8	23.8	20.9	19.3	17.1	17.3	21.1	19.6	23.6	24.7	27.2	22.4
1962	26.3	25.1	25.2	21.1	16.5	15.8	12.4	16.1	20.7	20.4	25.8	28.2	21.1
1963	28.4	27.3	26.6	21.3	19.3	16.2	18.8	19.5	20.9	22.5	23.5	25.8	22.5
1964	27.8	26.5	25.4	22.4	19.3	14.1	14.5	17.7	19.5	21.0	23.7	25.7	21.5
1965	27.1	26.3	22.9	22.1	18.4	19.3	15.6	18.5	18.8	22.7	24.2	25.2	21.7
1966	26.1	25.5	24.5	23.1	19.0	17.9	17.5	16.4	18.7	22.3	25.7	26.7	21.9
1967	25.5	26.1	23.3	21.9	21.2	14.2	16.8	19.6	20.7	23.8	24.1	27.6	22.0
1968	26.4	26.1	24.5	17.9	15.5	16.7	16.7	17.3	16.9	21.9	26.1	26.4	21.0
1969	25.2	26.6	24.3	20.3	19.0	15.3	17.2	15.4	19.8	20.8	23.9	25.5	21.1
1970	26.8	25.6	24.9	22.7	18.6	15.8	15.4	16.3	18.2	20.7	20.1	24.8	20.8
1941/70	26.8	26.2	24.5	21.4	18.6	16.2	16.2	17.8	19.4	22.0	24.2	26.3	21.6
1944/70	27.1	26.2	24.7	21.2	18.1	16.5	16.3	17.6	19.5	22.2	24.2	26.4	21.7
1971	25.0	24.7	23.1	18.1	15.4	12.7	16.3	17.0	20.2	19.9	23.4	25.3	20.1
1972	25.7	25.2	24.1	18.9	20.1	19.6	15.8	15.9	20.1	19.5	22.6	24.3	21.0
1973	26.6	26.7	23.7	22.2	17.3	16.1	15.4	13.9	17.8	21.2	21.7	24.3	20.6
1974	26.4	25.4	23.9	20.2	18.1	13.6	17.5	16.1	18.8	19.7	21.8	24.4	20.5
1975	24.8	25.7	23.4	20.2	17.6	16.9	14.1	17.1	19.0	19.7	22.2	25.1	20.5
1976	26.0	24.4	22.3	18.9	16.0	14.7	15.4	15.8	17.4	20.5	23.0	24.0	19.9
1977	25.5	26.8	25.3	20.7	17.3	17.2	19.5	16.6	20.8	23.0	23.4	26.0	21.8
1978	27.3	25.8	26.0	18.8	15.3	15.9	18.0	15.8	19.5	22.5	23.2	25.7	21.1
1979	27.6	26.0	23.2	19.1	16.0	14.4	15.7	19.1	17.2	22.2	23.0	25.5	20.7
1980	25.5	25.5	26.3	23.3	19.4	15.6	14.9	17.7	16.5	21.0	22.4	25.2	21.1
1971/80	26.0	25.6	24.1	20.0	17.2	15.7	16.3	16.5	18.7	20.9	22.7	25.1	20.7
1981	26.2	26.2	23.3	21.1	21.4	13.8	14.5	18.3	18.2	21.1	23.7	24.9	21.1

Table 2-1-1-③ Monthly Average Temperature
(San Juan Bautista)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1956	26.4	26.1	25.2	20.3	15.4	14.9	15.7	17.2	20.4	22.8	24.8	27.2	21.4
1957	27.6	25.5	26.5	21.1	21.6	16.9	14.6	18.6	17.6	24.1	24.8	27.6	22.2
1958	28.5	28.7	24.8	21.8	18.4	19.3	19.5	15.6	20.3	21.9	24.5	26.3	22.4
1959	27.2	27.9	26.1	23.0	19.3	17.6	19.8	17.2	20.8	22.7	24.2	26.1	22.7
1960	28.7	26.8	25.2	21.8	16.7	17.8	17.5	18.3	20.1	23.4	24.8	28.3	22.4
1956/60	27.6	27.0	25.5	21.6	18.2	17.3	17.4	17.3	19.8	22.9	24.6	27.1	22.2
1961	28.8	27.2	24.1	21.6	20.4	17.0	17.6	22.0	19.9	24.2	25.4	27.2	23.0
1962	26.9	25.7	25.7	20.4	17.5	16.7	12.7	16.7	21.2	20.5	26.4	28.4	21.6
1963	29.0	27.5	26.8	22.9	20.1	17.0	19.7	19.5	21.0	23.8	24.8	26.6	23.2
1964	28.3	27.7	25.9	22.8	20.7	14.9	15.8	17.8	20.2	21.4	24.3	26.1	22.2
1965	27.5	27.2	23.9	22.9	19.1	20.0	16.0	18.4	18.7	23.2	24.7	25.8	22.3
1966	26.4	25.8	24.3	23.3	19.7	19.1	17.9	17.3	19.4	23.2	26.8	28.2	22.6
1967	25.6	26.5	24.0	21.9	19.3	14.4	16.9	18.3	20.8	23.8	23.7	28.1	21.9
1968	25.6	26.5	24.6	18.7	16.7	17.2	17.9	17.9	18.3	22.7	27.0	27.1	21.7
1969	25.5	27.4	24.8	21.5	19.9	16.0	18.0	16.1	21.2	21.6	24.5	26.0	21.9
1970	28.1	26.8	26.0	25.1	20.0	16.6	16.2	16.4	19.7	21.7	21.7	25.6	22.0
1961/70	27.2	26.8	25.0	22.1	19.3	16.9	16.9	18.0	20.0	22.6	24.9	26.9	22.2
1971	25.8	25.4	23.9	19.8	16.6	13.4	17.4	17.3	21.1	21.0	24.7	26.7	21.1
1972	26.3	26.0	24.8	20.2	21.2	20.3	15.9	15.8	20.6	19.9	22.8	24.8	21.5
1973	26.7	27.0	24.6	23.0	18.2	16.9	14.9	14.7	18.4	21.6	22.4	25.0	21.1
1974	27.0	25.6	24.1	21.2	18.9	14.5	18.2	16.7	18.5	20.6	23.0	24.9	21.1
1975	26.1	26.2	24.1	21.5	18.4	17.6	14.7	16.5	18.7	20.5	22.6	26.0	21.1
1976	26.7	25.4	22.9	20.3	17.0	15.8	16.7	17.1	18.6	21.6	23.9	25.8	21.0
1977	25.6	27.3	26.1	21.7	18.2	17.8	19.3	17.0	21.4	23.3	23.8	26.4	22.3
1978	27.1	25.6	26.0	20.5	17.5	17.3	18.6	16.1	19.8	23.2	24.1	26.8	21.9
1979	28.4	27.2	23.6	19.8	16.7	15.4	16.1	19.5	17.3	22.5	23.3	25.5	21.3
1980	26.1	25.9	26.3	23.6	20.2	15.3	14.9	18.3	17.1	22.1	22.6	25.9	21.5
1971/80	26.6	26.2	24.6	21.2	18.3	16.4	16.7	16.9	19.2	21.6	23.3	25.8	21.4

Table 2-1-2-① Monthly Absolute Maximum Temperature
(Yacyreta)

Month Year	(Unit : °C)												Annual maximum
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1971	37.3	37.0	34.0	35.0	30.5	28.3	30.8	31.5	34.0	34.5	37.2	40.5	40.5
1972	38.9	38.3	37.7	30.9	32.4	30.8	27.8	31.2	33.9	35.2	35.8	35.0	38.9
1973	36.0	36.5	34.0	34.5	31.3	28.1	31.6	27.6	28.5	36.4	34.4	35.0	36.5
1974	36.4	34.8	34.4	33.0	32.0	26.2	29.4	33.2	35.2	33.2	36.4	34.8	36.4
1975	36.0	37.2	34.4	31.8	30.2	28.2	30.0	32.8	31.2	35.0	35.4	34.6	37.2
1976	35.0	36.0	35.2	34.0	30.8	31.2	30.4	32.6	35.0	35.2	34.8	36.8	36.8
1977	34.8	36.2	38.2	36.8	31.6	30.4	32.0	30.8	36.4	37.2	35.2	37.4	38.2
1978	38.2	37.2	37.8	35.8	33.4	31.0	31.0	30.2	33.2	38.4	34.4	36.2	38.4
1979	38.4	39.2	35.0	32.0	28.8	29.0	31.8	31.6	35.4	35.0	35.4	36.6	34.0
1980	35.8	35.2	36.4	33.2	31.4	29.0	30.2	31.0	32.6	34.6	32.6	37.4	33.3
Maximum	38.9	39.2	38.2	36.8	33.4	31.2	32.0	33.2	36.4	38.4	37.2	40.5	40.5

Data of Meteorological Department, Ministry of National Defence

Table 2-1-2-② Monthly Absolute Maximum Temperature
(Encarnacion)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1940	-	-	-	-	30.2	28.0	29.2	30.4	35.7	35.0	35.2	37.2	-
1941	39.0	33.7	32.5	33.1	30.8	27.7	30.9	33.2	32.1	36.6	35.0	35.4	39.0
1942	36.0	36.2	35.6	32.6	29.5	28.2	28.3	33.0	31.4	33.8	35.3	38.1	38.1
1943	39.1	37.7	36.5	32.0	30.7	27.9	29.3	32.0	32.5	34.9	35.0	37.0	39.1
1944	37.3	37.7	34.8	32.3	29.7	30.3	29.5	32.5	37.2	36.0	37.2	41.0	41.0
1945	38.6	39.5	36.2	34.0	30.7	28.4	32.0	36.4	33.1	38.6	36.0	36.7	39.5
1946	33.7	36.2	33.9	31.7	30.1	26.7	28.7	33.2	35.0	33.9	35.7	35.9	36.2
1947	37.0	37.3	35.5	33.3	31.1	28.3	29.3	33.3	35.7	32.2	38.2	38.4	38.4
1948	40.0	36.4	34.4	31.5	28.9	30.9	30.6	32.0	36.0	34.5	37.0	38.3	40.0
1949	39.8	37.5	36.0	31.1	30.0	28.6	31.3	30.9	34.9	32.2	38.8	37.8	39.8
1950	35.2	33.4	32.7	32.4	30.5	27.0	29.5	33.0	33.5	33.7	33.0	37.6	37.6
1941/50	40.0	39.5	36.5	34.0	31.1	30.9	32.0	36.4	37.2	38.6	38.8	41.0	41.0
1951	35.0	33.0	32.5	32.4	30.9	28.6	30.5	34.5	35.5	35.6	35.3	34.2	35.6
1952	39.5	35.6	35.6	31.2	32.6	28.7	30.2	34.1	31.9	34.9	34.9	39.6	39.6
1953	39.0	35.0	38.0	32.0	30.8	28.5	29.2	33.2	34.6	32.2	35.0	37.0	39.0
1954	36.0	36.0	34.0	32.0	28.2	28.8	28.0	31.9	33.0	30.0	26.1	27.2	37.2
1955	36.2	38.1	35.1	31.5	29.4	26.3	29.6	33.2	32.1	30.0	36.5	35.2	38.1
1956	37.2	35.6	35.5	32.2	25.8	23.1	27.8	31.5	34.9	34.6	35.0	37.3	37.3
1957	39.3	34.2	36.1	34.9	29.5	26.8	29.2	33.2	30.0	36.2	33.0	35.9	39.3
1958	39.2	39.9	35.1	32.7	32.0	29.0	28.7	32.0	37.3	32.4	36.1	34.0	39.9
1959	36.6	36.1	34.1	33.6	31.0	27.1	29.7	31.8	35.9	35.2	33.3	34.6	36.6
1960	35.2	34.5	33.8	30.0	28.3	30.2	28.6	32.0	33.3	33.8	35.0	38.8	38.8
1951/60	39.5	39.9	38.0	34.9	32.6	30.2	30.5	34.5	37.3	36.2	36.5	39.6	39.9
1961	36.2	37.0	34.6	30.5	28.5	29.2	29.0	33.8	34.8	33.9	34.8	36.4	37.0
1962	38.8	36.7	39.3	34.4	27.0	30.0	25.7	31.5	33.5	31.8	36.7	37.6	39.3
1963	40.0	34.8	36.4	33.6	30.5	28.6	30.2	34.8	35.6	36.0	37.0	35.4	40.0
1964	37.6	37.4	36.0	34.4	30.4	27.8	29.8	30.8	34.0	32.6	36.2	35.5	37.6
1965	36.0	36.2	33.6	33.0	29.3	29.7	29.4	31.0	33.6	34.2	34.5	34.8	36.2
1966	33.8	35.4	36.5	33.0	28.8	29.0	29.8	31.6	35.2	33.6	36.0	37.0	37.0
1967	34.6	38.6	33.8	33.0	33.0	30.0	31.4	32.2	33.5	36.4	36.5	36.2	38.6
1968	37.1	37.5	37.5	33.5	29.5	28.8	28.2	30.2	34.0	35.6	26.6	39.5	39.5
1969	34.2	37.5	36.2	31.0	31.0	31.6	30.6	31.8	34.2	36.0	35.0	35.6	37.5
1970	37.7	35.6	36.5	34.0	31.7	30.2	31.4	31.8	33.0	35.3	32.6	39.6	39.6
1961/70	40.0	38.6	39.3	34.4	31.7	31.6	31.4	34.8	35.6	36.4	37.0	39.6	40.0
1941/70	40.0	39.9	39.3	34.9	32.6	31.6	32.0	36.4	37.3	38.6	38.8	41.0	41.0
1971	36.8	36.2	33.8	33.4	31.0	28.6	30.4	31.0	34.2	33.0	36.6	37.4	37.4
1972	37.5	37.4	37.5	30.0	33.0	31.0	29.4	32.0	34.0	36.8	36.0	36.0	37.5
1973	36.0	37.0	34.4	35.0	30.6	27.0	31.0	28.0	28.5	36.0	34.4	35.0	37.0
1974	36.0	35.0	34.0	33.2	31.8	26.0	30.0	33.4	36.6	33.4	36.4	34.8	36.6
1975	35.0	37.0	34.0	31.8	30.0	28.0	30.4	34.0	33.0	34.6	36.0	35.0	37.0
1976	35.5	36.0	36.0	33.4	30.4	30.4	31.0	33.0	33.4	34.4	35.0	36.0	36.0
1977	33.6	35.8	37.5	35.0	31.4	31.0	32.4	31.0	36.0	37.2	34.0	37.0	37.5
1978	38.4	37.0	38.2	35.0	33.0	30.0	31.0	30.2	33.4	37.0	35.0	37.0	38.4
1979	40.5	39.4	34.0	29.5	29.0	29.2	32.0	32.0	35.4	35.4	35.0	37.4	40.5
1980	36.6	35.4	36.6	33.6	31.6	30.6	30.4	33.0	33.8	35.4	34.4	38.4	38.4
1971/80	40.5	39.4	38.2	35.0	33.0	31.0	32.4	34.0	36.6	37.2	36.6	38.4	40.5
1981	35.6	35.0	35.4	35.4	34.0	28.6	31.0	34.2	35.4	35.0	36.0	36.0	36.0

Table 2-1-2- ③ Monthly Absolute Maximum Temperature
(San Juan Bautista)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1956	34.7	35.2	36.2	32.1	25.0	23.7	28.3	30.7	35.1	33.9	33.5	38.0	38.0
1957	38.0	33.7	35.4	35.0	30.8	27.9	29.3	32.8	30.7	36.3	35.2	36.4	38.0
1958	38.9	40.8	36.2	32.3	32.3	28.7	28.9	32.1	36.4	31.7	36.2	34.8	40.8
1959	36.2	37.0	35.6	34.8	31.9	27.8	30.3	33.0	35.8	34.9	35.5	34.7	37.0
1960	37.5	35.7	35.7	30.7	28.8	31.2	28.6	32.2	33.4	33.1	34.9	39.9	39.9
1956/60	38.9	40.8	36.2	35.0	32.3	31.2	30.3	33.0	36.4	36.3	36.2	39.9	40.8
1961	37.9	37.3	33.6	31.3	27.8	29.4	29.8	33.1	34.2	33.5	35.6	35.2	37.9
1962	36.3	36.5	34.3	35.3	28.4	30.6	25.7	31.9	34.0	31.4	37.7	38.2	38.2
1963	39.0	34.5	36.2	34.3	30.8	29.5	30.5	34.5	36.2	36.6	37.9	35.0	39.0
1964	37.2	38.6	36.3	34.6	30.5	28.0	30.5	30.7	33.8	34.1	35.7	36.7	38.6
1965	36.4	35.0	34.3	34.3	29.8	29.5	29.7	30.8	33.0	34.3	36.3	34.8	36.4
1966	34.4	35.7	35.4	33.3	29.0	29.8	30.4	32.2	35.3	35.6	36.6	37.4	37.4
1967	35.4	35.7	33.8	33.4	29.9	30.3	31.1	32.9	34.3	35.6	38.0	37.2	38.0
1968	38.4	37.6	37.4	32.4	29.0	27.8	28.2	29.4	33.6	35.2	36.2	38.2	38.4
1969	35.4	38.4	37.8	32.8	31.4	30.8	31.6	32.0	36.6	35.6	35.0	36.8	38.4
1970	39.0	36.2	36.2	34.4	32.6	31.6	31.4	32.2	32.8	35.2	33.4	39.2	39.2
1961/70	39.0	38.6	37.8	35.3	32.6	31.6	31.6	34.5	36.6	36.6	38.0	39.2	39.2
1971	36.8	36.8	34.2	33.6	30.4	28.4	31.2	31.2	34.2	32.6	35.8	38.4	38.4
1972	38.0	37.8	37.0	30.6	33.0	31.0	29.0	31.6	33.8	36.0	36.0	35.4	38.0
1973	36.4	38.4	36.4	34.6	32.0	29.2	31.6	28.8	29.8	36.6	35.0	35.2	38.4
1974	35.8	35.0	34.4	33.2	31.8	26.6	30.2	33.4	36.0	34.4	36.4	35.6	36.4
1975	37.4	37.4	35.0	32.2	31.0	29.0	31.2	33.6	32.4	35.4	36.0	36.0	37.4
1976	38.0	36.6	35.6	34.2	31.4	32.2	32.2	33.2	34.4	34.4	34.0	37.6	38.0
1977	34.6	37.0	38.6	36.0	32.0	31.0	33.2	32.0	37.2	38.0	34.0	37.0	38.6
1978	37.0	36.0	37.6	35.0	34.0	31.6	31.0	31.0	34.0	38.0	34.4	38.0	38.0
1979	39.0	39.4	35.0	31.0	30.0	30.0	32.0	33.0	35.4	35.0	37.0	37.0	39.4
1980	36.4	35.2	36.2	34.6	31.6	30.4	31.4	34.2	33.4	36.4	33.6	37.8	37.8
1971/80	39.0	39.4	38.6	36.0	34.0	32.2	33.2	34.2	37.2	38.0	37.0	38.4	39.4
1981	36.4	35.4	35.6	36.2	34.2	30.0	31.8	34.6	36.2	36.4	36.2	34.4	36.4

Table 2-1-3-① Monthly Absolute Minimum Temperature
(Yagyreta)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual minimum
1971	15.2	12.2	15.4	5.6	3.6	0.0	4.0	7.2	10.4	7.4	11.1	10.7	0.0
1972	13.8	13.8	12.2	6.0	9.1	7.4	2.0	3.5	4.0	7.7	13.1	14.3	2.0
1973	16.5	18.0	17.0	11.0	7.0	5.0	5.5	3.9	5.6	11.5	12.0	13.7	3.9
1974	17.0	18.0	12.6	9.8	9.0	3.0	5.4	1.4	6.0	6.6	9.2	13.8	1.4
1975	14.5	13.5	16.8	9.2	7.4	3.0	-1.4	7.0	9.4	9.0	12.0	13.6	-1.4
1976	16.0	14.5	6.8	9.4	3.0	0.8	1.0	3.0	4.4	10.4	8.4	14.2	0.8
1977	17.6	19.0	13.4	5.2	4.2	2.0	1.6	2.0	4.4	10.0	14.0	16.0	2.0
1978	15.4	17.0	13.6	8.0	1.6	-1.0	5.2	2.4	4.2	9.6	11.0	15.4	-1.0
1979	15.5	16.5	12.8	8.4	-1.0	1.6	1.6	9.0	5.4	10.4	10.4	13.0	-1.0
1980	14.5	15.5	19.4	8.6	4.0	2.0	2.0	1.2	3.0	9.0	9.4	16.0	1.2
Minimum	13.8	12.2	6.8	5.2	-1.0	-1.0	-1.4	1.4	3.0	6.6	9.2	10.7	-1.4

Data of Meteorological Department, Ministry of National Defence

Table 2-1-3- ② Monthly Absolute Minimum Temperature
(Encarnacion)

(Unit : °C)

Year	Month												Annual minimum
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1940	-	-	-	-	8.0	0.8	2.3	0.0	3.6	4.5	4.4	15.0	-
1941	15.0	12.0	9.6	6.9	0.7	-1.6	-0.7	0.8	-0.5	3.9	5.3	13.3	-1.6
1942	11.9	11.0	11.9	7.6	-1.8	-2.9	-2.3	1.4	6.2	4.5	9.1	8.9	-2.9
1943	7.7	13.8	9.1	4.8	4.0	5.3	4.2	-3.5	0.1	7.0	7.6	10.0	-3.5
1944	14.9	15.1	11.4	4.3	2.5	-2.9	-4.8	6.9	1.5	5.6	8.4	8.7	-4.8
1945	8.6	13.7	14.8	3.8	0.8	-6.0	-3.5	0.0	4.5	6.4	8.0	6.5	-6.0
1946	10.1	17.5	9.9	4.0	4.7	1.1	-2.9	0.5	3.6	1.7	11.8	12.1	-2.9
1947	9.4	16.2	8.9	7.8	2.9	4.7	-5.0	-2.3	4.5	7.5	7.7	5.7	-5.0
1948	15.1	17.9	7.8	8.9	-0.4	2.0	-0.4	-3.7	6.2	4.5	9.1	13.8	-3.7
1949	13.5	7.7	13.8	3.4	-0.8	3.4	-0.5	0.3	-1.7	4.3	5.8	11.9	-1.7
1950	11.0	13.7	7.0	2.3	7.0	2.0	-0.8	0.4	4.5	5.5	11.0	0.3	-0.8
1941/50	7.7	7.7	7.0	2.3	-1.8	-6.0	-4.8	-3.7	-1.7	1.7	5.3	5.7	-6.0
1951	15.8	14.6	13.2	5.0	2.1	-1.0	0.5	-2.6	3.1	3.6	9.9	14.4	-2.6
1952	12.5	10.0	13.9	0.8	4.9	-1.1	0.3	4.5	2.8	7.0	10.0	12.1	-1.1
1953	15.8	11.0	11.0	3.8	5.0	-0.3	-3.0	2.0	7.0	6.5	11.5	7.5	-3.0
1954	12.0	15.8	13.0	7.2	-2.2	5.1	1.0	1.5	9.9	8.2	8.8	9.6	-2.2
1955	11.9	17.9	7.0	5.5	1.3	1.1	-3.5	-4.2	5.1	3.4	6.6	10.5	-4.2
1956	14.2	13.3	10.2	3.5	-1.0	0.0	-0.8	0.0	3.3	9.7	9.2	10.8	-1.0
1957	11.4	10.0	13.7	9.5	5.1	0.2	-0.8	-1.2	8.2	8.2	10.5	15.6	-1.2
1958	12.2	12.5	12.7	4.7	2.0	0.0	8.7	-1.0	3.8	6.6	7.2	17.1	-1.0
1959	12.8	16.7	8.0	4.5	1.2	0.0	2.8	0.5	3.7	6.8	8.5	9.2	0.0
1960	12.5	10.0	12.6	4.3	-2.2	-1.5	-2.0	0.1	-0.3	9.5	5.7	10.8	-2.2
1951/60	11.4	10.0	7.0	0.8	-2.2	-1.5	-3.5	-4.2	-0.3	3.4	5.7	7.5	-4.2
1961	15.0	17.1	10.6	7.0	3.4	-2.2	0.0	7.0	5.7	7.5	10.0	12.7	-2.2
1962	10.4	9.2	15.0	5.6	-1.2	-1.2	-3.5	0.5	6.5	5.5	9.5	10.0	-3.5
1963	18.0	16.2	11.5	5.7	4.3	-0.5	0.8	-2.8	9.2	7.8	8.4	11.7	-2.8
1964	15.2	11.7	9.0	9.9	7.7	-1.4	0.6	3.0	0.2	7.4	7.2	11.2	-1.4
1965	9.3	16.7	10.2	7.4	3.2	5.2	1.3	5.0	5.4	6.8	12.0	13.0	1.3
1966	14.5	15.2	12.2	10.4	0.7	1.3	0.6	-0.3	3.8	7.2	10.0	14.4	-0.3
1967	13.8	14.8	8.4	2.5	6.7	-2.5	1.3	4.8	5.4	9.8	14.8	14.2	-2.5
1968	11.4	11.2	13.6	3.4	0.0	0.6	2.2	2.8	0.6	4.6	14.7	12.0	0.0
1969	13.5	15.2	11.8	8.5	3.2	0.2	0.7	0.2	0.4	1.6	11.0	11.0	0.2
1970	10.6	7.0	17.4	10.4	3.0	-0.4	-1.7	-1.0	2.8	8.0	4.8	7.0	-1.7
1961/70	0.3	7.0	8.4	2.5	-1.2	-2.5	-3.5	-2.8	0.2	1.6	4.8	7.0	-3.5
1941/70	7.7	7.0	7.0	0.8	-2.2	-6.0	-4.8	-1.2	-1.7	1.6	4.8	7.0	-6.0
1971	14.2	12.0	15.2	2.4	0.0	-2.8	2.0	2.8	6.0	3.0	8.0	8.6	-2.8
1972	12.4	11.6	9.0	4.4	4.4	4.8	-0.2	-0.4	0.0	6.2	11.4	13.0	-0.4
1973	14.0	18.0	13.6	10.2	3.0	3.0	4.0	3.0	0.0	7.8	8.0	12.4	0.0
1974	17.6	16.4	11.0	5.6	6.8	-2.0	5.4	-2.0	2.0	-4.6	7.0	11.4	-2.0
1975	11.0	12.8	14.6	5.2	4.8	0.5	-3.8	5.4	8.2	6.0	10.0	10.4	-3.8
1976	16.6	12.0	5.4	4.5	3.5	-1.6	-3.3	-1.0	2.5	5.6	8.0	12.4	-3.3
1977	17.4	14.2	15.4	5.0	1.0	0.0	0.0	0.0	0.5	10.4	11.4	16.4	0.0
1978	11.0	14.8	14.0	3.4	-1.7	-3.8	6.8	-0.4	4.8	7.6	10.0	14.2	-3.8
1979	12.4	17.4	12.0	6.6	-0.8	-2.0	-2.0	6.0	-0.6	7.8	7.8	13.0	-2.0
1980	11.0	15.0	18.0	3.0	3.4	-1.5	-2.4	-1.6	-0.2	8.0	9.8	13.4	-2.4
1971/80	11.0	11.6	5.4	2.4	-1.7	-3.8	-3.8	-2.0	-0.6	3.0	7.0	8.6	-3.8
1981	13.4	20.0	9.4	9.0	7.0	-3.8	-2.2	0.2	2.2	3.2	8.6	14.0	-3.8

