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Table E.1-1 Climate Characteristic Around the Study Areas

Items	CAR	Reg-1	Reg-2	Reg-3	Reg-4	Reg-5	Reg-6	Reg-7	Reg-8	Reg-10	Reg-11	Reg-13
	Sappa-ac	Talugtog	Cofcaville	Mondilla	Maulawin	Pagasa	Abiera	San Vicente	Marangog	Silae	Kipallili	Mabi
1. Climate Type	I	I	III	I	IV	II	III	IV	IV	III	II	IV
2. Meteorological Conditions												
- Temperature (C)												
Mean	25.3-28.9	25.8-29.6	24.4-28.4	25.0-29.6	24.5-28.0	25.5-28.3	26.3-29.0	26.2-28.4	25.7-28.1	23.0-24.9	26.6-28.2	25.7-28.1
Maximum Average	29.8-33.0	30.9-35.0	28.6-33.3	29.5-34.5	27.4-32.1	28.6-32.4	29.1-33.0	30.6-33.2	28.7-31.4	28.3-31.0	31.0-33.1	28.9-32.4
Minimum Average	20.8-24.8	20.6-24.7	20.2-23.6	22.1-24.9	21.6-23.9	22.3-24.3	23.5-24.9	21.8-23.8	22.7-24.7	17.8-19.2	22.2-23.6	22.6-23.9
- Relative Humidity (%)	76 - 87	72 - 87	79 - 83	70 - 82	82 - 89	81 - 86	78 - 83	79 - 85	82 - 87	79 - 88	78 - 83	81 - 89
- Pan Evaporation (mm)	1,467	1,746	1,746	1,362	1,589	1,813	1,503	1,231	1,231	1,999	1,448	1,231
3. Hydrological Conditions												
- Annual Rainfall (mm)	2,445	2,395	3,235	1,900	3,046	3,311	1,975	1,319	2,291	2,512	1,747	3,652
- Frequency of Typhoon Occurrence (times)	21	21	23	22	34	36	27	26	34	3	3	23

Data Source : PAGASA

Note : Climate data around the Study Areas are used observed at the following stations;

- | | | | |
|------------------|----------------------------------|-------------------|------------------------------------|
| Sappa-ac ARC : | Vigan Station (Ilocos Sur) | Abiera Estate : | Roxas City Station (Aklan) |
| Talugtog ARC : | Dagupan City Station(Pangasinan) | San Vicente ARC : | Tagbilaran City Station (Bohol) |
| Cofcaville ARC : | Baler Station (Quezon) | Marangog ARC : | Tadloban City Station (Leyte) |
| Mondilla ARC : | Sangley Point Station (Cavite) | Silae ARC : | Malaybalay Station (Bukidnon) |
| Maulawin ARC : | Tayabas Station (Quezon) | Kipallili ARC : | Davao City Station (Davao del Sur) |
| Pagasa ARC : | Legaspi Station (Anispe) | Mabi ARC : | Surgao Station (Surgao del Norte) |

Table E.1-2 Monthly Mean Temperature at Vigan Station (1/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MEAN TEMPERATURE Degrees C

STATION: VIGAN, ILOCOS SUR LATITUDE: 17°34' N
CMO: VIRGILIO ALON LONGITUDE: 120°23' E
PERIOD: 1961-1994 ELEVATION: 33 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	24.8	25.4	27.3	28.6	28.8	27.8	26.1	26.6	26.4	27.1	26.9	26.2	26.8
1962	24.5	25.5	27.0	28.2	29.4	27.9	26.8	26.9	26.9	26.5	27.0	25.8	26.9
1963	23.5	25.2	25.8	27.4	28.7	26.6	26.9	27.6	26.7	27.2	27.6	26.2	26.6
1964	26.4	26.5	27.4	28.6	29.1	27.7	27.3	26.5	27.5	27.6	25.9	24.8	27.1
1965	25.1	25.9	26.2	27.7	28.1	26.8	26.9	27.0	27.1	27.9	28.0	26.9	27.0
1966	25.9	26.6	27.3	28.8	28.0	28.1	28.0	27.2	26.3	27.8	26.7	26.5	27.3
1967	25.6	25.4	26.3	27.5	28.8	26.8	26.9	26.0	26.1	25.9	26.3	24.4	26.3
1968	25.0	24.2	26.1	27.6	28.5	28.2	27.5	26.0	26.5	26.8	27.1	25.7	26.6
1969	25.5	25.0	27.1	28.5	29.3	27.7	27.1	27.1	27.0	27.3	26.5	26.7	27.1
1970	25.4	25.7	27.6	29.0	29.7	28.2	27.5	26.4	26.5	27.4	27.6	26.5	27.3
1971	24.0	25.8	26.6	27.3	27.9	27.3	26.9	26.5	26.6	26.9	26.4	26.6	26.6
1972	25.2	25.5	26.0	28.3	28.5	27.7	25.9	26.0	27.5	28.3	28.7	26.5	27.0
1973	25.6	26.6	27.0	28.9	29.6	28.4	27.7	27.0	26.7	27.2	27.3	26.1	27.3
1974	25.4	25.6	26.6	28.2	28.4	27.4	27.4	25.9	26.7	26.7	-2	27.0	26.8
1975	-2	-2	-2	-2	-2	26.5	27.0	-2	27.0	26.9	26.6	26.4	26.7
1976	25.8	25.2	27.2	28.1	28.1	27.1	27.1	26.1	26.7	27.0	26.4	25.9	26.7
1977	25.6	25.1	26.3	28.1	28.4	28.2	27.5	26.7	26.4	27.7	27.0	26.7	27.0
1978	25.5	25.4	27.5	28.8	29.1	27.7	27.7	26.8	27.3	27.8	-2	27.5	27.4
1979	25.7	26.4	27.5	29.0	28.5	28.3	27.7	26.7	27.7	27.1	27.1	25.9	27.3
1980	25.4	26.3	28.0	29.0	29.1	29.1	27.7	28.2	27.1	27.8	27.0	26.0	27.6
1981	25.5	26.3	27.2	29.1	28.8	27.6	27.3	26.9	27.8	27.8	27.7	25.9	27.3
1982	25.7	25.8	27.5	28.7	29.0	28.6	27.1	26.9	27.2	27.4	27.8	26.4	27.3
1983	25.9	25.6	27.5	28.6	29.8	29.1	28.5	27.2	27.7	27.9	26.4	25.6	27.5
1984	25.2	25.6	27.6	28.8	27.7	26.8	26.7	24.9	26.9	26.4	25.8	25.6	26.5
1985	24.9	26.3	27.7	28.5	28.9	26.1	26.9	26.1	27.2	26.4	27.1	25.7	26.8
1986	25.5	25.2	26.8	28.6	27.5	27.1	27.0	26.1	26.4	26.5	25.7	24.5	26.4
1987	24.6	24.6	27.0	28.8	30.5	28.6	28.4	29.0	27.9	28.2	28.1	26.3	27.7
1988	26.4	26.8	27.6	29.7	29.8	28.0	27.3	27.8	28.0	27.9	25.8	25.4	27.5
1989	25.5	25.5	26.9	28.7	-2	-2	-2	-2	-2	-2	-2	-2	26.7
1990	-2	-2	-2	-2	-2	-2	-2	25.9	27.0	27.6	27.2	26.2	26.8
1991	25.7	26.3	27.8	29.0	30.3	28.6	27.4	26.8	26.9	26.6	26.1	25.9	27.3
1992	24.5	25.7	27.4	28.4	28.4	28.6	27.9	-2	-2	-2	-2	-2	27.3
1993	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1994	-2	-2	-2	30.3	29.6	28.1	26.6	26.9	27.3	26.4	27.5	27.3	27.8
TOTAL	759.3	771.0	811.8	884.8	866.3	860.7	844.7	801.7	837.0	844.0	781.3	809.1	892.2
MEAN	25.3	25.7	27.1	28.5	28.9	27.8	27.2	26.7	27.0	27.2	26.9	26.1	27.0
STDEV.	0.6	0.6	0.6	0.6	0.7	0.8	0.6	0.8	0.5	0.6	0.8	0.7	0.4

**NOTE: -2 means data is missing.

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Table E.1-2 Monthly Mean Temperature at Dagupan Station (2/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MEAN TEMPERATURE Degrees C

STATION: DAGUPAN CITY, PANGASINAN LATITUDE: 16°03' N
 CMO: VIRGINIA BRASIA LONGITUDE: 120°20' E
 PERIOD: 1961-1994 ELEVATION: 2 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	24.7	26.8	28.7	30.1	29.5	28.5	27.3	27.6	27.6	27.5	27.1	26.8	27.7
1962	25.4	25.8	28.3	29.4	30.0	28.9	27.6	28.2	27.9	28.4	27.7	26.8	27.9
1963	24.6	25.6	27.3	29.1	30.3	27.5	27.8	28.4	27.9	28.6	28.1	26.8	27.7
1964	27.1	26.8	28.1	29.9	29.5	28.6	28.2	27.5	27.9	27.9	26.6	25.8	27.8
1965	25.0	26.6	27.6	28.9	28.5	28.1	27.4	28.2	28.3	28.6	28.3	27.2	27.7
1966	26.7	27.8	29.1	30.1	28.2	29.5	28.9	28.3	27.0	28.6	27.6	27.5	28.3
1967	26.2	26.0	27.4	29.0	29.8	27.8	28.1	26.8	27.7	27.3	26.9	25.4	27.4
1968	25.7	25.1	27.9	28.5	29.2	29.2	28.3	27.0	27.9	28.1	26.8	26.4	27.5
1969	26.7	25.7	28.2	29.8	30.0	29.1	27.9	28.0	27.7	28.2	27.1	27.0	28.0
1970	26.4	26.4	28.5	29.8	29.7	28.3	28.0	27.1	27.4	27.7	27.8	26.8	27.8
1971	24.4	26.2	26.7	28.6	28.4	27.9	27.5	27.7	27.7	27.3	26.6	26.0	27.1
1972	25.6	25.9	26.0	28.6	28.8	28.4	25.8	26.3	28.0	28.2	28.1	26.4	27.2
1973	25.7	27.2	27.7	29.7	29.6	28.3	27.7	26.8	27.7	27.0	26.8	25.7	27.5
1974	25.9	27.0	27.9	29.8	29.5	28.5	28.7	26.8	28.3	27.7	27.0	27.0	27.8
1975	26.9	26.9	28.2	29.7	29.9	28.8	28.2	27.4	28.3	27.8	27.2	26.5	28.0
1976	25.9	26.5	28.2	29.8	28.3	28.2	28.5	27.2	27.8	28.6	27.7	26.6	27.8
1977	27.1	26.0	27.5	30.0	29.9	29.5	28.5	28.0	27.1	28.8	27.3	26.4	28.0
1978	25.7	26.2	28.6	29.6	29.2	28.1	27.8	26.9	27.4	27.1	26.6	26.7	27.5
1979	25.2	26.4	28.2	30.0	28.6	29.0	28.4	27.2	28.2	27.3	26.8	25.2	27.5
1980	25.6	26.2	28.0	29.5	29.4	29.5	27.8	28.2	27.6	28.1	27.4	25.8	27.8
1981	24.6	26.1	28.0	30.4	29.7	28.2	28.1	27.4	28.4	27.7	27.4	25.9	27.7
1982	25.1	25.9	28.2	29.1	29.3	29.1	27.5	27.7	28.1	27.8	27.7	26.7	27.7
1983	26.2	26.4	28.4	30.2	30.4	30.1	29.3	28.0	28.5	28.2	27.1	25.6	28.2
1984	25.7	27.0	28.6	29.7	28.9	28.5	28.3	27.0	28.3	27.2	27.3	25.9	27.7
1985	25.1	28.5	28.4	29.5	29.5	27.4	27.8	27.4	27.7	27.2	27.7	26.1	27.7
1986	25.3	25.9	27.8	30.0	29.0	28.4	27.9	27.4	27.7	27.5	27.5	25.8	27.5
1987	25.3	25.3	28.5	30.2	31.2	29.4	29.0	29.0	28.7	28.7	28.3	26.9	28.4
1988	27.5	27.6	29.0	30.2	30.8	28.8	28.7	28.9	29.0	28.2	27.5	24.9	28.4
1989	26.4	26.8	27.3	29.5	29.5	29.0	28.4	28.0	27.9	28.2	26.8	24.7	27.7
1990	25.9	27.0	27.9	30.2	30.2	28.1	28.4	28.2	27.7	28.1	27.7	26.6	28.0
1991	26.2	26.9	28.3	29.5	30.0	29.5	28.4	27.8	27.7	27.5	26.7	25.5	27.8
1992	25.0	26.4	28.3	29.6	29.7	29.2	28.0	27.6	27.8	28.1	26.3	26.5	27.7
1993	25.3	26.1	27.4	29.6	30.5	29.9	28.7	28.1	27.7	27.6	27.6	26.6	27.9
1994	26.1	27.2	28.0	29.5	29.7	29.0	27.3	28.2	28.3	28.0	27.2	26.7	27.9
TOTAL	876.2	900.2	952.2	1,007.1	1,004.7	976.3	954.2	940.3	948.9	948.8	928.3	893.2	944.2
MEAN	25.8	26.5	28.0	29.6	29.6	28.7	28.1	27.7	27.9	27.9	27.3	26.3	27.8
STDEV.	0.8	0.7	0.6	0.5	0.7	0.7	0.6	0.6	0.4	0.5	0.5	0.7	0.3

**NOTE: -2 means data is missing.

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Table E.1-2 Monthly Mean Temperature at Baler Station (3/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MEAN TEMPERATURE Degrees C

