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# POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICITS FOR TROPICAL AMERICA

— A resume of the preliminary climatic data used for the  
LAND RESOURCES EVALUATION STUDY of Tropical,  
America by the Centro Internacional de Agricultura  
Tropical.



COLECCION HISTORICA

Data compiled by:  
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Robert W. Hill  
and  
George H. Hargreaves  
Utah State University

Beef Program

CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL  
Apartado Aereo 67-13. Cali-Colombia

March 1979

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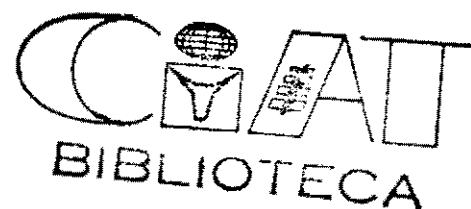
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## PROLOGUE

The Centro Internacional de Agricultura Tropical is currently conducting a land resources evaluation study of Tropical America, to provide a more comprehensive basis for research priority definition, and to help with the interchange of technology. As a part of this work, land is being classified in terms of land systems or "repetitive patterns of climate, landscape and soils", and a computerized data storage, analysis, retrieval and print-out facility has been created. The data presented in this report is a straight "print-out" of the preliminary climatic data used to help define "land systems", as this data is constantly in demand by agronomists in the many countries vinculated with CIAT.

T. T. Cochrane  
Land Resources Specialist

## INTRODUCTION

The agricultural production of any area depends greatly upon the climate and soils of that area. The agricultural production and a good understanding of the variations and effects of available moisture is essential in predicting the potential crop production of a given area, whether that crop is food for human consumption or grass for use as cattle feed. The normal estimator of moisture availability has been the long-term mean rainfall, but this long-term mean rainfall is not very useful in predicting year-to-year precipitation. Clearly, a more dependable estimate of precipitation would be beneficial.

The water consumed by plants, consumptive use, is influenced by available moisture as well as the plant type and growth stage. Evapotranspiration is the common term denoting the moisture lost through evaporation from the soil and transpiration from the plant. Evapotranspiration is a function of many climatic factors such as wind, humidity, temperature and solar radiation. It has been shown that temperature and solar radiation are the most important factors in determining





potential evapotranspiration from an extended surface of 8 to 15 centimeters tall green grass cover, actively growing, completely shading the ground, and not short of water. An accurate estimate of potential evapotranspiration can be useful in predicting the need for irrigation or drainage and can also be used to help determine the agricultural potential of an area.

This report presents climatic data for several hundred stations in Latin America. A potential evapotranspiration was estimated and a moisture availability index was computed from this data.

#### METHODOLOGY

The 75% probability of precipitation occurrence, which can be described as the amount of precipitation that will be equaled or exceeded in three out of four years, was calculated using the mean monthly precipitation given by Wernstedt (1) in a straight line relationship that changed according to the area being analyzed. These relationships were developed from previous studies that used yearly rainfall records and a gamma distribution calculation to estimate the 75% probability of occurrence. The equation used in each country or area was in the following form:

$$PD = A + B \times PM \quad . \quad . \quad . \quad (1)$$

where PD is the dependable or 75% probability of precipitation, PM is the mean monthly precipitation and A and B take the following values for each area or country:

	A Value	B Value
Central America	-23.0	0.84
Brazil		
Area I	-20.0	0.85
Area II	- 9.0	0.57
Area III	-23.0	0.79
Area IV	-11.0	0.67
Area V	-11.0	0.67
Bolivia	-10.0	0.69
Colombia	-25.0	0.84
Ecuador	- 5.0	0.64
French Guiana	-14.0	0.77
Guyana	-14.0	0.77
Paraguay	-10.0	0.69
Peru		
Area I	- 1.0	0.18
Area II	- 5.0	0.70
Surinam	-14.0	0.77
Uruguay	-10.0	0.69
Venezuela	-14.0	0.77
Carribean Islands	-23.0	0.84

according to Hargreaves (2). Hargreaves' method requires the use of temperature data and solar radiation data. When temperature data was not available for a station an estimation was made based on stations that were closely related and by the relationship between elevation and temperature. Temperature decreases by an amount of about 0.0055 times the elevation in meters, or in other words, there is a reduction of 5.5°C for every 1000 meters of elevation increase.

When solar radiation data was not available for a station, estimates were made from solar radiation maps developed by Loff (3) or were computed from a multiple regression equation using



such values as longitude and latitude, precipitation, etc. The solar radiation, RS, in Langleys per day was converted to equivalent millimeters of evaporation per month, RSM, by correcting for the number of days in the month, DM, and the latent heat of evaporation of water, L, as:

$$RSM = 10 DM \times RS/L \quad (2)$$

The average latent heat of vaporization, L, for a month was calculated from the mean monthly air temperature in degrees centigrade, TMC, by means of:

$$L = 595.9 - 0.55 \times TMC \quad (3)$$

Potential evapotranspiration, ETP, in mm per month was approximated by:

$$ETP = 0.0075 \times RSM \times TMC \quad (4)$$

A justification and more detailed explanation of the procedure is given by Hargreaves (2).

#### TABULAR PRESENTATION

The results of the study are presented by country and sometimes within the country by zones (Fig. 1) that were developed to improve the reliability of the results. Each station is presented with longitude, latitude, and elevation. Below each station are presented the following values:

Mean temperature in degrees Celcius	- MEAN TEMP
Percent possible sun	- PCT SUN
Mean solar radiation in Langleys/ day	- MEAN RAD

Mean precipitation in millimeters	- PRECIP
Potential evapotranspiration in mm	- POT ET
Precipitation deficit in millimeters	- DEF PREC
Dependable precipitation in millimeters	- DEP PREC
Moisture-Availability Index	- MAI

In some countries the relative humidity was also estimated and appears on the printouts as MEAN R.H.

#### ACKNOWLEDGMENTS

The work herein was financed by the Centro Internacional de Agricultura Tropical through its contract with Utah State University. The views presented are those of the authors and do not necessarily represent those of the Centro Internacional de Agricultura Tropical or of Utah State University.

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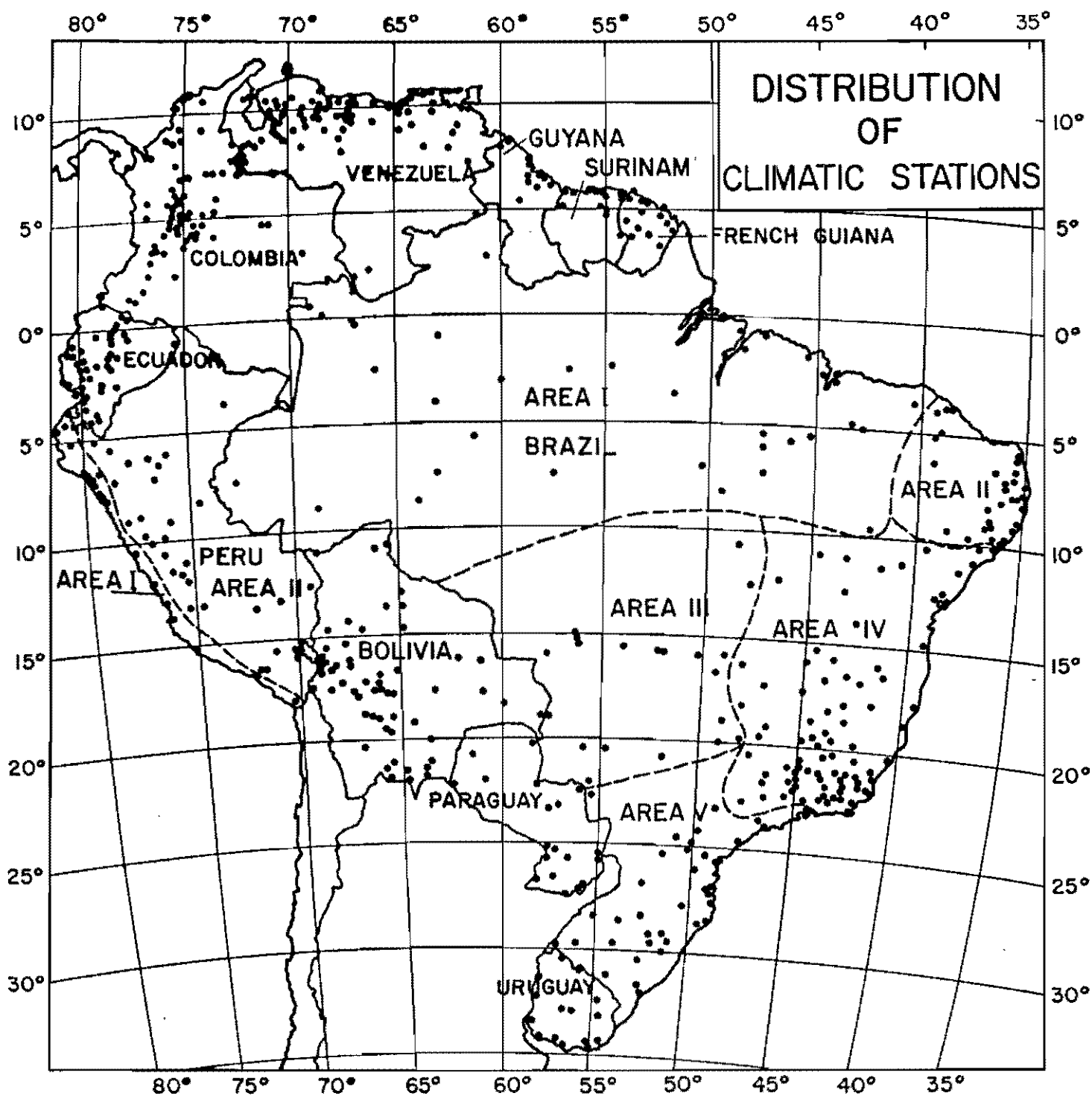