Table 2-1-3-③ Monthly Absolute Minimum Temperature
(San Juan Bautista)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual minimum
1956	16.8	13.5	12.5	6.0	2.1	4.7	1.8	1.0	6.2	13.4	9.5	12.3	1.0
1957	9.3	13.9	14.3	7.4	10.9	2.9	1.4	3.2	9.0	9.5	13.4	18.2	1.4
1958	17.0	12.3	9.1	8.5	2.4	3.0	7.4	1.6	4.5	10.1	8.7	15.8	1.6
1959	14.7	19.1	11.4	8.1	4.4	3.6	4.7	4.8	5.5	9.0	12.0	13.0	3.6
1960	15.2	16.0	13.9	7.9	2.0	2.5	2.0	5.0	3.5	10.1	9.0	16.0	2.0
1956/60	9.3	12.3	9.1	7.4	2.0	2.5	1.4	1.0	3.5	9.0	8.7	12.3	1.0
1961	17.2	17.5	11.0	8.0	6.6	1.0	2.0	10.7	6.0	11.6	11.1	13.5	1.0
1962	13.4	13.4	15.5	8.8	1.6	3.5	-1.0	4.8	9.8	7.5	12.4	16.9	-1.0
1963	18.2	17.9	10.3	11.4	6.5	3.4	4.2	-0.6	8.0	9.6	10.4	12.8	-0.6
1964	17.1	13.3	9.9	9.8	12.1	1.0	2.0	4.2	2.7	7.6	10.7	11.8	1.0
1965	14.4	17.7	10.6	8.9	6.3	8.7	1.7	3.4	6.3	7.4	12.5	13.4	1.7
1966	13.7	13.8	13.7	16.2	4.8	4.4	4.8	2.4	3.9	9.1	13.0	13.7	2.4
1967	14.5	15.3	10.9	5.2	5.8	0.8	5.0	4.5	7.0	12.5	11.9	16.3	0.8
1968	14.6	15.0	11.8	7.2	2.2	5.2	5.4	7.6	5.2	9.2	16.6	14.3	2.2
1969	15.4	14.2	12.2	11.0	5.4	2.6	1.4	2.2	5.8	7.2	14.2	13.8	1.4
1970	15.0	12.2	17.0	13.0	6.4	3.6	2.4	4.0	7.8	12.2	9.0	13.4	2.4
1961/70	13.4	12.2	9.9	5.2	1.6	0.8	-1.0	-0.6	2.7	7.2	9.0	11.8	-1.0
1971	16.8	11.0	15.0	6.0	3.0	2.8	4.8	5.6	10.4	7.6	15.0	9.4	2.8
1972	13.8	15.0	13.6	9.0	9.8	9.4	4.0	1.4	5.0	6.4	11.8	15.2	1.4
1973	16.0	18.0	16.0	12.2	5.4	4.6	5.0	5.4	5.4	10.2	11.6	14.6	4.6
1974	18.0	18.0	11.4	9.0	9.6	2.4	4.4	3.0	5.0	7.8	9.4	13.0	2.4
1975	14.0	15.0	15.2	10.0	6.4	5.0	0.0	6.0	10.0	10.4	10.0	11.4	0.0
1976	16.6	15.0	9.6	6.8	5.4	4.0	1.8	4.6	6.6	8.4	13.0	14.0	1.8
1977	17.0	16.2	14.0	6.6	4.0	4.0	4.0	4.0	4.0	9.0	14.0	18.0	4.0
1978	15.0	18.0	15.0	9.0	2.0	3.0	7.0	2.0	9.0	12.0	11.0	18.0	2.0
1979	18.0	19.0	14.0	8.0	4.0	2.0	4.0	10.0	5.2	14.2	9.8	15.0	2.0
1980	13.2	15.2	19.4	6.4	8.2	2.8	0.0	1.2	1.6	8.4	9.2	14.2	0.0
1971/80	13.2	11.0	9.6	6.0	2.0	2.0	0.0	1.2	1.6	6.4	9.2	9.4	0.0
1981	15.6	17.2	15.4	9.6	10.6	0.8	1.0	6.0	4.2	9.4	13.0	15.2	0.8

Table 2-1-4-① Monthly Maximum Average Temperature
(Yacyreta)

(Unit : °C)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1971	32.4	30.4	29.8	25.6	22.5	19.1	23.5	23.7	28.0	27.4	32.0	33.7	27.3
1972	33.3	33.1	30.7	26.1	26.7	24.3	20.5	20.1	25.8	24.4	27.0	28.9	26.7
1973	30.6	31.5	29.4	27.8	22.6	21.5	19.2	19.5	22.6	26.3	27.9	30.3	25.8
1974	32.1	30.5	29.5	26.9	24.0	19.2	23.8	22.2	24.4	26.5	28.4	29.9	26.4
1975	31.3	31.8	29.6	26.6	23.9	22.4	20.1	21.4	22.9	25.7	27.4	31.3	26.2
1976	31.8	31.2	28.4	26.0	22.4	21.0	21.9	22.5	24.2	27.7	29.4	31.8	26.5
1977	30.9	33.4	31.7	28.6	23.3	23.3	24.7	21.7	27.8	29.3	29.5	31.7	28.0
1978	33.2	31.9	32.7	27.9	24.3	22.8	23.6	21.4	25.8	28.7	28.9	31.7	27.7
1979	34.2	32.9	29.2	25.2	22.0	21.6	21.6	24.2	22.4	27.4	28.2	30.3	26.6
1980	32.1	31.6	32.1	29.8	24.7	20.5	21.6	23.7	23.1	26.3	27.5	31.0	27.0
Average	32.2	31.8	30.3	27.0	23.6	21.6	22.1	22.0	24.7	27.0	28.6	31.1	26.8

Data of Meteorological Department, Ministry of National Defence

Table 2-1-4-② Monthly Maximum Average Temperature
(Encarnacion)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1940	32.4	32.4	29.6	27.2	24.2	22.1	24.2	22.2	25.4	25.3	28.2	32.1	27.1
1941	32.2	29.5	27.9	28.1	23.3	21.9	21.6	24.6	22.1	27.0	27.5	20.6	26.3
1942	31.6	32.2	28.9	26.5	20.6	17.8	18.7	24.5	24.7	26.8	30.7	32.3	26.3
1943	34.5	33.3	31.3	26.7	24.8	20.4	23.1	19.8	25.6	28.4	29.6	31.8	27.4
1944	32.7	34.2	29.3	26.6	24.7	24.2	23.7	25.8	28.6	28.9	29.4	34.9	28.5
1945	33.9	34.2	30.6	29.8	24.3	21.3	23.3	27.9	24.6	29.5	29.2	30.6	28.3
1946	29.7	30.9	29.02	26.0	22.8	18.9	18.8	24.7	27.1	26.5	30.6	30.2	26.3
1947	32.2	32.2	30.1	26.4	24.1	23.0	20.0	22.3	24.4	25.5	30.4	32.2	26.9
1948	34.5	30.5	29.0	24.8	22.5	23.5	21.3	21.7	25.1	26.5	27.4	34.4	26.8
1949	31.7	32.0	30.5	25.9	24.0	21.8	21.7	22.9	23.8	24.9	31.4	34.9	26.9
1950	30.6	30.3	28.0	27.9	25.7	21.7	21.5	25.3	23.5	26.3	28.6	30.5	26.7
1941/50	32.4	31.9	29.5	26.9	23.7	21.4	21.4	23.9	24.9	27.0	29.5	31.8	27.0
1951	31.6	29.6	28.1	24.0	25.3	22.3	23.4	24.1	26.7	27.4	28.8	30.8	26.8
1952	33.5	31.1	31.1	24.6	26.3	17.2	23.2	26.2	22.9	25.9	28.8	31.6	26.9
1953	32.0	31.2	32.2	26.0	23.5	21.9	18.4	26.9	26.8	25.0	29.2	32.0	27.1
1954	31.8	32.1	31.7	26.3	22.2	20.7	20.3	23.9	23.2	23.7	31.6	31.1	26.6
1955	32.5	33.2	28.5	25.8	21.6	20.8	17.5	23.4	24.4	24.6	29.9	31.3	26.1
1956	30.7	31.6	30.1	24.8	20.0	18.8	19.9	22.6	25.6	26.9	30.3	32.4	26.1
1957	32.5	30.5	31.9	25.3	25.4	20.2	18.8	22.9	21.4	27.8	27.9	31.9	26.4
1958	34.3	33.1	29.6	26.3	22.8	23.4	23.8	19.8	24.4	26.4	28.6	29.8	26.9
1959	31.4	31.3	31.0	26.9	22.9	21.1	24.3	21.7	25.5	26.3	27.6	30.1	26.7
1960	32.3	30.9	29.7	26.0	21.2	22.0	22.6	22.9	25.2	27.0	29.5	33.0	26.9
1951/60	32.3	31.5	30.4	25.6	23.1	20.9	21.2	23.4	24.6	26.1	29.2	31.4	26.2
1961	32.7	31.2	28.1	25.1	24.3	21.2	21.9	27.0	23.3	27.6	29.8	31.6	27.0
1962	31.1	30.5	31.1	26.1	21.4	21.5	17.3	21.8	25.6	25.0	30.6	33.2	26.3
1963	33.3	31.7	31.5	27.1	24.5	21.4	24.3	24.8	25.0	27.0	27.7	30.3	27.4
1964	33.3	31.9	30.5	26.6	24.5	19.8	20.5	22.4	24.4	25.9	28.6	30.1	26.5
1965	31.9	31.1	27.6	26.6	23.3	24.1	20.7	22.8	22.7	27.1	28.4	29.3	26.3
1966	30.6	29.8	28.8	28.1	24.3	23.3	22.6	22.2	23.3	26.4	30.1	31.0	26.7
1967	30.3	31.0	28.6	28.2	27.9	20.5	22.1	25.4	25.2	29.1	29.1	33.5	27.6
1968	32.3	32.9	30.8	24.9	23.0	22.6	22.9	23.5	23.1	27.4	32.0	32.7	27.3
1969	30.6	32.5	29.9	25.8	24.9	21.0	23.8	21.5	25.8	26.7	29.2	31.3	26.9
1970	33.0	31.7	30.1	29.7	25.6	21.6	21.6	22.8	24.6	26.7	26.5	31.4	27.1
1961/70	31.9	31.4	29.7	24.3	24.4	21.7	21.8	23.4	24.3	26.9	29.2	31.4	26.9
1941/70	32.2	31.6	29.8	25.6	23.7	21.2	21.4	23.5	24.6	26.6	29.3	31.5	26.7
1971	30.6	30.0	29.0	24.8	21.9	19.0	22.7	23.1	27.2	26.3	31.5	32.9	26.6
1972	33.0	31.9	30.9	25.7	26.7	24.1	21.5	20.7	26.5	26.9	27.6	29.7	27.1
1973	31.1	32.0	29.4	28.1	22.7	21.4	19.9	20.2	23.2	27.2	28.3	30.2	26.1
1974	31.7	30.6	29.5	27.3	24.1	19.4	24.4	22.8	25.5	26.8	28.7	29.9	26.7
1975	30.9	31.2	28.8	26.3	24.0	22.6	20.6	22.7	24.0	25.6	28.0	31.3	26.3
1976	31.3	30.9	28.8	26.0	22.5	21.0	22.0	22.8	24.0	27.2	29.5	31.1	26.4
1977	31.0	33.2	31.6	27.9	23.5	23.4	25.5	22.4	28.0	30.1	29.5	31.9	28.1
1978	33.3	32.5	33.4	28.3	24.7	23.0	24.0	22.1	25.9	29.2	29.4	32.1	28.1
1979	35.0	33.0	29.1	25.3	22.0	22.0	22.2	25.1	23.5	28.0	29.6	31.4	27.2
1980	32.4	31.9	32.4	30.0	25.0	21.8	22.7	25.3	24.1	27.0	28.7	31.6	27.7
1971/80	32.0	31.7	30.3	27.0	23.7	21.8	22.6	22.7	25.2	27.4	29.1	31.2	27.1

Table 2-1-4- ③ Monthly Maximum Average Temperature
(San Juan Bautista)

(Unit : °C)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1956	30.5	30.9	30.0	24.6	20.1	18.6	19.8	21.8	25.3	26.7	29.6	32.3	25.8
1957	32.6	30.3	31.9	25.3	25.4	20.5	19.1	23.1	21.4	28.6	29.1	32.0	26.6
1958	33.1	34.2	29.9	26.5	22.9	24.0	24.0	19.9	24.4	26.4	28.7	30.2	27.0
1959	31.7	32.8	31.4	27.0	23.9	22.7	25.1	21.8	25.1	26.6	28.5	30.5	27.2
1960	33.7	32.4	31.1	26.7	21.6	22.4	21.9	23.2	24.9	27.2	29.5	34.0	27.4
1956/60	32.3	32.1	30.8	26.0	22.7	21.6	21.9	21.9	24.2	27.1	29.1	31.8	26.8
1961	33.4	31.4	27.7	25.4	25.0	20.7	22.5	27.6	23.8	28.5	30.1	31.4	27.3
1962	31.2	30.3	30.3	25.9	22.2	22.5	16.9	22.2	26.1	25.1	31.1	33.2	26.4
1963	33.4	32.0	31.5	27.9	25.0	22.2	25.3	25.1	25.2	28.2	28.8	30.9	28.0
1964	33.0	32.6	30.5	27.1	25.6	20.3	21.5	22.4	25.1	26.0	28.9	36.7	27.5
1965	32.0	32.0	28.6	27.4	24.0	24.7	21.3	23.2	22.8	27.7	28.7	29.5	26.8
1966	30.5	29.6	28.7	28.0	24.6	23.5	22.4	22.3	23.8	27.2	31.0	31.9	26.9
1967	30.8	31.2	28.4	28.4	*24.6	20.3	22.1	24.7	25.4	29.2	29.0	34.5	27.4
1968	31.9	32.3	30.7	24.7	23.1	22.6	23.5	23.3	23.5	27.5	32.2	32.3	27.3
1969	30.6	33.0	30.4	27.0	25.9	21.8	24.0	22.0	27.2	27.1	29.7	31.7	27.5
1970	34.8	32.6	30.9	30.5	26.2	22.5	22.8	23.6	25.5	27.4	27.6	31.9	28.0
1961/70	32.1	31.7	29.8	27.2	24.6	22.1	22.2	23.6	24.8	27.4	29.7	32.4	27.3
1971	31.0	30.8	29.2	25.5	22.6	19.3	23.4	23.3	27.4	26.1	31.2	32.8	26.9
1972	33.0	32.4	31.0	25.9	27.2	25.3	21.2	21.4	26.7	25.3	27.8	30.0	27.3
1973	32.0	33.8	31.2	29.4	23.9	22.9	19.8	20.6	24.3	27.6	29.1	30.8	27.1
1974	32.7	31.2	30.1	27.3	24.7	19.7	24.6	23.2	25.1	27.4	30.2	31.1	27.3
1975	31.7	31.4	29.9	27.6	24.9	23.3	21.0	22.8	24.2	25.8	28.0	32.0	26.9
1976	32.4	31.4	29.1	27.1	23.2	22.3	22.8	23.5	25.5	28.1	29.9	32.7	27.3
1977	31.2	33.6	32.6	29.1	23.9	24.6	26.2	23.6	29.0	30.3	29.8	32.1	28.8
1978	33.2	31.7	32.9	28.7	25.3	24.8	25.1	22.8	26.2	30.0	30.2	32.7	28.6
1979	35.0	34.2	29.6	26.6	23.3	23.1	23.8	26.1	23.6	-	30.2	-	27.6
1980	32.8	31.7	32.6	31.0	27.1	22.2	22.5	25.4	24.2	27.4	27.8	31.4	28.0
1971/80	32.5	32.2	30.8	27.8	24.6	22.8	23.1	23.3	25.6	27.6	29.5	31.7	27.6

Table 2-1-5-① Monthly Minimum Average Temperature
(Yacyreta)

(Unit : °C)

Month year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1971	20.9	20.8	19.9	14.3	11.7	8.4	12.5	12.3	15.1	15.0	16.7	19.4	15.6
1972	20.2	20.3	19.5	14.9	16.2	16.9	11.8	12.2	14.7	15.1	18.5	19.4	16.6
1973	22.1	22.1	19.8	18.6	14.2	12.7	11.5	9.8	13.5	16.1	15.7	19.3	16.3
1974	22.0	21.3	19.2	15.7	13.9	9.6	12.2	11.4	12.8	13.6	15.5	19.5	15.6
1975	20.4	21.0	20.0	16.9	14.0	12.8	9.3	12.3	14.5	14.9	17.4	19.9	16.1
1976	21.9	19.8	17.9	14.5	11.6	9.6	9.9	10.2	12.1	15.3	17.5	19.0	14.9
1977	21.7	22.3	20.6	15.1	13.6	11.9	14.0	11.5	14.9	17.3	18.2	21.0	16.9
1978	20.9	19.7	19.7	12.3	9.8	9.9	12.2	10.7	13.5	16.5	17.8	19.9	15.2
1979	20.0	20.0	18.0	14.9	11.0	8.3	10.3	14.5	12.2	17.3	17.6	20.2	15.4
1980	19.4	20.3	22.1	18.2	15.4	10.6	9.1	12.1	10.4	15.8	17.1	19.9	15.9
Average	21.0	20.8	19.7	15.5	13.1	11.1	11.3	11.7	13.4	15.7	17.2	19.8	15.9

Data of Meteorological Department, Ministry of National Defence

Table 2-1-5- ② Monthly Minimum Average Temperature
(Encarnacion)

(Unit : °C)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1940	18.9	20.0	17.3	14.2	14.8	12.2	13.6	10.0	12.0	12.7	14.7	20.6	15.2
1941	19.5	19.0	15.9	17.9	13.9	9.1	10.4	12.1	6.6	12.4	14.7	17.3	14.1
1942	18.2	19.6	18.7	19.0	9.0	8.0	6.4	12.1	12.2	12.1	16.1	16.8	13.7
1943	17.8	19.0	18.3	12.2	12.8	13.0	11.7	5.0	11.9	15.3	14.9	16.7	14.0
1944	19.6	20.4	17.0	12.5	11.9	11.4	9.3	13.9	15.0	17.6	14.7	17.1	15.0
1945	19.4	20.5	18.0	14.6	9.4	5.7	10.7	14.5	13.8	16.5	16.1	17.1	14.7
1946	18.1	20.3	17.0	12.2	13.1	9.5	7.3	13.3	14.6	15.4	19.4	18.7	14.9
1947	19.8	21.5	16.2	15.1	12.4	11.5	7.2	10.0	12.9	13.7	16.5	16.1	14.4
1948	21.0	20.2	17.8	16.6	12.0	12.6	10.9	7.7	14.2	13.2	15.8	19.5	15.1
1949	20.0	17.8	20.5	11.3	11.6	12.7	10.9	10.8	13.0	13.0	16.5	17.4	14.6
1950	18.3	18.3	15.6	14.2	15.6	11.7	9.7	13.1	12.5	13.2	15.9	18.7	14.7
1941/50	19.2	19.7	17.5	14.2	12.2	10.5	9.4	11.2	12.7	14.2	16.1	17.5	14.5
1951	19.6	19.2	16.8	10.8	11.5	11.2	10.3	9.1	12.9	14.1	15.9	18.7	14.2
1952	20.0	19.1	19.6	10.7	14.4	8.0	12.5	13.8	13.1	14.1	17.4	17.0	15.0
1953	20.3	19.5	19.9	13.4	15.1	10.7	6.7	13.4	15.7	15.9	16.5	17.6	14.4
1954	21.0	20.8	20.2	16.0	10.0	13.2	10.5	12.7	14.3	15.0	17.0	17.5	15.7
1955	19.7	22.1	17.5	14.8	11.1	11.7	7.4	10.2	14.0	11.2	15.2	18.3	14.4
1956	20.2	18.7	17.3	12.3	6.5	8.6	8.8	9.4	12.6	16.6	15.4	17.0	13.6
1957	20.4	17.2	18.0	14.2	15.0	11.3	8.0	10.7	11.0	16.3	16.4	19.7	14.9
1958	20.5	19.1	18.6	13.4	12.8	13.1	12.7	9.8	14.0	14.2	16.1	19.4	15.3
1959	19.2	21.0	16.7	16.9	11.9	20.2	13.2	10.1	13.5	15.6	16.2	18.5	15.2
1960	20.1	19.0	16.6	13.5	8.0	10.9	11.7	9.8	12.5	17.4	15.4	17.0	14.7
1951/60	20.1	19.6	18.1	13.6	11.6	11.9	10.2	10.9	13.4	15.0	16.1	18.1	14.8
1961	20.3	20.8	18.2	15.4	12.5	12.1	11.3	13.9	15.2	16.4	17.8	19.0	16.1
1962	18.3	16.8	18.3	15.0	9.9	8.9	6.5	9.5	13.7	12.0	16.9	19.3	13.8
1963	21.8	21.0	20.9	13.7	13.1	10.4	13.5	13.5	16.5	16.7	17.4	19.0	16.4
1964	18.9	19.7	19.5	16.5	12.2	6.9	6.5	11.4	13.0	11.9	14.9	17.3	14.1
1965	18.5	20.3	15.6	16.0	12.1	14.5	10.3	13.3	12.7	15.6	17.6	19.9	15.5
1966	20.0	20.6	18.3	17.0	11.8	11.7	11.4	8.1	11.7	15.7	17.5	20.0	15.3
1967	18.6	20.8	17.0	13.8	14.8	8.4	11.4	14.3	15.8	17.7	17.6	18.6	15.7
1968	19.5	18.0	18.7	8.8	7.2	11.4	11.3	10.9	9.8	16.2	20.0	19.2	14.2
1969	18.6	21.5	18.0	15.1	14.1	9.7	11.7	8.4	12.5	12.5	17.6	17.4	14.2
1970	19.0	18.7	20.3	15.8	14.0	10.3	10.3	10.7	12.3	14.8	12.5	18.3	14.7
1961/70	19.3	19.8	18.5	14.7	12.2	10.4	10.4	11.4	13.3	14.9	17.0	18.8	15.1
1941/70	19.5	19.7	18.0	14.1	12.0	10.9	10.0	11.1	13.1	14.7	16.4	18.1	14.8
1971	20.6	20.4	18.8	12.0	10.2	7.1	11.4	11.0	13.9	13.1	15.4	18.4	14.7
1972	19.8	19.0	18.3	12.8	14.7	16.5	11.3	11.6	13.9	14.1	17.6	18.3	15.6
1973	21.5	22.3	18.4	17.7	12.6	12.4	11.9	8.5	12.2	14.6	14.0	17.9	15.3
1974	21.1	20.9	18.5	13.4	12.5	7.8	11.5	9.4	11.9	11.3	13.8	18.1	14.2
1975	18.8	20.0	19.0	15.0	12.7	11.9	9.3	12.7	14.7	13.6	15.6	18.4	15.1
1976	21.2	18.0	17.1	12.6	10.6	9.5	10.2	8.9	11.3	14.0	16.0	18.2	14.0
1977	21.1	21.7	20.3	14.2	12.2	11.5	14.5	11.2	14.3	16.9	18.1	20.8	16.4
1978	21.1	19.6	19.6	10.1	7.6	9.4	12.3	10.4	13.1	16.4	17.6	19.2	14.7
1979	19.7	20.0	18.1	14.2	10.7	7.4	9.8	14.0	11.1	17.0	16.7	20.5	14.9
1980	18.2	19.5	21.3	17.5	14.8	9.0	8.0	11.1	9.6	15.9	16.7	19.0	15.1
1971/80	20.3	20.1	18.9	14.0	11.9	10.3	11.0	10.9	12.6	14.7	16.2	18.9	15.0