STATION: BALER, QUEZON LATITUDE: 15°46' N
CMO: AMADO FLORES LONGITUDE: 121°34' E
PERIOD: 1961-1994 ELEVATION: 6 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	23.8	25.2	26.6	27.3	28.5	28.0	27.9	28.1	28.2	26.8	25.7	25.7	26.8
1962	24.3	23.9	26.2	27.0	27.8	28.6	27.9	27.8	27.2	27.1	25.7	24.8	26.5
1963	22.8	22.7	24.4	25.8	27.6	27.9	27.9	27.8	28.0	27.1	26.2	25.3	26.1
1964	25.1	24.7	25.4	26.6	27.9	28.4	28.2	28.0	27.7	27.1	25.5	25.1	26.6
1965	23.8	24.7	25.2	27.0	27.8	28.4	27.4	27.8	27.9	27.0	26.8	25.4	26.6
1966	24.6	25.1	26.0	27.4	27.3	28.6	27.8	28.8	27.8	27.3	26.3	25.7	26.9
1967	24.6	24.4	25.4	26.7	28.7	28.3	28.8	28.0	28.4	26.9	25.9	24.6	26.7
1968	24.3	24.4	25.6	26.3	28.2	28.7	29.0	28.3	28.1	26.7	25.7	25.0	26.7
1969	24.8	25.2	26.3	27.2	29.2	29.5	28.0	27.9	28.5	27.3	26.3	25.3	27.1
1970	25.3	25.0	26.5	27.5	28.5	28.3	29.1	28.9	27.4	26.1	25.9	26.1	27.1
1971	23.8	24.7	25.1	26.9	27.6	27.5	27.7	28.4	28.3	26.2	25.0	25.2	26.4
1972	23.9	25.6	25.2	26.9	28.2	28.8	27.3	27.6	28.3	27.8	26.7	25.8	26.8
1973	25.1	25.1	25.7	27.3	28.8	29.5	28.4	28.4	27.4	27.4	26.7	25.0	27.1
1974	24.4	25.7	25.2	27.5	27.9	28.6	28.7	28.2	28.4	27.2	26.2	25.3	26.9
1975	24.5	24.6	25.8	26.9	28.4	28.2	28.5	28.9	27.6	27.5	26.2	24.9	26.8
1976	23.5	24.3	25.9	27.0	27.0	27.6	28.4	27.2	27.4	26.8	26.1	25.1	26.4
1977	25.4	24.9	25.4	26.8	27.8	28.4	27.9	29.0	27.7	27.3	25.4	24.6	26.7
1978	23.6	23.6	26.2	26.8	28.2	28.1	28.8	28.1	27.2	26.6	25.3	24.0	26.4
1979	24.2	25.2	25.7	27.4	28.3	27.8	28.9	28.6	27.9	26.8	25.9	24.4	26.8
1980	24.6	25.1	25.9	27.1	28.8	28.0	28.3	28.4	28.2	27.6	26.8	25.1	27.0
1981	23.4	24.3	26.3	27.6	28.7	28.5	27.9	28.9	28.1	26.7	25.8	24.4	26.7
1982	23.1	23.6	25.2	26.4	28.1	28.6	27.6	27.9	27.8	26.5	26.0	25.3	26.3
1983	24.4	24.9	25.7	26.9	27.9	28.7	27.9	27.6	27.4	26.7	25.9	24.2	26.5
1984	24.0	25.0	26.0	27.3	27.8	27.8	28.4	27.5	27.7	26.0	26.7	25.1	26.6
1985	24.4	25.6	26.8	27.1	27.8	28.3	27.8	28.4	26.9	26.8	26.2	24.9	26.8
1986	24.0	24.6	25.5	26.9	28.4	28.6	27.4	27.4	27.0	26.1	26.2	25.2	26.4
1987	23.9	24.2	25.8	27.5	28.4	29.0	28.4	27.9	27.6	27.2	26.2	24.8	26.7
1988	24.9	25.6	26.1	27.1	28.4	28.5	28.4	28.9	28.8	26.5	25.9	24.3	26.9
1989	24.7	24.6	25.4	27.3	27.7	28.3	28.1	28.6	28.2	27.6	25.9	24.3	26.7
1990	24.9	25.2	25.7	27.8	27.9	27.9	28.4	28.1	27.3	26.4	26.2	25.1	26.7
1991	24.8	25.0	25.8	26.9	28.1	28.5	28.6	28.4	28.7	27.5	26.2	25.3	27.0
1992	25.0	25.5	26.8	28.6	29.2	28.3	27.8	27.6	28.2	27.2	25.8	25.0	27.1
1993	25.2	25.1	26.0	27.6	28.3	29.1	29.0	28.6	28.1	27.2	27.2	25.1	27.2
1994	25.3	25.6	26.5	28.2	29.3	28.8	28.4	29.0	28.4	27.7	26.1	25.2	27.4
TOTAL	828.4	842.9	877.3	922.6	958.5	966.1	959.0	959.0	947.8	916.7	886.6	850.6	909.6
MEAN	24.4	24.8	25.8	27.1	28.2	28.4	28.2	28.2	27.9	27.0	26.1	25.0	26.8
STDEV	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-2 Monthly Mean Temperature at Legaspi Station (6/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MEAN TEMPERATURE Degrees C

STATION: LEGASPI CITY, ALBAY
CMO: ANTONIO ARISPE
PERIOD: 1961-1994

LATITUDE: 13°08' N
LONGITUDE: 123°44' E
ELEVATION: 17 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	24.7	26.3	27.2	27.7	28.3	28.0	27.8	27.7	27.8	26.9	26.7	26.2	27.1
1962	25.1	25.0	26.6	27.5	27.8	28.2	27.5	27.5	27.0	27.8	26.7	25.9	26.9
1963	24.1	24.3	25.4	26.8	27.9	28.1	28.0	27.6	27.6	27.1	26.9	26.2	26.7
1964	25.9	25.7	26.3	27.0	28.1	28.2	28.1	28.2	27.7	27.3	27.1	25.8	27.1
1965	0.0	25.9	26.1	27.2	27.6	28.0	27.0	27.8	27.7	26.9	27.1	26.3	27.1
1966	25.7	26.3	26.5	27.7	28.1	28.3	27.6	28.2	27.7	27.1	27.3	26.7	27.3
1967	25.4	25.5	26.0	27.1	28.6	28.4	27.9	27.3	27.4	27.2	26.5	25.4	26.9
1968	25.0	25.1	26.3	27.3	28.9	28.9	28.3	28.1	27.9	26.7	25.5	25.6	27.0
1969	25.7	25.4	26.8	27.6	29.1	28.9	27.7	27.2	27.0	26.6	26.1	25.7	27.0
1970	25.4	25.7	26.7	27.4	28.5	28.1	28.0	27.4	27.5	27.1	26.9	26.7	27.1
1971	24.7	25.0	25.1	26.8	27.3	26.2	25.8	26.6	27.0	26.1	25.6	25.4	26.0
1972	24.8	25.9	24.7	25.6	26.6	27.5	27.6	27.1	26.8	26.9	26.3	26.3	26.3
1973	25.2	25.2	26.1	27.3	28.5	28.7	27.9	27.5	27.2	27.1	27.4	25.7	27.0
1974	24.7	25.4	25.9	27.3	28.0	27.9	27.4	28.0	28.4	26.9	26.1	25.7	26.8
1975	24.6	24.7	25.5	26.4	27.9	27.7	27.2	27.3	26.9	27.0	26.3	25.3	26.4
1976	24.5	24.8	25.9	26.9	27.0	27.3	27.5	26.8	27.4	27.5	26.6	25.9	26.5
1977	26.1	25.2	26.0	27.0	28.2	28.3	27.5	28.2	27.0	27.2	26.3	25.9	26.9
1978	25.3	25.4	26.6	27.4	28.0	28.1	28.2	27.3	27.3	27.1	26.5	26.1	26.9
1979	25.4	26.3	26.8	27.8	28.6	28.1	27.9	27.7	27.8	27.4	26.9	25.9	27.2
1980	25.8	25.7	26.5	27.4	28.6	27.3	27.9	27.9	27.6	27.1	27.1	26.1	27.1
1981	24.9	25.8	26.8	27.8	28.6	28.4	27.7	28.4	28.3	27.5	27.1	26.1	27.3
1982	25.3	25.6	27.1	27.7	28.3	28.7	27.6	27.7	27.7	27.7	27.1	26.7	27.3
1983	26.4	26.3	27.4	28.2	29.2	29.4	28.4	28.6	28.2	27.8	26.7	26.0	27.7
1984	26.2	26.3	27.1	28.4	28.7	27.9	27.9	27.7	27.6	27.2	27.0	26.3	27.4
1985	25.6	26.8	27.3	27.9	28.3	28.5	27.7	28.3	27.6	27.5	27.2	26.5	27.4
1986	25.8	25.8	26.7	27.7	29.2	28.7	0.0	28.1	27.9	27.5	27.5	26.6	27.4
1987	26.0	25.7	27.1	28.3	29.6	29.4	28.2	28.6	28.0	28.2	27.6	26.9	27.8
1988	27.4	27.6	27.7	28.4	29.5	28.6	28.4	28.6	28.3	27.1	26.7	25.2	27.8
1989	26.2	25.7	26.2	27.9	28.2	28.0	27.9	27.9	27.7	27.4	26.5	25.4	27.1
1990	25.8	26.2	26.7	28.2	28.6	27.7	27.9	28.0	27.7	27.0	26.8	26.0	27.2
1991	26.1	25.6	26.4	27.7	28.1	27.8	27.6	27.9	28.3	27.2	26.0	25.4	27.0
1992	25.4	25.6	26.8	28.1	28.4	28.2	27.2	27.7	27.5	26.7	26.0	25.8	26.9
1993	25.2	25.3	25.5	27.4	28.1	28.3	27.6	27.1	27.1	27.0	27.2	26.4	26.9
1994	25.9	25.9	27.1	28.0	29.1	28.4	27.3	28.1	27.3	27.3	26.8	26.0	27.3
TOTAL	840.3	873.0	898.9	934.9	963.5	958.2	914.2	944.1	937.9	924.1	908.1	884.1	919.6
MEAN	25.5	25.7	26.4	27.5	28.3	28.2	27.7	27.8	27.6	27.2	26.7	26.0	27.0
STDEV	0.7	0.6	0.7	0.6	0.7	0.6	0.5	0.5	0.4	0.4	0.5	0.4	0.4

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-2 Monthly Mean Temperature at Roxas City Station (10/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MEAN TEMPERATURE Degrees C

STATION: ROXAS CITY AKLAN
CMO: TEDDY ROLLAN
PERIOD: 1961-1994

LATITUDE: 11°35' N
LONGITUDE: 122°45' E
ELEVATION: 4 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	25.4	26.5	27.5	29.0	29.1	28.5	28.5	28.6	28.6	28.1	28.3	27.7	28.0
1962	26.3	25.5	27.3	29.0	29.3	28.8	28.2	28.5	27.7	29.0	27.9	27.1	27.9
1963	25.5	25.9	26.8	28.1	29.5	29.4	28.7	28.3	28.8	28.2	28.0	27.9	27.9
1964	27.4	26.6	27.9	29.0	29.5	29.0	28.1	28.8	28.4	28.1	27.6	27.3	28.1
1965	26.1	26.7	27.1	28.7	29.3	28.8	28.0	28.4	28.3	28.1	28.3	27.1	27.9
1966	27.0	27.6	28.5	29.8	28.5	29.0	28.1	28.7	29.1	28.1	28.1	27.7	28.4
1967	26.2	26.0	27.3	29.0	30.1	30.1	29.2	29.0	29.3	28.5	27.9	27.2	28.3
1968	26.6	27.0	28.3	29.5	30.5	29.6	29.7	29.5	29.2	28.5	27.4	27.1	28.6
1969	27.3	27.6	28.9	30.2	30.9	30.3	29.0	28.3	29.1	28.4	27.7	27.2	28.7
1970	28.1	27.6	28.5	29.6	31.1	29.0	28.7	29.1	28.9	29.2	28.6	28.7	28.9
1971	26.4	26.5	26.7	28.4	28.9	27.1	28.0	28.8	28.6	26.6	26.6	26.8	27.5
1972	25.4	26.5	26.5	28.1	28.2	27.8	28.8	27.5	27.3	28.0	27.5	26.6	27.4
1973	26.1	26.2	26.8	28.1	29.0	28.6	27.8	27.5	27.0	27.4	27.0	26.2	27.3
1974	25.4	26.1	26.3	27.7	28.2	27.6	27.3	27.8	27.5	26.8	26.8	26.2	27.0
1975	25.7	24.8	25.7	27.2	28.1	27.5	27.2	27.6	26.9	26.8	26.7	25.8	26.7
1976	25.2	25.0	26.3	27.4	27.0	27.1	27.1	26.6	27.2	27.5	27.3	26	26.6
1977	26.7	-2	26.1	27.7	28.2	27.9	27.5	27.7	27.6	28.0	27.6	26.9	27.4
1978	25.8	26.1	27.7	28.6	29.2	28.5	29.5	28.6	29.0	-2	28.4	29.0	28.2
1979	28.0	27.3	27.5	28.6	29.0	28.2	27.8	27.4	27.7	27.2	27.6	26.0	27.7
1980	25.6	25.6	26.6	27.1	28.0	27.1	27.5	26.9	27.2	27.1	27.0	26.3	26.8
1981	24.7	25.6	26.7	-2	28.5	27.9	27.2	27.7	27.6	27.5	27.2	26.3	27.0
1982	25.8	25.9	27.0	28.0	28.3	28.3	27.6	27.6	27.6	27.9	28.1	27.9	27.5
1983	27.6	27.6	27.8	28.6	29.4	28.9	27.1	28.0	27.4	27.1	26.8	25.3	27.6
1984	25.8	25.6	26.9	27.7	27.8	26.9	27.1	27.3	27.1	26.1	27.0	-2	26.8
1985	-2	-2	-2	-2	-2	-2	27.5	27.8	27.0	27.1	27.1	26.3	27.1
1986	25.1	26.2	26.5	27.5	28.5	27.7	27.2	27.4	27.4	26.9	27.0	26.3	27.0
1987	25.7	25.5	27.2	28.6	29.2	29.1	27.7	27.7	27.5	28.0	27.6	27.2	27.6
1988	27.8	28.0	28.6	29.0	29.9	27.8	27.8	28.1	28.1	27.4	27.0	25.8	27.9
1989	26.3	26.3	26.8	28.8	28.7	28.1	27.6	27.7	27.9	28.0	27.5	26.7	27.5
1990	26.7	27.4	27.5	29.0	29.3	28.1	27.9	28.0	27.8	27.8	27.3	27.1	27.8
1991	27.0	26.8	27.0	27.9	28.8	28.7	27.8	27.9	28.0	27.6	27.3	26.2	27.6
1992	26.2	26.7	28.0	29.0	29.2	28.6	27.7	28.2	28.4	27.4	27.0	26.6	27.8
1993	26.3	26.3	26.5	27.6	28.4	28.6	27.9	27.4	28.0	27.7	27.2	26.3	27.3
1994	26.2	26.6	26.9	27.7	28.1	27.4	27.4	28.2	27.3	27.3	26.9	26.3	27.2
TOTAL	867.4	845.6	897.7	910.2	955.7	936	950.2	952.6	950.5	913.4	933.3	885.1	939.2
AVE.	26.3	26.4	27.2	28.4	29	28.4	27.9	28	28	27.7	27.4	26.8	27.6
STDEV.	0.9	0.8	0.8	0.8	0.9	0.8	0.7	0.6	0.7	0.7	0.5	0.8	0.6

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-2 Monthly Mean Temperature at Malaybalay Station (12/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MEAN TEMPERATURE Degrees C