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Fig. 1





POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BELIZE

BELIZE	LAT 17 30 LON 88 11 5. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	24.2	25.5	26.7	27.3	27.3	27.2	27.6	27.2	26.1	24.4	23.6	25.9
PCT SUN	49.	64.	63.	44.	40.	33.	32.	45.	44.	49.	62.	55.	48.
MEAN RAD.	360.	460.	510.	460.	450.	410.	400.	470.	440.	420.	420.	370.	431.
PRECIP.	136.	63.	38.	51.	105.	205.	163.	168.	235.	307.	209.	185.	1866.
POT ET	107.	125.	159.	143.	146.	129.	130.	154.	138.	133.	123.	110.	1597.
DEF PREC	-29.	62.	121.	91.	42.	-76.	-34.	-14.	-97.	-175.	-85.	-75.	-269.
DEP PREC	91.	30.	9.	20.	65.	150.	114.	118.	174.	235.	152.	133.	
MAI	0.85	0.24	0.06	0.14	0.44	1.16	0.88	0.77	1.26	1.77	1.23	1.21	

MANGO CREEK	LAT 16 33 LON 88 35 4. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	52.	68.	67.	44.	40.	32.	32.	41.	39.	43.	63.	56.	48.
MEAN RAD.	380.	480.	530.	460.	450.	400.	400.	450.	420.	400.	430.	380.	432.
PRECIP.	121.	77.	47.	47.	133.	363.	382.	290.	335.	288.	195.	115.	2393.
POT ET	120.	139.	174.	148.	148.	124.	130.	144.	128.	126.	130.	119.	1630.
DEF PREC	-1.	62.	127.	101.	15.	-239.	-252.	-146.	-207.	-162.	-65.	4.	-763.
DEP PREC	79.	42.	17.	16.	88.	282.	298.	220.	258.	219.	141.	74.	
MAI	0.66	0.30	0.10	0.11	0.60	2.28	2.29	1.53	2.01	1.73	1.08	0.62	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

ALCOCHE		LAT 15 43 LON 67 40 560. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.0	25.2	24.6	23.5	22.1	21.8	23.8	25.0	25.6	26.1	25.5	24.6
PCT SUN	35.	51.	48.	48.	69.	65.	62.	50.	46.	46.	47.	48.	51.
MEAN RAD.	440.	520.	470.	415.	435.	390.	395.	400.	440.	485.	510.	520.	452.
PRECIP.	238.	207.	185.	122.	67.	37.	31.	62.	113.	134.	165.	280.	1641.
POT ET	139.	148.	145.	122.	129.	108.	112.	120.	131.	152.	156.	162.	1625.
DEF PREC	-99.	-59.	-40.	0.	62.	71.	81.	58.	18.	17.	-9.	-118.	-17.
DEP PREC	154.	133.	118.	74.	36.	16.	11.	33.	68.	83.	104.	183.	
MAI	1.11	0.90	0.81	0.61	0.28	0.14	0.10	0.27	0.52	0.55	0.67	1.13	

ALTO (EL)		LAT 16 30 LON 68 12 4107. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	9.1	8.8	9.0	8.9	8.1	7.3	7.1	7.9	8.4	9.9	10.2	9.6	8.7
PCT SUN	50.	49.	51.	51.	78.	67.	64.	59.	51.	57.	49.	55.	57.
MEAN RAD.	530.	510.	480.	425.	455.	390.	395.	430.	460.	535.	520.	560.	474.
PRECIP.	125.	108.	64.	25.	12.	3.	5.	13.	36.	32.	46.	89.	558.
POT ET	101.	87.	91.	78.	83.	67.	70.	78.	82.	105.	100.	109.	1051.
DEF PREC	-24.	-21.	27.	53.	71.	64.	65.	65.	46.	73.	54.	20.	493.
DEP PREC	76.	65.	34.	7.	0.	0.	0.	0.	15.	12.	22.	51.	
MAI	0.75	0.75	0.38	0.09	0.00	0.00	0.00	0.00	0.18	0.12	0.22	0.47	

ANGOSTURA (LA)		LAT 17 32 LON 66 3 2698. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.2	17.3	17.3	16.3	14.5	12.2	11.4	13.8	15.6	17.8	19.2	18.1	15.9
PCT SUN	49.	45.	47.	55.	64.	66.	65.	59.	47.	45.	48.	52.	54.
MEAN RAD.	530.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	458.
PRECIP.	158.	135.	40.	12.	2.	1.	1.	1.	9.	22.	42.	71.	492.
POT ET	132.	111.	115.	102.	93.	78.	81.	95.	101.	121.	133.	141.	1305.
DEF PREC	-26.	-24.	75.	91.	92.	77.	80.	94.	93.	98.	91.	71.	813.
DEP PREC	99.	83.	18.	0.	0.	0.	0.	0.	0.	6.	19.	39.	
MAI	0.75	0.75	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.14	0.27	

# POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

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## ANZALDO

LAT 17 40 LON 65 54 2803. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	15.2	16.2	17.7	15.7	14.4	13.1	14.5	16.0	17.8	19.8	18.5	17.8	16.4
PCT SUN	49.	45.	47.	55.	64.	67.	65.	59.	47.	45.	48.	52.	54.
MEAN RAD.	530.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	458.
PRECIP.	231.	225.	171.	88.	41.	38.	33.	37.	67.	120.	162.	187.	1401.
POT ET	125.	107.	117.	101.	93.	81.	90.	102.	108.	128.	131.	140.	1321.
DEF PREC	-106.	-118.	-55.	12.	52.	43.	56.	66.	41.	8.	-31.	-48.	-79.
DEP PREC	150.	145.	108.	51.	18.	16.	13.	15.	37.	73.	102.	119.	
MAI	1.20	1.35	0.93	0.51	0.20	0.20	0.15	0.15	0.34	0.57	0.78	0.86	

## APOLO

LAT 14 43 LON 68 30 1383. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.8	20.7	20.6	20.0	19.1	18.1	17.8	19.3	20.6	21.1	21.1	21.0	20.0
PCT SUN	33.	42.	42.	40.	53.	66.	60.	54.	44.	43.	44.	45.	47.
MEAN RAD.	430.	470.	440.	385.	385.	400.	395.	420.	430.	465.	490.	500.	434.
PRECIP.	191.	173.	179.	115.	63.	36.	25.	43.	71.	121.	142.	200.	1359.
POT ET	119.	117.	121.	101.	102.	99.	100.	111.	114.	130.	132.	139.	1386.
DEF PREC	-72.	-56.	-58.	-14.	39.	63.	75.	68.	43.	9.	-10.	-61.	27.
DEP PREC	122.	109.	114.	69.	34.	15.	7.	20.	39.	74.	88.	128.	
MAI	1.03	0.93	0.94	0.69	0.33	0.15	0.07	0.18	0.34	0.57	0.67	0.92	