Table 2-1-5-③ Monthly Minimum Average Temperature
(San Juan Bautista)

(Unit : °C)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1956	21.3	19.7	18.7	14.6	9.1	9.6	10.0	10.9	13.9	17.2	17.2	17.7	15.0
1957	19.9	17.8	17.5	13.3	16.3	11.5	9.0	12.7	13.0	18.4	19.1	21.7	15.8
1958	22.2	20.8	18.4	15.9	13.0	13.8	13.9	9.3	14.5	15.1	17.5	19.8	16.1
1959	19.3	22.4	19.4	17.1	14.0	12.3	13.2	11.4	14.8	16.8	17.5	18.3	16.4
1960	20.6	20.3	18.5	15.0	10.6	12.2	12.4	12.1	12.9	18.0	18.4	20.2	15.9
1956/60	20.6	20.2	18.5	15.1	12.6	11.8	11.7	11.2	13.8	17.1	17.9	19.5	15.8
1961	21.8	21.1	18.5	16.7	14.9	12.0	11.8	14.6	14.4	18.0	18.6	19.7	16.8
1962	19.7	18.5	19.4	16.4	12.1	9.9	7.6	10.7	14.5	13.7	18.8	21.4	15.2
1963	23.3	21.4	20.7	16.3	14.4	11.5	13.9	12.9	15.8	18.0	18.9	20.8	17.3
1964	20.7	21.0	20.1	18.0	15.6	9.2	9.1	11.5	14.1	14.1	16.8	19.4	15.8
1965	20.8	21.8	17.5	17.1	13.8	15.4	9.8	12.8	12.6	17.3	18.6	20.5	16.5
1966	22.1	20.4	19.2	17.8	14.0	13.5	12.5	9.5	12.5	16.9	19.5	20.6	16.5
1967	20.1	21.0	18.7	17.0	13.7	8.9	12.0	13.6	16.1	17.9	18.3	21.2	16.5
1968	20.5	20.5	19.4	12.9	11.1	13.2	13.2	13.1	12.3	17.7	21.9	20.9	16.4
1969	20.3	22.3	19.8	16.5	15.2	11.0	12.6	10.4	15.6	15.6	19.5	20.3	16.6
1970	21.3	20.6	21.0	18.8	15.5	12.4	11.3	11.3	15.1	17.0	16.3	20.1	16.7
1961/70	21.1	20.9	19.4	16.7	14.0	11.7	11.4	12.0	14.3	16.6	18.7	20.5	16.4
1971	21.5	21.0	19.7	15.1	12.1	8.8	13.2	12.6	15.9	16.1	18.8	20.4	16.3
1972	20.9	20.9	19.1	15.8	16.6	16.8	11.5	11.4	15.1	15.0	18.6	20.0	16.8
1973	22.1	22.7	20.2	18.3	14.1	12.0	11.3	10.3	13.8	16.3	16.3	19.5	16.4
1974	22.0	21.5	19.5	16.7	14.7	10.2	13.2	11.6	13.1	14.0	16.9	19.8	16.1
1975	20.7	21.2	20.0	17.0	12.8	13.8	10.3	12.2	15.0	15.9	17.5	19.6	16.3
1976	22.3	19.7	17.9	15.0	12.4	11.1	11.4	11.1	13.1	15.9	18.3	19.8	15.7
1977	20.7	21.9	21.1	16.1	14.0	12.8	14.7	12.2	15.9	18.0	18.8	21.5	17.3
1978	21.1	20.5	21.1	14.9	11.9	11.6	13.7	11.4	15.2	18.2	19.0	20.9	16.6
1979	22.4	21.6	18.4	14.7	11.8	9.9	10.6	15.0	12.9	-	17.9	-	15.5
1980	19.6	20.5	21.1	19.0	15.7	10.6	9.4	12.1	9.9	15.5	16.3	18.9	15.7
1971/80	21.3	21.2	19.8	16.3	13.6	11.8	11.9	12.0	14.0	16.1	17.8	20.0	16.3

Table 2-1-6-① Monthly Average Humidity
(Yacyreta)

(Unit : %)

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1963	-	-	75	76	78	75	75	71	74	72	71	67	-
1964	61	68	72	82	79	76	-	-	-	-	-	-	-
1965	65	73	71	77	78	83	75	78	82	70	72	77	75
1966	73	78	76	77	76	77	79	71	69	73	68	68	73
1967	69	74	74	75	75	73	77	76	81	73	72	-	-
1968	71	66	68	67	69	76	79	76	68	73	70	67	71
1969	72	76	75	80	81	79	73	74	72	62	68	56	72
1970	60	70	73	66	75	80	81	77	81	76	68	70	73
1963/70													
1971	77	78	83	80	82	82	81	77	65	73	66	65	76
1972	70	69	72	75	80	87	81	79	73	73	76	73	76
1973	80	78	78	84	82	84	73	79	77	72	63	71	78
1974	75	79	78	74	82	80	77	73	69	67	67	76	75
1975	72	76	81	81	79	82	72	78	78	73	72	73	76
1976	79	73	77	75	81	76	76	73	69	68	70	68	74
1977	79	74	76	73	83	81	77	80	68	71	74	74	76
1978	70	73	69	65	68	73	80	73	74	75	74	70	72
1979	64	74	77	81	82	77	81	82	75	81	75	77	77
1980	69	76	78	75	84	78	75	79	74	77	77	75	76
1971/80	74	75	77	76	80	80	77	77	72	73	71	72	75

Table 2-1-6-② Monthly Average Humidity
(Encarnacion)

(Unit : %)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1941	68	79	77	84	81	82	81	75	69	73	73	74	76
1942	75	72	81	81	83	83	74	70	74	67	63	60	74
1943	52	66	73	76	80	88	77	67	64	71	62	59	70
1944	66	61	74	72	75	80	73	60	63	73	58	46	69
1945	54	58	69	70	75	70	68	64	71	65	65	65	66
1946	73	77	74	74	83	84	78	68	65	72	71	63	74
1947	66	72	70	78	83	83	70	68	75	66	58	49	70
1948	56	78	76	83	82	78	75	61	71	67	69	56	71
1949	69	64	79	72	76	81	78	71	73	69	62	58	71
1950	68	75	75	75	80	83	78	73	70	65	66	63	73
1941/50	64	70	75	77	80	81	74	68	70	69	65	60	71
1951	70	74	77	75	77	74	70	65	60	65	73	65	70
1952	65	73	74	75	74	84	76	72	75	72	72	58	72
1953	72	71	71	71	82	82	69	65	74	76	67	60	72
1954	72	74	75	74	76	87	82	72	80	79	55	60	74
1955	67	70	74	77	79	83	78	72	72	64	58	63	71
1956	73	70	71	79	78	85	80	70	72	74	58	54	72
1957	65	67	64	75	77	80	74	70	79	68	68	68	71
1958	64	69	76	77	79	80	82	78	73	71	69	76	74
1959	67	76	74	81	82	80	72	74	74	72	68	71	74
1960	70	72	71	75	74	74	74	71	70	70	64	58	71
1951/60	69	60	73	76	78	81	76	71	73	72	65	63	72
1961	65	73	76	81	80	79	77	70	81	73	70	63	74
1962	60	64	75	78	79	73	80	71	71	69	67	63	71
1963	72	73	74	80	78	76	74	68	71	72	72	69	73
1964	60	70	70	81	83	78	73	77	77	66	63	62	72
1965	65	76	73	80	81	82	75	77	79	72	72	78	76
1966	75	80	78	77	79	79	76	70	69	72	68	70	74
1967	72	75	77	72	73	76	78	76	77	74	72	56	73
1968	63	63	69	67	75	82	79	76	71	72	67	63	71
1969	74	76	77	82	81	78	72	71	68	60	71	62	73
1961/70	67	72	75	77	79	79	76	73	74	71	69	66	73
1941/70	67	67	74	77	79	80	75	71	72	71	66	63	72
1971	82	96	85	80	83	86	80	77	75	75	64	66	79
1972	71	73	77	81	84	88	87	84	77	78	81	76	80
1973	81	82	84	87	88	87	86	86	82	76	72	77	82
1974	79	82	82	80	85	85	81	78	72	71	73	79	79
1975	79	83	87	85	83	83	78	78	80	77	75	75	80
1976	82	77	81	80	85	79	79	76	73	71	69	70	77
1977	81	76	77	77	85	85	77	84	71	71	77	74	78
1978	69	73	69	66	71	74	80	74	74	73	73	70	72
1979	57	72	78	83	83	79	80	81	73	77	70	76	76
1980	68	76	81	77	85	76	75	76	71	76	76	72	76
1971/80	75	79	80	80	83	82	80	79	75	75	73	74	78

Table 2-1-6-③ Monthly Average Humidity
(San Juan Bautista)

(Unit : %)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1956	75	73	69	77	78	84	80	70	71	75	60	61	73
1957	73	71	70	78	76	81	80	75	78	68	69	72	74
1958	68	66	76	73	79	75	76	73	70	69	68	74	72
1959	66	76	68	78	80	76	71	72	72	71	67	70	72
1960	66	67	66	72	70	75	75	67	68	78	65	53	68
1956/60	69	70	69	75	76	78	76	71	71	72	65	66	71
1961	65	74	76	81	76	79	75	67	78	71	69	64	74
1962	66	64	70	78	72	68	76	65	66	65	58	58	67
1963	67	72	76	73	75	71	71	67	70	66	67	65	70
1964	60	65	68	77	72	71	65	72	69	59	58	60	66
1965	62	70	64	72	72	75	69	72	70	63	68	74	69
1966	70	76	73	72	71	71	69	58	58	61	58	56	66
1967	62	69	70	67	72	67	76	72	72	68	65	48	67
1968	59	61	66	61	66	75	70	66	57	64	59	58	63
1969	63	64	66	69	70	68	63	61	56	53	60	54	62
1970	52	59	66	59	69	71	68	65	65	65	56	61	63
1961/70	63	67	69	71	71	72	70	66	66	63	62	60	67
1971	71	70	74	67	68	70	66	66	61	59	51	53	65
1972	63	62	70	72	74	85	80	81	72	71	76	70	73
1973	75	74	73	81	81	82	82	76	73	69	63	70	75
1974	75	79	78	73	80	80	74	67	63	57	58	66	71
1975	61	70	73	71	72	74	65	72	71	65	64	62	68
1976	68	61	68	66	74	71	71	65	63	61	62	61	66
1977	75	68	68	66	77	77	72	73	63	65	66	70	70
1978	72	72	66	56	67	71	75	69	69	68	68	65	68
1979	56	65	75	80	81	74	78	79	71	75	79	75	73
1980	65	71	78	74	82	76	68	74	63	68	74	69	72
1971/80	68	69	72	71	76	76	73	72	67	66	66	66	70

Table 2-1-7- ① Monthly Evaporation
(Encarnacion)

(Unit : mm)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1953	125.1	82.9	115.7	92.4	56.1	61.4	90.4	156.1	96.2	69.5	102.8	123.3	1,171.9
1954	110.0	81.6	76.9	81.6	61.6	44.0	51.2	116.4	64.7	55.6	129.5	158.7	1,031.8
1955	136.6	130.7	84.3	79.9	56.8	49.7	56.8	95.7	97.5	100.4	139.9	155.4	1,183.7
1956	144.8	124.3	146.7	81.7	54.0	33.7	49.5	78.4	96.6	114.2	152.8	178.0	1,254.7
1957	152.4	98.9	121.4	94.0	93.6	64.6	84.9	116.0	66.7	148.7	110.7	134.4	1,286.3
1958	167.0	137.9	75.3	60.6	58.5	58.8	59.9	63.6	94.9	83.4	106.8	74.9	1,041.8
1959	104.1	59.0	88.9	60.4	38.5	41.6	90.4	63.0	85.8	47.8	92.0	72.7	844.2
1960	91.4	82.8	91.0	59.5	63.0	83.4	103.1	93.6	94.2	87.2	109.5	150.4	1,112.1
1953/60	1,031.4	798.1	800.2	610.1	482.1	437.2	586.2	782.8	696.6	706.8	944.0	1,047.8	926.3
1961	107.8	79.0	81.0	51.5	52.2	77.7	68.0	109.8	76.5	85.7	100.2	148.0	1,037.4
1962	108.7	90.9	66.9	55.6	52.5	81.4	35.2	64.2	78.5	72.2	100.5	135.3	941.9
1963	112.6	78.0	102.2	56.8	54.0	65.8	87.5	102.2	114.1	91.1	110.0	87.0	1,061.3
1964	145.4	105.4	97.5	36.4	31.9	39.7	42.0	53.4	56.4	87.5	93.0	88.3	876.9
1965	89.3	55.9	64.7	40.4	41.9	35.3	58.7	51.8	42.3	76.5	62.2	60.6	679.6
1966	70.6	42.9	57.0	42.4	40.8	47.0	58.9	69.6	55.3	80.3	88.0	92.4	745.2
1967	74.3	59.4	56.5	58.3	65.8	54.4	58.9	79.4	56.4	67.7	76.5	137.0	844.6
1968	108.8	97.6	90.4	76.2	55.9	47.1	55.0	60.7	83.1	76.8	113.8	141.4	1,006.8
1969	89.9	78.9	66.5	46.6	43.7	64.3	59.4	70.6	91.9	109.3	67.3	105.5	893.9
1970	110.9	70.8	60.8	62.1	48.8	41.1	70.8	30.9	55.4	77.6	114.5	102.6	846.3
1961/70	101.8	75.9	74.3	52.6	48.7	55.4	59.4	69.3	71.0	82.5	92.6	109.8	893.4
1971	101.8	70.5	58.4	71.9	48.6	32.1	52.2	64.5	90.2	82.5	126.4	141.8	940.9
1972	104.3	98.1	86.2	80.2	59.8	24.6	36.8	25.4	79.0	86.2	60.1	84.5	825.2
1973	66.7	89.5	48.0	54.6	34.3	39.4	53.1	67.5	76.7	74.8	98.4	100.8	803.8
1974	90.3	66.7	85.7	68.8	77.2	51.8	64.2	61.6	100.8	90.9	101.4	119.0	978.4
1975	97.2	72.0	57.8	55.8	67.5	48.3	86.5	72.2	79.1	64.6	73.9	79.0	853.9
1976	62.5	72.4	64.0	61.1	46.9	49.0	59.5	68.1	72.4	117.5	96.3	94.5	864.2
1977	76.8	73.2	80.1	62.3	43.4	40.8	70.5	48.7	83.0	86.0	58.2	85.3	808.3
1978	86.1	78.2	114.6	81.8	75.3	52.9	33.8	64.5	54.0	59.5	78.6	94.1	873.4
1979	124.2	71.6	63.7	47.5	44.8	54.3	52.7	51.1	67.7	55.5	79.5	78.1	790.7
1980	84.8	62.3	63.6	70.0	39.6	58.6	62.0	66.8	66.7	62.2	66.5	87.6	790.7
1971/80	89.5	75.4	72.2	65.4	53.7	45.2	57.1	59.0	77.0	78.0	83.9	96.5	852.9
1981	61.1	56.0	75.5	61.6	55.4	43.3	50.3	62.2	45.2	66.8	49.2	62.3	688.9

Table 2-1-7-② Monthly Evaporation
(San Juan Bautista)

(Unit : mm)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1956	79.6	67.1	89.1	42.6	33.1	22.7	39.7	81.5	79.1	73.0	103.6	129.1	840.2
1957	90.4	66.4	84.6	63.2	62.8	38.4	64.1	85.7	48.1	105.5	72.8	77.1	859.1
1958	90.5	99.9	63.7	49.5	43.0	49.0	41.7	57.3	76.4	71.8	78.6	62.9	784.3
1959	88.1	59.9	102.2	79.2	54.5	61.0	85.8	84.0	85.9	100.6	87.2	91.0	979.4
1960	120.1	96.8	97.4	57.9	61.5	67.8	89.5	106.4	96.6	65.1	88.6	138.5	1,086.2
1956/60													
1961	134.8	63.2	73.6	37.9	52.7	60.0	63.0	119.4	76.6	105.0	96.8	102.0	985.0
1962	95.1	78.1	94.8	50.0	42.3	79.1	36.3	89.8	107.6	76.3	115.8	109.5	974.7
1963	112.5	68.2	87.7	71.9	65.8	74.8	98.2	114.5	136.3	89.8	111.2	104.2	1,135.1
1964	120.8	100.5	103.2	49.0	51.8	51.7	67.7	74.8	85.5	88.9	117.3	115.5	1,026.7
1965	94.0	68.7	65.4	64.8	49.6	57.2	82.0	87.6	60.7	107.4	83.2	65.2	885.8
1966	68.2	48.5	79.6	59.8	53.0	66.0	82.2	92.9	79.8	102.2	105.8	115.2	953.2
1967	88.6	77.6	65.4	76.0	56.2	64.0	74.2	85.3	70.0	91.7	88.3	166.8	1,004.1
1968	126.2	102.6	115.2	83.0	63.3	42.4	69.2	74.4	107.2	114.4	114.4	144.9	1,157.2
1969	84.2	90.1	79.9	50.8	54.4	61.5	91.8	78.2	130.6	114.6	75.7	117.1	1,028.9
1970	148.5	92.2	78.8	85.8	73.1	58.6	77.5	98.6	74.0	84.6	124.5	110.8	1,107.0
1961/70	107.3	79.0	84.4	62.9	56.2	61.5	74.2	91.5	92.8	97.5	103.3	115.1	1,025.7
1971	84.8	75.4	60.1	83.0	62.6	41.4	76.2	83.4	116.9	104.6	158.0	171.2	1,117.6
1972	140.4	98.4	89.6	65.6	69.6	43.1	39.5	46.2	94.0	108.8	72.4	91.7	959.3
1973	78.1	79.4	78.4	53.1	48.8	40.1	48.9	79.7	79.5	105.2	103.0	95.1	889.2
1974	91.3	63.4	63.5	58.8	54.5	38.0	109.9	78.3	95.9	98.0	121.2	101.9	974.7
1975	98.7	75.7	72.8	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-
1971/74	198.7	79.2	72.9	65.1	58.9	40.7	68.6	71.9	96.6	104.2	113.7	115.0	985.5

Table 2-1-8-① Monthly Sunshine Duration
(Encarnacion)

(Unit : hr)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1974	-	-	225.1	228.7	172.4	158.3	190.9	161.1	217.7	241.7	253.6	234.3	-
1975	217.1	219.0	126.8	185.9	190.4	158.2	180.1	132.4	117.7	212.1	222.2	280.7	2,242.6
1976	241.8	248.2	194.1	258.0	161.1	154.0	187.5	200.5	160.1	259.3	256.3	283.7	2,584.6
1977	211.8	235.5	186.2	210.6	168.6	177.6	142.1	150.2	219.2	229.1	218.8	248.5	2,398.2
1978	-	208.7	243.4	247.0	237.3	139.2	130.4	164.7	171.2	183.6	214.9	264.8	-
1979	-	-	-	159.2	162.0	187.5	184.2	146.0	192.9	189.5	238.2	230.9	-
1980	306.0		225.2	212.6	159.2	176.4	176.4	233.2	194.1	169.1	180.1	252.7	2,547.4
1974/80	244.2	241.3	183.1	211.8	169.8	166.6	171.5	179.1	172.8	217.4	219.4	266.4	2,443.4

Table 2-1-8-② Monthly Sunshine Duration
(San Juan Bautista)

(Unit : hr)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1973	-	-	-	-	-	-	111.3	-	165.7	248.4	270.2	250.8	-
1974	279.4	185.7	237.2	-	162.8	149.3	170.3	150.2	210.5	240.0	293.6	264.0	-
1975	281.2	228.0	183.7	212.6	167.5	167.2	180.9	137.8	129.2	184.8	242.8	265.3	2,381.0
1976	199.5	245.7	226.3	237.2	181.8	178.5	175.2	217.7	216.0	267.9	271.6	297.7	2,715.1
1977	220.2	255.8	194.9	222.1	162.6	183.4	164.3	157.2	275.2	276.3	253.2	264.2	2,629.4
1978	293.5	207.7	264.3	193.7	261.7	151.4	102.2	188.7	209.1	139.7	211.4	172.2	2,395.6
1979	267.8	177.2	211.7	159.5	179.4	189.0	197.5	164.3	198.0	209.8	264.8	243.4	2,462.4
1980	326.7	285.0	235.6	185.8	-	137.4	160.0	-	246.8	189.7	198.5	244.2	-
1975/79	252.4	222.9	216.2	205.0	190.6	173.9	164.0	173.1	205.5	215.7	248.8	248.6	2,516.7

Table 2-1-9-① Monthly Average Wind Velocity
(Yacyreta)

(Unit : Knot)

Year	Month												Average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1971	8	7	3	5	7	7	5	6	5	4	5	10	6
1972	4	5	1	5	7	6	6	9	11	9	11	7	7
1973	7	7	5	5	6	6	8	6	8	7	8	5	7
1974	6	6	4	3	5	5	5	6	7	5	7	6	5
1975	4	3	3	4	4	4	6	8	6	5	6	6	5
1976	9	5	7	4	7	7	6	6	7	7	6	5	6
1977	5	4	5	8	6	7	7	7	8	6	5	5	6
1978	6	6	7	5	6	8	6	6	6	5	9	5	6
1979	5	6	5	5	5	7	7	8	6	10	7	5	6
1980	7	10	7	8	6	5	9	7	8	7	7	7	7
Average	6	6	5	5	6	6	7	7	7	7	7	6	6

Data Meteorological Department, Ministry of National Defence

Table 2-1-9-② Monthly Average Wind Velocity
(Encarnacion)

(Unit : Knot)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1971	3	4	3	3	2	3	3	4	4	3	4	5	3
1972	4	4	4	3	3	4	4	5	5	5	4	4	4
1973	4	6	4	4	4	4	5	3	4	4	5	4	4
1974	5	5	4	4	5	4	4	5	5	3	6	6	5
1975	5	4	5	4	3	5	4	5	5	7	7	6	5
1976	6	6	8	5	5	8	7	6	6	5	6	5	6
1977	5	5	5	7	5	6	6	5	7	6	5	6	6
1978	6	5	6	3	5	6	4	5	6	5	6	5	5
1979	5	5	5	5	4	4	6	5	5	4	7	5	5
1980	6	4	6	5	4	6	6	5	3	5	6	6	5
Average	5	5	5	4	4	5	5	5	5	5	6	5	5

Data of Meteorological Department, Ministry of National Defence

Table 2-1-9-③ Monthly Average Wind Velocity
(San Juan Bautista)