STATION: MALAYBALAY BUKIDNON
CMO: JOVITO CABACOG
PERIOD: 1961-1994

LATITUDE: 08°09' N
LONGITUDE: 125°05' E
ELEVATION: 627 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	22.3	23.2	23.5	24.0	24.6	23.6	22.6	23.1	23.1	23	23.2	23.2	23.3
1962	23.6	22.7	22.7	23.6	23.3	21.2	22.7	23.3	23.5	24.2	23.6	23.4	23.1
1963	22.6	22.3	23.0	23.9	24.4	23.5	23.6	23.2	23.5	23.6	23.9	23.6	23.4
1964	23.0	22.8	23.1	24.0	24.1	23.8	23.5	23.0	23.7	23.6	22.8	23.2	23.4
1965	22.2	22.6	23.5	23.7	24.3	23.4	22.6	23.3	23.1	23.5	23.5	22.6	23.2
1966	22.9	22.6	23.8	24.8	24.8	24.3	23.0	23.6	23.3	23.8	23.6	23.2	23.6
1967	22.4	22.9	23.3	24.0	24.0	23.5	22.9	22.7	23.0	22.8	23.3	23.0	23.1
1968	22.5	22.6	23.2	24.3	25.0	24.7	23.7	23.5	23.4	23.5	24.1	22.9	23.6
1969	22.6	23.0	23.7	24.6	25.5	24.3	23.5	23.9	23.6	24.1	24.0	24.2	23.9
1970	23.3	23.7	23.7	24.5	24.6	24.1	23.6	23.3	24.1	23.8	23.6	22.8	23.8
1971	23.2	22.9	23.7	25.1	24.7	23.0	23.0	23.4	23.9	23.3	23.7	22.2	23.5
1972	22.7	22.7	22.8	23.9	24.7	24.2	23.9	23.6	24.0	24.3	24.1	23.8	23.7
1973	22.9	22.8	23.9	24.5	24.7	24.7	23.9	24.2	23.8	23.6	23.5	23.8	23.9
1974	22.2	22.9	23.2	23.8	24.0	24.3	23.7	23.7	24.8	23.5	23.6	23.0	23.6
1975	22.4	22.7	23.3	23.8	24.7	24.1	23.5	23.4	23.9	23.7	23.5	22.8	23.5
1976	22.9	22.8	22.8	24.0	23.9	23.3	23.3	23.2	23.1	24.4	24.0	23.1	23.4
1977	23.0	22.4	22.8	23.9	24.3	24.1	23.4	23.2	23.5	24.1	24.2	23.2	23.5
1978	22.6	23.4	23.7	25.0	24.5	23.9	23.9	23.6	23.6	23.7	24.0	23.6	23.8
1979	23.9	23.9	24.3	25.1	24.9	24.9	23.3	23.8	24.2	23.4	23.9	23.4	24.1
1980	23.3	22.6	23.7	24.3	25.0	24.3	23.9	23.9	23.9	24	24.4	23.9	23.9
1981	22.5	22.8	22.7	24.1	25.4	23.9	23.5	23.3	23.6	23.8	23.7	23.0	23.5
1982	22.9	22.6	23.6	24.5	24.5	23.8	23.5	23.1	23.6	23.2	23.9	23.7	23.6
1983	23.1	22.9	24.2	24.4	26.0	24.9	23.7	23.9	24.0	24.2	23.9	23.4	24.0
1984	22.9	22.8	23.7	25.7	25.5	24.5	24.4	23.8	23.9	23.7	24.6	24.0	24.1
1985	23.3	23.8	24.1	25.0	25.4	24.6	23.8	24.2	23.6	24.2	24.6	24.0	24.2
1986	23.5	23.6	24.0	24.5	25.4	24.4	23.8	23.4	23.5	24.4	24.4	23.8	24.1
1987	23.7	23.9	24.3	25.7	26.2	25.1	24.1	24.7	24.6	25.0	25.1	24.8	24.8
1988	24.7	24.2	24.6	25.3	25.8	24.6	24.8	25.0	25.0	24.2	24.3	23.2	24.6
1989	23.9	23.9	24.1	25.1	25.2	24.3	24.4	24.0	24.6	24.4	24.1	23.8	24.3
1990	23.4	23.8	24.8	25.7	25.0	24.2	23.5	23.4	23.8	24.2	23.3	23.0	24.0
1991	22.7	22.4	23.9	25.1	24.9	24.7	23.8	23.9	23.8	23.9	24.4	23.7	23.9
1992	23.1	23.4	23.9	25.5	26.2	24.7	24.3	23.9	24.4	23.7	24.1	22.9	24.2
1993	23.5	23.2	23.4	24.2	25.4	24.8	24.4	23.8	24.1	24.1	24.5	24.3	24.1
1994	23.4	23.1	23.8	24.9	24.8	24.2	23.5	23.7	23.5	24.3	24.3	23.6	23.9
TOTAL	783.1	783.9	802.8	834.5	845.7	819.9	803.0	803.0	809.0	811.2	813.7	796.1	808.8
MEAN	23	23.1	23.6	24.5	24.9	24.1	23.6	23.6	23.8	23.9	23.9	23.4	23.8
STDEV.	0.6	0.5	0.5	0.6	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.4

**NOTE: -2 means data is missing

PREPARED BY: PAGASA/CAB/CDS

Table E.1-2 Monthly Mean Temperature at Davao Station (13/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MEAN TEMPERATURE Degrees C

STATION: DAVAO CITY, DAVAO DEL NORTE LATITUDE: 07°07' N
CMO: CARLOS ARISPE LONGITUDE: 125°39' E
PERIOD: 1961-1994 ELEVATION: 18 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	25.6	26.5	27.3	27.6	27.3	26.7	26.3	26.8	27.0	27.2	27.4	26.9	26.9
1962	25.5	25.6	26.7	27.6	27.6	27.1	26.9	27.2	26.9	27.8	27.2	26.9	26.9
1963	25.9	25.4	26.7	27.9	28.1	27.4	27.0	27.0	27.4	27.5	27.5	27.2	27.1
1964	26.9	26.1	26.9	27.6	27.7	27.1	27.0	27.1	27.1	27.3	27.1	27.0	27.1
1965	26.1	26.3	27.0	27.4	27.7	27.1	26.6	27.0	27.2	27.4	27.3	26.4	27.0
1966	25.8	26.5	28.0	28.2	27.6	27.4	27.0	27.2	27.7	27.4	27.5	27.1	27.3
1967	26.7	26.8	27.3	28.3	28.0	27.9	27.8	27.8	27.9	27.5	27.5	27.2	27.6
1968	26.3	26.6	27.2	28.4	27.8	27.6	27.5	27.5	27.6	27.3	27.6	26.0	27.3
1969	25.8	26.5	27.1	28.1	28.5	27.6	26.9	27.1	27.2	27.6	27.1	27.1	27.2
1970	26.5	26.6	26.9	27.7	27.9	27.4	26.9	26.6	27.3	27.0	26.7	26.2	27.0
1971	26.4	26.6	27.8	28.4	28.0	27.1	27.3	27.3	27.6	27.1	27.3	26.8	27.3
1972	26.5	26.5	26.5	27.8	27.7	27.1	27.5	27.0	27.0	27.6	27.3	26.9	27.1
1973	27.1	27.1	27.7	27.3	27.6	27.4	27.2	26.9	27.3	28.0	27.0	27.2	27.3
1974	25.8	25.8	26.9	27.4	27.8	27.2	27.1	27.4	27.7	27.1	27.3	26.7	27.0
1975	26.5	26.6	26.9	27.7	27.4	27.1	27.2	27.4	27.5	27.6	27.3	26.0	27.1
1976	26.3	26.1	26.8	27.7	28.0	27.4	27.4	27.3	27.1	27.5	27.4	27.1	27.2
1977	26.2	26.2	26.6	28.0	28.0	27.0	26.9	26.8	27.6	27.0	27.3	27.3	27.1
1978	26.8	27.2	27.8	28.2	28.0	27.2	27.1	27.2	27.4	27.8	27.9	27.3	27.5
1979	27.3	27.9	27.4	28.9	28.2	27.9	27.4	27.7	27.7	28.1	28.1	27.0	27.8
1980	26.8	26.5	27.8	28.2	28.4	27.6	27.3	27.3	27.6	27.7	28.0	27.5	27.6
1981	26.4	27.1	27.7	28.4	28.5	27.9	27.5	27.9	27.8	27.7	27.6	26.8	27.6
1982	26.2	26.6	28.0	28.3	28.3	27.6	27.3	26.9	27.3	27.5	27.8	27.7	27.5
1983	27.2	27.3	28.2	29.0	29.6	28.3	27.3	27.3	27.8	27.7	28.0	26.7	27.9
1984	26.3	26.3	27.2	27.7	28.2	27.4	27.1	27.6	26.9	27.4	27.7	27.4	27.3
1985	26.7	27.6	28.0	28.3	28.1	28.0	27.0	27.3	27.1	27.1	27.4	27.0	27.5
1986	26.3	26.6	27.0	28.3	28.5	27.5	27.2	27.9	27.5	27.9	27.6	27.4	27.5
1987	26.6	26.8	28.0	29.1	28.6	28.1	27.6	27.7	28.2	28.0	28.5	28.2	28.0
1988	28.5	27.4	28.2	28.6	28.5	27.8	27.7	27.7	27.9	28.1	28.0	26.9	27.9
1989	27.8	27.6	27.2	27.6	28.0	27.8	27.5	27.6	27.8	28.0	27.6	27.1	27.6
1990	27.1	27.4	27.8	28.8	28.5	28.2	27.7	28.2	27.7	28.0	27.7	27.5	27.9
1991	26.9	26.8	28.0	28.9	28.4	28.0	27.7	28.0	28.3	28.4	28.1	27.5	27.9
1992	27.6	28.1	28.7	29.6	29.4	28.4	27.8	28.1	28.4	28.1	27.9	26.6	28.2
1993	26.9	26.9	27.5	28.0	28.7	28.1	27.6	27.4	27.2	27.9	27.9	28.0	27.7
1994	27.1	27.3	27.8	28.5	28.2	27.4	27.7	27.4	27.9	28.0	28.0	26.9	27.7
TOTAL	904.4	909.2	932.6	957.5	956.8	936.8	927.0	930.6	935.6	939.3	937.6	919.5	932.2
MEAN	26.6	26.7	27.4	28.2	28.1	27.6	27.3	27.4	27.5	27.6	27.6	27.0	27.4
STDEV	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Maximum Temperature at Dagupan Station (2/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C

STATION: DAGUPAN CITY, PANGASINAN LATITUDE: 16°03' N
CMO: VIRGINIA BRASIA LONGITUDE: 120°20' E
PERIOD: 1961-1994 ELEVATION: 2 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	29.6	31.6	33.4	35.3	33.6	32.2	30.2	30.7	30.6	31.3	31.8	31.3	31.8
1962	29.9	31.0	32.7	34.1	35.0	33.3	30.9	31.6	31.5	32.5	32.1	32.0	32.2
1963	28.9	30.7	32.7	34.2	35.5	30.5	31.0	31.8	31.1	33.0	33.3	31.5	32.0
1964	32.4	32.0	33.3	35.9	34.1	32.9	31.9	30.9	31.5	31.6	30.0	29.8	32.2
1965	29.6	32.1	32.4	34.6	33.1	32.0	30.8	32.0	32.1	33.4	33.1	32.7	32.3
1966	32.0	33.3	34.7	35.5	31.8	33.7	33.1	31.9	30.3	33.2	31.8	32.2	32.8
1967	31.7	31.6	32.6	34.0	35.0	31.5	31.8	29.8	31.6	31.2	31.9	30.5	31.9
1968	31.4	30.4	33.4	34.1	34.5	34.4	32.6	30.4	31.6	33.3	32.8	32.7	32.6
1969	33.0	31.5	34.1	35.7	35.6	34.1	32.3	32.3	31.9	33.5	32.3	32.4	33.2
1970	31.9	32.3	34.2	35.6	35.4	32.9	32.4	31.1	31.7	32.4	33.2	32.2	32.9
1971	30.4	32.2	32.8	34.4	33.6	32.8	31.8	32.6	32.4	32.3	31.8	31.1	32.3
1972	30.9	31.5	31.9	34.6	34.7	33.6	29.1	30.2	32.9	34.0	34.0	31.8	32.4
1973	31.5	33.8	34.4	36.6	35.9	33.8	32.9	31.9	33.0	32.2	32.3	31.4	33.3
1974	31.5	31.6	33.1	35.1	34.3	31.9	32.9	30.1	32.2	30.9	30.6	31.2	32.1
1975	31.4	32.1	33.3	35.5	35.2	33.7	33.0	31.3	32.9	31.7	32.1	31.1	32.8
1976	30.7	31.8	33.7	35.3	31.9	32.3	32.3	31.0	31.7	33.3	32.2	30.9	32.3
1977	31.3	30.3	32.6	35.3	34.6	34.1	32.4	31.8	30.5	33.5	31.6	31.6	32.5
1978	30.7	31.3	34.5	35.6	34.3	32.2	31.5	29.7	30.8	30.6	31.0	31.3	32.0
1979	30.7	31.2	33.6	35.0	32.7	33.5	32.1	30.3	32.2	31.3	30.9	30.3	32.0
1980	30.6	31.8	33.5	34.7	33.6	34.2	31.5	31.8	31.2	32.3	31.4	30.5	32.3
1981	29.9	31.6	34.5	36.4	34.9	32.1	32.1	30.6	32.4	31.6	31.8	30.4	32.4
1982	30.4	31.2	34.1	33.9	34.0	33.5	30.7	31.1	31.7	32.3	32.8	30.9	32.2
1983	30.7	32.0	33.5	36.6	35.7	35.1	33.9	31.9	32.5	32.1	31.5	30.6	33.0
1984	30.3	32.5	33.5	35.2	33.7	32.6	32.1	30.0	32.6	30.6	31.6	31.0	32.1
1985	30.3	34.4	33.8	34.3	34.2	30.6	31.5	30.5	31.4	31.0	32.1	30.9	32.1
1986	30.2	31.2	33.3	36.2	33.3	32.6	31.7	30.7	31.3	31.4	31.4	31.2	32.0
1987	31.3	31.3	35.2	35.9	36.7	33.8	33.0	33.4	32.7	33.0	33.2	31.6	33.4
1988	32.7	32.6	34.8	35.3	35.8	32.5	32.9	33.0	33.3	32.0	32.3	30.1	33.1
1989	32.0	32.1	32.3	34.6	34.3	33.3	32.4	31.6	31.8	32.5	31.8	30.1	32.4
1990	31.8	32.9	33.2	34.9	35.3	31.9	32.3	31.6	31.3	32.8	32.2	31.7	32.7
1991	31.1	31.9	34.7	34.2	34.7	34.1	32.3	31.0	31.0	31.4	30.8	30.8	32.3
1992	29.3	31.7	34.1	34.7	34.5	33.6	31.7	30.9	31.1	32.0	31.1	31.7	32.2
1993	30.3	31.0	32.4	34.4	35.3	34.3	32.4	31.5	31.2	31.4	31.6	30.6	32.2
1994	30.3	32.0	32.8	34.0	34.0	33.2	30.3	31.1	31.8	31.4	31.6	31.7	32.0
TOTAL	1,050.7	1,082.5	1,139.1	1,191.7	1,170.8	1,122.8	1,085.8	1,062.1	1,079.8	1,093.0	1,086.0	1,061.8	1,102.2
MEAN	30.9	31.8	33.5	35.0	34.4	33.0	31.9	31.2	31.8	32.1	31.9	31.2	32.4
STDEV.	1.0	0.9	0.8	0.8	1.1	1.1	1.0	0.9	0.8	0.9	0.8	0.7	0.4

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Maximum Temperature at Baler Station (3/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C