## BELEN (EL)

LAT 16 3 LON 68 41 3821. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	9.1	8.9	8.5	7.2	5.6	3.5	3.6	4.9	6.9	8.0	8.7	8.7	7.0
PCT SUN	50.	49.	50.	51.	76.	66.	63.	58.	51.	57.	49.	55.	56.
MEAN RAD.	530.	510.	480.	425.	455.	390.	395.	430.	460.	535.	520.	560.	474.
PRECIP.	89.	78.	63.	29.	29.	13.	6.	11.	27.	30.	45.	90.	510.
POT ET	101.	87.	89.	73.	75.	57.	60.	69.	78.	98.	94.	105.	985.
DEF PREC	12.	9.	26.	44.	46.	44.	54.	58.	51.	68.	49.	15.	476.
DEP PREC	51.	44.	34.	10.	10.	0.	0.	0.	9.	11.	21.	52.	
MAI	0.51	0.50	0.38	0.14	0.13	0.00	0.00	0.00	0.11	0.11	0.22	0.50	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

BERMEJO		LAT 22 11 LON 64 38 414. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.8	26.9	25.0	22.9	19.0	15.7	16.3	18.1	21.9	24.8	25.9	27.6	22.7
PCT SUN	57.	41.	53.	70.	75.	61.	80.	60.	65.	60.	38.	40.	58.
MEAN RAD.	580.	470.	480.	465.	405.	330.	395.	400.	500.	545.	470.	490.	461.
PRECIP.	235.	259.	195.	118.	45.	16.	27.	4.	9.	94.	116.	233.	1351.
POT ET	191.	137.	148.	131.	107.	76.	96.	103.	138.	167.	143.	160.	1596.
DEF PREC	-44.	-122.	-47.	13.	62.	60.	69.	99.	129.	73.	27.	-72.	245.
DEP PREC	152.	169.	125.	72.	21.	1.	9.	0.	0.	55.	70.	151.	
MAI	0.80	1.24	0.94	0.54	0.20	0.01	0.09	0.00	0.00	0.33	0.49	0.94	

CAMIRI		LAT 20 6 LON 63 3 780. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	25.3	24.2	21.8	19.7	17.3	17.9	20.9	23.9	25.7	26.3	26.3	22.9
PCT SUN	43.	40.	46.	49.	60.	64.	66.	53.	51.	45.	42.	33.	49.
MEAN RAD.	500.	460.	450.	400.	375.	355.	375.	390.	450.	475.	490.	440.	430.
PRECIP.	159.	142.	89.	46.	26.	11.	7.	6.	12.	40.	77.	132.	747.
POT ET	157.	129.	136.	110.	101.	86.	96.	108.	130.	149.	150.	140.	1492.
DEF PREC	-2.	-13.	47.	64.	75.	75.	88.	102.	119.	109.	74.	8.	745.
DEP PREC	100.	88.	51.	22.	8.	0.	0.	0.	0.	18.	43.	81.	
MAI	0.63	0.68	0.38	0.20	0.08	0.00	0.00	0.00	0.00	0.12	0.29	0.58	

COBIJA		LAT 11 1 LON 66 44 280. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.3	25.1	24.7	24.1	22.9	22.5	23.1	25.6	25.9	25.9	25.5	24.7
PCT SUN	25.	31.	31.	32.	38.	55.	51.	47.	33.	31.	26.	27.	36.
MEAN RAD.	360.	400.	380.	355.	345.	390.	385.	410.	380.	395.	370.	380.	379.
PRECIP.	233.	222.	213.	192.	80.	25.	25.	36.	94.	165.	192.	251.	1728.
POT ET	113.	112.	117.	105.	104.	110.	111.	120.	115.	124.	113.	118.	1363.
DEF PREC	-120.	-110.	-96.	-87.	24.	85.	86.	84.	21.	-41.	-79.	-132.	-365.
DEP PREC	151.	143.	137.	123.	45.	7.	7.	15.	55.	104.	123.	163.	
MAI	1.34	1.28	1.17	1.17	0.44	0.07	0.07	0.12	0.48	0.84	1.09	1.38	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

COPACABANA		LAT 16 10 LON 69 5 3823. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	12.0	13.0	12.4	10.4	10.0	8.8	9.0	9.8	10.8	13.2	13.5	13.7	11.4
PCT SUN	50.	47.	53.	51.	73.	66.	63.	56.	49.	47.	49.	48.	54.
MEAN RAD.	530.	500.	490.	425.	445.	390.	395.	420.	450.	485.	520.	520.	464.
PRECIP.	161.	151.	131.	131.	140.	33.	9.	23.	55.	55.	41.	176.	1104.
POT ET	112.	99.	105.	82.	88.	71.	75.	82.	88.	107.	112.	117.	1138.
DEF PREC	-48.	-52.	-26.	-49.	-52.	38.	66.	59.	34.	52.	71.	-59.	34.
DEP PREC	101.	94.	81.	80.	87.	13.	0.	6.	28.	28.	19.	112.	
MAI	0.90	0.95	0.77	0.98	0.99	0.18	0.00	0.07	0.31	0.26	0.17	0.96	

CONCEPCION		LAT 16 15 LON 62 3 490. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.6	25.0	22.7	22.5	20.8	20.8	23.4	25.9	26.4	26.4	26.3	24.3
PCT SUN	30.	37.	36.	37.	44.	66.	64.	56.	38.	36.	35.	46.	44.
MEAN RAD.	410.	440.	405.	365.	345.	390.	395.	420.	400.	425.	440.	510.	412.
PRECIP.	175.	157.	135.	65.	64.	39.	30.	29.	50.	98.	136.	150.	1128.
POT ET	129.	124.	125.	103.	100.	104.	109.	124.	122.	135.	135.	162.	1472.
DEF PREC	-46.	-33.	-10.	38.	36.	65.	79.	95.	72.	37.	-0.	12.	344.
DEP PREC	111.	98.	83.	35.	34.	17.	11.	10.	25.	58.	84.	94.	
MAI	0.66	0.79	0.67	0.34	0.34	0.16	0.10	0.08	0.20	0.43	0.62	0.58	

COCHABAMBA		LAT 17 23 LON 66 9 2554. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.3	18.7	18.9	18.4	16.5	14.6	14.6	16.6	18.8	20.9	21.2	19.9	18.2
PCT SUN	42.	45.	47.	55.	63.	66.	65.	59.	47.	45.	48.	52.	53.
MEAN RAD.	490.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	455.
PRECIP.	113.	104.	61.	16.	5.	1.	2.	5.	7.	17.	40.	97.	468.
POT ET	130.	116.	121.	109.	99.	85.	90.	104.	111.	132.	141.	148.	1386.
DEF PREC	17.	12.	60.	93.	94.	84.	88.	99.	104.	115.	101.	51.	917.
DEP PREC	68.	62.	32.	1.	0.	0.	0.	0.	0.	2.	18.	57.	
MAI	0.52	0.53	0.27	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.38	

LAT 18 53 LON 66 17 3721. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.1	12.6	12.7	11.4	8.1	5.7	5.5	7.8	10.5	13.0	13.9	13.5	10.7
PCT SUN	52.	47.	49.	59.	67.	74.	70.	63.	53.	55.	57.	46.	58.
MEAN RAD.	550.	500.	470.	445.	405.	390.	395.	430.	460.	525.	570.	520.	472.
PRECIP.	67.	72.	62.	12.	4.	3.	1.	1.	23.	8.	26.	71.	350.
POT ET	121.	98.	102.	89.	74.	63.	65.	78.	89.	115.	124.	116.	1134.
DEF PREC	54.	26.	40.	77.	70.	60.	64.	77.	66.	107.	98.	45.	784.
DEP PREC	36.	40.	33.	0.	0.	0.	0.	0.	6.	0.	8.	39.	
MAI	0.30	0.41	0.32	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.06	0.34	