(Unit : Knot)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
	1971	6	5	4	5	5	6	5	7	7	6	6	7
1972	5	5	5	5	5	5	7	10	11	10	8	6	7
1973	6	7	6	6	7	7	8	6	8	9	7	6	7
1974	6	5	5	5	6	7	6	7	6	5	6	5	6
1975	4	5	6	4	5	5	5	5	5	8	6	5	5
1976	6	4	5	4	5	5	6	5	5	5	6	6	5
1977	7	6	6	6	5	6	7	7	8	7	7	6	7
1978	5	5	6	4	5	6	6	5	5	5	5	6	5
1979	4	4	4	4	4	5	4	5	7	4	5	5	5
1980	4	4	5	6	5	5	8	6	4	6	4	4	5
Average	5	5	5	5	5	6	6	6	7	7	6	6	6

Data of Meteorological Department, Ministry of National Defence

Table 2-1-10-① Monthly Frosting Days
(Yacyreta)

Month Year	(Unit : Day)												Annual average	
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.		
1963	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1964	0	0	0	0	0	-	-	-	-	-	-	-	-	-
1965	0	0	0	0	0	1	0	0	0	0	0	0	0	1
1966	0	0	0	0	0	-	2	0	0	0	0	0	0	-
1967	0	0	0	0	0	1	0	0	0	0	0	0	0	1
1968	0	0	0	0	2	1	0	0	0	0	0	0	0	3
1969	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1970	0	0	0	0	0	1	0	0	0	0	0	0	0	1
1963/70	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.8
1971	0	0	0	0	0	2	0	0	0	0	0	0	0	2
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1975	0	0	0	0	0	4	0	0	0	0	0	0	0	4
1976	0	0	0	0	0	1	3	0	0	0	0	0	0	4
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	1	0	0	0	0	0	0	0	0	1
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	2	0	0	0	0	0	0	0	2
1971/80	0	0	0	0	0.1	0.1	1.1	0.1	0	0	0	0	0	1.4

Table 2-1-10- ② Monthly Frosting Days
(Encarnacion)

(Unit : Day)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1941	0	0	0	0	4	6	1	3	5	0	0	0	19
1942	0	0	0	0	8	10	7	2	0	0	0	0	27
1943	0	0	0	0	0	0	0	12	2	0	0	0	14
1944	0	0	0	0	3	0	0	0	0	0	0	0	3
1945	0	0	0	0	3	0	3	0	0	0	0	0	6
1946	0	0	0	0	0	0	6	1	0	0	0	0	7
1947	0	0	0	0	0	0	0	4	0	0	0	0	4
1948	0	0	0	0	3	0	0	2	0	0	0	0	5
1949	0	0	0	0	0	0	1	0	2	0	0	0	3
1950	0	0	0	0	0	0	2	1	0	0	0	0	3
1941/50	0.0	0.0	0.0	0.0	2.1	1.6	2.0	2.5	0.9	0.0	0.0	0.0	9.1
1951	0	0	0	0	0	3	0	4	0	0	0	0	7
1952	0	0	0	0	0	3	0	0	0	0	0	0	3
1953	0	0	0	0	0	1	3	0	0	0	0	0	4
1954	0	0	0	0	5	0	2	0	0	0	0	0	7
1955	0	0	0	0	2	0	6	4	0	0	0	0	12
1956	0	0	0	0	0	1	2	1	0	0	0	0	4
1957	0	0	0	0	0	0	2	2	0	0	0	0	4
1958	0	0	0	0	0	3	0	3	0	0	0	0	6
1959	0	0	0	0	0	2	0	0	0	0	0	0	2
1960	0	0	0	0	5	1	2	3	0	0	0	0	11
1951/60	0.0	0.0	0.0	0.0	1.2	1.4	1.7	1.7	0.0	0.0	0.0	0.0	6.0
1961	0	0	0	0	0	3	0	0	0	0	0	0	3
1962	0	0	0	0	1	1	0	0	0	0	0	0	2
1963	0	0	0	0	0	1	0	1	0	0	0	0	2
1964	0	0	0	0	0	6	1	0	0	0	0	0	7
1965	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	4	0	0	0	0	4
1967	0	0	0	0	0	4	0	0	0	0	0	0	4
1968	0	0	0	0	2	2	0	0	0	0	0	0	4
1969	0	0	0	0	0	3	1	3	1	0	0	0	8
1970	0	0	0	0	1	3	2	2	0	0	0	0	8
1961/70	0.0	0.0	0.0	0.0	0.4	2.3	0.4	1.0	0.1	0.0	0.0	0.0	4.2
1941/70													
1971	0	0	0	0	1	7	0	0	0	0	0	0	8
1972	0	0	0	0	0	0	3	1	1	0	0	0	5
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	3	0	3	0	0	0	0	6
1975	0	0	0	0	0	1	5	0	0	0	0	0	6
1976	0	0	0	0	0	5	4	3	0	0	0	0	12
1977	0	0	0	0	1	1	2	0	0	0	0	0	4
1978	0	0	0	0	6	5	0	1	0	0	0	0	12
1979	0	0	0	0	1	2	2	0	1	0	0	0	6
1980	0	0	0	0	0	3	0	1	0	0	0	0	4
1971/80	0	0	0	0	0.9	2.7	1.6	0.9	0.2	0	0	0	6.3

Table 2-1-10- (3) Monthly Frosting Days
(San Juan Bautista)

(Unit : Day)

Month Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1956	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	0	0	0	0	0	0	0
1956/60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0	0	0	0	0	3	2	0	0	0	0	0	5
1962	0	0	0	0	0	0	3	0	0	0	0	0	3
1963	0	0	0	0	0	0	0	3	0	0	0	0	3
1964	0	0	0	0	0	4	4	1	1	0	0	0	10
1965	0	0	0	0	0	0	1	0	0	0	0	0	1
1966	0	0	0	0	0	0	0	4	1	0	0	0	5
1967	0	0	0	0	0	1	0	0	0	0	0	0	1
1968	0	0	0	0	1	1	0	0	0	0	0	0	2
1969	0	0	0	0	0	0	2	0	0	0	0	0	2
1970	0	0	0	0	0	2	2	1	0	0	0	0	5
1961/70	0.0	0.0	0.0	0.0	0.1	1.1	1.4	0.9	0.2	0.0	0.0	0.0	3.7
1971	0	0	0	0	1	0	0	0	0	0	0	0	1
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	2	1	0	0	0	0	0	3
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	3	0	0	0	0	0	3
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1971/80	0	0	0	0	0.1	0.2	0.4	0	0	0	0	0	0.7

Table 2-1-11-① Past-Rainfall Record

	San Juan Bautista	Yabebyry	Encarnacion	Yacyreta	General Delgado	Santa Rosa	Calmen Del Parna	San Cosme	Ayolas
Annual amount of rainfall (m/m)									
Upper rank 1st	2,107.8('65)	2,219.5('72)	2,706.2('54)	2,130.2('73)	1,561.1('82)			1,745.8('82)	1,576.1('82)
2nd	2,058.1('80)	1,709.0('75)	2,493.8('59)	1,954.3('72)					
3rd	2,022.1('73)	1,616.5('74)	2,154.2('73)	1,770.4('66)					
4th	1,973.0('72)	1,545.0('77)	2,146.9('61)	1,755.2('65)					
5th	1,926.3('61)	1,356.0('80)	2,127.2('79)	1,723.3('79)					
Lower rank 1st	1,057.7('76)	1,125.0('78)	1,011.1('44)	1,158.8('78)					
2nd	1,104.2('78)	1,261.0('76)	1,097.7('78)	1,210.6('76)					
3rd	1,141.0('60)	1,336.0('81)	1,175.6('62)	1,223.3('71)					
4th	1,148.3('62)		1,192.3('67)	1,276.7('77)					
5th	1,267.5('64)		1,283.2('45)	1,294.0('74)					
Annual rainfall days (day)									
Upper rank 1st	71 ('65)	61 ('72)	88 ('54)	76 ('73)	54 ('82)			59 ('82)	55 ('82)
2nd	70 ('73)	56 ('75)	75 ('75)	69 ('72)					
3rd	69 ('72)	53 ('74)	74 ('59, '72, '73)	60 ('79)					
Lower rank 1st	45 ('62)	42 ('77)	43 ('44)	46 ('71)					
2nd	47 ('78)	43 ('76)	48 ('62)	47 ('69)					
3rd	48 ('76)		49 ('45, '47)	48 ('68)					
Maximum amount of rainfall per day (m/m)	169.2 (Aug. 12, '72)	258.0 (Mar. 18, '73)	232.1 (Feb. 11, '59)	189.5 (Feb. 14, '71)	137.0 (Feb. 26, '83)	87.5 (Dec. 14, '81)	65.0 (May 18, '82)	231.5 (Feb. 27, '83)	178.0 (Apr. 16, '83)

Past rainfall record in Survey area.

{Encarnacion}

1954 - 2,706.2 mm/year Rainfall days { September - 12 days/month
October - 15 days/month

1954 October - 581.9 mm/month

1982 November - 556.8 mm/month

1983 May - 581.6 mm/month

{Yacyreta}

1982 November - 494.4 mm/month

Table 2-1-11-② Monthly Maximum Rainfall Record

	Yacyreta	Encarnacion	Yabebyry	San Juan Bautista
1940		168.0 (Nov. 11)		
1941		222.0 (Apr. 22)		
1942		99.3 (Jun. 2)		
1943		79.0 (Dec. 11)		
1944		66.0 (Feb. 25)		
1945		83.0 (May 13)		
1946		108.0 (May 8)		
1947		130.0 (Jun. 16)		
		120.0 (May 16)		
		97.0 (Apr. 7)		
1948		177.0 (Feb. 4)		
1949		86.5 (Dec. 27)		
1950		113.0 (Apr. 10)		
		105.2 (Mar. 28)		
1951		146.4 (Nov. 22)		
		103.8 (Mar. 17)		
1952		107.0 (May 26)		
1953		95.4 (Oct. 25)		
1954		114.0 (Apr. 25)		
1955		162.9 (Oct. 11)		
		96.4 (Jun. 11)		
1956		91.8 (Apr. 4)		76.3 (Apr. 10)
1957		117.8 (Oct. 31)		104.2 (Apr. 23)
		111.5 (Jul. 12)		
		110.9 (Sep. 6)		
1958		115.7 (Feb. 16)		102.8 (Apr. 11), 93.6 (Feb. 16)
1959		232.1 (Feb. 11)		87.0 (Feb. 13)
		168.7 (Mar. 16)		
		127.4 (Mar. 17)		
		100.0 (Feb. 8)		
1960		109.0 (Sep. 23)		64.7 (Sep. 24)
1961		162.6 (May 18)		97.6 (Mar. 12)
		124.0 (Apr. 22)		
1962		70.5 (Dec. 2)		95.4 (Dec. 3), 90.7 (Mar. 3)
1963	112.0 (Nov. 5)	160.3 (Nov. 7)		114.7 (Nov. 7), 99.4 (Dec. 4)
		135.2 (Mar. 21)		
		105.5 (Jun. 14)		
1964	108.7 (Feb. 8)	88.2 (Feb. 8)		103.8 (Jan. 7), 91.2 (Apr. 15)
1965	120.0 (Oct. 23)	107.3 (Feb. 4)		167.1 (Dec. 21), 122.8 (Dec. 5)
				92.6 (Feb. 15)
1966	160.2 (Nov. 12)	81.0 (Jan. 22)		87.2 (Jun. 15)
1967	78.5 (Feb. 28)	70.2 (Jan. 8)		78.6 (Jan. 3)
1968	73.0 (Oct. 7)	138.4 (Dec. 20)		112.0 (Mar. 21), 106.3 (Oct. 29)
				93.1 (Jan. 20)
1969	140.6 (Oct. 21)	102.0 (Mar. 31)		112.6 (Jan. 9), 100.6 (May 25)
				93.4 (Oct. 21)
1970	93.0 (Mar. 11)	96.0 (Mar. 11)		112.8 (Feb. 6)
1971	189.5 (Feb. 14)	102.8 (Mar. 14)		120.4 (Mar. 14)
1972	120.8 (Jun. 8)	98.4 (Jun. 5)	123.0 (May 10)	169.2 (Aug. 12), 110.0 (Oct. 21)
			224.0 (Jun. 5)	
			153.0 (Dec. 2)	
			105.0 (Jun. 9)	
			96.0 (Sep. 26)	
			91.0 (Nov. 25)	
			90.0 (Oct. 22)	
1973	156.2 (May 1)	135.0 (Sep. 11)	258.0 (Mar. 18)	130.8 (Dec. 14), 112.4 (Mar. 17)
			118.0 (May 2)	96.8 (Mar. 29), 94.4 (Dec. 13)
1974	92.0 (Jun. 8)	109.4 (May 25)	86.0 (Jan. 10, Feb. 21)	75.2 (Jul. 11)
1975	135.0 (Oct. 26)	110.0 (Jan. 17)	159.0 (Apr. 21)	
			110.0 (Nov. 22)	78.2 (Nov. 4)
1976	88.0 (Jun. 4)	78.2 (Mar. 19)	98.0 (Oct. 17)	145.0 (Dec. 6), 106.2 (Oct. 23)
1977	94.6 (Jan. 3)	91.8 (Feb. 10)	190.0 (May 6)	
			123.0 (Nov. 9)	50.2 (Jan. 21)
1978	88.4 (Feb. 2)	81.4 (Feb. 2)		127.2 (Oct. 29), 105.2 (Apr. 2)
1979	114.2 (Aug. 17)	106.6 (Oct. 27)		
		103.2 (Feb. 16)		
1980	81.8 (May 9)	100.2 (Oct. 21)		132.0 (Jan. 23), 110.6 (May 9)
				91.6 (Oct. 29)
1981		103.0 (Nov. 5)		
1982		134.2 (Feb. 10)		
1983	110.4 (Apr. 3)			
	110.0 (Apr. 17)			
	90.2 (May 1)			

Table 2-1-11- ③ Annual Amount of Rainfall Record

	San Juan Bautista	Tabebury	Encarnacion	Yacyreta	General Delgado	Santa Rosa	Calmen Del Parna	San Cosma	Ayolas
1942			1,706.7 61						
1943			1,286.5 53						
1944			1,011.1 43						
1945			1,283.2 49						
1946			2,010.4 73						
1947			1,640.5 49						
1948			1,950.6 70						
1949			1,546.3 66						
1950			1,979.8 69						
1951			1,599.2 55						
1952			1,556.3 59						
1953			1,647.2 59						
1954			2,706.2 88						
1955			1,766.8 59						
1956	1,438.5 54		1,480.1 63						
1957	1,654.7 56		1,845.7 62						
1958	1,461.8 55		1,651.4 55						
1959	1,843.5 65		2,493.8 74						
1960	1,141.0 49		1,467.5 56						
1961	1,926.3 59		2,146.9 61						
1962	1,148.3 45		1,175.6 48						
1963	1,643.6 50		2,072.9 59						
1964	1,267.5 53		1,363.5 50						
1965	2,107.8 71		1,778.3 68	1,755.2 54					
1966	1,925.7 55		1,611.9 69	1,770.4 53					
1967			1,192.1 56	(965.0)					
1968	1,483.0 50		1,381.7 53	1,300.9 48					
1969	1,809.3 53		1,525.8 56	1,450.6 47					
1970	1,508.3 54		1,494.4 61	1,664.8 54					
1971	1,649.7 56		1,504.3 57	1,223.4 46					
1972	1,973.0 69	2,119.5 61	2,099.2 74	1,954.3 69					
1973	2,022.1 70		2,154.6 74	2,130.2 76					
1974		1,616.5 53	1,443.6 55	1,294.0 52					
1975	1,466.2 66	1,709.0 56	2,049.7 75	1,556.4 57					
1976	1,057.7 48	1,261.0 43	1,503.9 56	1,210.6 51					
1977	1,614.3 61	1,545.0 42	1,431.9 57	1,276.7 55					
1978	1,104.2 47	1,133.0	1,097.7 52	1,158.8 52					
1979	1,916.9 68		2,137.2 71	1,723.3 60					
1980	2,058.1 63	1,356.0	1,521.6 65	(1,443.4)					
1981		1,336.0							
1982					1,561.1 54			1,745.8 59	1,576.1 55
1983									

Table 2-1-12-① Amount of Rainfall
(Yacyreta)

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
1963	*127.6	*173.1	129.8	126.1	122.3	116.2	136.7	29.8	177.6	134.1	369.6	184.7	*1,827.6
1964	61.8	146.1	211.4	295.6	73.7	27.0	*73.0	*50.5	*103.4	*292.6	*209.6	*244.4	*1,699.1
1965	46.4	214.5	98.7	263.7	147.0	94.5	57.5	77.3	118.6	292.0	54.0	367.5	1,831.7
1966	279.5	158.6	254.9	92.3	52.6	306.6	24.8	44.2	72.7	170.8	257.1	209.9	1,924.0
1967	141.0	207.2	101.0	13.5	45.0	31.0	122.3	69.9	30.0	47.7	156.4	60.0	*1,025.0
1968	138.9	71.9	74.4	40.3	24.3	124.5	96.1	83.9	134.2	308.0	67.7	135.2	1,299.4
1969	197.9	245.9	151.9	61.0	103.4	129.9	67.5	41.3	91.4	212.0	173.5	74.3	1,450.0
1970	82.0	172.4	316.5	8.1	135.5	140.8	67.5	105.9	277.7	205.1	20.8	148.0	1,680.3
1963/70	134.39	173.71	167.33	112.58	87.98	121.31	80.68	62.85	125.70	196.54	163.59	178.00	
1971	207.0	310.3	228.7	107.6	86.7	113.3	154.7	52.0	36.9	49.1	42.8	98.9	1,488.0
1972	80.0	63.8	121.2	84.9	65.1	517.8	82.9	169.5	154.4	247.7	170.8	196.4	1,954.5
1973	166.1	82.6	268.9	285.1	290.3	108.7	177.6	118.7	244.3	133.8	58.5	195.9	2,130.5
1974	149.8	125.3	99.7	118.6	103.3	154.4	37.2	92.2	44.8	63.0	100.8	204.9	1,294.0
1975	109.8	87.7	188.9	245.0	54.2	93.0	55.2	134.6	139.0	257.2	130.2	61.6	1,556.4
1976	189.8	106.8	150.0	44.2	68.8	102.8	36.2	38.2	57.8	236.8	104.6	74.6	1,210.6
1977	262.5	44.2	26.8	94.2	167.0	51.4	83.6	37.8	80.2	81.6	191.6	146.2	1,267.1
1978	71.2	123.7	51.8	38.2	46.8	48.6	84.4	32.6	71.8	176.2	180.8	23.3	949.4
1979	25.0	183.5	54.2	91.5	87.9	36.2	165.6	287.4	113.8	276.0	183.8	218.4	1,723.3
1980	46.6	175.8	127.4	107.4	278.8	68.0	27.2	126.4	135.8	118.2	237.8	136.6	1,580.0
1971/80	130.8	130.5	131.7	121.7	124.3	129.4	90.5	108.9	107.9	164.0	140.2	135.7	1,515.6
1981	156.8	132.0	87.2	152.6	98.0	172.2	17.0	34.8	138.0	12.2	163.0	91.6	1,285.4
1982	21.8	155.0	55.0	74.0	39.4	225.4	84.0	121.8	213.4	82.6	494.4	-	

Table 2-1-12-② Amount of Rainfall
(Encarnacion)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1938	137.4	176.1	108.9	216.0	153.3	104.2	50.5	13.7	59.6	136.8	86.8	13.5	1,256.8
1939	114.3	295.2	192.1	124.7	198.5	179.7	53.9	109.2	232.1	226.0	256.5	199.0	2,181.2
1940	168.7	102.4	261.7	248.1	259.2	203.0	288.9	93.4	32.8	102.1	411.9	206.1	2,378.4
1938/40													
1941	163.2	161.3	215.1	574.7	149.6	98.9	147.7	192.5	118.4	96.3	242.8	187.9	2,348.4
1942	139.3	28.7	178.0	165.8	291.2	208.8	77.5	154.9	206.5	135.2	50.0	70.8	1,706.7
1943	98.5	89.1	198.1	55.2	171.6	194.2	76.6	42.0	58.5	112.2	91.5	99.0	1,286.5
1944	62.0	208.0	66.5	61.0	58.0	118.7	19.5	38.5	89.5	148.0	64.9	76.5	1,011.1
1945	37.5	99.1	173.1	51.5	115.5	10.0	138.8	80.8	132.4	140.0	148.9	155.6	1,283.2
1946	324.3	227.0	121.1	62.0	291.1	90.7	41.6	67.3	79.1	291.6	198.0	216.6	2,010.4
1947	151.0	113.7	60.5	311.8	369.4	261.5	68.0	43.4	141.8	68.8	39.1	11.5	1,640.5
1948	115.2	471.2	146.7	230.9	132.1	103.0	158.7	5.0	170.0	191.0	167.0	21.8	1,912.6
1949	182.9	36.0	266.5	68.7	71.5	220.7	86.3	59.4	130.0	134.1	94.1	196.1	1,546.3
1950	136.9	255.2	174.0	175.7	268.0	231.2	117.4	47.2	105.0	144.7	129.3	195.2	1,979.8
1941/50	141.1	168.9	160.0	175.7	191.8	153.7	93.2	73.1	123.1	146.1	122.5	123.1	1,672.3
1951	175.1	206.2	240.3	59.1	69.7	27.7	27.3	15.9	46.2	325.8	338.4	67.5	1,599.2
1952	125.4	209.3	134.5	15.5	203.3	164.9	109.4	23.5	107.6	194.2	170.2	61.9	1,519.7
1953	77.5	89.9	66.6	89.0	186.1	119.7	50.5	81.4	340.1	301.2	198.7	46.5	1,647.2
1954	167.2	191.3	119.0	287.4	157.2	278.7	256.1	50.0	293.7	581.9	63.5	207.1	2,643.1
1955	107.7	107.0	185.4	251.3	157.7	307.9	87.8	80.4	19.4	248.8	66.3	147.1	1,766.8
1956	110.2	71.7	163.9	282.8	107.8	120.9	298.3	62.0	67.1	92.2	32.5	73.7	1,483.1
1957	192.8	83.3	46.3	209.4	167.1	112.7	163.5	92.9	309.0	276.1	119.7	72.9	1,845.7
1958	37.2	408.9	53.2	153.5	53.9	52.2	119.3	77.1	89.8	63.3	327.4	276.7	1,712.5
1959	146.1	614.0	339.0	209.6	193.7	141.8	40.4	148.5	116.8	268.3	134.7	141.2	2,494.1
1960	69.4	130.0	17.4	104.1	52.8	212.8	84.5	137.3	249.8	228.1	46.2	132.4	1,464.8
1951/60	120.9	211.1	136.5	166.1	134.9	153.9	123.7	76.9	163.9	257.9	149.7	122.7	1,818.2
1961	193.0	123.9	164.2	327.9	246.8	159.0	145.2	81.5	313.2	175.8	167.5	48.5	2,146.3
1962	119.7	122.5	149.4	126.7	142.9	18.2	26.9	69.2	146.6	40.3	119.9	93.5	1,175.8
1963	172.6	76.2	163.0	91.1	111.2	222.5	82.1	105.5	210.5	232.0	120.0	186.5	2,073.2
1964	26.2	132.5	150.0	306.4	60.5	40.0	81.1	152.2	169.2	71.0	51.9	123.1	1,364.1
1965	32.3	268.8	70.9	167.1	89.1	80.9	105.1	187.4	133.3	310.0	63.5	272.8	1,781.6
1966	267.9	199.9	137.2	95.0	26.7	163.6	75.2	54.6	52.2	199.9	119.7	219.5	1,611.4
1967	163.0	215.7	107.7	5.8	70.0	59.6	109.5	183.1	45.9	82.6	89.4	60.0	1,192.3
1968	117.8	56.8	77.0	103.9	8.7	104.5	119.9	46.3	149.1	283.6	107.4	231.7	1,406.7
1969	199.4	144.0	204.8	103.1	162.5	92.9	39.0	54.4	104.3	121.1	169.7	108.0	1,500.2
1970	74.7	113.3	233.0	10.1	202.1	87.0	56.5	72.9	184.6	238.3	60.2	156.7	1,494.4
1961/70	136.7	145.4	145.7	133.7	112.0	102.8	84.0	100.7	159.2	175.4	137.7	150.0	1,574.6
1941/70	132.8	175.1	135.5	158.5	149.5	136.8	100.3	83.5	145.8	193.1	136.6	131.9	1,688.3
1971	305.7	143.9	244.2	80.8	144.8	213.3	93.7	54.1	146.4	30.0	20.7	136.1	1,503.7
1972	53.0	87.1	108.3	99.5	62.6	330.3	127.2	263.9	268.8	259.5	354.3	85.8	2,100.3
1973	263.9	71.8	264.3	187.4	199.2	121.6	145.1	132.9	280.3	196.9	30.8	260.0	2,154.2
1974	114.8	113.0	74.9	81.2	206.2	179.3	31.3	183.8	19.4	70.7	182.2	211.8	1,468.6
1975	205.0	171.5	226.6	256.7	59.0	165.6	60.0	147.8	223.8	250.5	96.0	187.2	2,049.7
1976	217.4	78.6	135.0	73.9	114.6	68.9	123.0	64.4	101.6	220.4	157.6	128.5	1,503.9
1977	212.3	110.1	91.4	43.0	150.2	123.6	123.0	56.0	69.4	77.5	197.2	178.2	1,431.9
1978	75.6	114.0	100.4	25.6	43.8	66.5	143.2	60.3	78.8	105.6	154.4	129.8	1,098.0
1979	27.4	320.8	125.4	220.6	143.6	46.8	64.2	193.6	195.2	365.2	109.0	315.4	2,127.2
1980	66.0	165.6	136.8	119.4	321.8	49.2	43.8	96.8	140.4	213.0	100.8	68.0	1,521.6
1971/80	156.1	137.6	150.7	118.8	144.6	136.5	95.4	25.3	141.4	178.9	140.2	170.1	1,695.6
1981	149.6	120.2	135.2	211.8	68.2	143.2	10.0	41.4	166.1	57.6	243.0	139.0	1,485.3
1982	9.9	276.5	100.3	56.2	89.4	226.1	128.3	47.3	154.6	116.0			