STATION: BALER, QUEZON
CMO: AMADO FLORES
PERIOD: 1961-1994

LATITUDE: 15°46' N
LONGITUDE: 121°34' E
ELEVATION: 6 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	28.4	29.7	30.9	31.8	33.0	32.7	32.2	32.4	33.1	31.5	29.9	30.1	31.3
1962	28.3	28.5	30.5	31.0	32.5	33.8	31.9	32.6	31.1	31.6	29.4	29.1	30.9
1963	26.2	25.7	28.3	30.2	32.5	32.2	32.2	32.2	32.1	31.9	30.2	29.3	30.2
1964	29.1	28.6	29.2	30.7	32.4	33.1	32.9	32.0	32.3	31.4	28.8	29.4	30.8
1965	28.1	29.1	29.5	31.9	32.7	33.4	32.1	32.4	32.6	31.7	30.9	29.7	31.2
1966	28.9	29.6	30.6	32.6	31.3	33.5	32.3	33.5	31.7	31.7	29.8	29.1	31.2
1967	28.2	28.5	29.5	31.0	33.7	33.1	33.8	32.1	33.3	31.7	29.9	29.1	31.2
1968	28.6	29.4	30.1	31.0	33.6	34.0	33.9	32.5	32.5	31.7	30.8	29.4	31.5
1969	29.3	30.7	31.2	31.8	34.1	34.3	32.6	32.6	33.0	32.1	30.9	29.0	31.8
1970	29.9	29.5	31.1	31.9	33.4	33.0	34.3	33.6	31.6	30.4	29.2	30.2	31.5
1971	28.6	28.7	29.6	31.8	32.1	32.0	32.2	33.9	33.3	30.4	29.2	29.1	30.9
1972	28.5	30.7	29.8	31.4	33.5	34.0	31.0	31.9	33.2	32.8	30.5	29.8	31.4
1973	29.5	29.5	30.7	32.2	34.4	35.3	33.0	33.2	31.7	31.8	30.6	28.8	31.7
1974	28.9	30.0	29.3	32.2	32.5	33.1	33.4	31.8	33.0	30.9	29.5	28.4	31.1
1975	27.7	28.5	29.8	30.6	33.0	32.7	33.4	33.2	32.3	31.6	30.7	28.1	31.0
1976	27.0	28.9	30.4	31.4	31.0	32.1	32.9	31.5	32.1	30.8	30.2	28.8	30.6
1977	29.3	28.6	29.4	31.2	32.6	33.2	32.4	33.9	31.9	32.2	29.9	29.2	31.2
1978	28.2	28.1	30.4	31.3	32.3	32.6	33.2	32.1	31.2	30.3	29.5	28.3	30.6
1979	28.1	28.9	29.8	31.5	32.6	31.9	33.5	32.5	32.1	30.6	29.5	28.6	30.8
1980	28.2	29.1	30.1	31.3	33.0	32.0	32.6	32.9	32.3	31.8	30.3	29.0	31.0
1981	27.3	28.2	30.7	32.0	33.2	32.7	32.2	33.3	32.7	31.1	29.8	28.3	31.0
1982	27.5	27.8	29.9	30.6	32.5	33.7	32.0	32.7	32.6	31.4	30.5	29.5	30.9
1983	28.4	30.4	30.5	32.0	33.0	34.2	33.3	32.7	32.7	31.5	31.0	28.9	31.6
1984	28.1	29.5	31.1	32.7	33.4	32.7	33.7	32.0	32.5	30.3	31.8	29.8	31.5
1985	29.3	30.4	31.7	32.0	33.1	33.5	33.0	33.5	32.0	31.6	30.8	29.4	31.7
1986	28.2	29.2	30.2	31.7	33.8	34.2	32.5	32.4	31.8	30.6	30.7	29.7	31.3
1987	28.2	28.6	30.9	32.6	33.8	34.4	33.4	33.0	32.8	32.3	31.0	28.8	31.6
1988	29.4	30.1	31.2	31.9	33.7	33.7	33.4	34.1	34.0	30.6	30.2	28.8	31.8
1989	29.2	29.2	29.8	32.4	32.1	32.8	32.3	33.2	32.9	32.3	30.2	28.6	31.3
1990	29.0	29.7	30.5	33.0	32.9	32.7	33.7	33.4	32.3	31.1	31.1	29.2	31.6
1991	29.2	29.4	31.0	31.8	33.2	33.9	34.5	33.0	33.9	32.6	30.7	29.5	31.9
1992	29.8	30.3	32.3	34.5	35.1	32.7	32.2	32.0	32.9	31.9	30.3	28.8	31.9
1993	29.6	29.5	30.4	32.2	33.3	34.2	34.0	33.9	32.9	31.5	31.3	28.3	31.8
1994	29.2	29.7	30.4	32.9	34.3	33.5	32.8	33.7	33.3	32.6	30.5	29.1	31.8
TOTAL	971.4	992.3	1,030.8	1,081.1	1,123.6	1,130.9	1,118.8	1,115.7	1,105.7	1,070.5	1,029.6	989.2	1,063.3
MEAN	28.6	29.2	30.3	31.8	33.0	33.3	32.9	32.8	32.5	31.5	30.3	29.1	31.3
STDEV	0.8	1.0	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.4

**NOTE: -2 means data is missing.

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Table E.1-3 Monthly Maximum Temperature at Sangley Point Station (4/13)

**MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C**

STATION:	SANGLEY POINT, CAVITE	LATITUDE:	14°30' N
CMO:	MARILYN MEDINA	LONGITUDE:	120°55' E
PERIOD:	1971-1994	ELEVATION:	3 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	-	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-	-	31.6	30.5	30.0	30.2	30.6
1975	30.4	31.3	33.4	34.7	35.4	33.4	32.5	31.2	32.5	32.5	30.7	29.7	32.3
1976	29.5	30.0	31.8	34.5	31.8	32.2	32.3	30.5	30.9	32.5	30.6	29.4	31.3
1977	-	-	31.9	34.2	34.2	33.6	31.3	32.0	30.5	31.5	29.2	29.4	31.8
1978	29.3	30.2	33.0	34.5	33.8	31.9	31.8	29.1	30.0	30.2	30.0	29.9	31.1
1979	29.9	-	-	34.3	-	-	31.5	30.3	32.5	30.9	31.2	29.8	31.3
1980	30.4	30.5	31.4	33.7	32.4	32.1	30.2	31.4	29.9	30.8	30.4	-	31.2
1981	27.6	28.9	33.3	35.2	34.2	30.7	31.0	30.9	31.7	31.2	30.0	28.8	31.1
1982	28.1	29.0	31.3	33.0	33.9	33.3	29.8	30.6	30.6	31.5	31.4	30.6	31.1
1983	30.5	31.9	33.6	35.7	36.1	34.7	33.0	31.7	31.7	30.4	30.2	29.2	32.4
1984	29.2	30.6	32.6	34.9	33.7	32.0	32.0	29.3	31.5	30.3	30.4	29.5	31.3
1985	29.0	31.7	32.8	33.8	34.3	30.7	31.5	30.4	30.6	30.1	30.4	29.0	31.2
1986	28.7	29.4	32.2	35.2	33.7	33.5	31.9	31.1	30.9	30.5	31.5	29.8	31.5
1987	29.3	30.2	33.9	35.1	36.6	33.2	31.7	32.2	31.5	32.0	31.2	30.1	32.3
1988	30.7	31.8	33.6	35.1	35.5	31.9	32.0	32.5	32.5	30.0	30.2	29.4	32.1
1989	30.6	29.5	31.0	34.7	34.1	32.6	32.2	31.4	32.2	33.3	-	-	32.2
1990	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	30.0	31.0	32.2	34.1	33.9	32.8	30.2	31.5	31.5	31.7	31.8	30.7	31.8
TOTAL	443.2	426.0	488.0	552.7	513.6	488.6	504.9	496.1	532.6	560.7	520.6	475.3	567.3
MEAN	29.5	30.4	32.5	34.5	34.2	32.6	31.6	31.0	31.3	31.1	30.6	29.7	31.5
STDEV.	0.9	1.0	0.9	0.7	1.3	1.1	0.9	1.0	0.8	0.9	0.7	0.5	0.6

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Maximum Temperature at Legaspi Station (6/13)

**MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C**

STATION:	LEGASPI CITY, ALBAY	LATITUDE:	13°08' N
CMO:	ANTONIO ARISPE	LONGITUDE:	123°44' E
PERIOD:	1961-1994	ELEVATION:	17 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	27.4	29.4	30.9	31.3	32.2	31.8	31.7	31.2	31.8	31.1	29.9	29.3	30.7
1962	27.9	27.9	29.8	31.3	31.5	32.7	31.0	31.6	30.7	31.8	30.2	29.0	30.4
1963	27.1	27.4	29.1	30.9	32.0	32.2	32.3	32.2	31.7	31.4	30.1	29.7	30.5
1964	29.4	28.8	30.1	30.4	32.1	32.4	32.4	32.0	31.7	31.3	31.0	29.1	30.9
1965	0.0	29.2	29.5	31.0	31.8	32.3	30.8	32.0	31.7	31.0	30.8	29.5	30.9
1966	29.1	30.0	30.3	31.7	32.4	32.6	31.9	32.7	31.7	31.3	31.4	30.0	31.3
1967	28.4	28.8	29.8	31.3	33.3	32.6	32.0	30.9	31.7	31.5	30.0	28.9	30.8
1968	28.4	29.3	29.9	31.8	33.7	34.2	32.8	32.4	32.5	31.3	29.7	29.2	31.3
1969	29.6	29.9	31.3	31.7	33.8	34.1	32.4	31.7	31.4	31.6	30.5	29.4	31.4
1970	29.4	29.8	31.2	32.1	33.6	33.1	32.9	31.8	32.1	31.1	30.8	30.2	31.5
1971	28.3	28.5	29.0	31.3	31.9	31.0	30.7	31.5	31.9	30.3	29.9	28.8	30.3
1972	28.1	29.6	28.9	30.2	31.6	32.1	31.3	31.4	31.2	31.8	29.9	30.0	30.5
1973	29.1	28.9	30.2	31.1	32.5	33.0	32.1	31.5	31.2	30.6	30.7	28.3	30.8
1974	27.8	28.7	29.5	31.3	32.0	32.1	31.4	31.8	33.2	30.8	29.6	28.7	30.6
1975	28.3	28.9	30.2	30.1	31.8	31.8	31.8	31.2	31.1	31.3	29.9	28.1	30.4
1976	27.0	27.9	29.0	30.4	30.3	30.7	31.2	30.4	31.2	31.1	30.3	28.7	29.9
1977	29.5	28.2	29.4	30.6	32.2	32.4	31.8	32.4	30.4	31.1	29.5	29.4	30.6
1978	28.6	29.1	30.2	31.2	31.7	31.8	32.1	30.7	31.0	30.8	29.7	29.2	30.5
1979	29.0	30.0	30.4	31.2	32.4	31.7	31.6	31.1	31.6	30.8	30.1	28.9	30.7
1980	28.8	28.7	29.7	30.7	32.6	30.3	31.6	32.0	31.1	30.8	30.4	28.8	30.5
1981	27.3	28.9	30.3	31.0	32.5	32.2	31.2	31.8	32.1	31.0	30.0	29.0	30.6
1982	28.1	28.4	30.4	31.0	32.1	32.3	30.9	31.4	30.9	31.2	30.0	29.7	30.5
1983	29.5	30.3	30.8	31.9	33.0	33.1	31.8	32.2	31.9	31.1	29.5	28.2	31.1
1984	28.8	29.0	30.0	31.7	32.3	31.2	31.9	30.7	31.5	30.9	30.1	29.1	30.6
1985	28.5	29.9	30.5	31.5	32.1	32.4	31.3	31.8	31.1	30.7	30.0	29.5	30.8
1986	27.9	29.1	29.7	30.8	33.4	32.8	0.0	31.4	31.7	30.9	30.7	29.7	30.7
1987	28.8	28.9	30.2	31.9	33.6	33.6	32.0	32.7	31.4	32.2	31.0	29.7	31.3
1988	30.5	30.9	31.1	32.0	33.2	32.5	32.0	32.5	32.2	30.3	29.5	27.6	31.2
1989	28.7	29.1	29.8	31.8	32.0	32.0	31.6	31.7	31.5	31.4	29.8	28.6	30.7
1990	28.7	29.6	30.3	32.3	32.3	31.3	31.7	31.8	32.2	30.7	30.3	29.0	30.9
1991	29.2	28.9	30.0	31.4	31.6	31.3	31.4	31.2	31.6	30.9	29.6	28.5	30.5
1992	29.1	29.6	30.4	32.1	32.1	31.8	30.8	31.0	31.0	30.1	29.3	28.7	30.5
1993	28.5	28.3	29.0	31.0	31.7	32.1	31.0	30.4	30.8	30.2	30.5	29.2	30.2
1994	28.9	29.4	30.4	31.7	33.0	31.9	30.1	31.6	30.3	31.0	30.0	28.7	30.6
TOTAL	943.7	989.3	1,021.3	1,063.7	1,100.3	1,095.4	1,043.5	1,074.7	1,071.1	1,055.4	1,024.7	988.4	1,044.4
MEAN	28.6	29.1	30.0	31.3	32.4	32.2	31.6	31.6	31.5	31.0	30.1	29.1	30.7
STDEV.	0.8	0.7	0.6	0.6	0.8	0.9	0.6	0.6	0.6	0.5	0.5	0.6	0.4

**NOTE: -2 means data is missing.

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Table E.1-3 Monthly Maximum Temperature at Catabalogan Station (7/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C

STATION: CATBALOGAN, WESTERN SAMAR
CMO: ANTONIO CABER
PERIOD: 1961-1994

LATITUDE: 11°47' N
LONGITUDE: 124°53' E
ELEVATION: 5 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	29.0	30.3	31.4	32.8	32.6	32.2	31.9	31.5	31.6	31.1	31.5	30.3	31.3
1962	29.4	28.9	31.1	32.3	32.5	32.7	31.6	31.6	30.9	32.1	30.9	30.2	31.2
1963	28.2	28.8	30.3	31.4	32.5	32.7	32.3	31.7	32.1	31.4	31.2	31.0	31.1
1964	31.5	30.7	31.8	32.2	32.2	32.5	31.9	32.5	32.1	31.4	31.2	29.7	31.6
1965	28.8	29.7	30.0	31.7	32.7	32.0	31.0	32.3	32.1	31.5	31.7	30.9	31.2
1966	31.4	31.8	32.6	34.0	33.2	32.9	31.3	32.8	33.3	31.9	32.0	31.2	32.4
1967	30.6	29.8	30.9	32.3	33.6	33.1	32.1	31.6	31.4	31.3	30.8	30.3	31.5
1968	29.4	29.8	31.9	32.2	32.9	33.3	32.6	32.2	32.4	31.5	29.7	30.3	31.5
1969	31.1	31.3	33.1	33.1	33.7	32.9	31.5	32.1	32.2	32.2	30.9	30.1	32.0
1970	30.3	31.1	32.8	33.5	34.2	32.4	32.1	32.3	32.4	31.5	30.8	31.6	32.1
1971	29.7	29.3	29.3	31.0	31.6	30.9	30.8	32.1	32.7	31.0	30.6	30.6	30.8
1972	28.8	31.3	30.3	33.1	33.7	33.2	33.3	32.4	32.1	32.8	32.2	31.9	32.1
1973	32.0	31.7	32.5	33.7	34.1	34.2	33.1	32.7	32.5	32.0	31.9	30.4	32.6
1974	29.6	30.5	31.3	32.6	33.5	32.7	32.3	33.3	33.4	31.8	31.4	30.1	31.9
1975	30.4	30.8	32.5	32.8	33.7	32.9	32.5	32.9	32.9	32.4	31.8	30.0	32.1
1976	29.7	30.2	32.3	33.0	32.6	31.6	31.4	31.1	31.9	31.9	30.5	29.5	31.3
1977	30.9	29.6	30.7	33.2	33.2	32.0	31.7	32.4	31.1	31.4	30.8	31.0	31.5
1978	29.9	29.9	32.2	33.1	33.2	32.6	33.0	32.3	31.5	31.0	30.8	30.3	31.6
1979	30.5	31.2	32.0	32.9	33.3	32.5	31.9	32.0	32.3	31.6	30.6	29.7	31.7
1980	29.9	30.3	31.7	32.4	33.4	31.4	31.8	32.1	31.9	31.6	31.0	29.6	31.4
1981	28.1	30.1	32.1	33.7	33.7	32.8	32.2	32.7	32.1	31.3	31.0	30.2	31.7
1982	29.4	30.0	32.0	32.9	32.9	33.1	31.3	32.6	32.3	32.5	31.7	31.4	31.8
1983	31.9	32.3	33.3	35.2	35.6	34.7	32.7	33.5	32.9	32.5	30.7	29.6	32.9
1984	29.7	30.7	32.0	33.9	34.1	33.4	33.3	32.7	32.2	32.2	31.2	30.8	32.2
1985	29.6	32.5	33.0	33.1	33.0	33.5	32.1	33.6	32.0	32.1	31.7	31.0	32.3
1986	29.7	30.7	31.8	32.3	34.0	33.4	33.1	32.7	33.0	32.7	32.5	32.0	32.3
1987	30.9	30.7	32.6	34.4	35.1	34.7	32.4	33.5	33.6	33.5	31.7	32.3	33.0
1988	32.8	33.1	34.5	34.5	35.0	33.3	33.5	34.3	33.2	32.0	31.0	29.2	33.0
1989	30.3	30.5	31.0	33.8	33.4	33.1	32.8	33.9	33.6	33.2	32.0	31.5	32.4
1990	31.7	33.1	33.5	35.3	34.3	33.0	33.4	33.3	33.3	32.6	31.8	32.1	33.1
1991	31.6	31.9	32.3	33.9	34.1	33.9	33.1	33.3	33.5	32.8	31.7	-	32.9
1992	-	-	-	-	-	-	-	-	-	32.4	31.0	31.5	31.6
1993	31.1	30.3	31.6	33.1	34.6	33.4	32.3	32.1	32.3	30.2	31.6	30.3	31.9
1994	31.2	31.5	32.2	32.2	33.0	32.0	31.3	32.1	30.9	31.4	31.2	30.6	31.6
TOTAL	999.1	1,014.4	1,052.6	1,091.6	1,105.2	1,085.0	1,063.6	1,074.2	1,067.7	1,084.8	1,063.1	1,011.2	1,085.8
MEAN	30.3	30.7	31.9	33.1	33.5	32.9	32.2	32.6	32.4	31.9	31.3	30.6	31.9
STDEV.	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.7	0.8	0.7	0.6	0.8	0.6