LAT 17 12 LON 66 6 4004. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	8.1	7.8	8.6	7.1	6.6	5.2	5.3	6.4	7.1	8.9	9.5	9.2	7.5
PCT SUN	42.	45.	47.	54.	63.	65.	64.	59.	47.	45.	48.	53.	53.
MEAN RAD.	490.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	455.
PRECIP.	154.	149.	116.	28.	22.	23.	4.	13.	43.	41.	43.	72.	709.
POT ET	90.	80.	86.	74.	70.	60.	64.	73.	75.	90.	97.	105.	963.
DEF PREC	-64.	-69.	-30.	46.	47.	37.	60.	60.	32.	48.	54.	34.	254.
DEP PREC	96.	93.	70.	10.	6.	6.	0.	0.	20.	19.	20.	40.	
MAJ	1.07	1.16	0.82	0.13	0.08	0.10	0.00	0.00	0.26	0.21	0.21	0.38	

LAT 17 35 LON 69 26 4056. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	10.8	10.2	9.9	9.1	7.0	4.6	4.6	5.8	7.9	9.9	11.1	11.2	8.5
PCT SUN	51.	51.	53.	60.	77.	63.	85.	50.	59.	55.	62.	52.	60.
MEAN RAD.	540.	520.	490.	455.	445.	370.	445.	390.	490.	525.	590.	550.	484.
PRECIP.	72.	69.	49.	6.	3.	3.	1.	5.	5.	3.	17.	44.	277.
POT ET	110.	93.	96.	84.	78.	57.	70.	65.	86.	103.	117.	113.	1073.
DEF PREC	38.	24.	47.	78.	75.	54.	69.	60.	81.	100.	100.	69.	795.
DEP PREC	40.	38.	24.	0.	0.	0.	0.	0.	0.	0.	2.	20.	
MAI	0.36	0.40	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18	



## CHULUNANI

LAT 16 22 LON 67 30 1581. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	21.4	21.2	20.8	19.4	18.2	18.1	19.3	20.3	21.4	21.9	21.5	20.4
PCT SUN	34.	51.	48.	49.	71.	67.	64.	51.	47.	47.	47.	47.	52.
MEAN RAD.	440.	520.	470.	415.	435.	390.	395.	400.	440.	485.	510.	520.	452.
PRECIP.	170.	219.	135.	63.	36.	19.	25.	58.	93.	101.	116.	203.	1238.
POT ET	124.	132.	131.	111.	116.	97.	101.	106.	116.	136.	141.	146.	1457.
DEF PREC	-46.	-87.	-4.	48.	80.	78.	77.	48.	23.	35.	24.	-57.	220.
DEP PREC	107.	141.	83.	34.	15.	3.	7.	30.	54.	60.	70.	130.	
MAI	0.87	1.07	0.63	0.30	0.13	0.03	0.07	0.28	0.47	0.44	0.50	0.89	

## CHUQUINA

LAT 17 51 LON 67 25 3824. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.4	11.4	11.4	10.7	8.6	6.2	7.5	10.1	11.1	12.0	11.9	11.9	10.4
PCT SUN	49.	51.	49.	55.	78.	64.	67.	57.	52.	53.	46.	47.	56.
MEAN RAD.	530.	520.	470.	435.	445.	370.	395.	415.	460.	515.	510.	520.	465.
PRECIP.	74.	79.	62.	13.	6.	2.	2.	7.	18.	13.	22.	62.	360.
POT ET	110.	97.	97.	85.	83.	61.	71.	82.	91.	109.	104.	110.	1100.
DEF PREC	36.	18.	35.	72.	77.	59.	69.	75.	73.	96.	82.	48.	740.
DEP PREC	41.	45.	33.	0.	0.	0.	0.	0.	3.	0.	5.	33.	
MAI	0.37	0.46	0.34	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.30	

## GUAQUI

LAT 16 36 LON 68 52 3816. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	8.8	9.4	8.9	7.5	5.9	4.5	4.4	5.1	7.5	8.2	10.2	9.8	7.5
PCT SUN	50.	49.	51.	51.	78.	67.	64.	59.	51.	57.	49.	55.	57.
MEAN RAD.	530.	510.	480.	425.	455.	390.	395.	430.	460.	535.	520.	560.	474.
PRECIP.	213.	145.	48.	57.	38.	12.	6.	2.	30.	26.	37.	117.	730.
POT ET	100.	89.	91.	74.	76.	59.	62.	69.	80.	98.	100.	109.	1007.
DEF PREC	-113.	-56.	43.	17.	38.	47.	56.	67.	50.	72.	63.	-7.	277.
DEP PREC	137.	90.	23.	29.	16.	0.	0.	0.	11.	8.	15.	71.	
MAI	1.37	1.02	0.25	0.40	0.21	0.00	0.00	0.00	0.14	0.08	0.15	0.65	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

GUAYARAMERIN

LAT 10 48 LON 65 22 172. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	26.5	27.0	26.7	26.1	26.1	26.1	25.9	27.7	28.5	26.3	26.2	26.6
PCT SUN	21.	29.	29.	24.	42.	68.	64.	49.	33.	29.	21.	23.	36.
MEAN RAD.	330.	390.	370.	305.	365.	435.	435.	420.	380.	385.	330.	350.	375.
PRECIP.	242.	172.	226.	137.	46.	23.	0.	4.	56.	104.	212.	227.	1450.
POT ET	105.	112.	119.	95.	115.	133.	138.	132.	121.	129.	101.	111.	1411.
DEF PREC	-137.	-60.	-106.	-43.	69.	110.	138.	128.	65.	25.	-111.	-116.	-39.
DEP PREC	157.	109.	146.	85.	22.	6.	0.	0.	29.	62.	137.	147.	
MAI	1.50	0.97	1.22	0.90	0.19	0.05	0.00	0.00	0.24	0.48	1.35	1.32	

IRUPANA

LAT 16 25 LON 67 28 1849. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.8	20.1	19.7	19.7	18.5	17.4	16.9	18.2	18.8	20.1	20.1	19.5	19.1
PCT SUN	34.	51.	48.	49.	71.	67.	64.	51.	47.	47.	47.	47.	52.
MEAN RAD.	440.	520.	470.	415.	435.	390.	395.	400.	440.	485.	510.	520.	452.
PRECIP.	177.	183.	141.	68.	42.	18.	20.	33.	77.	102.	114.	177.	1152.
POT ET	118.	128.	126.	108.	113.	95.	98.	103.	111.	132.	134.	139.	1404.
DEF PREC	-59.	-55.	-15.	40.	71.	77.	78.	70.	34.	30.	20.	-38.	252.
DEP PREC	112.	116.	87.	37.	19.	3.	4.	13.	43.	61.	69.	112.	
MAI	0.95	0.91	0.69	0.34	0.17	0.03	0.04	0.12	0.39	0.46	0.51	0.81	

JOYA (LA)

LAT 17 49 LON 67 27 3705. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.1	12.0	13.3	8.4	9.9	5.8	6.2	7.5	9.4	10.1	10.6	12.0	9.7
PCT SUN	49.	51.	49.	55.	78.	64.	67.	61.	52.	57.	48.	54.	57.
MEAN RAD.	530.	520.	470.	435.	445.	370.	395.	430.	460.	535.	520.	560.	473.
PRECIP.	74.	61.	38.	15.	3.	15.	2.	1.	16.	17.	11.	51.	305.
POT ET	109.	99.	104.	78.	87.	60.	67.	77.	86.	106.	101.	118.	1092.
DEF PREC	34.	38.	66.	63.	84.	45.	65.	76.	70.	89.	90.	68.	787.
DEP PREC	41.	32.	16.	1.	0.	0.	0.	0.	1.	2.	0.	25.	
MAI	0.38	0.32	0.16	0.01	0.00	0.01	0.00	0.00	0.02	0.02	0.00	0.21	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

MAGDALENA		LAT 13 21 LON 64 8 235. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.0	27.1	27.2	26.8	25.9	25.1	25.1	27.8	28.3	28.3	28.0	26.3	26.9
PCT SUN	24.	34.	34.	28.	40.	57.	52.	52.	34.	31.	33.	31.	37.
MEAN RAD.	360.	420.	400.	325.	345.	380.	375.	420.	380.	395.	420.	410.	386.
PRECIP.	208.	192.	192.	99.	49.	15.	7.	24.	57.	111.	142.	202.	1298.
POT ET	116.	123.	130.	101.	109.	113.	116.	138.	122.	131.	134.	130.	1463.
DEF PREC	-92.	-69.	-62.	2.	59.	98.	109.	114.	65.	20.	-8.	-72.	165.
DEP PREC	134.	123.	123.	58.	24.	0.	0.	7.	29.	67.	88.	129.	
MAI	1.15	1.00	0.94	0.58	0.22	0.00	0.00	0.05	0.24	0.51	0.66	0.99	