Table 2-1-12-③ Amount of Rainfall
(San Juan Bautista)

Year	Month												Annual average
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1941	115.5	212.0	170.0	315.5	147.0	57.0	97.0	144.0	111.0	37.0	328.0	161.0	1,895.0
1942	102.0	23.0	228.0	237.0	164.0	173.0	19.0	113.0	36.0	195.0	28.0	103.0	1,421.0
1943	29.4	62.0	103.0	17.0	188.0	266.0	40.0	27.0	58.0	115.0	168.0	86.0	1,159.4
1944	27.0	13.0	133.0	0.0	68.0	92.0	13.0	75.0	58.0	129.0	63.0	0.0	671.0
1945	58.0	50.0	171.0	84.0	31.0	0.0	89.0	0.0	79.0	300.0	182.0	108.0	1,152.0
1946	296.0	134.0	197.0	71.0	229.0	40.0	34.0	24.0	83.0	303.0	109.0	237.0	1,757.0
1947	0.0	72.0	42.0	159.0	200.0	130.0	95.0	29.0	71.0	105.0	62.0	26.0	991.0
1948	103.0	145.0	171.0	256.0	32.0	53.0	96.0	1.0	63.0	175.0	159.0	10.0	1,264.0
1949													
1950													
1941/50	91.4	88.9	151.9	142.4	132.4	101.4	60.4	51.6	69.9	169.9	137.4	91.4	1,289.0
1951													
1952													
1953													
1954													
1955	126.0	103.0	161.0	213.0	0.0	273.4	70.2	82.1	23.4	101.9	74.9	138.2	1,367.1
1956	205.9	104.6	241.0	223.4	99.5	68.1	98.4	42.9	61.4	152.0	77.8	70.5	1,445.5
1957	271.4	117.2	56.5	312.5	54.6	125.5	83.2	61.3	181.8	103.1	58.5	226.3	1,651.9
1958	62.5	211.0	145.8	204.6	44.6	89.1	113.9	65.4	129.3	67.8	202.6	122.4	1,459.0
1959	181.4	227.0	132.9	266.1	111.6	57.0	62.5	117.6	187.6	208.9	207.0	143.0	1,902.6
1960	40.3	69.7	42.6	110.1	45.8	100.6	91.4	111.0	125.6	290.8	136.5	81.6	1,246.0
1951/60	147.9	138.7	130.0	221.6	59.3	118.9	86.6	80.0	118.2	154.1	126.2	130.3	1,511.8
1961	107.6	207.5	223.1	242.0	108.4	126.1	137.2	50.8	194.7	173.0	242.2	103.7	1,916.3
1962	178.0	155.4	132.2	118.9	94.3	8.5	23.2	48.7	66.4	117.2	88.7	139.2	1,170.7
1963	235.6	41.3	74.4	127.8	146.3	139.6	52.3	34.9	141.8	114.6	314.6	202.4	1,625.6
1964	122.3	54.2	224.5	260.4	5.2	28.2	56.2	105.0	128.9	70.9	70.0	142.0	1,267.8
1965	102.3	271.4	63.8	204.7	98.5	155.9	93.7	185.2	109.1	232.6	108.0	482.6	2,107.8
1966	154.9	387.3	171.6	109.5	35.7	173.6	34.3	32.6	40.5	153.5	185.8	46.0	1,525.3
1967	246.8	157.9	152.5	18.8	0.0	45.6	171.8	81.2	18.5	152.5	104.5	40.0	1,190.1
1968	274.2	108.5	179.6	69.9	28.8	46.3	83.3	70.8	110.9	359.4	80.0	71.3	1,483.0
1969	382.6	161.9	147.5	63.5	265.4	78.0	23.6	47.3	107.7	145.9	232.2	76.0	1,731.6
1970	107.0	156.8	145.0	8.2	166.9	109.4	29.4	41.2	208.5	240.1	132.8	224.8	1,570.1
1961/70	191.2	170.2	151.4	122.4	94.9	91.1	70.5	69.8	112.7	176.0	155.9	152.8	1,558.9
1971	359.7	79.7	345.7	174.3	136.5	101.1	144.8	45.2	39.8	83.3	42.7	96.9	1,649.7
1972	81.4	92.8	84.6	105.8	47.8	359.9	44.2	261.7	141.4	229.8	289.0	244.6	1,983.0
1973	241.1	30.7	320.6	169.5	203.9	106.0	151.3	66.7	72.1	210.7	102.0	347.5	2,022.1
1974	70.6	161.1	176.8	79.8	231.3	133.9	17.2	128.5	56.6	100.9	144.5	264.2	1,565.4
1975	200.4	113.6	126.5	158.9	31.0	72.4	101.6	153.0	154.6	148.9	159.5	55.8	1,476.2
1976	141.9	89.2	132.7	69.0	49.4	53.7	46.2	68.6	45.1	121.6	133.3	107.0	1,057.7
1977	391.6	83.0	66.8	73.8	157.3	67.2	82.4	53.8	25.8	197.2	208.2	207.2	1,614.3
1978	101.8	170.4	45.6	43.4	48.4	31.6	126.0	34.6	89.4	166.0	144.4	103.4	1,105.0
1979	60.6	128.0	62.9	180.0	132.6	84.2	51.2	178.6	179.0	461.4	242.6	152.8	1,913.9
1980	246.2	137.6	287.2	159.5	185.8	85.8	29.4	90.8	115.2	269.6	422.2	28.8	2,058.1
1971/80	189.5	108.7	164.9	121.4	122.4	109.6	79.4	108.1	91.9	198.9	188.8	160.8	1,644.4
1981	231.0	167.6	99.2	140.0	42.2	212.6	14.4	20.2	60.4	119.2	312.2	175.4	1,594.4
1982	43.4	198.4	68.7	67.9	83.2	149.2	43.4	69.2					

Table 2-1-13 Daily Rainfall Annual

		Year 1963												Observation Station		Yacyreta		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1																			
2																			
3																			
4																			
5											5.5								
6												84.0							
7												49.9							
8												7.9							
9												3.5							
10																			
11																			
12																			
13												12.4							
14											9.9								
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
	Total																		
	Maximum ①			42.8	60.9	53.3	73.1	88.4	25.2	80.5	41.6	112.0	98.5	112.0					
	②										56.7	133.9	123.7	123.7					
	③										56.7	141.8	123.7	141.8					
	Rainfall days										8	8	5	5					

(Cont'd)		Year 1964												Observation Station		Yacyreta		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Yacyreta			
Month	Day																		
	1		0.9	16.6															
	2		14.4																
	3			2.8															
	4			6.4						26.0									
	5			27.2															
	6	26.8																	
	7	18.0																	
	8		108.7																
	9						2.7												
	10																		
	11																		
	12						0.6			56.6									
	13						21.2												
	14																		
	15			4.6															
	16						47.7												
	17						5.1												
	18																		
	19						8.1												
	20						92.6												
	21						18.8												
	22						39.5												
	23						54.7				1.0								
	24																		
	25						26.7												
	26	9.6					32.8			9.5									
	27						0.7			4.9									
	28						61.2												
	29	1.3	12.7				24.7												
	30	4.1					2.0												
	31																		
	Total	61.8	146.1	211.4	293.8	73.7	27.0											108.7	
	Maximum ①	26.8	108.7	61.2	92.6	56.6	26.0											108.7	
	②	44.8	108.7	77.0	100.7	56.6	26.0											108.7	
	③	44.8	108.9	77.0	100.7	56.6	26.0											108.7	
	Rainfall days	3	3	7	9	2	1												

(Cont'd)		Year 1965												Observation Station Yacyreta				(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1				38.0				25.5											
2			70.0					32.0											
3		11.2							17.4	22.0									
4			17.0			4.5				2.0			27.0						
5						23.5				1.2		6.5	3.2						
6										0.4	76.0								
7		23.0					90.0					2.5							
8				17.0	75.0					6.0									
9						58.0	1.5			5.0									
10										5.3			19.0						
11			10.0																
12					23.0							8.0							
13			37.5			61.0							48.0						
14							3.0		38.0	8.0			58.5						
15			30.0	0.2	19.0								14.0						
16		7.0																	
17				1.5	52.0				7.0	4.0									
18				36.5					8.0		30.0		50.0						
19					0.2								1.0						
20									0.3										
21											26.0		90.0						
22			16.0	2.0							10.0								
23				3.5	10.5						120.0								
24					1.0							3.0							
25					81.0				3.0	17.0		28.0							
26		3.2							0.2										
27			23.0						3.0		30.0								
28					2.0				0.4										
29																			
30												6.0							
31		2.0																	
Total		46.4	214.5	98.7	263.7	147.0	94.5	57.5	77.3	70.9	292.0	54.0	338.7	1,755.2					
Maximum	①	23.0	70.0	38.0	81.0	61.0	90.0	32.0	38.0	22.0	120.0	28.0	90.0	120.0					
	②	23.0	70.0	38.0	82.0	61.0	90.0	57.5	39.0	24.0	130.0	31.0	106.5	130.0					
	③	23.0	87.0	38.0	92.5	61.0	91.5	57.5	38.0	25.3	156.0	31.0	120.5	156.0					
Rainfall days		3	8	3	6	3	1	2	9	6	6	4	8						

Day Month	Year 1966												Total
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1		2.0	3.0		2.1					11.0			
2			17.1									89.5	
3			38.2		14.0			0.5		15.5		10.0	
4			1.1	4.4	31.1			9.5				16.5	
5		13.0			0.3								
6				2.5					12.9			6.5	13.2
7	13.5											9.0	
8		24.0										63.5	
9													
10													
11						38.0			18.6	34.2	160.2		
12						60.0			21.0				
13				1.2									
14		5.0				27.5	1.4		16.2			20.5	
15						56.5	1.8		3.0	63.7	2.0		
16		23.0								3.5			
17	12.5												
18	1.0	35.0	1.5									1.0	
19		61.0	6.6	27.3									
20	8.5		127.5				2.2						
21	5.4	0.6			4.5					38.4			
22	6.0					1.5	3.8	19.8					
23	4.5			56.6				14.5					
24		30.0		0.3							4.1		
25	8.5		0.4							15.5	11.8		
26						2.5	1.0						
27													
28					0.1	119.0	12.5						
29							2.1						
30			46.3										
31			1.2									60.2	
Total	59.9	216.6	254.9	92.3	52.1	305.0	24.8	44.3	71.7	181.8	257.0	209.9	1,770.4
Maximum ①	13.5	61.0	127.5	56.6	31.1	119.0	12.5	19.8	21.0	63.7	160.2	98.5	160.2
②	13.5	96.0	134.1	56.9	31.4	119.0	14.6	34.3	39.6	63.7	160.2	98.5	160.2
③	13.5	119.0	142.6	56.9	45.4	131.5	14.6	34.3	39.6	63.7	223.7	115.0	223.7
Rainfall days	6	8	6	2	1	5	1	3	4	6	5	6	6

(Cont'd)

Observation Station Yacyreta (Unit: mm)

(Cont'd)		Year 1968												Total
		Observation Station Yacyreta (Unit: mm)												
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1														
2		21.0			4.6									
3		1.2							3.2					
4														
5												2.8		
6						8.5	3.8	33.2				4.0		
7						3.2	23.9	23.9	20.5		73.0			
8														
9														
10			22.0											
11			11.0			65.0				0.2				
12			18.5	4.2		16.2								
13				10.0						0.2				
14		15.0				15.8				0.4				
15				34.0									7.5	
16		2.5						16.0			55.8			
17														
18					15.2			6.8	17.0					
19					3.0		3.0			52.7				
20		55.5		18.0					43.0				69.0	
21														
22			18.4	7.2										
23			3.0											
24							49.5							
25				1.0										
26														
27		14.6			17.5					46.0	1.0	12.5		
28										14.0	13.0	1.0	19.2	
29		17.6							1.2	20.7	5.0			
30		11.5									2.2			
31											57.3			
Total		138.9	72.9	74.4	40.3	24.3	124.5	96.1	84.9	134.2	307.5	67.7	135.2	1,300.9
Maximum ①		55.5	22.0	34.0	17.5	15.8	65.0	33.2	43.0	52.7	73.0	47.4	69.0	73.0
②		55.5	29.5	34.0	18.2	15.8	65.0	33.2	43.0	60.0	73.0	47.4	69.0	73.0
③		55.5	39.5	44.0	18.2	15.8	65.0	33.2	63.0	81.0	73.0	47.4	69.0	81.0
Rainfall days		6	4	4	2	2	2	5	3	4	9	2	5	

(Cont'd)		Year 1969												Observation Station Yacyreta		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total			
1					4.4	6.0						3.4					
2		40.7	1.6														
3		1.7		0													
4					0.4												
5		3.0															
6								33.3				4.0					
7												67.2					
8		24.3	27.2				14.7					20.0					
9																	
10		88.0															
11		3.6	7.3			7.1			25.3								
12							69.0		13.2								
13							31.0					2.5					
14			4.7				6.0										
15		26.0	13.2							8.5							
16			3.8							12.2							
17			17.2				1.6										
18			6.2														
19					16.1					4.1							
20				12.3	15.1												
21				4.1	0	43.0					140.6						
22																	
23					0				2.6								
24									0.2								
25						28.0				40.4							
26			67.9	1.7								15.8					
27			4.9	8.6													
28			1.8	13.7	25.0					21.5							
29				2.9			7.6			2.5							
30						19.3				2.2							
31		10.6									15.2						
Total		197.9	145.9	151.8	61.0	103.4	129.9	67.5	41.3	91.4	213.2	173.0	74.3	1,450.6			
Maximum	①	88.0	67.9	103.6	25.0	43.0	69.0	34.2	25.3	40.4	140.6	67.2	40.0	140.6			
	②	88.7	67.9	108.0	25.0	43.0	100.0	34.2	38.5	40.4	140.6	87.2	40.0	140.6			
	③	91.6	67.9	108.0	25.0	43.0	106.0	34.2	38.5	40.4	140.6	91.2	40.0	140.6			
Rainfall days		5	6	4	3	5	5	2	2	4	4	4	3				

(Cont'd)

Observation Station Yacyreta (Unit: mm)

Month Day	Year 1970												Total		
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.			
1															
2															
3		72.4			28.5			9.2							
4		17.4			20.2			18.2							
5		1.0				19.2		8.6	45.5						
6		76.8					13.9	47.9	38.2						
7		4.8								2.0					
8	12.0		68.0							17.4					
9							21.2								
10							43.5								
11			93.0			4.5			0.6					40.0	
12						2.2			1.5					1.1	
13						1.1			22.2					9.0	
14			77.0	3.2										3.0	
15															
16			46.0		16.0										
17						6.1								3.2	
18					49.0	6.5									22.0
19					15.0			4.9							
20			5.0		0			2.2							31.0
21						14.2									11.0
22						10.9		5.1							
23								3.3							
24															
25															
26				4.9											
27					6.8									16.5	
28						1.1		18.5							
29															
30	61.0		25.0												
31					0.3			5.1							
Total	73.0	172.4	314.0	8.1	135.5	130.8	67.5	111.9	233.2	249.6	20.8	148.0	1,664.8		
Maximum ①	61.0	76.8	93.0	4.9	49.0	43.5	18.5	47.9	54.4	82.1	16.5	40.0	93.0		
②	61.0	89.8	123.0	4.9	64.0	64.7	18.5	47.9	63.3	82.1	16.5	40.0	123.0		
③	61.0	90.8	123.0	4.9	64.0	64.7	23.6	47.9	63.3	82.1	16.5	49.0	123.0		
Rainfall days	2	3	6	0	6	7	6	4	6	7	1	6			

(Cont'd)		Year 1971												Observation Station		Yacyreta		(Unit: mm)
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
1		6.6				60.8												
2				10.3													9.2	
3				40.3				0			15.5					14.9	12.8	
4		7.2		3.9		0.2	9.7			4.0								
5							1.1											
6							2.2				5.6							
7				0.3			9.7										48.7	
8		9.2						1.0										
9			4.0	40.4				95.7										
10								4.6			6.0							
11										2.8								
12		6.0	5.0	2.4					38.6	15.5		2.0						
13			2.0	72.2					2.5								3.0	
14			189.5	43.5	2.7													
15				2.2	46.7	30.5												
16																		
17																		
18		1.0		1.8								4.3					5.5	
19																		
20				11.4	10.7						13.0							
21		2.4					0.6											
22							64.3											
23			10.2			3.8	2.0		9.9	14.6							1.8	
24						1.3												
25							0.4	32.0										
26							11.0											
27			0.6		0.9		10.5											
28								15.2										
29					29.2			7.2										
30		9.0			7.5		1.8					7.2					1.4	
31												12.1					16.5	
Total		41.4	211.3	228.7	97.7	96.6	113.3	154.7	52.0	36.9	49.1	42.8	98.9	1,223.4				
Maximum	①	9.2	189.5	72.2	46.7	60.8	64.3	95.7	38.6	15.5	15.5	14.9	48.7	189.5				
	②	9.2	191.5	115.7	49.4	67.8	66.3	100.3	41.15	15.5	15.5	19.2	48.7	191.5				
	③	9.2	196.5	118.1	49.4	60.8	66.3	100.3	41.15	18.3	15.5	19.2	48.7	196.5				
Rainfall days		5	3	6	4	2	5	4	2	2	5	3	5					

(Cont'd)		Year 1972												Observation Station		Yacyreta		(Unit: mm)	
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1		2.0	17.0		9.5		2.7				0.8	3.5	26.4						
2		2.0			6.4		17.0		4.6				6.3						
3							31.1		9.2				84.3						
4		3.6					95.5						15.4						
5		17.0					59.0												
6						30.3		32.7											
7												17.1							
8			7.7	47.7			120.8					0.6	1.7						
9			17.9	0.2		1.6	75.9												
10			18.7			0.6	5.4					0.3							
11					0.3	0.9	1.9		26.8										
12								0.3											
13		3.4			24.2														
14					38.2			6.5											
15		0.5		24.5			41.1												
16		0.2					21.7		19.2	21.7									
17		1.7	2.5	15.5		6.0	23.2	3.4	16.6										
18		10.8				3.9		2.5	4.0	0.4									
19		25.0							6.0	52.9									
20		6.0							1.0	1.9									
21						14.6		21.2	8.4										
22						0.3													
23																			
24																			
25								16.6	20.9	42.8									
26				33.0	3.5				6.4	33.7									
27					1.1		0.7		1.6	1.0									
28		7.8					6.5												
29						3.6	14.9		0.3										
30						1.3	0.1												
31																			
Total		80.0	63.8	121.2	84.9	65.1	517.8	82.9	169.5	154.4	247.7	170.8	196.2	1,954.3					
Maximum	①	25.0	18.7	47.7	38.2	30.3	120.8	32.7	44.5	52.9	91.3	53.9	84.3	120.8					
	②	35.8	36.6	47.9	62.4	20.2	196.7	32.9	65.4	54.8	96.2	55.0	99.7	196.7					
	③	41.8	44.3	47.9	62.4	20.2	202.1	32.9	65.4	55.2	96.2	55.0	106.2	202.1					
Rainfall days		5	4	4	4	3	12	4	9	4	7	7	6						

(Cont'd)		Year 1973												Observation Station		Yacyreta		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Yacyreta	Station	Yacyreta	
Day	Month	3.0		25.2		156.2													
2						0.3		16.3											12.8
3		5.5	1.5	45.5				3.4											
4				2.6		4.3													
5		0.2		48.6		8.8		13.7	17.6									43.1	
6		6.5				22.8		20.7										31.1	
7		76.6		57.5		18.8												7.7	
8		5.4																	1.6
9		1.2																	5.6
10		3.4	29.5					11.4											
11			6.1																16.5
12																			
13		5.5	0.4																
14		0.7																	
15		0.1			65.5														
16								3.4											
17				124.6															
18		0.8		13.5		2.9													
19		20.5	2.1																
20		21.4																	
21		0.2	2.2																
22																			
23																			
24		1.0	14.7																
25			0.3					1.4											
26		1.3																	
27		8.4																	
28		4.1	23.8																
29					10.9														
30					21.9	21.0													
31					3.0	2.0		38.4											
Total		165.8	82.6	268.7	285.1	290.3	108.7	177.6	118.7	244.3	133.8	58.5	195.9	2,130.2					
Maximum ①		76.6	29.5	124.6	65.5	156.2	38.4	71.0	38.4	67.7	43.1	21.9	78.0	156.2					
②		82.0	29.5	138.1	65.5	178.1	38.4	101.1	40.5	111.8	74.8	21.9	80.8	178.1					
③		88.5	25.6	128.1	65.5	181.1	38.4	121.2	40.5	111.2	81.9	21.9	80.8	181.1					
Rainfall days		8	4	5	8	5	5	7	7	9	7	4	7						

(Cont'd)		Year 1974												Total
		Observation Station Yacyreta (Unit: mm)												
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1														
2				24.0									12.0	
3			1.8	0.8							6.2			
4			22.2						20.2			13.2		
5									13.0			0.6		
6				5.0			4.6							
7			0.8				2.0							
8		16.2		2.6			92.0							
9		67.8	17.4			0.4								
10		30.8	1.3	1.2										
11					6.5							11.4	38.0	
12					2.2								2.0	
13			1.7											
14		8.5					0.8							
15			6.6	12.4			3.4	6.0			3.8		1.2	
16			1.0			5.6	1.4	1.0		1.0	0.4		6.4	
17						8.8		23.2		28.0				
18					39.0			7.0						
19							4.6							
20			72.5		17.2		39.0					12.0	2.2	
21											7.6		65.6	
22		14.6		1.2	53.2									
23						40.2	0.8				42.6			
24		10.0		29.0	9.2	9.0	5.4		32.6	4.4				
25		1.9				27.4				11.4		28.0		
26						3.6			2.0			1.4		
27									10.2			1.6	77.5	
28											2.4			
29														
30									14.2			2.6		
31			16.5											
			7.0											
Total		149.8	125.3	99.7	118.6	103.3	154.4	37.2	92.2	44.8	63.0	100.8	204.9	1,294.0
Maximum	①	67.8	72.5	29.0	53.2	40.2	92.0	23.2	32.6	28.0	42.6	30.0	77.5	92.0
	②	78.6	72.5	24.8	53.2	49.2	92.4	30.2	33.2	29.0	50.2	42.0	77.5	98.6
	③	114.2	72.5	24.8	62.4	76.6	98.6	31.2	33.2	29.0	50.2	42.0	77.5	114.8
Rainfall days		6	4	6	4	6	3	3	5	2	3	5	5	