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Maximum Temperature at Tagbilaran Station (9/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C

STATION: TAGBILARAN CITY, BOHOL
CMO: EMMANUEL
PERIOD: 1961-1994

LATITUDE: 09°38' N
LONGITUDE: 123°52' E
ELEVATION: 6 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	29.1	30.7	31.9	32.4	32.9	31.9	32.4	32.7	33.3	32.0	32.0	31.5	31.9
1962	29.9	28.9	30.7	33.1	33.7	32.8	32.3	32.0	32.0	32.9	32.4	31.6	31.9
1963	28.8	28.9	30.7	33.3	34.1	34.0	33.5	32.0	33.0	32.1	31.9	32.2	32.0
1964	31.6	30.3	32.0	32.2	32.4	32.1	32.4	33.5	32.5	32.4	31.9	31.4	32.1
1965	30.0	30.7	30.8	32.2	33.3	32.6	31.6	32.4	32.4	32.4	32.0	31.7	31.8
1966	32.1	32.1	32.4	34.1	33.4	32.8	31.5	32.9	33.5	32.6	32.4	31.7	32.6
1967	30.1	30.3	30.7	32.7	33.3	33.5	32.0	32.9	33.3	32.3	31.8	30.9	32.0
1968	30.3	30.8	32.2	32.7	33.5	33.0	33.0	32.6	33.5	32.4	31.6	30.6	32.2
1969	31.3	31.9	32.6	33.2	34.1	33.4	32.7	32.8	32.9	33.4	33.0	31.8	32.8
1970	32.0	31.4	33.0	33.9	33.6	33.1	33.2	34.1	33.8	32.5	32.2	31.2	32.8
1971	29.8	30.0	30.5	32.3	32.1	31.6	31.9	32.8	32.8	30.7	30.9	31.4	31.4
1972	29.7	31.2	30.7	32.1	33.1	32.3	33.5	32.7	31.6	32.5	31.8	31.5	31.9
1973	31.6	31.7	31.7	32.2	32.5	32.6	31.9	31.8	31.3	31.9	30.6	30.4	31.7
1974	29.5	29.9	30.6	32.1	32.2	31.5	31.4	33.0	32.5	30.9	31.0	30.0	31.2
1975	29.7	30.3	31.3	32.2	31.9	31.9	0.0	32.7	31.7	31.7	31.2	30.5	31.4
1976	29.8	30.2	31.2	32.2	31.9	31.0	31.7	31.6	31.8	31.9	31.5	30.6	31.3
1977	30.9	30.0	31.0	32.7	33.2	32.2	31.4	31.8	31.5	31.5	31.7	31.6	31.6
1978	30.0	30.6	32.8	33.2	33.5	32.9	32.5	32.5	31.7	31.6	31.6	31.0	32.0
1979	31.0	32.0	31.6	32.8	33.1	32.3	31.8	32.5	32.2	31.7	31.8	30.7	32.0
1980	30.1	31.0	32.2	32.2	32.9	31.5	31.7	31.6	32.4	31.7	31.6	30.7	31.6
1981	29.6	30.8	33.1	33.8	33.1	33.2	32.5	33.2	32.5	31.9	31.8	31.2	32.2
1982	30.4	30.9	31.4	32.8	33.0	32.1	32.3	32.3	32.2	32.3	32.3	31.8	32.0
1983	-2	32.3	32.4	33.1	33.9	33.1	31.7	32.3	32.0	31.9	31.4	30.4	32.2
1984	29.9	30.3	31.5	32.8	32.8	32.3	32.5	33.0	31.6	31.5	31.8	30.8	31.7
1985	30.1	32.1	33.0	32.7	32.6	32.6	31.4	33.2	31.4	31.5	32.0	31.5	32.0
1986	29.4	31.1	32.2	32.5	34.2	33.0	32.1	32.5	31.9	31.5	31.6	31.3	31.9
1987	31.3	30.7	32.1	33.9	34.5	34.8	32.2	33.1	32.8	33.0	31.8	32.2	32.7
1988	33.2	32.6	33.4	33.2	33.7	32.7	32.4	32.7	32.9	31.7	31.5	31.2	32.6
1989	31.4	31.9	32.0	32.8	32.7	32.6	32.3	32.7	33.1	32.9	32.1	31.6	32.3
1990	31.0	33.0	32.3	34.1	33.4	32.8	34.1	0.0	33.9	32.4	31.6	31.8	32.8
1991	31.0	32.1	32.1	33.8	33.4	33.2	31.9	33.4	33.4	33.2	32.7	32.0	32.7
1992	32.5	33.2	33.7	34.8	35.1	33.9	33.3	34.2	34.4	32.9	32.0	31.5	33.5
1993	32.3	30.5	31.7	32.3	33.4	33.5	32.3	32.2	33.1	32.8	32.2	31.2	32.3
1994	31.3	32.0	32.9	32.5	32.9	32.1	33.1	33.8	32.6	32.5	31.4	30.6	32.3
TOTAL	1,010.7	1,056.4	1,084.4	1,118.9	1,129.4	1,110.9	1,066.5	1,079.5	1,107.5	1,093.1	1,081.1	1,062.1	1,091.4
MEAN	30.6	31.1	31.9	32.9	33.2	32.7	32.3	32.7	32.6	32.2	31.8	31.2	32.1
STDEV.	1.1	1.0	0.9	0.7	0.7	0.8	0.7	0.6	0.8	0.6	0.5	0.6	0.5

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Maximum Temperature at Surigao Station (11/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C

STATION: SURIGAO, SURIGAO DEL NORTE
CMO: GERALDINO WARLITO
PERIOD: 1961-1994

LATITUDE: 09°48' N
LONGITUDE: 125°30' E
ELEVATION: 39 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	27.2	28.1	30.6	30.7	31.8	31.8	31.4	31.6	31.7	31.4	30.3	29.6	30.5
1962	27.5	27.3	29.5	31.3	31.4	32.5	31.4	31.3	30.9	31.5	30.2	28.5	30.3
1963	26.2	25.8	28.0	30.4	31.2	32.3	32.0	30.7	31.8	30.8	29.5	30.1	29.9
1964	29.1	28.8	29.8	30.2	31.5	31.7	31.7	31.9	31.6	31.0	-	29.9	30.7
1965	28.3	28.2	28.9	30.6	31.9	31.8	31.0	31.9	31.7	31.2	30.5	29.5	30.5
1966	29.7	30.1	30.6	32.0	32.9	32.4	30.8	32.5	32.3	31.0	30.7	29.7	31.2
1967	28.8	27.8	29.2	30.5	32.0	32.8	31.6	32.0	31.8	30.9	29.8	28.2	30.4
1968	27.9	28.4	29.7	30.9	32.1	32.7	32.6	32.1	31.9	30.4	29.0	28.3	30.5
1969	28.8	28.8	29.7	30.9	32.2	32.3	30.9	31.9	31.5	31.4	29.7	28.8	30.6
1970	28.8	28.6	30.8	31.7	32.1	31.6	31.3	31.6	32.0	30.5	30.1	29.7	30.7
1971	27.8	28.4	28.4	30.0	31.5	31.3	31.2	32.0	32.7	30.5	30.1	29.8	30.3
1972	28.2	30.0	29.3	31.1	33.4	33.1	32.6	32.3	32.4	32.9	30.6	30.8	31.4
1973	30.7	30.0	30.4	31.1	32.2	33.4	33.0	33.0	32.1	31.3	30.1	30.0	31.4
1974	28.1	28.1	29.3	30.5	32.5	33.2	32.1	32.8	32.8	31.1	30.3	28.5	30.8
1975	28.5	29.2	30.3	30.9	32.5	32.4	32.4	33.2	32.6	33.1	31.6	29.2	31.3
1976	28.7	29.1	30.8	31.3	31.7	30.8	31.1	31.0	31.3	31.5	30.4	29.5	30.6
1977	30.4	29.3	30.1	31.6	32.3	31.8	31.4	31.9	32.0	-	30.8	30.5	31.1
1978	28.7	29.6	31.4	31.8	32.0	32.3	32.3	32.3	32.1	31.1	30.3	29.7	31.1
1979	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	31.3	33.2	34.3	34.4	32.7	34.0	34.6	33.5	31.8	31.4	33.1
1988	31.5	30.5	31.9	33.0	33.8	32.8	32.9	33.3	33.5	32.3	30.7	29.3	32.1
1989	30.0	30.1	31.1	32.1	33.0	32.6	32.6	33.5	33.8	32.5	30.5	30.3	31.8
1990	30.0	31.1	31.2	32.7	32.6	32.9	-	-	-	-	-	28.1	31.2
1991	-	-	-	-	-	-	-	-	-	-	30.9	30.0	30.5
1992	30.0	30.5	30.8	32.1	32.9	33.0	32.4	33.0	33.4	31.7	30.2	30.1	31.7
1993	29.5	29.1	30.4	31.0	32.0	33.0	32.4	31.2	32.0	31.3	-	-	31.2
1994	29.7	29.7	30.1	30.8	32.7	31.1	31.8	33.0	31.5	32.2	29.9	29.1	31.0
TOTAL	694.1	696.6	753.6	782.4	808.5	810.0	765.6	774.0	774.0	725.1	698.0	738.6	806.0
MEAN	28.9	29.0	30.1	31.3	32.3	32.4	31.9	32.3	32.2	31.5	30.3	29.5	31.0
STDEV.	1.2	1.2	1.0	0.9	0.7	0.8	0.7	0.8	0.9	0.8	0.6	0.8	0.7

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Maximum Temperature at Malaybalay Station (12/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C

STATION: MALAYBALAY BUKIDNON LATITUDE: 08°09' N
CMO: JOVITO CABACOG LONGITUDE: 125°05' E
PERIOD: 1961-1994 ELEVATION: 627 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	26.5	28.0	30.1	29.8	29.8	28.0	26.9	27.3	27.7	27.8	28.7	28.3	28.2
1962	28.4	27.0	28.1	30.0	28.1	26.3	27.2	28.2	28.0	29.6	28.9	28.5	28.2
1963	27.0	26.8	28.2	30.7	30.1	27.8	28.5	27.0	28.0	28.3	29.6	29.6	28.5
1964	29.0	27.7	29.3	29.5	28.8	29.0	28.7	28.3	28.7	28.5	27.2	28.3	28.6
1965	27.0	27.9	28.8	29.3	30.2	27.6	26.2	28.0	27.8	28.9	29.2	28.3	28.3
1966	28.3	29.0	30.8	30.6	29.3	28.9	27.1	28.2	28.2	29.3	28.9	28.2	28.9
1967	27.0	27.5	28.9	30.6	29.5	28.3	26.9	27.1	27.6	27.4	28.5	28.7	28.2
1968	26.8	27.7	29.0	31.2	31.3	30.2	28.4	27.8	28.1	28.6	29.7	27.4	28.9
1969	28.5	29.3	30.4	31.2	31.4	28.9	27.6	29.0	27.8	29.5	28.9	29.5	29.3
1970	28.8	28.6	29.3	31.1	30.4	29.0	28.2	27.8	29.4	28.5	28.7	27.3	28.9
1971	27.9	27.7	28.8	30.7	30.1	28.1	27.0	28.7	29.3	27.7	28.8	28.0	28.6
1972	27.9	28.5	28.2	30.3	30.4	29.0	28.0	28.3	28.1	30.1	29.6	29.3	29.0
1973	29.7	29.4	30.2	30.1	30.5	29.9	29.0	29.1	28.8	28.8	28.2	28.9	29.4
1974	27.0	27.5	29.1	28.9	29.8	29.4	28.4	28.5	30.4	27.4	28.4	27.4	28.5
1975	27.7	28.3	29.1	29.2	30.4	29.1	28.8	28.6	28.9	28.8	29.5	28.1	28.9
1976	28.1	28.9	29.0	30.5	28.9	27.9	27.5	27.7	27.8	29.8	28.9	28.0	28.6
1977	28.3	27.6	28.5	30.5	29.4	28.4	26.6	26.8	27.5	28.8	28.8	27.9	28.3
1978	27.3	28.4	29.7	30.7	28.9	28.3	28.1	27.6	27.4	27.6	28.1	27.9	28.3
1979	28.7	29.7	29.7	30.9	29.8	29.0	26.7	27.8	28.8	27.3	29.3	28.1	28.8
1980	27.9	28.1	30.0	30.4	31.3	28.5	27.7	27.5	27.5	28.1	28.8	28.0	28.6
1981	26.4	28.0	28.9	30.5	31.4	28.5	27.9	28.2	28.3	28.7	28.7	27.5	28.6
1982	26.8	27.3	29.2	30.9	30.0	28.3	28.0	27.0	28.5	28.2	29.8	29.3	28.6
1983	29.2	30.4	31.6	32.1	32.8	30.0	27.9	28.3	28.7	28.9	28.7	27.8	29.7
1984	27.3	27.2	29.3	32.2	31.7	29.6	30.0	28.8	29.4	28.3	30.6	29.6	29.5
1985	28.6	29.7	30.7	31.6	31.9	30.3	29.0	29.8	29.1	30.0	30.9	29.5	30.1
1986	28.5	30.1	30.0	32.2	32.5	30.5	29.3	29.2	29.8	30.8	30.1	30.6	30.3
1987	29.9	30.4	31.6	33.4	33.8	30.5	29.2	30.4	30.4	31.0	30.8	31.3	31.1
1988	32.0	30.5	31.6	32.1	32.3	29.7	30.3	31.3	30.9	29.1	29.6	28.0	30.6
1989	29.5	29.5	30.5	31.5	31.5	29.9	29.8	29.3	30.8	30.0	30.4	30.2	30.2
1990	29.3	30.8	32.2	33.0	30.9	29.2	28.8	28.8	29.3	30.0	28.2	29.5	30.0
1991	28.4	28.5	30.9	32.2	30.9	29.9	28.5	28.4	28.8	29.2	30.2	29.6	29.6
1992	29.6	30.3	30.9	32.7	33.0	30.0	29.3	28.8	30.2	27.8	29.7	28.3	30.1
1993	29.4	28.8	29.9	30.8	31.8	30.2	29.2	28.5	29.5	29.5	30.0	29.1	29.7
1994	29.3	28.9	29.4	30.9	30.3	29.1	28.0	28.9	28.3	30.2	31.1	29.5	29.5
TOTAL	962.0	974.0	1,011.9	1,052.3	1,043.2	987.3	958.7	965.0	977.8	982.5	995.5	975.5	990.5
MEAN	28.3	28.6	29.8	31.0	30.7	29.0	28.2	28.4	28.8	28.9	29.3	28.7	29.1
STDEV	1.2	1.1	1.1	1.1	1.3	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.8