MIZQUE		LAT 17 55 LON 65 18 2036. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.8	20.6	19.8	18.7	15.9	13.7	14.2	15.9	18.8	20.8	21.3	20.6	18.4
PCT SUN	49.	45.	47.	55.	64.	67.	66.	60.	48.	45.	48.	52.	54.
MEAN RAD.	530.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	458.
PRECIP.	104.	90.	63.	20.	6.	2.	1.	2.	5.	9.	58.	119.	479.
POT ET	146.	122.	124.	110.	97.	82.	89.	102.	111.	131.	141.	151.	1407.
DEF PREC	43.	32.	61.	90.	91.	80.	88.	100.	106.	122.	83.	32.	928.
DEP PREC	62.	52.	34.	4.	0.	0.	0.	0.	0.	0.	30.	72.	
MAI	0.42	0.43	0.27	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.48	

MOROCHATA		LAT 17 18 LON 66 30 3095. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.9	19.2	18.4	16.6	13.0	10.8	10.6	12.6	15.9	19.1	20.1	19.9	16.3
PCT SUN	42.	45.	47.	54.	63.	66.	64.	59.	47.	45.	48.	52.	53.
MEAN RAD.	490.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	455.
PRECIP.	231.	278.	153.	30.	11.	20.	19.	51.	73.	75.	81.	202.	1224.
POT ET	132.	117.	119.	103.	89.	75.	79.	92.	102.	125.	137.	148.	1318.
DEF PREC	-99.	-161.	-34.	73.	78.	55.	59.	41.	29.	50.	56.	-53.	95.
DEP PREC	149.	182.	96.	11.	0.	4.	3.	25.	40.	42.	46.	129.	
MAI	1.13	1.55	0.80	0.10	0.00	0.05	0.04	0.28	0.40	0.33	0.34	0.87	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR BOLIVIA

GPLECA				LAT 21 19 LON 65 46 3121. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.9	19.2	18.4	16.6	13.0	10.8	10.6	12.6	15.9	19.1	20.1	19.9	16.3
PCT SUN	29.	43.	55.	67.	88.	70.	92.	64.	67.	59.	47.	50.	61.
MEAN RAD.	410.	480.	490.	460.	445.	360.	430.	420.	510.	545.	520.	550.	468.
PRECIP.	54.	51.	24.	4.	0.	0.	0.	0.	3.	1.	20.	58.	215.
POT ET	111.	115.	127.	109.	97.	71.	87.	91.	118.	144.	137.	148.	1355.
DEF PREC	57.	64.	103.	105.	97.	71.	87.	91.	115.	143.	117.	91.	1139.
DEP PREC	27.	25.	7.	0.	0.	0.	0.	0.	0.	0.	4.	30.	
MAI	0.25	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.20	

ORURO		LAT 17 58 LON 67 6 3709. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.1	12.6	12.7	11.4	8.1	5.7	5.5	7.8	10.5	13.0	13.9	13.5	10.7
PCT SUN	49.	49.	49.	58.	74.	64.	68.	58.	50.	51.	54.	47.	56.
MEAN RAD.	530.	510.	470.	445.	435.	370.	395.	420.	450.	505.	550.	520.	467.
PRECIP.	73.	66.	36.	9.	4.	2.	1.	6.	12.	12.	22.	45.	288.
POT ET	117.	100.	102.	89.	80.	59.	65.	76.	87.	111.	120.	116.	1121.
DEF PREC	44.	34.	66.	80.	76.	57.	64.	70.	75.	99.	98.	71.	833.
DEP PREC	40.	36.	15.	0.	0.	0.	0.	0.	0.	0.	5.	21.	
MAI	0.35	0.36	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.18	

PADILLA				LAT 19 19 LON 64 20 2131, METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.9	20.6	19.9	18.8	16.5	14.7	14.8	17.0	19.8	19.9	20.5	20.0	18.6
PCT SUN	45.	41.	50.	47.	58.	61.	73.	55.	53.	47.	46.	41.	51.
MEAN RAD.	510.	470.	470.	395.	375.	350.	400.	400.	460.	485.	510.	490.	443.
PRECIP.	133.	121.	85.	28.	11.	3.	6.	9.	24.	48.	74.	127.	669.
POT ET	141.	117.	127.	100.	92.	78.	93.	99.	120.	131.	135.	133.	1366.
DEF PREC	8.	-4.	42.	72.	81.	75.	87.	90.	96.	83.	61.	6.	697.
DEP PREC	82.	74.	49.	9.	0.	0.	0.	0.	7.	23.	41.	78.	
MAI	0.58	0.63	0.38	0.09	0.00	0.00	0.00	0.00	0.05	0.18	0.30	0.59	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

PAROTANI													
LAT 17 33 LON 66 20 2503. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.0	21.4	21.3	19.4	15.3	13.7	13.7	15.7	19.1	20.6	23.1	23.3	19.1
PCT SUN	44.	45.	43.	45.	61.	63.	67.	50.	47.	43.	46.	43.	50.
MEAN RAD.	500.	490.	440.	395.	395.	370.	395.	390.	440.	465.	510.	500.	441.
PRECIP.	173.	133.	64.	24.	5.	1.	3.	4.	10.	24.	50.	93.	582.
POT ET	143.	124.	123.	102.	93.	80.	89.	93.	112.	128.	145.	147.	1379.
DEF PREC	-30.	-8.	60.	78.	88.	79.	86.	90.	102.	104.	95.	54.	797.
DEP PREC	109.	82.	34.	7.	0.	0.	0.	0.	0.	6.	24.	55.	
MAI	0.77	0.66	0.28	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.37	

LA PAZ													
LAT 16 30 LON 68 8 3659. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.2	10.9	11.0	10.8	9.7	8.3	8.1	9.3	10.4	11.7	12.2	11.7	10.4
PCT SUN	50.	49.	51.	51.	78.	67.	64.	59.	51.	57.	49.	55.	57.
MEAN RAD.	530.	510.	480.	425.	455.	390.	395.	430.	460.	535.	520.	560.	474.
PRECIP.	120.	98.	72.	27.	14.	3.	6.	8.	35.	37.	49.	89.	558.
POT ET	109.	94.	98.	83.	89.	70.	72.	83.	89.	112.	107.	117.	1124.
DEF PREC	-11.	-4.	26.	57.	75.	67.	66.	75.	54.	75.	58.	28.	566.
DEP PREC	73.	58.	40.	9.	0.	0.	0.	0.	14.	16.	24.	51.	
MAI	0.67	0.62	0.40	0.10	0.00	0.00	0.00	0.00	0.16	0.14	0.22	0.44	

POCOATA													
LAT 18 40 LON 66 11 3423. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.5	16.2	15.5	14.1	11.7	10.1	9.9	10.9	14.4	15.5	17.5	17.9	14.3
PCT SUN	49.	47.	48.	59.	69.	64.	70.	57.	55.	53.	55.	46.	56.
MEAN RAD.	530.	500.	465.	445.	415.	365.	395.	410.	470.	515.	560.	520.	466.
PRECIP.	198.	68.	68.	18.	9.	4.	2.	0.	12.	25.	32.	40.	475.
POT ET	134.	110.	110.	98.	87.	70.	78.	84.	104.	122.	137.	132.	1265.
DEF PREC	-64.	42.	42.	80.	78.	66.	75.	83.	92.	97.	104.	93.	789.
DEP PREC	126.	37.	37.	2.	0.	0.	0.	0.	0.	7.	12.	17.	
MAI	0.95	0.34	0.34	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.13	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

POTOSI		LAT 19 35 LON 65 45 4006. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	10.5	10.8	10.6	8.1	7.9	4.6	5.4	6.7	8.4	11.1	12.4	11.8	9.0
PCT SUN	52.	45.	52.	63.	79.	61.	76.	57.	56.	55.	57.	47.	58.
MEAN RAD.	550.	490.	480.	455.	435.	350.	405.	405.	470.	525.	570.	530.	472.
PRECIP.	112.	92.	74.	6.	4.	4.	0.	0.	5.	12.	29.	44.	383.
POT ET	119.	90.	97.	81.	79.	54.	66.	70.	84.	108.	118.	111.	1068.
DEF PREC	-1.	-3.	22.	74.	75.	50.	66.	70.	79.	96.	89.	67.	685.
DEP PREC	67.	54.	41.	0.	0.	0.	0.	0.	0.	0.	10.	21.	
MAI	0.61	0.60	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.19	