(Cont'd)		Year 1975												Observation Station		Yacyzeta		(Unit: mm)	
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
	1		13.4		13.0	6.4	0.4				21.4								
	2																		
	3			9.5															
	4							8.0											
	5	5.0		37.0			23.0												
	6									2.0						21.0		0.6	
	7	5.3		5.0	82.0													0.6	
	8	33.0							15.0	2.6								3.2	
	9	19.0							31.2	8.6						1.8			
	10								4.4									40.2	
	11			43.7			2.0	46.4		0.6									
	12					11.0		0.8		5.0									
	13				3.0	27.0			1.0	0.4									
	14			6.7	1.0	0.2			0.6										
	15									2.4									
	16	42.0								3.2						40.4			
	17										3.4					1.2			
	18			26.2	8.0														
	19		38.3							40.2									
	20		2.4		32.8		0.6			10.8						10.0		4.6	
	21				88.0		64.4			35.0									
	22			12.6	1.0				14.2										
	23		28.0	0.7												48.4			
	24																		
	25		5.6						21.0										
	26									39.0									
	27	5.5								14.6								7.8	
	28			47.5	3.6													4.6	
	29				12.6	9.6	2.6		16.2							7.4			
	30									13.6									
	31																		
	Total	109.8	87.7	188.9	245.0	54.2	93.0	55.2	134.6	139.0	257.2	130.2	61.6	1,556.4					
	Maximum ①	42.0	38.3	47.5	88.0	27.0	64.4	46.4	13.2	35.0	135.0	48.4	40.2	135.0					
	②	52.0	40.7	47.5	89.0	38.0	65.0	47.2	25.6	45.8	174.0	42.4	40.2	174.0					
	③	57.2	40.7	47.5	89.0	38.3	65.0	47.2	50.6	86.0	197.4	48.4	40.2	197.4					
	Rainfall days	6	4	8	6	4	2	2	6	7	5	5	2						

(Cont'd)		Year 1976												Observation Station Yacyreta		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total			
Day	Month																
1		5.3		24.0	5.8												
2																	
3			1.0	1.8											17.0		
4			16.2	41.4	15.4										26.4		0.9
5		74.0		3.6											46.0		5.6
6				10.2													2.4
7		5.5															
8		10.1			2.2												6.6
9		9.8			2.5												
10		21.5															
11		12.7	1.0														
12				1.4													
13																	
14			6.4														
15		0.8	75.2												4.2		
16				8.8											14.4		34.4
17															76.4		
18				12.4	1.6										15.8		4.6
19		3.8		42.0	16.6										0.6		1.2
20		6.8	6.0	4.4													
21																	
22																	1.8
23																	
24															2.2		7.8
25		24.9															
26																	
27																	
28																	
29																	
30		3.6															
31		10.8													77.2		14.4
	Total	189.8	106.8	150.0	44.2	68.8	102.8	36.2	38.2	57.8	236.8	104.6	74.6	1,210.6			
	Maximum ①	74.0	76.2	42.0	16.6	48.4	88.0	25.4	13.6	38.2	77.2	33.2	34.4	88.0			
	②	74.0	82.6	46.4	16.6	63.0	88.8	25.4	24.2	39.8	92.2	59.6	34.4	92.2			
	③	74.0	82.6	58.8	21.2	63.0	88.8	25.4	31.0	39.8	106.6	76.6	24.4	106.6			
	Rainfall days	10	4	6	3	3	2	2	4	2	5	5	5				

(Cont'd)		Year 1977												Observation Station		Yacyreta		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
Day	Month																		
1		23.6				12.4							1.2					4.4	23.0
2		23.2																9.4	6.4
3		94.6													16.6			1.2	
4				2.2															
5				1.8		55.2													1.8
6			2.8			25.8													80.2
7					0.8	10.0													
8		1.7	11.0			1.0									3.4			60.2	
9		6.2				1.4									6.8			10.2	3.8
10		4.8													16.4			3.4	
11		1.0																	
12															1.8				
13		6.5		4.8											10.2				
14		13.2				7.6									0.4				
15						33.2									11.4				
16		60.3													0.4				
17		4.2			83.4														
18			17.0	1.6															
19				1.0															
20																			
21		14.2																	
22																			
23		1.6																	
24																			
25			9.6			30.4													
26			2.2																
27			1.6	1.6															
28			1.6	7.4															
29																			
30		7.4																	
31					10.0														
	Total	262.5	44.2	26.8	94.2	177.0	51.4	83.6	37.8	80.2	81.6	191.6	145.8	1,276.7					
	Maximum ①	94.6	17.0	7.4	83.4	55.2	17.4	37.4	17.0	56.4	19.0	60.2	80.2	94.6					
	②	117.8	17.0	9.0	83.4	81.0	33.0	38.4	23.4	67.8	23.8	70.4	80.2	117.8					
	③	141.4	17.0	9.0	83.4	91.0	40.0	40.8	23.4	67.8	26.6	73.8	82.0	141.4					
	Rainfall days	9	3	2	2	7	4	6	3	3	5	7	4	141.4					

(Cont'd)		Year 1980												Observation Station		Yacyreta		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
Day	Month																		
1				23.2	1.0					0.8						26.4			
2				5.4												2.8		7.6	
3																	1.0		
4			67.6										64.2				0.4		
5													14.2					26.4	
6																		21.2	
7						2.2	15.6					19.6						47.2	
8						1.0						3.4						47.8	
9							6.2	81.8										3.0	
10							3.8												
11				19.8		23.4												1.0	
12							5.2												
13						17.0	26.8												
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total				46.6	175.8	127.4	107.4	272.8	68.0	27.2	136.4	135.8	118.2	237.8					1,443.4
Maximum	①			21.9	63.2	32.6	48.8	81.8	30.2	19.6	64.2	50.8	52.0	47.8					81.8
	②			21.9	63.2	32.6	48.8	108.8	32.0	82.0	78.4	55.8	56.0	95.0					108.2
	③			21.9	63.2	47.8	48.8	131.0	32.0	88.0	78.4	55.8	56.0	116.2					131.0
Rainfall				2	4	7	5	8	3	1	5	4	6	9					
days																			

(Cont'd)		Year 1941												Observation Station Encarnacion				(Unit: mm)
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
Day	Month																	
1																		
2																		
3		46.1																
4		10.0																
5																		
6																		
7																		
8			38.4															
9			1.5			4.5												
10																		
11			34.2			0.6												
12						3.7	70.0											
13						4.0	16.5											
14						1.4	2.8											
15						42.9	34.0											
16			6.0				21.9											
17			12.5															
18						1.4												
19						16.0												
20						77.5												
21							41.5											
22			3.6			17.9	222.0											
23			1.2			44.6	1.0											
24						0.6	0.8											
25							2.6											
26							83.0											
27							14.7											
28							44.8											
29							71.2											
30							32.5											
31							17.6											
	Total		161.3			215.1	574.7			98.9		147.7	192.5	118.4	96.3	246.8	187.9	
	Maximum	①	46.1			77.5	222.0			34.6		44.2	52.5	69.3	36.2	77.7	52.6	222.0
		②																
		③																
	Rainfall days		7			5	10			4		5	6	3	5	7	7	

(Cont'd)		Year 1942												Observation Station Encarnacion				(Unit: mm)
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
Month	Day																	
1										57.6	8.0							
2										99.3								
3				7.5						8.0	0.8		38.2					
4			3.0	36.3			6.6		18.0				27.5					
5			9.2							3.3			33.0					
6																		
7					7.7					4.5								9.0
8					22.2					2.1								
9																		
10			0.6										11.4					
11																		
12							56.3											
13			8.5					31.0										0.5
14		22.0		19.3				93.8		18.5								57.0
15		11.2	5.3															13.7
16			2.1	31.5														
17								16.6			9.0		4.0					
18				19.2				54.2					21.6					
19		34.0		1.6														0.1
20				15.3									19.2					
21											1.9							1.6
22		3.2									1.0							
23		45.1																
24										14.3								
25																		27.8
26				12.7				55.8										
27		23.8		1.2				23.0										
28											3.3							
29											16.7							
30				3.5														
31											36.8							
	Total	139.3	28.7	178.0	165.8	291.2	208.8	77.5	154.9	190.8	150.9	50.0	70.8					
	Maximum ①	45.1	9.2	36.3	56.3	93.8	99.3	36.8	38.2	62.3	49.5	27.8	70.8					
	②																	
	③																	
	Rainfall days	5	3	9	5	7	5	4	6	5	7	3	2					

(Cont'd)		Year 1944												Observation Station		Encarnacion		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
Month	Day																		
	1			35.0				32.0							3.0				1.0
	2	1.5		1.0				7.7							5.0				50.0
	3	8.0																	
	4																		
	5	2.0				18.0							1.0						
	6																		
	7	1.5				26.0		30.0					14.0		9.0				
	8					2.0							12.0		29.0				1.4
	9					9.0									47.0				1.0
	10	1.0				52.0							10.0						
	11														6.0				
	12														1.0				
	13																		
	14	41.0	3.0												13.5				
	15														9.0				
	16			41.5															4.0
	17									1.0									
	18																		
	19																		
	20									7.0									
	21																		
	22	1.0		1.0						1.0									6.0
	23									20.0									
	24									20.0									
	25	1.5	66.0																
	26		5.0																
	27																		
	28																		
	29		29.0	19.0															
	30	4.5		4.0									2.5						
	31																		
	Total	62.0	173.0	101.5	61.0	58.0	118.7	19.5	38.5	89.5	148.0	63.9	77.5						
	Maximum	41.0	66.0	41.5	52.0	26.0	32.0	14.0	14.0	50.0	47.0	50.0	32.0						66.0
	②																		
	③																		
	Rainfall days	2	5	3	2	3	6	1	3	5	8	2	3						

(Cont'd)		Year 1945												Observation Station		Encarnacion		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Encarnacion	Total	Station	
Day	Month																		
1		11.0																	
2																			
3																			
4																			
5		5.5	8.0							7.0									
6				2.4	13.0														
7																			
8																			
9						18.0													
10						14.5													
11																			
12																			
13				79.0															
14						83.0													
15				19.5															
16																			
17				3.0															
18																			
19				12.0	21.0														
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total		37.5	99.1	173.1	51.5	115.5	10.0	138.8	80.8	132.4	140.0	148.9	155.6						
Maximum	①	14.0	47.0	79.0	38.0	83.0	7.0	49.0	31.0	63.0	50.0	49.0	71.5	83.0					
	②																		
	③																		
Rainfall days		4	4	3	2	3	1	5	5	5	5	7	5	5					

(Cont'd)		Year 1946												Encarnacion				(Unit: mm)
		Observation Station												Encarnacion				
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
1		1.9		21.0	1.0	0.3						3.0						
2				8.0														
3								16.0	14.0	64.0								
4			4.0										5.0					
5		3.5	6.8					12.5					35.0					
6		6.3					0.7			6.5								
7		18.0	18.0	1.5		2.4		4.0		1.5		57.0						
8		4.0	22.0	9.6		108.0		1.0										
9		2.5	48.0		12.5	5.0							60.0					
10			29.0		7.0	5.5		4.6					26.5					
11			12.7			2.0		1.0										
12		65.3				1.0		12.0	8.3	27.5			6.6					
13			32.0				11.0			47.5	25.5		49.5					
14																		
15			18.2								2.0							
16		23.5																
17		20.5				29.0							1.0					
18		1.0				72.3	22.0					17.0	6.0					
19																		
20									8.0					27.0				
21							54.0		5.0	6.6								
22		1.6				19.0		4.0		25.0		49.0						
23		104.0		6.0								1.0						
24		26.0					2.0											
25		50.0																
26			15.7								1.6	16.0						
27			16.6	17.0							55.0							
28			4.0			0.6			18.5		80.0	55.0						
29																		
30		8.0									1.0							
31		6.2																
	Total	324.3	227.0	121.1	62.0	291.1	90.7	41.6	67.3	79.1	291.6	198.0	216.6					
	Maximum	104.0	48.0	51.0	30.5	108.0	54.0	12.0	18.5	47.5	80.0	57.0	60.0	108.0				
	①																	
	②																	
	③																	
	Rainfall days	9	10	7	4	8	3	2	6	3	8	5	8					

(Cont'd)		Year 1947												Observation Station Encarnacion				(Unit: mm)
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
	1					59.1												
	2																	
	3																	
	4				2.9													
	5			12.7	72.7													
	6				4.0					17.5								
	7	3.5			97.3					0.7	1.0							
	8		69.0		26.7	71.5			2.0	5.0								
	9					67.8							1.0					
	10	1.0	8.0	9.8	8.3		5.0											
	11	30.0	1.5				14.5			1.0								
	12						4.0			3.6								
	13	41.0	27.0	1.2			83.5			1.5								
	14									2.0								
	15			1.0			1.0			42.0			7.0					
	16	17.0	1.2	35.0	27.7	120.0	130.0			12.0	43.0	28.0		3.5				
	17				11.6	48.0	16.0			10.0		2.0						
	18						0.3											
	19																	
	20																	
	21		7.0									2.5						
	22	3.5				3.0			17.0	58.0		2.6						
	23																	
	24						4.2	11.0			5.0							
	25							23.0										
	26							1.0	8.0									
	27				23.9			6.5	13.0									
	28	19.0			36.7		3.0				2.3							
	29											4.0						
	30			0.8				22.0	5.4	6.0								
	31							4.5										
	Total	161.0	113.7	60.5	311.8	369.4	261.5	68.0	43.4	141.8	68.8	39.1	11.5					
	Maximum	41.0	69.0	35.0	97.3	120.0	130.0	23.0	11.0	58.0	43.0	28.0	7.0	130.0				
	①																	
	②																	
	③																	
	Rainfall days	5	4	3	8	5	5	4	4	6	3	1	1					

(Cont'd)		Year 1948												Observation Station Encarnacion				(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
Month	Day																		
	1		3.0		14.2		23.0		41.0		38.0								
	2		35.0						3.0		5.0								
	3		177.0																
	4		8.5																
	5																		
	6		7.5																
	7		3.0																
	8		22.0																
	9		23.0																
	10		9.5																
	11																		
	12		25.0																
	13		44.0																
	14		3.0																
	15																		
	16																		
	17		13.7																
	18																		
	19																		
	20																		
	21		1.5																
	22		10.2																
	23																		
	24																		
	25		5.2																
	26		50.3																
	27																		
	28																		
	29																		
	30																		
	31																		
	Total		115.2	471.2	146.7	230.9	132.1	62.0	199.7	43.0	170.0	191.0	167.0	21.8					
	Maximum		50.3	177.0	53.0	39.0	37.0	58.0	41.0	38.0	26.0	54.0	54.0	13.3					177.0
	②																		
	③																		
	Rainfall days		5	12	5	9	5	1	7	2	10	5	7	2					

(Cont'd)		Year 1949												Observation Station		Encarnacion		(Unit: mm)
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
Day	Month																	
1																		
2				10.1		6.0				17.2					9.8			
3		8.2		4.1		9.2								3.3				
4		8.2												4.2				
5		71.2		2.5		22.8								12.3				
6		11.5	7.0			10.0												
7			7.3	11.4														
8																		
9		50.8																
10				4.2	14.2	22.0								3.8				
11				3.3										23.4	7.8		25.3	
12				5.0										1.8				
13														0.6				
14														19.8				
15		2.3												0.6	9.2		2.4	
16		22.2		59.8										8.6				
17				4.1														
18				45.3														
19			4.0	8.0														
20			1.0	2.1														
21		2.5		70.2														
22																		
23			1.0															
24				0.8														
25				0.5														
26																		
27		5.3																
28			15.7															
29																		
30																		
31																		
Total		182.9	36.0	266.5	68.7	71.5	220.7	86.3	59.4	130.0	134.1	94.1	196.1					
Maximum	①	71.2	15.7	70.2	38.0	22.8	74.0	36.0	29.6	33.3	43.5	34.0	86.5					
	②																	
	③																	
Rainfall days		7	3	8	3	5	8	5	4	6	6	5	6					

(Cont'd)		Year 1956												Observation Station Encarnacion					(Unit: mm)
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1			10.5				22.8	21.4											
2		0.1	2.7		2.4		7.4	19.4	2.2				3.2						
3			3.5		68.3	21.3		27.5		23.8									
4		12.5	11.8		91.8	1.0		22.0		13.4			2.4						
5		6.6			1.5								62.3						
6		0.6			38.7	32.6				7.4									
7					25.7														
8					49.8				5.1			30.2							
9									6.6										
10																			
11																			
12			0.2																
13				52.0			49.9	9.1		36.0	9.4								
14				0.4			7.8			9.2	2.5		5.8						
15									11.7	10.0									
16		9.8		19.3				80.0	19.0	9.5									
17		1.5		2.0							4.4								
18		5.5	28.9		3.7			57.3		21.0									
19		17.0			8.2					3.4									
20		4.6																	
21					4.8				16.2										
22				7.6	1.6														
23				12.3				30.3		2.4									
24											4.4	2.3							
25		16.4		2.6			33.0				2.5								
26				18.4	0.4														
27			9.4	18.6	4.3			20.3											
28			4.7																
29		15.9																	
30		7.3			7.3	3.6													
31		4.3		30.7		14.5		11.0	1.2										
Total		110.2	71.7	163.9	282.8	104.8	120.9	298.3	62.0	67.1	92.2	32.5	73.7						
Maximum	①	17.0	28.9	52.0	91.8	32.6	49.9	80.0	19.0	36.0	23.8	30.2	62.3	91.8					
	②																		
	③																		
Rainfall days		9	4	7	6	5	5	10	5	4	5	1	2						

(Cont'd)		Year 1957												Observation Station		Encarnacion		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Encarnacion	Station	Encarnacion	
Month	Day																		
	1	15.8	0.6	31.9			31.3												
	2	17.8			6.8		9.0												
	3																		
	4				5.0														
	5	15.8		13.6		2.4													5.6
	6	17.8				3.7													0.9
	7		14.9	20.0			1.0												0.6
	8	11.0	15.3				0.9												3.3
	9																		
	10						0.3												
	11						28.0	10.0											
	12	99.5					5.4	111.5											
	13	41.1			22.2				1.8										
	14			0.9	1.6														31.6
	15						6.8												
	16						3.3												
	17																		
	18		2.9																
	19		12.6																
	20																		
	21	3.2																	
	22																		
	23				29.4		18.8												
	24			14.3	26.7	75.7	28.4												
	25			2.6	38.8														
	26						13.0												
	27						33.2												
	28				78.0		12.5												
	29				0.9		1.8												
	30						4.3												
	31	4.4																	
	Total	192.8	46.3	83.3	209.4	135.8	144.0	163.5	92.9	309.0	276.1	119.7	72.9						
	Maximum ①	99.5	15.3	31.9	78.0	75.7	33.2	111.5	27.2	110.9	117.8	58.0	31.6						
	②																		
	③																		
	Rainfall days	5	3	4	7	4	7	5	5	8	4	5	5						

(Cont'd)		Year 1958												Observation Station		Encarnacion		(Unit: mm)	
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1		10.2						2.1	10.4	0.1	5.6		39.7						
2								3.3	6.6		13.5								
3								7.5			19.0	17.2	1.2						
4			34.2				4.0			40.0	3.5								
5			38.4						8.0	5.0	0.7		36.2						
6				0.7															
7					31.5				9.4			60.5	35.3						
8																			
9					6.6						14.3								
10				0.8	67.6	22.5	24.0			31.2	2.2		52.6					4.9	
11		7.8																	
12																			
13				14.8						1.1		61.1	70.4						
14				7.5								6.7							
15																			
16			115.7										3.2						
17							21.7												
18						23.5													
19		1.9							11.1			53.1	38.0						
20		7.3	67.7						14.6										
21		8.8				1.3				4.3									
22																			
23		1.2	61.5						2.6	4.0									
24																			
25			23.7							2.1									
26																			
27								7.3	0.8		1.5		0.7						
28							2.5	21.0	12.6		1.0	16.2							
29			29.4					2.6	1.0			67.0							
30								13.8											
31					63.0			13.2											
								48.5											
Total		37.2	341.2	53.2	162.1	53.9	52.2	119.3	77.1	89.8	63.3	321.9	282.2						
Maximum	①	8.8	115.7	29.4	67.6	23.5	24.0	48.5	14.6	40.0	19.0	67.0	70.4	115.7					
	②																		
	③																		
Rainfall days		1	6	3	3	3	2	6	7	3	4	8	6						

(Cont'd)		Year 1959												Observation Station		Encarnacion		(Unit: mm)							
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total											
Month																									
Day																									
1		6.6																							
2		32.9			22.7										28.5										
3					3.7										11.2										
4		53.3			2.7																				
5										5.0															
6										1.0															
7			7.8																						
8			31.0																						
9			100.0																						
10			27.1																						
11			68.2																						
12			232.1																						
13			32.6																						
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
Total		146.1	614.0	339.0	209.6	193.7	141.9	40.4	148.5	116.5	268.3	134.7	141.2												
Maximum ①		66.9	232.1	168.7	49.0	88.0	82.3	20.2	73.5	35.0	75.5	41.5	43.3												
②																									
③																									
Rainfall days		1	11	5	9	6	6	3	5	5	9	5	6												

(Cont'd)		Year 1962												Observation Station		Encarnacion		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Encarnacion			
Month																			
Day																			
1	7.5	20.0				10.6													
2	2.0	14.4		9.9		3.6												70.5	
3		4.0	4.2				3.2						29.0						
4																			
5			2.7				2.3						2.2					51.4	
6							1.0												
7	5.4												1.6						
8			42.8	51.4			6.2	1.7											
9							5.4	14.0											
10								11.8										23.0	
11					3.2														
12	25.2																		
13																			
14	52.4			47.4			1.0												
15			1.6				6.2	27.3											
16					2.5														
17					1.2														
18																			
19																			
20					20.9														
21					60.3														
22	14.0	43.1	15.4	18.0	17.0	4.0		7.5										40.0	
23	8.5		7.0		0.2													28.5	
24																			
25																			
26			23.8																
27			5.4		36.9														
28		13.8	15.0																
29			31.5																
30							1.6	6.9											
31	4.5																		
Total	119.5	122.5	149.4	126.7	142.9	18.2	26.9	69.2	146.6	40.3	119.9	93.5							
Maximum ①	52.4	27.2	42.8	51.4	60.3	10.6	6.2	27.3	45.8	29.0	51.4	70.5							
②																			
③																			
Rainfall days	6	5	8	4	4	1	3	5	5	2	3	2							

(Cont'd)		Year 1963												Observation Station		Encarnacion		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Encarnacion	Total	Station	
Day	Month																		
1					28.0							0.5					1.0		
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total		172.3	76.2	163.0	91.1	111.2	222.5	82.1	105.5	210.5	232.0	420.0	186.5						
Maximum	①	62.2	37.7	135.2	55.0	48.5	105.5	31.8	78.1	73.2	69.5	160.3	57.0						
	②																		
	③																		
Rainfall	days	8	4	2	3	3	3	5	2	7	8	8	6						

(Cont'd)		Year 1966												Observation Station		Encarnacion		(Unit: mm)
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
1			0.9							0.8	6.7							
2		1.3		29.8		4.1				10.2			29.6					
3				19.2					1.9		32.1		45.6					
4				1.1	25.0				3.8				53.0					
5			0.3	1.6		16.4			2.5				1.0					
6										5.8	3.4							
7		10.0								10.6		5.2	10.4					
8			13.6															
9		5.3										12.8						
10			2.9				0.7			7.8	31.5	78.5	4.7					
11			32.2							2.8								
12			0.4		3.3													
13			1.0				46.2			16.2			3.6					
14			19.4				41.6	11.7		9.0	50.6	6.0	15.2					
15			11.8				26.2	2.7					16.4					
16			27.4				7.6				6.6							
17		15.4	21.2										5.6					
18			2.7		47.0								0.8					
19		14.0	1.7								2.4							
20		25.0	38.2	58.9		6.1												
21		81.0					5.7		23.4		48.6							
22		31.6			13.5			25.7	15.4									
23		17.0	26.5	2.6	6.0							1.5						
24		56.2		11.0	0.2							7.0	32.5					
25											7.8		0.3					
26							0.6											
27		10.4					35.6		0.6									
28																		
29								30.1	1.2									
30				12.5				5.0										
31				0.5					5.0			6.0						
Total		267.2	200.2	137.2	95.0	26.6	163.6	75.2	53.8	53.0	199.9	119.7	220.5					
Maximum	①	81.0	32.2	58.9	47.0	16.4	46.2	30.1	23.4	16.2	50.6	78.5	53.0	81.0				
	②																	
	③																	
Rainfall days		10	8	5	4	2	6	4	3	5	8	6	8					