**NOTE -2 means data is missing.

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Table E.1-3 Monthly Maximum Temperature at Davao Station (13/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MAXIMUM TEMPERATURE Degrees C

STATION: DAVAO CITY, DAVAO DEL SUR
CMO: CARLOS ARISPE
PERIOD: 1961-1994

LATITUDE: 07°07' N
LONGITUDE: 125°39' E
ELEVATION: 18 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	30.2	31.0	32.6	32.6	31.9	31.3	31.1	31.5	31.8	31.9	32.7	31.4	31.7
1962	29.1	29.3	31.2	32.5	32.1	31.7	30.9	31.6	31.2	32.6	31.6	31.1	31.2
1963	29.5	29.1	31.2	33.0	33.1	31.8	31.3	31.2	31.9	32.2	32.3	32.2	31.6
1964	31.8	30.1	32.1	32.0	32.2	31.3	31.7	31.7	31.6	31.9	31.7	31.6	31.6
1965	30.3	30.6	31.4	32.3	32.4	31.4	30.7	31.3	31.6	32.2	32.3	31.1	31.5
1966	30.6	31.8	33.4	33.3	31.8	31.9	31.1	31.4	32.3	31.9	32.3	31.7	32.0
1967	31.0	31.4	32.1	33.7	32.7	32.2	32.5	32.5	32.5	32.1	32.2	32.2	32.3
1968	30.4	31.1	32.3	33.9	32.8	32.3	32.1	31.9	32.5	31.9	32.7	29.6	32.0
1969	30.4	31.3	32.4	33.7	33.3	31.9	31.5	31.7	31.8	32.8	31.9	32.1	32.1
1970	31.3	31.5	31.9	33.0	33.0	32.2	31.9	31.8	32.9	32.1	32.0	30.8	32.0
1971	30.9	30.9	32.6	33.6	32.9	31.5	31.6	32.2	32.7	31.7	32.5	31.7	32.1
1972	31.8	31.7	31.5	33.5	32.9	32.1	32.9	32.4	32.0	33.2	32.5	32.4	32.4
1973	33.1	33.3	33.3	32.4	33.0	32.7	32.5	32.5	32.2	32.8	31.2	31.8	32.6
1974	29.8	29.7	31.3	31.8	32.2	31.4	31.4	31.7	32.1	31.0	31.6	30.8	31.2
1975	30.9	31.2	31.1	32.3	32.0	31.5	31.7	32.1	32.2	32.1	32.6	30.5	31.7
1976	31.2	31.2	31.9	33.2	33.0	32.0	31.8	32.0	31.6	32.6	32.8	32.4	32.1
1977	31.2	31.5	31.8	33.7	33.2	31.5	31.1	31.0	32.5	32.3	31.7	32.2	32.0
1978	32.0	32.3	33.4	33.5	32.5	31.7	31.4	31.4	32.0	32.1	32.6	31.8	32.2
1979	32.0	33.0	32.1	33.8	32.6	32.1	31.5	31.7	32.3	32.7	32.9	31.2	32.3
1980	30.7	30.7	33.0	32.9	33.0	31.6	31.5	31.5	32.1	32.2	32.7	32.1	32.0
1981	30.3	31.5	32.4	33.4	32.7	32.0	31.7	32.4	32.2	32.2	31.8	30.9	32.0
1982	29.9	30.4	32.9	33.0	32.7	31.6	31.6	30.9	31.3	32.4	32.7	32.2	31.8
1983	32.0	32.7	33.7	34.5	34.4	32.2	31.1	31.0	31.8	32.0	32.5	30.3	32.3
1984	29.8	29.8	31.5	32.0	32.3	31.5	31.2	31.8	31.2	31.7	32.1	31.3	31.4
1985	30.9	31.9	32.5	32.7	32.4	32.2	31.4	32.0	31.5	31.9	31.9	31.6	31.9
1986	29.8	31.0	31.1	33.4	33.0	31.8	31.4	32.3	31.9	32.6	31.9	32.4	31.9
1987	30.6	31.0	32.7	34.0	32.9	31.8	31.0	31.7	32.6	32.2	32.8	32.7	32.2
1988	33.2	31.2	32.6	33.0	32.5	31.6	31.8	31.7	31.9	32.2	31.9	30.5	32.0
1989	32.0	31.4	31.5	31.7	32.3	31.8	31.7	31.7	32.4	32.7	32.0	31.7	31.9
1990	31.5	32.4	32.7	33.6	32.4	32.3	31.7	32.4	32.0	32.2	32.0	31.9	32.3
1991	30.9	30.8	32.8	33.9	32.4	31.7	31.7	32.0	32.7	33.1	32.5	32.0	32.2
1992	32.2	32.9	33.8	34.4	33.7	32.3	31.8	32.3	33.0	32.5	32.4	30.3	32.6
1993	30.8	30.9	31.7	32.5	33.1	32.2	31.5	31.4	31.5	32.7	32.2	32.1	31.9
1994	31.6	31.5	32.1	33.0	32.5	31.6	31.8	31.9	32.2	32.6	32.8	31.0	32.0
TOTAL	1,053.7	1,062.1	1,096.6	1,125.8	1,111.9	1,082.7	1,073.6	1,080.6	1,090.0	1,097.3	1,096.3	1,071.6	1,086.9
MEAN	31.0	31.2	32.3	33.1	32.7	31.8	31.6	31.8	32.1	32.3	32.2	31.5	32.0
STDEV.	1.0	1.0	0.8	0.7	0.5	0.3	0.5	0.4	0.5	0.4	0.4	0.7	0.3

**NOTE: -2 means data is missing.

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Table E.1-3 Monthly Minimum Temperature at Vigan Station (1/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION: VIGAN, ILOCOS SUR LATITUDE: 17°34' N
 CMO: VIRGILIO ALON LONGITUDE: 120°23' E
 PERIOD: 1961-1994 ELEVATION: 33 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	20.2	21.2	23.4	24.9	25.3	24.3	23.3	23.6	23.2	23.3	22.8	21.9	23.1
1962	20.5	21.1	22.9	24.4	25.5	23.9	24.0	23.5	23.5	22.6	23.2	21.7	23.1
1963	19.5	21.5	21.9	23.5	24.9	23.5	23.8	24.1	23.4	22.8	23.1	21.9	22.8
1964	21.4	21.9	22.9	24.3	24.5	23.7	23.2	23.1	25.4	24.4	22.9	21.3	23.2
1965	21.2	22.1	21.6	22.9	23.8	23.2	23.7	23.6	23.4	23.8	23.7	22.4	22.9
1966	21.4	22.3	23.1	24.7	24.3	24.6	24.3	23.9	23.0	23.5	23.1	22.4	23.4
1967	20.8	20.6	21.8	23.4	24.7	23.2	23.5	23.1	22.7	22.0	22.2	20.2	22.4
1968	20.9	19.4	22.0	23.5	24.3	24.3	24.0	23.0	23.3	22.6	22.8	21.6	22.6
1969	21.4	20.8	23.1	24.7	25.4	24.4	23.7	24.0	23.9	23.6	22.4	22.6	23.3
1970	21.0	21.1	23.4	24.8	25.3	24.4	24.3	23.4	23.3	24.0	23.8	22.6	23.4
1971	19.5	21.5	21.9	23.2	24.1	23.7	23.4	23.0	23.0	23.4	22.6	22.7	22.7
1972	21.1	21.3	21.6	24.2	24.5	24.5	23.4	23.1	23.8	24.2	24.4	22.3	23.2
1973	21.4	22.7	23.1	25.4	25.9	25.0	24.5	23.9	23.4	23.5	23.4	21.9	23.7
1974	21.2	21.3	22.7	24.3	24.5	24.4	23.8	23.1	23.3	23.5	-2	24.3	23.3
1975	-2	-2	-2	-2	-2	22.3	23.4	-2	23.2	23.0	22.4	22.2	22.8
1976	21.5	20.9	23.0	24.1	24.4	23.4	23.8	22.7	23.1	23.0	21.9	21.3	22.8
1977	21.4	20.3	21.8	24.0	24.1	24.3	24.1	23.5	23.3	23.7	22.7	22.0	22.9
1978	21.0	20.8	23.4	24.9	25.3	24.2	24.2	23.9	24.1	24.1	-2	23.4	23.6
1979	20.9	21.5	23.0	25.1	24.8	24.4	24.2	23.5	24.1	23.1	22.8	21.3	23.2
1980	20.9	22.1	23.9	25.2	25.3	25.2	24.3	24.6	23.7	24.1	23.4	21.9	23.7
1981	21.2	22.1	23.2	25.1	25.2	24.2	24.0	23.7	24.3	24.2	23.8	21.7	23.6
1982	21.4	21.4	23.2	24.3	24.7	24.8	23.5	23.6	23.5	23.4	23.7	22.4	23.3
1983	21.4	21.1	23.3	24.3	25.5	25.2	24.6	23.7	23.9	24.0	22.2	21.0	23.4
1984	20.6	20.6	23.8	24.0	23.3	21.9	22.1	20.2	23.1	21.4	20.9	20.9	21.9
1985	19.5	21.3	22.9	23.9	23.3	21.9	22.2	22.2	22.7	21.9	22.5	19.9	22.0
1986	19.8	19.4	21.6	23.6	23.1	23.0	22.7	22.2	21.6	21.6	20.6	18.7	21.5
1987	18.8	18.8	22.2	24.1	25.6	24.6	24.9	25.4	24.2	24.2	24.2	22.0	23.3
1988	22.1	22.1	23.1	24.8	25.9	24.3	23.7	24.5	24.7	24.9	20.8	20.8	23.5
1989	20.6	20.8	22.6	24.5	-2	-2	-2	-2	-2	-2	-2	-2	22.1
1990	-2	-2	-2	-2	-2	-2	-2	22.6	23.4	23.5	23.1	21.6	22.8
1991	21.4	21.8	23.4	24.5	26.0	24.6	23.9	23.8	23.7	22.8	22.1	21.7	23.3
1992	20.2	20.9	22.6	24.0	24.4	24.8	24.5	-2	-2	-2	-2	-2	23.1
1993	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1994	-2	-2	-2	24.8	25.2	24.6	23.5	23.9	23.5	22.1	23.1	22.9	23.7
TOTAL	624.2	634.7	682.4	753.4	743.1	744.8	736.5	702.4	728.7	722.2	660.6	675.5	759.6
MEAN	20.8	21.2	22.7	24.3	24.8	24.0	23.8	23.4	23.5	23.3	22.8	21.8	23.0
STDEV.	0.8	0.9	0.7	0.6	0.8	0.9	0.6	0.9	0.7	0.9	0.9	1.0	0.5

**NOTE: -2 means data is missing.

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Table E.1-3 Monthly Minimum Temperature at Dagupan Station (2/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION: DAGUPAN CITY, PANGASINAN LATITUDE: 16°03' N
CMO: VIRGINIA BRASIA LONGITUDE: 120°20' E
PERIOD: 1961-1994 ELEVATION: 2 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	19.8	22.0	24.1	24.9	25.3	24.7	24.4	24.6	24.6	23.7	22.5	22.3	23.6
1962	20.9	20.7	23.9	24.6	25.0	24.6	24.3	24.8	24.3	24.4	23.2	21.6	23.5
1963	20.3	20.5	22.0	23.9	25.2	24.5	24.6	25.0	24.6	24.2	22.8	22.2	23.3
1964	21.8	21.5	22.9	24.0	24.8	24.4	24.4	24.0	24.4	24.2	23.3	21.7	23.4
1965	20.4	21.1	22.8	23.2	24.0	24.3	24.1	24.5	24.5	23.9	23.5	21.7	23.2
1966	21.4	22.3	23.5	24.7	24.5	25.2	24.6	24.8	23.8	24.0	23.4	22.8	23.8
1967	20.7	20.5	22.2	24.0	24.7	24.2	24.4	23.8	23.8	23.4	21.9	20.4	22.8
1968	20.1	19.7	22.3	23.0	24.0	23.9	23.9	23.5	24.2	22.8	20.8	20.1	22.4
1969	20.4	19.9	22.2	23.8	24.4	24.2	23.5	23.6	23.5	22.9	21.8	21.5	22.6
1970	20.8	20.4	22.8	24.0	24.0	23.7	23.7	23.2	23.1	23.1	22.5	21.4	22.7
1971	18.5	20.1	20.7	22.7	23.2	22.9	23.1	22.8	23.0	22.2	21.4	20.9	21.8
1972	20.3	20.4	20.1	22.6	23.0	23.1	22.5	22.3	23.0	22.5	22.1	20.9	21.9
1973	20.0	20.7	20.9	22.9	23.3	22.9	22.5	21.8	22.3	21.8	21.3	19.9	21.7
1974	20.3	22.3	22.7	24.5	24.7	25.0	24.5	23.6	24.5	24.4	23.4	22.8	23.6
1975	22.3	21.8	23.1	23.9	24.7	23.9	23.3	23.5	23.6	23.9	22.3	21.9	23.2
1976	21.1	21.2	22.8	24.3	24.7	24.0	24.7	23.5	23.9	23.9	23.3	22.3	23.3
1977	22.9	21.7	22.5	24.8	25.2	24.9	24.7	24.1	23.7	24.1	22.9	21.2	23.6
1978	20.6	21.0	22.8	23.6	24.1	23.9	24.1	24.0	24.0	23.6	22.2	22.1	23.0
1979	19.6	21.7	22.8	25.1	24.4	24.6	24.8	24.1	24.1	23.3	22.7	20.2	23.1
1980	20.6	20.7	22.4	24.3	25.1	24.7	24.2	24.6	24.0	23.9	23.5	21.1	23.3
1981	19.2	20.6	21.5	24.4	24.5	24.4	24.2	24.3	24.3	23.9	23.0	21.4	23.0
1982	19.8	20.7	22.2	24.3	24.7	24.7	24.2	24.3	24.6	23.2	22.7	22.6	23.2
1983	21.8	20.8	23.3	23.8	25.2	25.1	24.8	24.2	24.4	24.2	22.7	20.6	23.4
1984	21.2	21.6	23.7	24.2	24.2	24.5	24.4	24.0	24.0	23.7	22.9	20.9	23.3
1985	19.9	22.5	23.0	24.8	24.8	24.2	24.2	24.3	24.1	23.5	23.3	21.3	23.3
1986	20.3	20.7	22.2	23.8	24.7	24.2	24.1	24.1	24.0	23.5	23.6	20.4	23.0
1987	19.3	19.3	21.7	24.5	25.6	25.0	24.9	24.6	24.7	24.4	23.4	22.2	23.3
1988	22.3	22.7	23.2	25.1	25.9	25.1	24.6	24.7	24.6	24.4	22.8	19.8	23.8
1989	20.8	21.5	22.4	24.3	24.6	24.7	24.3	24.3	23.9	24.0	21.8	19.3	23.0
1990	20.0	21.0	22.5	25.4	25.2	24.4	24.5	24.7	24.1	23.4	23.3	21.6	23.3
1991	21.2	21.9	21.9	24.7	25.4	25.0	24.6	24.6	24.4	23.7	22.5	20.3	23.4
1992	20.7	21.1	22.6	24.5	25.0	24.7	24.3	24.4	24.6	24.2	21.6	21.4	23.3
1993	20.4	21.2	22.4	24.8	25.6	25.5	25.0	24.7	24.2	23.9	23.6	22.7	23.7
1994	21.9	22.4	23.3	25.0	25.4	24.9	24.2	25.3	24.8	24.5	22.7	21.8	23.8
TOTAL	701.6	718.2	765.4	822.4	839.1	830.0	822.6	818.6	817.6	804.7	770.7	725.3	786.3
MEAN	20.6	21.1	22.5	24.2	24.7	24.4	24.2	24.1	24.0	23.7	22.7	21.3	23.1
STDEV	0.9	0.8	0.9	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.7	0.9	0.5