PUERTO SUAREZ		LAT 18 57 LON 57 51 145. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.7	27.8	28.3	25.1	23.2	21.4	20.7	23.6	26.5	27.8	28.2	28.6	25.7
PCT SUN	25.	29.	29.	31.	32.	30.	33.	33.	29.	29.	30.	27.	30.
MEAN RAD.	380.	390.	360.	320.	280.	250.	270.	310.	340.	380.	410.	400.	341.
PRECIP.	160.	162.	100.	89.	52.	37.	24.	25.	52.	81.	96.	133.	1011.
POT ET	125.	116.	120.	96.	82.	68.	74.	92.	105.	125.	132.	134.	1268.
DEF PREC	-35.	-46.	20.	7.	30.	31.	51.	67.	53.	44.	36.	1.	257.
DEP PREC	100.	102.	59.	51.	26.	16.	7.	7.	26.	46.	56.	82.	
MAI	0.81	0.88	0.49	0.54	0.32	0.23	0.09	0.08	0.25	0.37	0.43	0.61	

PUNA		LAT 19 45 LON 65 27 3421. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.9	13.9	13.0	12.6	10.8	9.1	8.4	9.8	12.3	13.8	14.3	14.0	12.1
PCT SUN	52.	45.	52.	63.	79.	62.	76.	57.	56.	55.	57.	47.	58.
MEAN RAD.	550.	490.	480.	455.	435.	350.	405.	405.	470.	525.	570.	530.	472.
PRECIP.	89.	85.	61.	21.	7.	1.	0.	3.	16.	18.	71.	86.	458.
POT ET	124.	100.	105.	95.	88.	65.	75.	79.	97.	118.	126.	120.	1192.
DEF PREC	35.	15.	44.	74.	81.	64.	75.	76.	81.	100.	55.	34.	733.
DEP PREC	51.	49.	32.	5.	0.	0.	0.	0.	1.	3.	39.	49.	
MAI	0.41	0.49	0.31	0.05	0.00	0.00	0.00	0.00	0.01	0.02	0.31	0.41	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

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SANTA ANA		LAT 13 45 LON 65 35 220. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.1	27.5	27.7	27.6	25.6	23.9	23.9	25.5	27.6	27.7	27.6	25.3	26.4
PCT SUN	25.	34.	33.	27.	41.	54.	53.	50.	35.	34.	33.	35.	38.
MEAN RAD.	370.	420.	390.	315.	345.	370.	375.	410.	390.	415.	420.	440.	388.
PRECIP.	241.	226.	214.	141.	77.	38.	25.	39.	75.	151.	176.	230.	1633.
POT ET	129.	124.	128.	100.	108.	107.	112.	128.	124.	136.	133.	136.	1456.
DEF PREC	-121.	-102.	-86.	-41.	31.	69.	87.	89.	49.	-15.	-43.	-94.	-177.
DEP PREC	156.	146.	138.	87.	43.	16.	7.	17.	42.	94.	112.	149.	
MAI	1.31	1.18	1.08	0.87	0.40	0.15	0.06	0.13	0.34	0.69	0.84	1.09	

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SANANDITA		LAT 21 40 LON 63 35 916. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	25.5	23.6	18.7	18.8	15.1	13.8	17.3	20.3	22.3	21.4	24.8	20.5
PCT SUN	48.	38.	50.	63.	60.	58.	53.	56.	57.	47.	38.	38.	51.
MEAN RAD.	530.	450.	465.	445.	365.	325.	325.	390.	470.	485.	470.	480.	433.
PRECIP.	104.	202.	157.	98.	38.	58.	7.	1.	1.	35.	56.	125.	882.
POT ET	161.	127.	138.	112.	95.	74.	73.	98.	124.	139.	128.	147.	1417.
DEF PREC	57.	-75.	-19.	15.	58.	15.	66.	97.	124.	105.	72.	21.	535.
DEP PREC	62.	129.	99.	58.	16.	30.	0.	0.	0.	14.	29.	77.	
MAI	0.39	1.02	0.71	0.51	0.17	0.41	0.00	0.00	0.00	0.10	0.22	0.52	

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SAN BORJA		LAT 14 49 LON 66 35 226. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	26.5	23.7	26.1	22.1	23.0	22.7	24.9	26.9	27.9	25.3	27.1	25.3
PCT SUN	29.	40.	40.	38.	45.	63.	57.	39.	40.	39.	40.	40.	42.
MEAN RAD.	400.	460.	430.	375.	355.	390.	385.	355.	410.	445.	470.	470.	412.
PRECIP.	298.	258.	209.	123.	98.	79.	65.	46.	63.	128.	134.	225.	1726.
POT ET	128.	133.	128.	115.	102.	110.	112.	109.	128.	147.	141.	152.	1504.
DEF PREC	-170.	-126.	-81.	-8.	4.	31.	47.	63.	65.	19.	7.	-73.	-222.
DEP PREC	196.	168.	134.	75.	58.	45.	35.	22.	34.	78.	83.	145.	
MAI	1.52	1.27	1.05	0.65	0.57	0.40	0.31	0.20	0.26	0.53	0.59	0.95	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

SANTA CRUZ		LAT 17 47 LON 63 11 437. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.7	26.7	26.1	24.3	22.1	20.2	20.4	23.1	25.5	26.4	27.2	27.3	24.7
PCT SUN	29.	40.	39.	41.	47.	62.	57.	53.	51.	38.	41.	37.	45.
MEAN RAD.	410.	460.	420.	375.	345.	365.	365.	400.	455.	440.	480.	465.	415.
PRECIP.	175.	126.	99.	101.	67.	67.	45.	30.	61.	93.	118.	146.	1128.
POT ET	131.	133.	133.	110.	99.	96.	100.	117.	137.	140.	151.	151.	1499.
DEF PREC	-44.	7.	34.	9.	32.	29.	55.	87.	76.	47.	33.	5.	370.
DEP PREC	111.	77.	58.	60.	36.	36.	21.	11.	32.	54.	72.	91.	
MAI	0.84	0.58	0.44	0.55	0.37	0.38	0.21	0.09	0.23	0.39	0.47	0.60	

SAN IGNACIO		LAT 16 22 LON 60 58 335. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.4	24.9	23.4	21.6	20.0	19.6	22.0	25.2	26.3	26.6	26.2	23.9
PCT SUN	28.	37.	36.	36.	47.	57.	58.	52.	38.	37.	33.	36.	41.
MEAN RAD.	400.	440.	405.	355.	355.	360.	375.	405.	395.	435.	430.	450.	400.
PRECIP.	196.	208.	156.	69.	66.	34.	19.	24.	53.	93.	121.	149.	1188.
POT ET	125.	124.	124.	102.	100.	94.	100.	116.	118.	138.	133.	143.	1417.
DEF PREC	-71.	-84.	-32.	32.	34.	60.	81.	92.	65.	45.	12.	-6.	229.
DEP PREC	125.	134.	98.	38.	36.	14.	3.	7.	27.	54.	74.	93.	
MAI	1.00	1.08	0.79	0.37	0.36	0.14	0.03	0.06	0.23	0.39	0.55	0.65	

SAN JOQUIN		LAT 13 4 LON 64 48 202. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	26.8	27.1	27.8	26.2	24.5	24.8	24.4	26.5	26.8	27.2	27.3	26.3
PCT SUN	25.	34.	33.	26.	40.	53.	51.	49.	35.	34.	33.	36.	37.
MEAN RAD.	370.	420.	390.	315.	345.	370.	375.	410.	390.	415.	420.	440.	388.
PRECIP.	173.	223.	184.	121.	64.	47.	12.	0.	130.	134.	185.	213.	1487.
POT ET	118.	122.	126.	100.	109.	109.	115.	124.	120.	133.	132.	143.	1452.
DEF PREC	-55.	-101.	-58.	-21.	46.	61.	102.	124.	-9.	-1.	-53.	-70.	-35.
DEP PREC	109.	144.	117.	74.	34.	23.	0.	0.	79.	83.	118.	137.	
MAI	0.93	1.18	0.93	0.74	0.31	0.21	0.00	0.00	0.66	0.62	0.89	0.96	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