(Cont'd)		Observation Station Encarnacion (Unit: mm)												
		Year 1967												
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1		7.3							4.0	10.1		25.3		
2			3.1				18.9		0.5			1.3	18.6	
3		30.0		10.7			4.0			10.1	22.6			
4				0.2				6.8		8.6	13.2			
5							6.9				4.7			
6								9.3	5.0		1.7			
7								4.0			2.9			
8		70.2						10.7		0.3	3.6		29.6	
9							44.5							
10			11.0					0.4	7.7					
11									19.9	14.0	1.3	28.5		
12			0.4	17.5								2.5		
13														
14		0.2	1.5		0.3				5.1					
15			30.1				3.3				15.4			
16							1.8							
17												17.4		
18		35.5									0.9			
19						28.4		3.2		0.1	6.6		10.4	
20		11.0	66.8	3.0	1.7		3.2	29.8	29.3	0				
21		8.6	55.6	7.0		20.1		0.8	20.7					
22				3.8		11.1			63.7			5.0		
23			3.1		3.8				15.4					
24							6.1							
25		0.2												
26			3.3	18.7						1.8	3.2	8.8		
27			5.2	1.3										
28			35.6			7.6				0	6.5	0.6		
29						0.4	15.4			1.3				
30				45.5		2.4			5.9	4.9				
31													1.4	
Total		163.0	215.7	107.7	5.8	70.0	59.6	109.5	177.2	51.6	82.6	89.4	60.0	
Maximum	①	70.2	66.8	45.5	3.8	28.4	18.9	44.5	63.7	14.0	22.6	28.5	29.6	70.2
	②													
	③													
Rainfall days		6	6	5	0	4	4	5	9	4	5	5	3	

(Cont'd)		Year 1968												Observation Station		Encarnacion		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
Month	Day																		
1		1.0			4.6														
2		9.8																	
3																			
4																			
5																			
6																			
7			0.4																
8																			
9			8.2																
10			1.0																
11			30.5																
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total		117.8	56.8	77.0	103.9	8.7	104.5	119.9	46.3	149.1	283.6	107.4	206.7						
Maximum	①	60.0	30.5	20.7	69.0	8.1	41.6	51.6	13.8	57.5	69.5	58.0	138.4						
	②																		
	③																		
Rainfall days		6	3	5	3	1	4	5	5	3	10	3	5						

(Cont'd)		Year 1969												Observation Station		Encarnacion		(Unit: mm)			
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Encarnacion	Total	Station			
1		45.7			20.2	0.6			27.6			20.0									
2				0.1	0.4	12.8						0.2									
3					2.3																
4																					
5		10.5		12.0				1.3	0.2												
6		10.7	7.4					6.5	1.5												
7		55.7								4.5											
8			6.5					1.2				7.4									
9		07.2					2.6					59.5									
10		1.2										33.6									
11			21.0			67.4													26.6		
12			0.4						0.2										42.6		
13							5.0		21.5										3.4		
14		13.0	0.3				53.9												19.6		
15							6.5												1.5		
16			33.0																		
17			5.9				0.6														
18			11.5				12.2														
19			36.0																		
20					10.6																
21					1.2																
22																					
23																					
24																					
25																					
26																					
27			2.8																		
28			2.0																		
29			0.4																		
30		0.1																			
31		0.1																			
Total		225.0	144.0	204.8	103.1	162.5	92.9	39.0	54.4	101.3	121.1	169.7	108.0								
Maximum	①	87.2	36.0	102.0	49.0	67.4	53.9	30.0	21.5	33.4	66.3	59.5	42.6	102.0							
	②																				
	③																				
Rainfall days		6	0	5	3	6	5	2	2	4	4	7	4								

(Cont'd)		Year 1970												Observation Station Encarnacion				(Unit: mm)
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
Day	Month																	
1		19.2																
2		1.6																
3			33.5	9.9	1.8	21.5												
4						36.4												
5			2.8			28.7	7.7											
6		8.7	28.1				0.4	27.8										
7		2.8	8.9															
8		5.2		33.1														
9				0.9														
10							0.4											
11				96.0			4.0											20.0
12			7.0				1.2											40.6
13			20.2				14.8											
14			0.7				11.7											
15			2.5	4.8	3.0													
16				50.7			0.3											
17			9.6				7.8	24.2										
18				0.1			80.0											
19							27.3											
20				11.7			0.1											
21				1.3				20.8	0.8									16.5
22								0.6										8.4
23				2.0														
24																		
25																		
26																		
27							3.8											0.3
28								1.2	20.4									
29							0.9											
30		37.2							0.8									
31				22.5			0.6		0.3									
Total		74.7	113.3	233.0	10.1	202.1	87.0	56.5	72.9	181.6	195.9	110.6	156.7					
Maximum	①	19.2	33.5	96.0	3.8	80.0	24.2	27.8	27.6	46.3	46.8	91.6	40.6	96.0				
	②																	
	③																	
Rainfall days		4	6	6	0	6	5	3	4	6	9	3	9					

(Cont'd)		Year 1971												Observation Station		Encarnacion		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Encarnacion			
1	Day	25.2	0.2			57.1													
2	Month	1.0	1.0			0.2													
3		0.2		67.1														8.8	22.6
4		29.4		15.0														3.2	27.6
5																		4.9	
6																			
7		11.8																	
8		48.0	0.5																
9		1.4	11.5																
10		41.2		13.0															
11		5.1	2.3	0.4															
12		49.6		1.9															
13				5.1															
14			6.3																
15			90.6	102.8	1.0														
16			10.7	27.5	29.8	35.2													
17																			
18		1.1	0.2																
19				4.8															
20		8.0		0.4	12.6														
21		22.4		0.2	0.1														
22																			
23			17.4																
24																			
25																			
26				5.2		53.5													
27																			
28			3.2		4.6														
29																			
30		60.0			20.2														
31		2.3			0.7														
Total		305.7	143.9	244.2	70.3	155.9	213.3	73.7	54.1	36.4	30.0	20.7	136.1						
Maximum	①	60.0	90.6	102.8	29.8	57.3	48.0	21.8	26.4	12.2	13.1	8.8	73.1						102.8
	②																		
	③																		
Rainfall		10	5	7	3	4	8	5	4	3	2	2	4						
days																			

(Cont'd)		Year 1972												Observation Station				Encarnacion		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Station	Encarnacion	Station	Encarnacion	Total		
1		2.2	25.6		9.5		37.5		1.4			35.8	16.5								
2					15.7		0.8		16.2		16.0		6.3								
3		2.5					4.9		17.2				18.0								
4		3.4					40.5	9.4													
5		14.6					98.4	9.6		1.0											
6						3.2		32.7													
7						0.2	1.1					20.8									
8				32.5			35.8			24.8			7.0								
9			13.3	2.8			6.6														
10			26.2			4.7	14.4	8.8				27.0									
11				0.2			1.4	42.4													
12					21.2				4.0		77.4										
13			1.4																		
14					45.5			4.7													
15		0.6		15.5			16.8	0.6													
16		7.0		32.9			17.8	0.2	1.0	35.6											
17		2.8	16.6			12.2	17.2	24.3	1.1	0.5											
18		2.9	4.0			1.1		1.2	3.2	4.8											
19		10.4						2.4	25.9	85.4											
20								0.5	2.6	0	92.0		18.0								
21						30.8		24.5	10.4		10.1										
22						2.2					12.7										
23																					
24									83.1			68.5									
25				21.8	2.6			0.4	25.9	78.0											
26				0.2	5.0			16.7	10.2	35.7											
27				2.0							5.8										
28		6.6		0.4			38.2		10.5		12.2	85.0	19.6								
29						5.8					3.7	70.0	0.4								
30												40.8									
31																					
Total		53.0	87.1	108.3	99.5	60.2	331.6	127.2	263.9	268.8	229.9	303.9	85.8								
Maximum	①	14.6	26.2	32.9	45.5	30.8	98.4	32.7	83.1	85.4	92.0	85.0	19.6						98.4		
	②																				
	③																				
Rainfall days		4	4	4	5	3	10	6	10	5	7	10	6						6		

(Cont'd)		Year 1973												Observation Station Encarnacion				(Unit: mm)
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
1				20.0		107.6		0.4					2.0					
2						6.5												
3		3.0	0.3	69.8			1.2					2.3						
4							11.2	0.8										
5		30.5			67.2	23.5					29.4							
6		1.6	2.4		12.4	0.4	2.2				49.0							
7		53.5		68.8	2.4	9.6	9.4				1.0		12.0					
8		12.5			9.0		3.6					0.8	30.4					
9							18.2		3.5	15.0		4.1						
10		1.7	5.4						16.2	0	9.7							
11		5.0	36.5						0.1		33.4							
12			0.4				15.8		17.2	135.0	12.4							
13								10.0	22.0	38.0								
14		50.0						36.0		0.7			3.6					
15					19.8			9.9					95.0					
16								7.4		24.0								
17				42.4				0.2		9.0		9.6						
18				56.3						27.0								
19		17.4	0.7		10.2	3.4		10.4	9.4									
20		43.0						41.2	4.2									
21		7.4	4.6			1.0		1.0	20.5									
22							4.0	4.7	23.4									
23							2.8	0.5				14.0	0.5					
24																		
25		1.7	10.5				0.2		16.0				32.6					
26					21.8			2.1	0.4	4.6								
27		7.8				9.0												
28		19.4	10.8					3.5		0.8			4.7					
29		9.4			26.6	10.2				3.6			79.2					
30					18.0	28.4				24.6	2.7							
31							53.0				1.0							
								17.2			1.7							
Total		263.9	71.6	264.3	187.4	199.6	121.6	145.3	132.9	280.3	196.9	30.8	260.0					
Maximum	①	53.5	36.5	69.8	67.2	107.6	53.0	41.2	23.4	135.0	56.6	14.0	95.0	135.0				
	②																	
	③																	
Rainfall days		11	4	5	8	7	5	7	7	7	6	2	5					

(Cont'd)		Year 1974												Observation Station Encarnacion				(Unit: mm)
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
1				8.7														
2			1.7	5.4					61.0		2.4	26.4						
3			22.0						44.6			6.5						
4									0.4									
5							0.2											
6							5.5											
7		5.0	18.5				3.5											
8		4.5	22.2	9.0			56.5											
9		10.0		1.0			15.4											
10		10.2																
11						4.4						6.5	55.8					
12						4.8							4.0					
13																		
14		8.0	0.2				5.2											
15			4.8	32.6			8.8	6.0										
16			2.2				3.6	0.1		0.8	2.6		22.6					
17						47.2		11.6		15.6								
18		13.0			14.2			13.6										
19																		
20			39.8		49.2		49.6					0.6						
21			0.5		7.8							34.4	2.2					
22			1.1		10.0							40.4	85.6					
23		8.2		9.0		21.6					1.8							
24		5.4		2.2		16.6	31.0		25.6		54.6							
25		50.5				109.4				2.0	8.6	64.0						
26						2.2						3.4						
27									6.2				16.6					
28									6.0									
29									0.4		0.4							
30				0					39.6									
31				7.0														
Total		114.8	113.0	74.9	81.2	206.2	179.3	31.3	183.8	19.4	70.7	182.2	186.8					
Maximum	①	50.5	39.8	32.6	49.2	109.4	56.5	13.6	61.0	16.6	54.6	64.0	85.6	109.4				
	②																	
	③																	
Rainfall days		8	4	6	4	4	7	3	6	1	2	6	4					

(Cont'd)		Year 1976												Encarnacion		Observation Station		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Total	Total			
Month	Day	3.0	24.2																
	1																		
	2																		
	3	15.0																	
	4		47.2	8.6	47.5														
	5	22.0		1.6	2.0														
	6	7.0		8.0															
	7	8.0																	
	8	1.6																	
	9	33.6			5.8														
	10	54.6		0.4	9.5														
	11																		
	12			8.0															
	13			5.0															
	14																		
	15		2.0																
	16			11.6															
	17			2.0															
	18			10.2															
	19			78.2															
	20	34.6	5.2	0.4	9.1	1.5													
	21																		
	22																		
	23																		
	24	0.4				1.0													
	25	26.8																	
	26																		
	27	2.0																	
	28	2.6																	
	29																		
	30	21.6																	
	31	4.6																	
	Total	237.4	78.6	135.0	73.9	114.6	68.9	123.0	64.4	101.6	220.4	157.6	128.5						
	Maximum ①	54.6	47.2	78.2	47.5	42.4	55.5	83.2	40.2	47.2	58.0	56.4	56.2						
	②																		
	③																		
	Rainfall days	9	3	7	4	4	2	3	2	3	8	6	5						

(Cont'd)		Year 1977												Observation Station Encarnacion		(Unit: mm)
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total		
1				0.4					2.0			22.2	35.2			
2		26.2		0.1								15.2	28.2			
3		80.2									22.2					
4					0.2											
5				8.2												
6			0.6			7.2							0.2			
7			5.8		1.4	46.2	1.0	0.2					38.0			
8		1.6		0.3		13.2		6.0								
9		2.0			5.2	0.2		27.4				30.2				
10		13.0	91.8					2.2				18.2				
11		1.6							1.4			21.2				
12		25.2	1.8						22.2							
13		1.0		5.0	1.8			3.2		0.1			25.0			
14		6.0						14.2		2.2						
15				3.2		43.2		9.0	3.0	34.2						
16		0.1							1.2	28.4						
17		4.0			34.2				1.0							
18			1.2	2.2	0.2		22.0									
19							24.0	0.2		2.2			1.2			
20			4.4	1.0			42.2	1.0								
21		28.0	4.5				23.2									
22									25.2							
23							11.2			0						
24																
25						18.0					14.3					
26				7.0							3.0					
27								8.2								
28				62.4												
29		1.2				22.2				2.0						
30		22.2		1.6						0.3						
31								31.2					36.2			
Total		212.3	110.1	91.4	43.0	150.2	123.6	123.0	56.0	69.4	77.5	197.2	178.2			
Maximum	①	80.2	91.8	62.4	34.2	46.2	42.2	31.2	25.2	34.2	27.2	36.4	38.0	91.8		
	②															
	③															
Rainfall days		7	2	4	2	6	5	7	2	2	4	10	6			

(Cont'd)		Year 1978												Observation Station		Encarnacion		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1			13.2	21.4															
2			81.4					0.2											
3			13.3							0		32.2						33.2	
4										2.0	7.2	13.2						12.4	
5										0								4.2	
6								0.2											
7							0.7			5.0									
8		2.6							1.2		6.2								
9									3.2		8.2	5.0							
10				16.2				10.4	43.2										
11								0.1											
12		8.2					1.6		1.0		2.0							17.0	
13		24.2					0.2			35.2	3.2							28.4	
14			1.4																
15			2.2			15.2		29.4		4.2									
16					28.6		4.0												
17						26.6	26.6	20.2											
18						8.0	8.0	26.2											
19		0.2			5.0		0.4	4.4			0.4	29.2							
20		16.2					13.0	11.2		27.2		33.2							
21				15.0								20.2							
22									1.0			8.2							
23																			
24		0.2							1.2									31.2	
25				0.4					5.2		2.1								
26		24.0	2.5	0.4				18.0		3.2	18.4	13.2							
27								0.1		2.0	0.1								
28				45.0				12.2											
29					10.0														
30					10.6			3.2			38.2								
31									10.2		17.4								
Total		75.6	114.0	100.4	25.6	43.8	66.5	143.2	60.0	78.8	105.6	154.4	129.8						
Maximum	①	24.2	81.4	45.0	10.6	28.6	26.6	29.4	43.2	35.2	38.2	33.2	33.2	81.4					
	②																		
	③																		
Rainfall days		4	3	4	3	2	4	8	2	3	6	8	5						

(Cont'd)		Year 1979												Observation Station Encarnacion		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total			
1								31.2			1.2						
2				37.0	21.4												
3				3.0	25.2				42.4		2.0						
4				14.0			18.2				7.8				85.4		
5				73.2	36.2				8.2		12.2						
6			0.4			4.4	5.2	2.0							44.4		
7				30.4	0.4	21.2	3.0				1.2	24.2	0.4				
8			16.0		34.2				0.4			1.2	16.4				
9					3.2					11.2							
10			13.0						17.4								
11			76.6			14.4									12.4		
12			36.2		1.2					50.2					25.0		
13				2.2	1.5				42.0		36.2				14.4		
14					78.2										5.5		
15					1.8			0.4	22.4						0.4		
16			103.2		24.0				28.2			5.2					
17			1.4		15.3			5.0	8.0			37.2			10.5		
18						34.2		3.2									
19															13.4		
20			1.0														
21						8.2				15.2							
22			9.6	3.4		1.2					63.2	0.4					
23			9.2				1.0				3.0	1.4					
24							0.2	4.6			77.2						
25								9.6	20.2	20.2	6.2	4.2					
26																	
27		27.4	45.2	0.2							106.6						
28			25.0						4.4	83.0	15.2				15.4		
29					5.2					15.4	33.2				21.4		
30							1.0					35.2					
31																	
Total		27.4	320.8	125.4	220.6	143.6	46.8	64.2	191.6	195.2	365.2	109.0			315.4		
Maximum	①	27.4	103.2	73.2	78.2	34.2	21.2	31.2	42.4	83.0	106.6	37.2			85.4	106.6	
	②																
	③																
Rainfall days		1	8	3	7	6	3	4	8	6	9	4			12		

(Cont'd)		Year 1981												Total		
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.			
Day	Month	Observation Station Encarnacion (Unit: mm)														
1																
2						32.4						0.1				
3						14.2						0.5			6.8	
4												0.5	2.2			
5																
6						24.8							3.2	103.0	13.0	
7						11.2				14.2				34.2		
8																
9																
10						26.2										
11								3.0								
12								0.6								
13												57.0				
14												53.0				
15												3.0		0.2	46.2	
16																
17								4.6								
18													0.2	12.2		
19								1.8						12.0		
20												10.0			2.2	
21												4.2			53.2	
22																
23						41.4						23.2			23.2	
24												8.2				
25																
26													48.0			
27													4.0			
28										0.2				18.0		
29												6.4		7.2		
30										27.0				28.0		
31											2.0			22.0		
Total						154.2		10.0		41.4	166.1	57.6	243.6	139.0		
Maximum	①					43.4		4.6		27.0	57.0	48.0	103.0	53.2		
	②															
	③															
Rainfall days						6		0		2	6	1	9	4		

(Cont'd)		Year 1982												Total			
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.				
Month																	
Day																	
1		0.6															
2						0.3											
3		5.0				7.0											
4		1.0										0.6					
5												1.6					
6												9.8					
7	8.4											1.0					
8		12.0				3.0											
9		4.0				28.0											
10		134.2			4.0	5.0											
11		36.2			5.0	50.0						1.0					
12												0.2					
13		15.4			15.0							1.0					
14				71.2	4.5	10.4											
15						25.7											
16												36.4					
17		0.4				74.0						58.4					
18																	
19		12.2			0.2												
20		2.0			27.5												
21	1.3	25.0		0.5													
22		2.0				1.4						0.7					
23						0.1											
24																	
25																	
26			14.4														
27			14.2			8.6											
28		26.5				39.0						17.6					
29																	
30																	
31		0.2															
Total	9.9	276.5	100.3	56.2	89.4	226.1	128.3										
Maximum	8.4	134.2	71.2	27.5	74.0	50.0	58.4										
①																	
②																	
③																	
Rainfall days	1	8	3	3	3	9	4										

(Cont'd)		Year 1956												San Juan Bautista		Observation Station		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Jan.	Feb.			
Day	Month																		
1			15.8			25.0				7.0									
2										14.1									
3		2.0								23.4									
4		10.6			42.4	17.6							49.5						
5		53.3				1.0			0.7					4.2				55.5	
6		3.4			33.3	16.9			1.8									15.0	
7						12.0			0.3					20.2					
8			29.3												18.3				
9			2.8											28.3					
10		7.1			76.3								4.2						
11										2.4			5.6						
12																			
13				74.2															
14		56.0		21.6					14.9	0.2				7.7	7.1				
15		30.3							0.8	30.7				0.4	10.5				
16				18.3										4.5	3.4				
17				58.2															
18		2.4	27.9		8.4														
19		1.5			1.5														
20																			
21			2.8		3.6														
22		4.6			14.1					17.1									
23		10.5		6.3	0.2					3.2									
24		14.0		1.7										16.3					
25																			
26									49.0										
27			1.9	31.5	18.6				0.6	0.3									
28			17.8	1.8															
29			1.2																
30																			
31				27.4															
Total		198.9	104.6	241.0	198.4	124.5	68.1	98.4	42.9	61.4	152.0	77.8	70.5	76.3					
Maximum ①		56.0	29.3	74.2	76.3	32.0	49.0	30.7	33.1	28.3	49.5	59.5	55.5						
②																			
③																			
Rainfall days		7	5	7	6	6	2	5	2	3	7	2	2						

(Cont'd)		Year 1957												San Juan Bautista		(Unit: mm)		
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Total			
Month	Day	9.4	4.1	8.7			27.4											
	1	1.5	3.5		2.3		21.6											
	2																	
	3																	
	4	14.6																
	5	5.0			1.7	4.7												9.2
	6	0.9	11.6	1.6														
	7		67.1	22.4														
	8	20.5		21.4														
	9																	
	10																	
	11						32.5	7.5										
	12						33.6	24.2										
	13	86.3	13.2		46.4			36.3										
	14		3.9															
	15																	
	16																	
	17																	
	18			2.4														
	19																	
	20																	
	21																	
	22																	
	23	9.8	2.3		104.2	8.2												
	24	61.3	10.9		1.3	41.4												
	25		0.6		96.0													
	26				2.3													
	27						8.1											
	28				5.0		0.3											
	29				53.3	0.2												
	30	53.2																
	31	8.9					1.5	13.1										
	Total	271.4	117.2	56.5	312.5	54.5	125.0	83.2	61.3	181.8	68.4	96.6	226.3	104.2				
	Maximum	86.3	67.1	22.4	104.2	41.4	33.6	36.3	30.9	56.9	31.0	58.2	104.2					
	①																	
	②																	
	③																	
	Rainfall days	9	3	3	5	2	5	4	4	7	3	3	7					

(Cont'd)		Year 1958												Observation Station		San Juan Bautista		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1		16.6				12.1		2.3	10.1	6.0	2.8		12.8						
2								35.0	1.7				0.9						
3											10.9	14.1							
4										20.5	8.5	1.4							
5							43.6			24.4	9.0		34.8						
6			14.9	29.5					6.4	3.4	1.1								
7									7.8										
8					41.9														
9											5.3	75.3							
10		1.0				1.5					22.2								
11				27.7	102.8	5.8	2.0			24.6			7.4						
12				2.3	50.6	9.8							2.6						
13		6.8																	
14				41.0									4.4						
15		10.3	93.6	3.0			37.8					19.1							
16											0.5	15.8							
17													50.9						
18						19.8						0.6							
19									20.2										
20			8.3							3.2									
21										10.7									
22		24.6								37.5	3.2								
23		1.5	78.4									1.6							
24												23.1							
25			15.8																
26																			
27								3.7			4.3		1.1						
28				3.8	4.9		5.7	6.4	14.3			6.6							
29				38.5				3.8	5.7			11.0							
30								0.6											
31								8.1		0.7									
	Total	62.5	211.0	145.8	200.2	49.0	89.1	113.9	66.2	131.0	67.8	206.1	124.9						
	Maximum	24.6	93.6	38.5	102.8	19.8	43.6	54.0	20.2	37.5	22.2	75.3	34.8	102.8					
	①																		
	②																		
	③																		
	Rainfall days	4	5	4	3	4	3	4	6	6	5	7	4						

(Cont'd) Observation Station San Juan Bautista (Unit: mm) Year 1959

Month	Jan.	Feb.	Max.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Day 1							18.6	0.2					
2										22.5			
3	51.3			27.6						6.6		44.2	
4	2.5	4.4		21.7		2.1				7.8			
5		15.1			16.2			26.1		73.3			
6		47.2		10.2						9.4			
7												39.6	
8										8.1			
9				15.1	29.6				19.6	26.7			
10									62.0		20.3		
11		24.1								55.0	28.1		
12		15.1	46.7										
13		87.0								39.8			
14		10.1								0.4			
15			46.4										
16	39.8			3.7	34.9						42.8		9.0
17			20.7										
18													
19		0.7							32.7	12.1			
20				81.4		4.3	4.7			26.6			
21		13.1		39.0		21.8						43.7	
22				57.5				0.6	6.8				
23								3.1					
24													
25				9.9		10.2			60.3				
26								7.1	6.2				
27			19.1		14.1			45.3		10.6			
28	70.5	10.2						35.2					
29							21.6				25.3		
30	15.3				16.8		0.4						
31							17.2						
Total	181.4	227.0	132.9	266.1	111.6	38.4	62.5	117.6	187.6	208.4	207.0	143.0	
Maximum ①	70.5	87.0	46.7	57.5	34.9	21.8	21.6	45.3	62.0	55.0	73.3	44.2	87.0
②													
③													
Rainfall days	4	8	4	8	5	2	3	4	6	9	7	5	