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Minimum Temperature at Baler Station (3/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION: BALER, QUEZON
CMO: AMADO FLORES
PERIOD: 1961-1994

LATITUDE: 15°46' N
LONGITUDE: 121°34' E
ELEVATION: 6 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	19.1	20.8	22.2	22.8	24.0	23.4	23.6	23.9	23.4	22.1	21.5	21.3	22.3
1962	20.3	19.4	22.0	23.0	23.1	23.4	23.9	23.1	23.3	22.7	21.9	20.5	22.2
1963	19.5	19.6	20.4	21.4	22.7	23.6	23.5	23.3	24.0	22.3	22.1	21.3	22.0
1964	21.1	20.8	21.5	22.5	23.4	23.6	23.5	23.9	23.2	22.7	22.2	20.9	22.4
1965	19.5	20.3	21.0	22.0	22.9	23.3	22.6	23.2	23.1	22.2	22.7	21.2	22.0
1966	20.4	20.7	21.3	22.2	23.2	23.7	23.4	24.0	23.8	23.0	22.8	22.3	22.6
1967	20.9	20.4	21.4	22.5	23.8	23.5	23.9	24.0	23.4	22.1	21.8	20.0	22.3
1968	19.9	19.4	21.0	21.7	22.9	23.3	24.1	24.0	23.7	21.8	20.6	20.5	21.9
1969	20.2	19.7	21.5	22.5	24.3	24.7	23.5	23.2	24.0	22.5	21.8	21.6	22.5
1970	20.6	20.5	22.0	23.1	23.5	23.6	23.9	24.3	23.2	21.8	22.6	21.9	22.6
1971	19.0	20.8	20.7	21.9	23.2	23.0	23.3	22.9	23.3	22.0	20.8	21.2	21.8
1972	20.0	20.4	20.5	22.3	23.0	23.7	23.7	23.3	23.3	22.9	22.9	21.7	22.3
1973	20.7	20.6	20.8	22.3	23.2	23.6	23.9	23.6	23.1	23.0	22.9	21.2	22.4
1974	19.8	21.4	21.0	22.8	23.3	24.1	23.9	24.7	23.7	23.4	22.8	22.3	22.8
1975	21.4	20.7	21.8	23.2	23.8	23.6	23.6	24.7	23.0	23.2	21.8	21.7	22.7
1976	20.0	19.8	21.4	22.6	23.1	23.1	23.9	22.9	22.8	22.8	22.0	21.4	22.1
1977	21.6	21.2	21.3	22.4	23.1	23.6	23.4	24.2	23.5	22.3	20.8	19.9	22.3
1978	19.1	19.2	22.0	22.2	24.0	23.6	24.3	24.0	23.3	22.8	21.1	19.8	22.1
1979	20.3	21.5	21.6	23.3	24.0	23.7	24.4	24.6	23.7	22.9	22.3	20.2	22.7
1980	21.0	21.2	21.8	23.0	24.5	24.1	24.1	23.9	24.1	23.5	23.2	21.2	23.0
1981	19.6	20.3	22.0	23.2	24.2	24.2	23.6	24.5	23.6	22.4	21.8	20.5	22.5
1982	18.8	19.3	20.6	22.2	23.6	23.5	23.1	23.2	22.9	21.5	21.5	21.0	21.8
1983	20.3	19.4	21.0	21.9	22.7	23.2	22.5	22.4	22.1	21.9	20.7	19.5	21.5
1984	19.9	20.4	20.8	21.8	22.3	23.0	23.1	23.0	22.8	21.7	21.7	20.5	21.8
1985	19.6	20.9	21.8	22.3	22.6	23.1	22.6	23.3	21.9	21.9	21.6	20.4	21.8
1986	19.7	20.0	20.9	22.1	23.0	23.0	22.2	22.5	22.3	21.6	21.7	20.7	21.6
1987	19.5	19.7	20.7	22.4	23.0	23.7	23.5	22.9	22.3	22.1	21.5	20.7	21.8
1988	20.5	21.0	21.1	22.2	23.1	23.2	23.4	23.7	23.5	22.5	21.6	19.7	22.1
1989	20.2	20.0	21.0	22.3	23.4	23.8	23.8	24.0	23.4	22.9	21.6	20.0	22.2
1990	20.7	20.8	20.9	22.6	22.9	23.0	23.2	22.7	22.3	21.7	21.3	21.0	21.9
1991	20.3	20.6	20.7	22.0	22.9	23.1	22.7	23.7	23.5	22.4	21.7	21.1	22.1
1992	20.3	20.8	21.3	22.6	23.3	24.0	23.4	23.2	23.5	22.5	21.4	21.2	22.3
1993	20.9	20.8	21.6	22.9	23.3	23.9	23.9	23.3	23.3	22.9	23.1	21.9	22.6
1994	21.4	21.5	22.6	23.6	24.3	24.0	24.0	24.2	23.5	22.9	21.6	21.3	22.9
TOTAL	686.1	693.9	724.2	763.8	793.6	800.9	799.4	802.3	789.8	762.9	743.4	711.6	756.0
MEAN	20.2	20.4	21.3	22.5	23.3	23.6	23.5	23.6	23.2	22.4	21.9	20.9	22.2
STDEV.	0.7	0.7	0.5	0.5	0.5	0.4	0.5	0.6	0.5	0.5	0.7	0.7	0.4

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Minimum Temperature at Catabalogan Station (7/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION: CATBALOGAN, WESTERN SAMAR LATITUDE: 11°47' N
 CMO: ANTONIO CABER LONGITUDE: 124°53' E
 PERIOD: 1961-1994 ELEVATION: 5 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	21.2	22.7	22.5	23.5	24.3	24.6	24.3	24.7	24.6	23.0	22.5	22.8	23.4
1962	21.8	21.7	22.2	22.8	23.7	23.5	24.4	23.7	23.6	23.8	22.9	21.8	23.0
1963	21.2	20.9	21.9	21.7	23.7	25.0	24.0	23.4	24.8	22.8	23.1	22.7	22.9
1964	22.0	22.3	21.8	23.5	24.2	23.9	23.7	25.1	24.2	23.4	23.4	22.5	23.3
1965	22.2	21.4	21.9	23.1	23.7	23.7	24.4	23.7	24.5	23.2	23.3	22.9	23.2
1966	22.2	21.7	22.9	23.8	25.0	24.4	23.9	24.8	25.7	23.6	23.6	23.5	23.8
1967	22.4	22.3	22.3	23.2	24.5	25.4	25.1	25.2	24.7	23.8	23.0	22.2	23.7
1968	22.3	21.1	22.8	23.0	24.2	24.4	25.4	25.3	25.6	22.9	21.9	21.9	23.4
1969	21.9	21.6	22.9	24.0	25.4	24.9	24.9	24.2	25.1	23.6	23.2	23.0	23.7
1970	22.3	22.4	23.4	23.9	24.6	24.5	24.3	25.0	24.2	23.8	23.5	23.6	23.8
1971	21.6	22.5	21.6	22.3	24.2	23.6	24.2	24.0	24.6	23.9	23.1	23.3	23.2
1972	22.4	22.3	22.1	23.2	24.1	24.5	26.8	24.3	23.8	23.6	23.4	23.0	23.6
1973	21.4	22.1	22.3	23.9	24.3	24.9	24.4	24.4	23.5	24.2	23.6	22.8	23.5
1974	21.3	22.3	21.5	23.2	23.6	23.9	23.9	25.8	23.7	24.4	23.6	23.2	23.4
1975	22.2	22.1	22.9	24.1	24.2	24.0	23.8	25.1	23.8	23.9	22.6	23.0	23.5
1976	21.8	21.3	22.3	23.3	24.5	22.9	23.2	23.3	23.6	22.6	22.5	22.5	22.8
1977	22.7	22.2	22.3	23.5	24.0	23.5	23.6	23.7	23.9	22.2	22.7	21.8	23.0
1978	21.4	20.7	22.4	23.3	24.3	23.6	24.3	24.8	23.6	23.5	22.5	22.2	23.1
1979	20.9	21.8	22.3	23.3	24.2	24.0	24.6	24.5	23.8	24.1	22.9	22.2	23.2
1980	22.1	21.4	21.7	23.1	24.3	23.9	24.1	24.1	24.7	23.5	23.1	22.8	23.2
1981	21.5	22.3	22.5	24.0	25.0	24.8	24.3	25.7	24.2	23.5	23.3	22.2	23.6
1982	22.0	22.2	22.5	23.6	24.1	24.9	24.3	25.1	24.4	23.4	23.1	22.9	23.5
1983	21.5	20.8	21.9	23.1	24.4	24.8	23.6	24.1	23.4	23.3	22.6	21.7	22.9
1984	21.5	21.5	22.5	23.4	23.8	23.6	23.5	24.4	22.7	23.3	22.5	22.2	22.9
1985	21.0	22.2	22.4	22.9	23.2	24.0	23.1	24.6	23.1	23.0	22.8	22.0	22.9
1986	21.7	20.6	22.7	23.0	24.4	24.0	24.2	24.5	24.0	23.5	23.2	21.7	23.1
1987	21.3	21.2	22.4	23.2	24.4	25.0	23.8	24.3	24.4	23.9	23.6	23.2	23.4
1988	23.1	23.3	23.3	24.6	25.1	24.5	24.6	24.4	24.0	24.1	23.5	22.3	23.9
1989	22.7	22.3	22.4	23.5	24.2	24.4	24.7	25.2	25.0	23.7	22.9	21.7	23.6
1990	22.0	22.1	21.8	24.5	24.8	24.6	25.0	25.4	24.2	23.6	23.0	22.1	23.6
1991	21.6	21.8	21.7	23.0	23.7	24.3	23.9	25.2	25.2	23.7	22.6	-2	23.3
1992	-2	-2	-2	-2	-2	-2	-2	-2	-2	24.8	21.7	21.7	22.7
1993	21.4	21.4	21.7	22.8	23.7	24.2	23.7	24.0	23.4	24.5	24.3	24.2	23.3
1994	23.7	22.8	24.0	24.6	24.9	24.5	25.1	25.2	24.6	23.9	22.5	22.7	24.0
TOTAL	722.3	721.3	737.8	771.9	800.7	800.7	801.1	811.2	798.6	802.0	782.0	744.3	793.5
MEAN	21.9	21.9	22.4	23.4	24.3	24.3	24.3	24.6	24.2	23.6	23.0	22.6	23.3
STDEV.	0.6	0.6	0.6	0.6	0.5	0.6	0.7	0.6	0.7	0.5	0.5	0.6	0.3

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Minimum Temperature at Tacloban Station (8/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION: TACLOBAN CITY, LEYTE
CMO: BONIFACIO FURING
PERIOD: 1961-1994

LATITUDE: 11°47' N
LONGITUDE: 124°53' E
ELEVATION: 5 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	21.8	23.3	23.5	24.5	24.7	24.6	24.0	24.2	24.4	23.7	23.4	23.5	23.8
1962	22.7	22.1	22.9	24.0	24.1	24.4	24.0	23.7	24.3	24.5	23.6	23.1	23.6
1963	22.1	21.8	22.8	23.3	24.8	24.9	24.8	24.2	25.2	24.5	24.4	23.9	23.9
1964	23.5	23.1	23.2	24.3	25.2	24.5	24.6	25.0	24.9	24.3	24.1	23.6	24.2
1965	22.9	22.9	23.2	23.7	24.2	24.0	23.9	24.1	24.5	24.1	23.9	23.2	23.7
1966	22.8	22.8	23.5	24.5	25.1	24.9	24.1	25.0	25.2	24.2	24.1	23.6	24.1
1967	22.6	22.7	22.7	23.6	24.6	24.4	24.9	25.2	24.7	24.3	23.7	23.0	23.9
1968	22.9	22.4	23.3	23.9	24.9	24.9	25.5	25.1	25.1	23.9	22.6	23.2	24.0
1969	22.8	22.5	23.5	24.2	25.4	25.1	24.6	24.8	25.2	24.6	24.0	23.7	24.2
1970	23.2	23.2	23.7	24.6	25.1	24.9	24.7	24.8	24.6	24.2	23.9	23.9	24.2
1971	22.4	22.9	22.5	23.3	24.5	23.9	24.1	24.1	24.5	23.9	23.7	23.6	23.6
1972	22.4	22.9	22.8	23.8	24.1	24.7	26.0	23.9	24.0	24.3	23.6	23.5	23.8
1973	22.5	22.4	22.8	24.0	24.5	25.0	24.2	24.3	24.0	24.2	24.0	23.3	23.8
1974	22.1	22.7	22.4	23.9	24.3	24.1	24.2	25.3	24.5	24.1	23.9	23.0	23.7
1975	22.7	22.9	23.7	24.3	25.1	24.6	24.2	25.0	24.4	24.7	24.0	23.1	24.1
1976	22.4	22.1	23.0	23.9	24.6	23.9	24.3	24.0	24.0	24.3	24.2	23.8	23.7
1977	23.7	22.7	23.3	24.4	25.0	25.0	24.6	25.4	26.1	25.4	24.2	23.6	24.5
1978	23.1	22.4	23.3	24.1	25.4	25.2	24.8	25.2	24.8	25.1	23.9	24.2	24.3
1979	23.2	23.2	23.4	24.6	24.8	25.0	25.3	24.5	24.6	24.8	24.4	23.5	24.3
1980	23.3	22.8	23.0	24.1	24.8	24.6	23.8	23.5	24.1	23.4	23.2	23.2	23.7
1981	21.7	22.0	22.7	23.1	24.8	23.9	23.7	23.8	23.5	23.3	23.1	22.3	23.2
1982	21.9	22.3	22.6	23.4	23.9	23.9	23.3	23.6	23.8	23.6	23.7	23.0	23.3
1983	22.9	21.1	22.9	23.9	25.4	24.8	24.1	24.1	23.9	24.0	23.3	23.0	23.6
1984	22.7	22.6	23.2	24.2	24.2	23.9	23.7	24.1	23.1	23.5	23.4	23.4	23.5
1985	22.5	23.2	23.6	24.2	25.4	25.9	25.0	24.8	23.3	23.6	24.0	23.3	24.1
1986	22.7	22.6	23.1	24.0	24.7	24.0	24.2	24.0	24.0	23.9	24.1	23.0	23.7
1987	22.5	22.1	22.7	23.6	25.2	25.0	24.0	24.5	24.6	24.1	24.0	24.2	23.9
1988	23.8	23.6	23.9	24.7	25.1	24.5	24.5	24.5	24.2	24.5	24.1	23.1	24.2
1989	23.5	23.2	23.2	24.0	24.3	24.4	24.0	24.1	24.4	23.8	23.8	21.9	23.7
1990	22.6	22.5	22.4	24.3	24.1	24.8	24.4	24.3	23.8	23.5	23.3	22.5	23.5
1991	0.0	22.1	22.2	23.3	23.8	24.1	24.0	24.5	24.5	23.9	23.0	22.6	23.5
1992	22.0	21.5	22.1	23.7	24.3	24.8	23.3	24.1	23.8	24.4	23.5	23.3	23.4
1993	22.8	23.3	23.0	24.1	24.8	25.4	24.8	24.6	24.5	24.9	24.7	24.7	24.3
1994	24.0	23.8	24.5	24.7	25.7	25.1	25.0	24.9	24.8	24.9	24.1	24.1	24.6
TOTAL	750.7	769.7	784.6	816.2	840.9	837.1	828.6	831.2	829.3	822.4	808.9	793.9	811.4
MEAN	22.7	22.6	23.1	24.0	24.7	24.6	24.4	24.4	24.4	24.2	23.8	23.3	23.9
STDEV.	0.6	0.6	0.5	0.4	0.5	0.5	0.6	0.5	0.6	0.5	0.4	0.6	0.3