SAN JOSE		LAT 17 47 LON 60 47 297. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.0	26.7	26.3	25.1	23.1	21.0	21.3	23.7	26.3	27.2	27.5	27.4	25.2
PCT SUN	28.	36.	36.	37.	49.	60.	61.	54.	38.	37.	33.	35.	42.
MEAN RAD.	400.	440.	405.	355.	355.	360.	375.	405.	395.	435.	430.	450.	400.
PRECIP.	157.	157.	114.	48.	56.	46.	14.	12.	30.	62.	92.	121.	909.
POT ET	129.	127.	129.	106.	104.	97.	105.	121.	121.	141.	136.	147.	1463.
DEF PREC	-28.	-30.	14.	58.	48.	51.	91.	109.	91.	79.	44.	26.	554.
DEP PREC	98.	98.	69.	23.	29.	22.	0.	0.	11.	33.	54.	74.	
MAI	0.76	0.77	0.54	0.22	0.27	0.23	0.00	0.00	0.09	0.23	0.39	0.50	

SOFATA		LAT 15 45 LON 68 42 2650. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.1	17.6	17.7	17.2	15.1	15.2	16.7	17.2	16.7	16.7	18.4	17.8	17.0
PCT SUN	33.	42.	42.	37.	63.	65.	62.	58.	44.	45.	43.	55.	49.
MEAN RAD.	430.	470.	440.	365.	415.	390.	395.	430.	430.	475.	490.	560.	441.
PRECIP.	268.	209.	102.	62.	39.	3.	3.	11.	18.	66.	33.	121.	936.
POT ET	107.	107.	112.	88.	97.	89.	97.	107.	103.	117.	123.	142.	1290.
DEF PREC	-161.	-102.	9.	26.	58.	85.	94.	97.	84.	52.	89.	21.	353.
DEP PREC	175.	134.	61.	33.	17.	0.	0.	0.	3.	35.	13.	74.	
MAI	1.63	1.25	0.54	0.37	0.18	0.00	0.00	0.00	0.03	0.30	0.11	0.52	

SUCRE		LAT 19 3 LON 65 17 2751. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.7	16.5	16.5	15.7	14.4	12.8	12.6	14.1	15.9	17.1	17.5	17.2	15.6
PCT SUN	52.	45.	52.	62.	77.	60.	74.	56.	55.	55.	57.	48.	58.
MEAN RAD.	550.	490.	480.	455.	435.	350.	405.	405.	470.	525.	570.	530.	472.
PRECIP.	146.	114.	72.	26.	7.	1.	3.	10.	26.	31.	64.	113.	613.
POT ET	136.	108.	118.	105.	100.	74.	88.	92.	109.	131.	139.	132.	1331.
DEF PREC	-11.	-6.	46.	79.	93.	73.	85.	82.	83.	100.	75.	19.	718.
DEP PREC	91.	69.	40.	8.	0.	0.	0.	0.	8.	11.	34.	68.	
MAI	0.67	0.63	0.34	0.08	0.00	0.00	0.00	0.00	0.07	0.09	0.25	0.51	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

TACAGUA													
LAT 18 52 LON 66 45 3758. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	9.9	11.4	9.6	7.0	3.6	4.1	4.1	5.2	6.6	8.4	8.6	10.2	7.4
PCT SUN	49.	47.	48.	59.	70.	65.	70.	57.	55.	53.	55.	46.	56.
MEAN RAD.	530.	500.	465.	445.	415.	365.	395.	410.	470.	515.	560.	520.	466.
PRECIP.	108.	105.	53.	9.	10.	2.	7.	0.	7.	5.	6.	36.	347.
POT ET	104.	94.	90.	75.	63.	55.	61.	67.	78.	95.	101.	103.	987.
DEF PREC	-4.	-12.	37.	67.	53.	53.	54.	67.	72.	91.	95.	68.	639.
DEP PREC	65.	63.	27.	0.	0.	0.	0.	0.	0.	0.	0.	15.	
MAI	0.62	0.67	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	

TARIJA													
LAT 21 32 LON 64 47 1906. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.3	20.2	18.3	15.6	12.7	12.7	14.9	18.0	20.4	21.1	21.6	18.2
PCT SUN	28.	43.	55.	67.	89.	71.	93.	65.	67.	59.	47.	50.	61.
MEAN RAD.	410.	480.	490.	460.	445.	360.	430.	420.	510.	545.	520.	550.	468.
PRECIP.	129.	135.	76.	24.	2.	0.	0.	2.	7.	32.	67.	136.	610.
POT ET	115.	121.	133.	115.	106.	76.	93.	98.	126.	149.	140.	155.	1428.
DEF PREC	-14.	-14.	57.	91.	104.	76.	93.	96.	119.	117.	73.	19.	818.
DEP PREC	79.	83.	42.	7.	0.	0.	0.	0.	0.	12.	36.	84.	
MAI	0.69	0.69	0.32	0.06	0.00	0.00	0.00	0.00	0.00	0.08	0.26	0.54	

TIRAQUE													
LAT 17 23 LON 65 44 3221. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.7	13.3	13.2	12.9	11.9	11.0	10.4	11.3	12.8	14.3	14.4	13.6	12.7
PCT SUN	49.	45.	47.	55.	63.	66.	65.	59.	47.	45.	48.	52.	53.
MEAN RAD.	530.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	458.
PRECIP.	91.	83.	73.	21.	5.	1.	3.	3.	10.	17.	40.	99.	446.
POT ET	119.	98.	101.	92.	85.	75.	78.	88.	93.	108.	115.	123.	1175.
DEF PREC	28.	15.	29.	71.	80.	74.	75.	85.	83.	91.	76.	24.	729.
DEP PREC	53.	47.	40.	5.	0.	0.	0.	0.	0.	2.	18.	58.	
MAI	0.44	0.48	0.40	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.15	0.48	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

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TODOS SANTOS		LAT 16 48 LON 65 8 300. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	26.7	26.1	24.6	22.4	21.9	20.2	22.4	24.2	26.3	26.7	27.1	24.6
PCT SUN	33.	43.	45.	47.	53.	58.	62.	51.	45.	41.	43.	40.	47.
MEAN RAD.	430.	480.	450.	405.	375.	360.	385.	400.	430.	455.	490.	480.	428.
PRECIP.	491.	357.	382.	247.	175.	126.	122.	86.	103.	215.	206.	400.	2910.
POT ET	136.	139.	142.	119.	108.	99.	105.	115.	126.	144.	152.	155.	1542.
DEF PREC	-355.	-218.	-240.	-127.	-67.	-27.	-17.	29.	23.	-70.	-54.	-245.	-1368.
DEP PREC	329.	236.	254.	160.	111.	77.	74.	49.	61.	138.	132.	266.	
MAI	2.41	1.70	1.78	1.34	1.03	0.78	0.71	0.43	0.49	0.96	0.87	1.71	

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TOTORA		LAT 17 41 LON 65 9 2903. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.8	16.4	16.5	15.8	14.7	13.4	13.1	14.6	16.5	17.6	17.7	17.2	15.9
PCT SUN	42.	43.	47.	52.	58.	60.	60.	51.	50.	41.	46.	41.	49.
MEAN RAD.	490.	480.	460.	425.	385.	360.	375.	395.	450.	455.	510.	490.	440.
PRECIP.	140.	124.	88.	30.	4.	1.	4.	6.	5.	24.	63.	102.	591.
POT ET	121.	106.	113.	98.	89.	77.	82.	91.	107.	115.	125.	122.	1247.
DEF PREC	-19.	-18.	25.	68.	85.	76.	78.	85.	102.	91.	62.	20.	656.
DEP PREC	87.	76.	51.	11.	0.	0.	0.	0.	0.	7.	34.	61.	
MAI	0.72	0.71	0.45	0.11	0.00	0.00	0.00	0.00	0.00	0.06	0.27	0.49	