(Cont'd)		Year 1960												Observation Station		San Juan Bautista		(Unit: mm)			
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total							
Day	Month																				
1			0.9		8.2													5.2			
2					62.8														39.3		
3					4.1														22.6		
4																					
5																					
6					0.4																
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Total		40.3	69.7	42.6	110.1	45.8	100.6	91.4	6.0	125.6	290.8	136.5	81.6								
Maximum	①	20.9	34.1	18.0	62.8	21.4	24.3	34.1	2.0	64.7	46.2	38.5	47.2							64.7	
	②																				
	③																				
Rainfall	days	3	4	3	3	2	5	6	0	4	11	5	3								

(Cont'd) Observation Station San Juan Bautista (Unit: mm) Year 1961

Month Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1		5.1	2.0	25.0							0.7	55.0	
2		66.4		30.0	10.0				1.7				
3			36.7						52.4				
4			2.0						24.1		5.2		
5	41.2				76.5								
6	32.7	30.8											
7		28.3											
8	1.4			63.2		69.4						36.5	
9	5.2		0.4	3.6			0.6		1.1		31.2		
10			40.0			2.6	45.2		1.7				
11		12.4	97.6	48.5						25.5	0.4		
12			5.5	42.7		1.6				2.3			
13		1.6		8.1				1.8					
14									10.7				
15			17.9	0.6	0.7			14.5		24.7		9.6	
16			1.0		3.8					64.2			
17							0.2						
18							14.0	4.2		30.7	41.4		
19						52.5	24.1			25.6	5.0		
20							36.3				16.6		
21	27.1	19.0		20.3				9.3	34.0		5.8	1.1	
22											39.2	1.5	
23													
24													
25							16.8	20.3	43.6		96.7		
26		43.9	19.4										
27									4.4				
28			10.6					0.7	21.0				
29													
30													
31													
Total	107.6	207.5	233.1	242.0	92.0	126.1	137.2	50.8	194.7	173.0	242.2	103.7	
Maximum ①	41.2	66.4	97.6	63.2	76.5	69.4	45.2	20.3	52.4	64.2	96.7	55.0	97.6
②													
③													
Rainfall days	4	7	7	7	2	2	5	3	6	5	8	3	

Observation Station **San Juan Bautista** (Unit: mm)

Year **1963**

(Cont'd) Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1												12.3	21.0	
2					28.3								1.2	
3				1.0	15.0								17.6	
4				9.3			6.2		4.6				99.4	
5											28.2	40.8		
6											1.8	88.7		
7	28.4									2.3				
8	0.3			25.3	2.8					9.4				114.7
9				1.0						2.6		39.4		
10	27.4						16.3					3.4		
11						44.0								
12						0.5								
13						78.8		12.0				7.2	1.2	
14			25.0		2.2		50.4		28.5		1.2			
15				2.7	79.5		66.7	1.3						
16											7.6			16.4
17												8.1		24.8
18														
19														
20														
21	0.8			20.7				39.0			21.8			
22	52.0								1.8		1.2			
23				11.7							4.8			
24											25.1			
25											57.4			
26														
27	27.3			3.7							17.6			
28	28.7										1.7		1.8	
29	70.7										43.4		11.6	
30													0.8	
31														
Total	235.6	41.3	127.8	74.4	146.3	139.6	34.9	52.3	34.9	141.8	114.6	314.6	220.4	
Maximum	52.0	25.0	79.5	79.5	78.8	66.7	28.5	39.0	28.5	57.4	43.4	114.7	99.4	114.7
②														
③														
Rainfall days	6	3	4	3	3	4	1	2	1	5	5	7	7	

(Cont'd)

Year 1964

Observation Station San Juan Bautista

(Unit: mm)

Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1									22.2					
2			1.8	23.5									2.2	
3			3.2				17.6							
4							7.4							
5				53.0										
6					0.8									
7		103.8								13.7				
8			14.6											
9										31.6				
10														
11						0.2							11.4	
12						5.0							28.4	
13														
14				17.7					11.2					
15			34.6						9.0					
16					91.2			8.0	6.2	2.4				
17					30.5							5.2		
18											9.8	13.0		
19					40.6							9.8		
20					31.0					9.8	6.2	36.2		
21					28.2		3.2		7.2		1.2			
22					6.0									
23					42.4			24.2						
24					8.2			15.4	51.0	0.4				
25														
26		10.8												
27				32.8										
28				12.4	18.2				3.0	22.2	22.6		7.4	
29											17.2		0.8	
30		7.7							3.8	40.4	13.9	4.6	76.5	
31					5.7							1.2		
Total		122.3	54.2	224.5	260.4	5.2	28.2	47.6	113.6	128.9	70.9	70.0	142.0	
Maximum	①	103.8	34.6	53.0	91.2	5.0	17.6	24.2	51.0	40.4	22.6	36.2	76.5	103.8
	②													
	③													
Rainfall days		3	2	7	9	1	2	3	6	6	5	4	5	

(Cont'd)		Observation Station San Juan Bautista (Unit: mm)												
		Year 1966												
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1														
2		1.2		11.5										
3				26.6		25.3			5.8		8.2		9.2	
4				12.5	8.6	1.6			2.2				0.8	
5			8.4			1.2							24.2	
6						4.0				1.2				
7										10.2				
8			74.7									22.2		
9		6.0										49.0		
10												6.8		
11										0.4	15.4	18.5		
12										6.4	9.8	2.6		
13							47.4	0.8						
14							87.2	2.7		15.4	31.0	25.2		
15							17.6				1.0			
16											12.6			
17		14.8	6.0										2.2	
18			39.8											
19			74.8											
20			58.0		40.6			2.4						
21		6.8	0.8											
22		7.0	64.8	73.2		3.6								
23		32.4					3.2	1.0	0.6		65.7			
24		28.0	2.6		60.3				24.0					
25		38.2	9.6										4.2	
26				11.4										
27			47.8					3.8			9.0	50.8		
28		14.3								3.2				
29							18.2	2.6						
30		6.2						19.2						
31												10.7		
Total		154.9	387.3	172.0	109.5	35.7	173.6	34.3	32.6	40.5	153.5	185.8	46.0	
Maximum	①	38.2	74.8	73.2	60.3	25.3	87.2	19.2	24.0	15.4	65.7	50.8	24.2	87.2
	②													
	③													
Rainfall days		9	9	6	3	1	4	1	2	1	7	7	3	

Observation Station **San Juan Bautista** (Unit: mm)

Year **1967**

(Cont'd)

Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1		47.0					29.2		4.6		36.7	21.1	13.8	
2											6.2	18.8	6.4	
3		78.6		6.0				24.5			40.3			
4		2.0		10.0										
5				9.0			3.2							
6											38.0			
7								76.7			3.0		4.2	
8		89.2	11.9											
9								45.0						
10									6.1					
11									1.5		4.5	18.0		
12			3.4						17.4	8.4		4.6		
13								1.0						
14														
15											4.1			
16			21.0					0.4						
17														
18		17.2									1.3			
19								2.0		1.0	16.2		15.6	
20		13.0			8.0		2.0	22.2				1.2		
21		4.8		67.4					44.4			27.4		
22									2.2					
23					10.8							13.4		
24			16.2											
25			48.4							3.5				
26			8.4	8.6										
27				39.3										
28														
29			48.2								2.2			
30							11.2			5.6				
31									1.1					
									3.9					
Total		246.8	157.5	152.5	18.8		45.6	171.8	81.2	18.5	152.5	104.5	40.0	
Maximum	①	78.6	48.4	67.4	10.8		29.2	76.7	44.4	5.6	40.3	27.4	15.6	78.6
	②													
	③													
Rainfall days		5	6	7	2		2	4	3	2	5	5	3	

(Cont'd)		Year 1968												San Juan Bautista		Observation Station		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1		19.7																	
2		25.7																	
3									1.0										
4								42.6	0.2										
5							29.1	0.6											
6																			
7						24.6	2.8	15.2	24.2		7.2	6.6	6.8						
8						1.0						1.2							
9											34.9	9.4							
10											42.4	1.4							
11			25.8							9.6									
12			43.0							1.2									
13			25.7																
14		62.5				3.2													
15																			
16																			
17											18.0								
18								7.6											
19								6.9	17.2										
20		93.1			33.2			10.4	5.4	9.6									
21				39.8				22.8	2.7								19.6		
22				112.0															
23			14.0	27.8						1.2									
24							10.4			4.8									
25							4.0			11.5									
26		4.0																	
27		18.0								18.2	21.8	58.4							
28		31.2			33.5					52.4	53.8	3.0	22.5						
29		2.0			3.2					17.2	8.3								
30		18.0								106.3									
31																			
Total		274.2	108.5	179.6	69.9	28.8	46.3	83.3	70.8	110.9	359.4	80.0	71.3						
Maximum	①	93.1	43.0	112.0	33.5	24.6	29.1	42.6	24.2	52.4	106.3	58.4	22.5	112.0					
	②																		
	③																		
Rainfall days		7	4	3	2	1	2	5	4	5	9	3	5						

Observation Station San Juan Bautista (Unit: mm)

Year 1969

(Cont'd)

Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1		48.4			84.5				25.7			13.2		
2						5.6								
3				27.2	1.2									
4					12.2									
5														
6		8.8						12.8	6.2					
7		62.4										40.2		
8		25.2										83.2		
9		65.4					0.8							
10		112.6			4.2									
11		44.0				5.6			1.4				8.8	
12			47.0			16.8	47.8		12.0				31.2	
13							8.2							
14		15.2	3.2				2.2							
15														
16			14.7				16.6							
17														
18			40.6						0.8					
19														
20				3.8	12.2						93.4			
21						41.2								24.5
22														2.3
23									1.2					
24														
25						100.6				49.8				38.2
26			8.2											
27				19.4	33.7					7.4				
28			48.2	3.4		20.8	2.4			23.4				
29						67.6				18.6				
30						7.2				1.2				
31		0.2		85.4				10.8						
Total		382.2	161.9	148.4	148.0	265.4	78.0	23.6	47.3	100.4	145.9	232.2	76.0	
Maximum	①	112.6	48.2	85.4	84.5	100.6	47.8	12.8	25.7	49.8	93.4	83.2	31.2	112.6
	②													
	③													
Rainfall days		9	5	4	4	8	3	2	3	4	3	5	4	

(Cont'd)		Year 1970												Observation Station		San Juan Bautista		(Unit: mm)	
		Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total				
Day																			
1				4.3	4.2										55.2		73.4		
2				4.0															
3						3.4													
4		42.2			7.4				1.8										
5						32.4			7.4										
6		11.2	112.8				5.6	10.6	12.4	4.5									
7			1.8							24.8									
8		0.8		10.4							14.0								
9		8.2					1.6										17.4		
10				24.1			30.2												
11				16.6			21.6					13.1						32.6	
12												25.8	17.6	21.4					
13				8.2			31.1					1.6							
14		3.4		5.8															
15				50.2	1.8														
16				1.2													40.2		
17						13.6											0.8		
18						68.9												28.0	
19						41.2			1.8			69.2	4.2						
20				5.6				6.8					3.4					54.2	
21				4.2						19.8								14.2	
22																			
23																			
24																			
25		8.8																	
26												3.0							
27												13.3							
28																			
29		14.6							10.2			20.0	1.6	22.2					
30												33.2	1.8	28.4	0.8				
31				10.4									13.3						
Total		47.0	156.8	145.0	8.2	166.9	107.4	29.4	41.4	208.5	174.7	178.2	224.8						
Maximum	①	14.6	112.8	50.2	4.2	68.9	30.2	10.6	19.8	69.2	63.6	73.4	54.2					112.8	
	②																		
	③																		
Rainfall days		4	2	8	5	5	6	3	3	7	5	4	7						

Observation Station **San Juan Bautista** (Unit: mm)
 Year **1971**

(Cont'd) Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1		22.2				82.8						2.2		
2				5.4		2.8							39.2	
3		1.6		8.8	1.4			10.6			20.5		40.2	
4		61.9		73.2		5.2								
5							26.5		0.6					
6				13.8			2.0		1.0					
7		36.2		13.6	17.8		6.2		4.4					
8		30.4			26.0		0.5		1.2				15.2	
9			4.0	22.0				56.6		16.2				
10		21.0		0.6							22.6	15.2		
11		12.2	1.0						19.8	14.7				
12		86.6	4.0	13.8					1.8		0.6	1.4		
13			2.6											
14			27.4	120.4	1.5									
15				20.6	20.4	1.5								
16						0.5								
17													1.8	
18		39.8												
19			4.5	1.4							25.6			
20				34.6	13.4									
21		3.6		7.7	4.2		1.7							
22		2.4					45.0		14.2	8.9			0.5	
23			34.6			43.7					3.2			
24			1.6											
25				9.8										
26							1.0	2.0						
27					4.4		0.6	26.2						
28							16.2							
29					57.4									
30		30.4			27.8									
31		11.4					1.4					23.9		
Total		359.7	79.7	345.7	174.3	136.5	101.1	144.8	45.2	39.8	83.3	42.7	96.9	
Maximum	①	86.6	34.6	120.4	57.4	82.8	45.0	56.6	19.8	16.2	25.6	23.9	40.2	120.4
	②													
	③													
Rainfall days		10	2	12	6	3	4	4	3	3	4	2	3	

(Cont'd)		Year 1972												San Juan Bautista		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Total		
Day	Month																
1		4.9	19.2		40.1								2.8	9.2	25.0		
2		2.0			23.2			11.2					1.6		40.0		
3		6.8				10.8		7.8							81.4		
4		2.1				16.8		5.4									
5						57.2			3.6								
6						19.8		5.2									
7			4.0	1.4										69.4			
8															54.4		
9			0.8	17.8		43.6								4.2			
10			44.2		2.0	39.6									2.4		
11						81.2								9.0			
12						2.8		169.2						33.4			
13					0.5	3.8											
14		1.4			17.0								64.2	39.2			
15		6.5				47.8											
16		31.7				11.8		2.6	33.0					15.2			
17			5.4	14.8		13.8	1.0										
18		5.8	9.2	6.6				14.0									
19		7.7															
20		3.3							56.4								
21					5.4	13.1		5.1		10.0					7.2		
22						1.0				110.0							
23										25.2							
24								22.5						65.6			
25			9.2	22.8	10.0			17.5									
26			0.8		9.6			11.8									
27								4.4									
28		9.2				1.5											
29						9.4											
30																	
31																	
	Total	81.4	92.8	84.6	105.8	47.8	359.9	34.2	261.7	141.4	229.8	289.0	244.6				
	Maximum	31.7	44.2	37.8	40.1	27.2	81.2	19.2	169.2	56.4	110.0	69.4	81.4	169.2			
	①																
	②																
	③																
	Rainfall days	6	5	4	6	2	11	3	8	3	6	9	6				

(Cont'd) Observation Station San Juan Bautista (Unit: mm) Year 1973

Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1						50.0		0.4				8.6		
2						2.2								
3		30.2	4.8	10.8			12.8					1.2		
4				1.4	31.5		4.1				43.0	1.9		
5		38.9				6.6	9.9	76.4			68.2			
6						16.8	0.4				3.8		42.2	
7		7.8		37.0	8.2	0.4	7.0		9.2	9.2		17.2	1.4	
8									3.1		0.7			
9		10.8					16.0		1.6		0.6			
10									8.0		0.5			
11			2.5				32.0		8.0	4.6		2.9		
12			1.2					0.4					94.4	
13			13.0					19.6					130.8	
14			9.2					9.5						
15		2.8			6.8			2.5		8.6				
16										18.8		17.4		
17				112.4	8.8					22.6				
18				62.2	1.4	5.0		0.5	8.7					
19		10.4				2.6		4.3	4.2					
20		45.6						20.1	8.6					
21		13.2						1.0	8.5		67.5		0.8	
22												52.8	4.0	
23		12.2					1.0		6.8				32.0	
24					37.2		1.6							
25						14.1								
26														
27		1.8								2.5			14.0	
28					57.0					5.8			27.2	
29		34.0		96.8	18.6	75.5					17.8		0.7	
30		27.6				28.5								
31		5.8				2.2	21.0	16.6			8.6			
Total		241.1	30.7	320.6	169.5	203.9	106.0	151.3	66.7	72.1	210.7	102.0	347.5	
Maximum	①	45.6	13.0	112.4	57.0	75.5	21.0	76.4	9.2	22.6	68.2	52.8	130.8	130.8
	②													
	③													
Rainfall days		11	2	5	7	7	6	5	7	5	5	4	6	

(Cont'd) Observation Station San Juan Bautista (Unit: mm)

		Year 1975												Total
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1			7.8	5.2	22.4		6.8				18.6			
2			18.8			6.6								
3			6.2	4.0										
4							3.4							
5				1.8			23.4	18.4		1.6		58.6	18.2	
6										10.6			3.2	
7		20.4		0.7					1.2		13.2			
8					40.6				8.8	2.9		56.9	10.4	
9		60.2							40.2	31.4			0.8	
10		1.8							3.6	1.6	13.0			
11				13.4				75.2		11.7				
12					4.1				16.2	4.2				
13					5.0			1.8	12.8	5.2	31.0			
14					3.4			4.8						
15														
16		1.0								2.6	10.2	3.2		
17		34.6										9.2		
18		1.4		30.0	2.8					3.8			1.8	
19			47.6		4.8	8.0				29.4				
20			14.6		59.4					29.8		3.2		
21							16.0							
22				12.8			2.0	1.4	35.2			3.2	9.6	
23			7.6	24.0									0.8	
24			11.0						21.4					
25									0.8					
26		4.6								8.4	13.7			
27		4.0					5.4			11.4	7.0		0.6	
28		16.6		24.0			3.4		11.8		4.2	25.2		
29		17.6		10.6	19.8		2.0		1.0		32.2			
30						0.4					5.8			
31		38.2												
Total		200.4	113.6	126.5	158.9	31.0	62.4	101.6	153.0	154.6	148.9	159.5	55.8	
Maximum	①	60.2	47.6	30.0	59.4	12.6	23.4	75.2	40.2	31.4	32.2	58.6	18.2	75.2
	②													
	③													
Rainfall days		6	7	7	5	3	4	2	7	8	9	4	4	

(Cont'd)		Year 1976												San Juan Bautista		Observation Station		(Unit: mm)	
Day	Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1		3.9	1.6						5.6	0.5			1.0						
2		1.8			1.4				31.0	25.8									
3									9.0		23.6	16.4							
4		4.8	12.6	17.4			43.4		0.8			78.2	4.2						
5		17.4	37.8		5.2		0.9					0.6							
6		0.4		9.4															
7		4.0		2.2				2.0		0.6									
8		5.4			9.9				9.2										
9					12.5														
10		11.0																	
11		1.6						1.8		1.2									
12																			
13																			
14			38.4																
15			22.2																
16				1.8															
17				5.9					4.0		2.4								
18				0.7							10.6								
19				40.8	40.0						0.8	5.6							
20			14.4	15.6							2.6	4.0							
21										1.8									
22																			
23				0.6															
24				0.5															
25		19.6					6.2												
26		11.2					3.2			8.0									
27								42.4	9.0										
28																			
29																			
30		42.8																	
31		16.0																	
Total		141.9	89.2	132.7	69.0	49.4	53.7	46.2	68.6	45.1	121.6	133.3	107.0						
Maximum	①	42.8	38.4	40.8	40.0	42.2	43.4	42.4	31.0	25.8	50.6	78.2	38.4	78.2					
	②																		
	③																		
Rainfall days		7	4	6	1	1	2	1	5	3	5	4	6						

(Cont'd)		Year 1977												San Juan Bautista		Observation Station		(Unit: mm)	
Month	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
1		4.0				18.4			2.2			3.0	4.0						
2		6.0										23.2							
3		28.0									15.8	5.0							
4			30.8																
5						60.5						3.2	0.8						
6			0.4		3.2	12.4		3.2					185.0						
7						33.4		19.8											
8		85.0			5.8	8.2					1.4	27.6							
9		81.8	41.8								2.4	15.4							
10				10.4					1.4		6.6								
11		19.4						2.0	9.8		5.8								
12								10.6	1.4										
13				1.0															
14				2.8		15.4		1.6	2.6	2.2	5.0								
15		59.4							1.8	20.2									
16		16.0							10.8										
17				8.2	6.8		2.2												
18		2.0	10.0	0.7	1.0		10.4			2.6		15.2	12.6						
19		34.8		11.4			27.2												
20							21.2					34.2							
21		11.2																	
22		13.2							12.4										
23							6.2	1.8	11.4		106.2	30.6							
24											54.0								
25						4.8													
26												22.4							
27					8.2														
28				30.0		4.2													
29		9.4		0.7															
30		21.4		1.6	48.8			40.6		0.8									
31								2.8											
Total		391.6	83.0	66.8	73.8	157.3	67.2	82.4	53.8	25.8	197.2	208.2	207.2						
Maximum	①	85.0	41.8	30.0	48.8	60.5	27.2	40.6	12.4	20.2	106.2	34.2	145.0	145.0					
	②																		
	③																		
Rainfall days		12	3	4	4	6	4	3	4	1	5	9	5						

(Cont'd)		Year 1978												Observation Station		San Juan Bautista		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
Day	Month																		
1																			
2			31.4	1.4								10.4							8.2
3			42.2								10.4								
4			34.2															36.8	
5																			40.2
6																			3.0
7												1.0							
8														10.4					
9			6.4											20.2					
10			6.4											2.0				50.0	
11					10.0							4.4							
12												2.4							
13													31.6						
14													0.7						
15														35.2					17.8
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total			101.8	170.4	45.6	43.4	48.4	31.6	125.2	34.6	89.4	166.0	144.4	103.4					
Maximum	①		50.2	42.2	34.2	24.0	32.4	23.0	28.0	31.6	35.2	37.4	50.0	40.2					50.2
	②																		
	③																		
Rainfall days			5	6	2	2	2	2	7	1	5	6	6	3					

(Cont'd)		Year 1979												Total		
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Unit: mm)		
Day	Month															
1				22.4	0.8							23.8			1.2	10.2
2		4.2		105.2	23.0									10.2		
3			3.2	4.4	20.6									6.2		30.4
4					3.2									20.2		
5				21.0	2.0											8.6
6				7.4												
7			2.4	9.7										0.8		
8														9.8	4.0	82.4
9					20.6									23.6	4.2	4.2
10		17.2		1.4	3.0									31.2		
11					1.0											
12			5.2		10.3											
13			10.2		5.4									31.2	1.4	
14														40.8		33.2
15			2.4		5.4											3.6
16														8.2		9.8
17					17.8									36.2		
18					7.0											61.4
19					1.2											2.4
20																5.6
21			3.4													
22																
23			2.2													
24			60.6													
25																
26																
27			32.0	38.4	1.0											
28																
29																
30																
31																
	Total	60.6	128.0	62.9	180.0	132.6	92.4	43.0	178.6	179.0	461.4	245.6	152.8			
	Maximum	32.0	60.6	22.4	105.2	27.0	40.8	23.8	42.2	50.6	127.2	82.4	40.0	127.2		
	①															
	②															
	③															
	Rainfall days	2	4	4	7	7	5	2	7	7	9	6	8			

(Cont'd)		Year 1980												San Juan Bautista		Observation Station		(Unit: mm)	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total					
Day	Month																		
1				38.2	5.4					38.2									
2				7.0						21.6									
3																		2.2	
4		40.4																1.2	
5		4.0																1.2	
6								2.2											
7		21.8			11.0			6.2									25.4		
8				1.0		25.0											34.2		
9				9.8	2.0	110.6											40.0		
10			10.6														42.0		
11		6.0		50.0	30.5												1.6		
12				74.6	50.4													4.4	
13																			
14																			
15																			
16																			
17								4.8											
18								3.2											
19								1.4		16.0								1.2	
20								5.6		5.4								5.4	
21			29.0																
22		80.4																	
23		132.0																	
24			53.6							4.6									
25				75.2															
26				25.0															
27				5.4															
28																			
29																			
30		6.0			60.2														
31																			
Total		246.2	137.6	287.2	159.5	185.8	85.8	29.4	90.8	115.2	269.6	422.2	28.8						
Maximum	①	132.0	53.6	75.2	60.2	110.6	38.2	23.2	59.0	40.4	91.6	84.4	8.2					132.0	
	②																		
	③																		
Rainfall days		5	4	8		6	4	2	3	5	7	11	3						