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Minimum Temperature at Surigao Station (11/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION: SURIGAO, SURIGAO DEL NORTE LATITUDE: 09°48' N
 CMO: GERALDINO WARLITO LONGITUDE: 125°30' E
 PERIOD: 1961-1994 ELEVATION: 39 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	22.3	22.7	22.5	23.5	24.1	24.3	23.5	24.5	24.1	23.6	22.8	23.0	23.4
1962	22.6	22.5	22.4	22.9	23.5	23.2	24.1	23.6	24.0	23.8	23.3	22.2	23.2
1963	22.0	21.7	22.2	22.2	23.6	24.3	23.4	23.6	24.6	23.0	23.0	22.7	23.0
1964	22.6	22.9	22.6	23.4	24.4	23.2	22.8	24.1	23.4	23.2	-2	23.4	23.3
1965	23.3	23.2	22.9	23.6	24.0	23.7	24.2	23.6	24.0	23.3	23.0	23.0	23.5
1966	22.5	22.9	23.3	23.9	24.0	23.4	23.3	23.9	24.5	23.2	23.0	23.1	23.4
1967	22.7	22.9	22.1	22.5	23.4	23.9	24.5	24.8	24.4	23.4	23.1	22.4	23.3
1968	22.3	21.9	22.6	22.5	23.4	23.5	24.0	24.2	24.6	23.5	22.5	23.2	23.2
1969	22.6	21.9	22.4	23.3	24.4	24.1	23.9	23.9	24.4	23.2	22.8	23.1	23.3
1970	22.2	22.5	23.2	23.3	23.6	23.6	23.4	23.7	23.2	23.3	23.0	22.6	23.1
1971	21.8	22.2	22.2	22.7	23.2	23.0	23.4	23.1	23.4	22.8	22.9	22.6	22.8
1972	21.9	22.1	21.8	22.4	22.9	23.3	25.3	23.2	24.0	23.4	23.3	23.4	23.1
1973	21.9	22.1	22.7	23.7	23.9	23.9	23.9	23.9	23.2	23.7	23.2	22.9	23.2
1974	22.1	22.5	22.4	23.5	23.3	23.6	23.5	24.1	23.5	23.9	23.6	22.8	23.2
1975	22.3	22.3	22.7	23.5	23.7	23.5	23.1	24.0	23.1	23.2	22.8	22.8	23.1
1976	22.3	21.9	22.5	23.5	24.1	23.6	23.4	23.7	24.0	23.6	23.5	23.2	23.3
1977	23.0	22.6	22.5	23.2	23.6	23.3	23.2	23.9	24.5	-2	22.8	22.7	23.2
1978	21.6	21.8	22.4	22.6	23.3	23.2	23.0	23.5	22.2	22.3	22.1	21.7	22.5
1979	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1980	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1981	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1982	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1983	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1984	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1985	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1986	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1987	-2	-2	24.0	24.1	24.6	24.9	23.8	24.3	24.9	24.0	23.7	23.7	24.2
1988	23.7	23.4	24.1	24.1	24.8	24.1	24.1	23.7	23.8	24.3	24.0	22.9	23.9
1989	23.5	23.6	23.5	23.8	24.2	24.3	24.6	25.1	24.3	24.0	23.5	23.1	24.0
1990	23.1	23.0	23.5	23.8	23.9	24.5	-2	-2	-2	-2	-2	26.4	24.0
1991	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	23.6	22.9	23.3
1992	22.7	23.0	23.3	24.2	25.0	24.9	23.6	25.2	24.9	24.2	23.4	23.3	24.0
1993	23.1	23.0	23.4	23.8	24.6	25.3	24.7	24.4	24.3	24.6	-2	-2	24.1
1994	23.3	23.6	23.7	24.1	25.0	24.4	25.1	24.6	24.3	24.2	23.7	23.6	24.1
TOTAL	541.4	542.2	570.9	584.1	598.5	597.0	571.8	576.6	575.6	541.7	532.6	576.7	608.7
MEAN	22.6	22.6	22.8	23.4	23.9	23.9	23.8	24.0	24.0	23.6	23.2	23.1	23.4
STDEV.	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.5	0.7	0.5	0.4	0.8	0.4

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Minimum Temperature at Malaybalay Station (12/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION:	MALAYBALAY BUKIDNON	LATITUDE:	08°09' N
CMO:	JOVITO CABANOG	LONGITUDE:	125°05 E
PERIOD:	1961-1994	ELEVATION:	627 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	18.1	18.4	17	18.3	19.4	19.2	18.3	19	18.6	18.2	17.7	18.2	18.4
1962	18.7	18.5	17.3	17.3	18.5	16.1	18.2	18.4	18.9	18.7	18.2	18.3	18.1
1963	18.1	17.8	17.7	17	18.8	19.1	18.7	19.4	19	18.8	18.2	17.6	18.4
1964	17.1	18	16.9	18.5	19.3	18.6	18.2	17.8	18.7	18.7	18.5	18	18.2
1965	17.4	17.4	18.2	18.1	18.4	19.2	19.1	18.6	18.5	18.2	17.8	17	18.2
1966	17.5	16.2	16.7	19.1	20.2	19.7	18.9	19	18.4	18.4	18.3	18.3	18.4
1967	17.9	18.3	17.7	17.5	18.5	18.7	18.8	18.3	18.3	18.2	18.1	17.3	18.1
1968	18.2	17.5	17.3	17.5	18.8	19.2	19	19.2	18.7	18.4	18.5	18.5	18.4
1969	16.7	16.7	17	18	19.6	19.7	19.3	18.7	19.3	18.7	19.1	18.9	18.5
1970	17.7	18.7	18.1	17.9	18.9	19.2	19.1	18.8	18.8	19	18.4	18.3	18.6
1971	18.5	18.1	18.6	19.5	19.4	17.8	19.1	18.2	18.5	19	18.6	16.3	18.5
1972	17.5	16.8	17.5	17.6	18.9	19.4	19.8	18.8	19.9	18.5	18.6	18.2	18.5
1973	16.1	16.2	17.5	18.9	19	19.4	18.8	19.2	18.8	18.4	18.8	18.7	18.3
1974	17.4	18.2	17.4	18.8	18.2	19.1	19	18.9	19.2	19.5	18.7	18.5	18.6
1975	17.2	17.1	17.4	18.4	19.1	19.2	18.3	18.3	18.8	18.7	17.5	17.6	18.1
1976	17.7	16.7	16.7	17.6	18.9	18.7	19.1	18.6	18.4	19	19	18.2	18.2
1977	17.7	17.2	17.1	17.3	19.1	19.7	20.2	19.7	19.4	19.4	19.7	18.5	18.7
1978	17.8	18.4	17.6	19.2	20.2	19.5	19.6	19.6	19.8	19.8	19.8	19.3	19.2
1979	19	18	18.8	19.4	20	20.7	19.9	19.8	19.6	19.6	18.5	18.6	19.3
1980	18.7	17	17.4	18.2	18.8	20	20	20.4	20.2	19.9	19.9	19.7	19.2
1981	18.6	17.5	16.5	17.7	19.4	19.4	19.2	18.5	19	18.9	18.8	18.5	18.5
1982	18.9	17.8	18.1	18.1	19	19.4	19	19.2	18.7	18.1	18	18.2	18.5
1983	17	15.4	16.8	16.7	19.2	19.9	19.4	19.5	19.3	19.4	19.1	19	18.4
1984	18.4	18.5	18.1	19.3	19.2	19.3	18.7	18.8	18.4	19.1	18.6	18.5	18.7
1985	17.9	17.8	17.6	18.4	18.9	19	18.6	18.5	18	18.4	18.3	18.4	18.3
1986	18.5	17.2	18.1	16.8	18.3	18.4	18.2	17.6	17.2	18.1	18.7	16.9	17.8
1987	17.6	17.3	17	18	18.6	19.6	19	18.9	18.7	19	19.3	18.3	18.4
1988	17.4	17.8	17.7	18.4	19.4	19.6	19.4	18.7	19.1	19.3	19	18.5	18.7
1989	18.3	18.3	17.8	18.7	19	18.8	19	18.7	18.4	18.8	17.8	17.4	18.4
1990	17.6	16.9	17.4	18.4	19.1	19.3	18.2	18	18.3	18.4	18.3	16.4	18
1991	16.9	16.3	17	18	18.9	19.5	19.1	19.4	18.8	18.6	18.6	17.9	18.3
1992	16.6	16.4	16.9	18.3	19.4	19.3	19.4	19	18.7	19.6	18.4	17.4	18.3
1993	17.6	17.5	16.9	17.5	18.9	19.4	19.6	19.1	18.8	18.6	19	19.5	18.5
1994	17.5	17.3	18.3	19	19.4	19.2	19	18.5	18.7	18.5	17.6	17.6	18.4
TOTAL	603.8	593.2	594.1	617.4	648.7	652.3	647.2	641.1	639.9	639.9	631.4	616.5	627.1
MEAN	17.8	17.4	17.5	18.2	19.1	19.2	19	18.9	18.8	18.8	18.6	18.1	18.4
STDEV	0.7	0.8	0.6	0.7	0.5	0.7	0.5	0.6	0.6	0.5	0.6	0.8	0.3

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS

Table E.1-3 Monthly Maximum Temperature at Davao Station (13/13)

MONTHLY MEAN AND ANNUAL CLIMATIC DATA
MINIMUM TEMPERATURE Degrees C

STATION: DAVAO CITY, DAVAO DEL SUR LATITUDE: 07°07' N
 CMO: CARLOS ARISPE LONGITUDE: 125°39' E
 PERIOD: 1961-1994 ELEVATION: 18 M

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	21.0	22.0	22.0	22.7	22.8	22.0	21.6	22.0	22.3	22.4	22.2	22.5	22.1
1962	22.0	21.9	22.1	22.8	23.2	22.6	22.8	22.7	22.6	23.1	22.7	22.7	22.6
1963	22.3	21.8	22.3	22.8	23.2	23.1	22.7	22.8	23.0	22.7	22.8	22.2	22.6
1964	22.0	22.1	21.8	23.1	23.2	22.8	22.3	22.6	22.7	22.7	22.5	22.4	22.5
1965	21.8	22.1	22.7	22.5	22.9	22.8	22.6	22.6	22.9	22.6	22.3	21.8	22.5
1966	20.9	21.2	22.6	23.1	23.5	22.8	23.0	23.0	23.1	22.9	22.8	22.6	22.6
1967	22.4	22.1	22.5	22.8	23.2	23.5	23.2	23.2	23.2	22.8	22.7	22.1	22.8
1968	22.1	22.0	22.1	22.9	22.9	23.0	22.9	23.1	22.7	22.8	22.5	22.4	22.6
1969	21.2	21.8	21.9	22.6	23.7	23.3	22.2	22.5	22.5	22.5	22.3	22.2	22.4
1970	21.7	21.7	21.9	22.3	22.9	22.7	21.9	21.5	21.7	21.8	21.4	21.6	21.9
1971	21.8	22.4	23.0	23.1	23.1	22.8	23.0	22.4	22.4	22.6	22.0	21.9	22.5
1972	21.2	21.4	21.6	22.1	22.4	22.1	22.2	21.7	22.1	22.0	22.1	21.5	21.9
1973	21.1	20.8	22.0	22.2	22.3	22.1	21.9	21.4	22.5	23.2	22.8	22.5	22.1
1974	21.9	21.9	22.5	23.0	23.3	22.9	22.8	23.1	23.2	23.1	23.1	22.6	22.8
1975	22.1	21.9	22.7	23.0	22.8	22.8	22.7	22.7	22.8	23.1	22.1	21.5	22.5
1976	21.3	21.0	21.8	22.3	22.9	22.7	23.0	22.7	22.6	22.4	22.0	21.9	22.2
1977	21.1	21.0	21.4	22.4	22.7	22.4	22.7	22.5	22.6	21.7	22.9	22.4	22.1
1978	21.6	22.1	22.1	22.9	23.5	22.6	22.8	23.0	22.9	23.4	23.3	22.9	22.8
1979	22.6	22.8	22.8	24.0	23.7	23.7	23.3	23.8	23.2	23.5	23.4	22.9	23.3
1980	22.9	22.2	22.7	23.4	23.9	23.7	23.1	23.2	23.1	23.2	23.2	23.0	23.1
1981	22.5	22.6	23.0	23.4	24.3	23.7	23.2	23.3	23.4	23.2	23.4	22.7	23.2
1982	22.4	22.8	23.2	23.7	24.0	23.5	23.0	23.0	23.2	22.7	22.9	23.2	23.1
1983	22.4	22.0	22.6	23.5	24.8	24.3	23.4	23.6	23.7	23.4	23.5	23.1	23.4
1984	22.8	22.7	22.9	23.4	24.0	23.3	23.1	23.5	22.7	23.0	23.2	23.4	23.2
1985	22.4	23.4	23.4	23.9	23.9	23.9	22.6	22.7	22.8	22.3	23.0	22.5	23.1
1986	22.8	22.2	22.9	23.1	23.9	23.1	23.0	23.4	23.2	23.3	23.4	22.3	23.0
1987	22.6	22.7	23.3	24.2	24.4	24.4	24.2	23.7	23.8	23.7	24.3	23.8	23.8
1988	23.9	23.5	23.8	24.2	24.6	23.9	23.7	23.7	23.9	24.0	24.0	23.3	23.9
1989	23.6	23.8	23.0	23.5	23.8	23.7	23.2	23.4	23.2	23.4	23.2	22.4	23.3
1990	22.6	22.3	23.0	24.0	24.5	24.2	23.8	24.0	23.4	23.7	23.4	23.1	23.5
1991	22.9	22.8	23.2	23.9	24.4	24.3	23.7	24.0	24.0	23.7	23.7	23.1	23.6
1992	23.1	23.3	23.5	24.8	25.1	24.5	23.9	23.9	23.7	23.8	23.4	22.9	23.8
1993	22.9	22.9	23.3	23.6	24.3	24.0	23.7	23.4	22.9	23.1	23.7	23.9	23.5
1994	22.7	23.1	23.4	23.9	24.0	23.2	23.6	23.1	23.5	23.4	23.2	22.9	23.3
TOTAL	754.6	756.3	769.0	789.1	802.1	790.4	780.8	781.2	781.5	781.2	779.4	768.2	777.8
MEAN	22.2	22.2	22.6	23.2	23.6	23.2	23.0	23.0	23.0	23.0	22.9	22.6	22.9
STDEV	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.5	0.6	0.6	0.6	0.6

**NOTE: -2 means data is missing.

PREPARED BY: PAGASA/CAB/CDS