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TRINIDAD		LAT 14 45 LON 64 48 236. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.3	27.3	27.4	26.4	25.2	23.9	23.7	25.7	27.7	27.9	28.0	27.9	26.5
PCT SUN	29.	40.	38.	37.	42.	56.	54.	49.	39.	37.	40.	38.	42.
MEAN RAD.	400.	460.	420.	370.	345.	370.	375.	400.	405.	435.	470.	460.	409.
PRECIP.	307.	269.	192.	139.	83.	69.	51.	39.	85.	142.	178.	249.	1803.
POT ET	130.	135.	137.	114.	107.	107.	112.	125.	129.	143.	150.	152.	1541.
DEF PREC	-177.	-134.	-55.	-25.	24.	38.	61.	86.	44.	1.	-28.	-97.	-262.
DEP PREC	202.	176.	123.	86.	47.	38.	25.	17.	49.	88.	113.	162.	
MAI	1.55	1.30	0.90	0.75	0.44	0.35	0.23	0.14	0.38	0.61	0.75	1.07	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

TUPIZA		LAT 21 26 LON 65 43 2962. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.8	17.1	17.8	15.2	11.7	7.9	9.5	13.6	15.9	17.9	18.0	19.0	15.1
PCT SUN	29.	43.	55.	67.	88.	70.	92.	65.	67.	59.	47.	50.	61.
MEAN RAD.	410.	480.	490.	460.	445.	360.	430.	420.	510.	545.	520.	550.	468.
PRECIP.	81.	91.	30.	3.	0.	0.	0.	0.	0.	57.	60.	40.	362.
POT ET	104.	108.	124.	105.	93.	63.	83.	94.	118.	139.	129.	145.	1305.
DEF PREC	23.	17.	94.	102.	93.	63.	83.	94.	118.	82.	69.	105.	943.
DEP PREC	46.	53.	11.	0.	0.	0.	0.	0.	0.	29.	31.	18.	
MAI	0.44	0.49	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.24	0.12	

UYUNI		LAT 20 27 LON 66 48 3673. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.4	13.6	14.4	12.7	10.1	3.0	3.8	3.2	8.5	9.9	12.1	14.6	10.0
PCT SUN	60.	51.	57.	64.	89.	67.	91.	60.	64.	64.	57.	51.	64.
MEAN RAD.	590.	520.	500.	455.	455.	360.	435.	410.	500.	565.	570.	550.	493.
PRECIP.	49.	40.	14.	0.	0.	0.	0.	0.	0.	2.	0.	18.	123.
POT ET	135.	105.	115.	96.	90.	51.	66.	61.	90.	111.	117.	127.	1163.
DEF PREC	86.	65.	101.	96.	90.	51.	66.	61.	90.	109.	117.	109.	1041.
DEP PREC	24.	18.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	
MAI	0.18	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	

VACAS		LAT 17 32 LON 65 33 3598. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.7	12.1	11.7	9.5	8.7	7.6	7.0	8.9	11.8	13.9	15.3	15.4	11.3
PCT SUN	49.	45.	47.	55.	64.	66.	65.	59.	47.	45.	48.	52.	54.
MEAN RAD.	530.	490.	460.	435.	405.	380.	390.	425.	440.	475.	520.	550.	458.
PRECIP.	138.	100.	99.	19.	9.	2.	0.	0.	4.	20.	28.	81.	500.
POT ET	119.	94.	96.	81.	76.	66.	68.	80.	89.	107.	119.	130.	1126.
DEF PREC	-20.	-6.	-2.	63.	67.	65.	68.	80.	85.	87.	91.	49.	627.
DEP PREC	86.	59.	58.	3.	0.	0.	0.	0.	0.	4.	9.	46.	
MAI	0.72	0.63	0.60	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.35	



VALLE GRANDE													LAT 18 28 LON 64 7 1981, METERS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN TEMP	18.5	18.0	17.2	15.6	14.7	13.6	13.3	13.9	15.0	17.3	18.1	18.8	16.2	
PCT SUN	38.	41.	45.	53.	48.	60.	59.	52.	48.	43.	44.	39.	48.	
MEAN RAD,	470.	470.	450.	425.	345.	355.	365.	395.	440.	465.	500.	480.	430.	
PRECIP.	161.	125.	54.	43.	17.	7.	12.	5.	23.	48.	81.	104.	680.	
POT ET	122.	108.	112.	98.	80.	77.	81.	89.	100.	116.	124.	126.	1233.	
DEF PREC	-39.	-16.	58.	55.	63.	70.	69.	84.	76.	68.	43.	22.	553.	
DEP PREC	101.	76.	27.	20.	2.	0.	0.	0.	6.	23.	46.	62.		
MAI	0.83	0.70	0.24	0.20	0.02	0.00	0.00	0.00	0.06	0.20	0.37	0.49		

[illegible]

VILLA MONTES				LAT 21 16 LON 63 30		402. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	29.1	28.5	25.1	22.5	20.4	18.4	17.1	21.0	23.1	27.0	28.1	28.8	24.1
PCT SUN	48.	38.	50.	62.	59.	57.	52.	55.	57.	47.	38.	38.	50.
MEAN RAD.	530.	450.	467.	445.	365.	325.	325.	390.	470.	485.	470.	480.	434.
PRECIP.	154.	123.	167.	56.	38.	14.	8.	1.	1.	42.	75.	98.	777.
POT ET	180.	136.	144.	125.	100.	81.	81.	108.	134.	156.	151.	161.	1556.
DEF PREC	26.	12.	-23.	68.	61.	67.	73.	108.	133.	114.	76.	64.	779.
D&P PREC	96.	75.	105.	29.	17.	0.	0.	0.	0.	19.	42.	57.	
MAI	0.54	0.55	0.73	0.23	0.17	0.00	0.00	0.00	0.00	0.12	0.28	0.36	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BOLIVIA

VILLAZON													
LAT 22 7 LON 65 36 3453. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	12.6	12.6	12.4	10.4	6.8	3.7	3.8	6.0	9.0	11.3	12.6	13.2	9.5
PCT SUN	57.	41.	53.	61.	75.	57.	80.	60.	65.	66.	38.	41.	58.
MEAN RAD.	580.	470.	480.	435.	405.	320.	395.	400.	500.	575.	470.	500.	461.
PRECIP.	91.	71.	40.	11.	0.	0.	2.	2.	3.	11.	23.	55.	307.
POT ET	125.	92.	103.	84.	70.	47.	60.	67.	92.	119.	98.	110.	1068.
DEF PREC	35.	21.	63.	73.	70.	47.	58.	66.	89.	108.	76.	55.	761.
DEP PREC	53.	39.	18.	0.	0.	0.	0.	0.	0.	0.	6.	28.	
MAI	0.42	0.42	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.26	

VISCACHANTI													
LAT 17 12 LON 67 57 3792. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.3	12.5	11.7	9.4	7.3	4.4	5.3	6.2	8.1	9.9	11.1	11.6	9.1
PCT SUN	49.	51.	49.	54.	76.	62.	66.	56.	51.	52.	52.	58.	56.
MEAN RAD.	530.	520.	470.	435.	445.	370.	395.	415.	460.	515.	540.	580.	473.
PRECIP.	99.	64.	43.	27.	7.	10.	0.	6.	15.	29.	14.	90.	405.
POT ET	109.	101.	99.	81.	79.	56.	64.	70.	82.	101.	107.	121.	1071.
DEF PREC	11.	37.	56.	54.	72.	46.	64.	65.	66.	72.	93.	31.	666.
DEP PREC	58.	34.	20.	9.	0.	0.	0.	0.	1.	10.	0.	52.	
MAI	0.53	0.34	0.20	0.11	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.43	

YACUIBA													
LAT 22 1 LON 63 43 580. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	25.7	24.2	20.9	18.5	15.6	16.3	19.6	23.0	25.0	26.1	26.9	22.4
PCT SUN	49.	41.	53.	69.	75.	61.	80.	60.	65.	60.	38.	40.	58.
MEAN RAD.	540.	470.	480.	465.	405.	330.	395.	400.	500.	545.	470.	490.	458.
PRECIP.	190.	186.	162.	85.	33.	13.	5.	8.	9.	68.	168.	143.	1070.
POT ET	173.	133.	145.	125.	105.	76.	96.	107.	142.	168.	144.	158.	1571.
DEF PREC	-17.	-53.	-17.	40.	72.	63.	91.	99.	133.	100.	-24.	15.	501.
DEP PREC	121.	118.	102.	49.	13.	0.	0.	0.	0.	37.	106.	89.	
MAI	0.70	0.89	0.70	0.39	0.12	0.00	0.00	0.00	0.00	0.22	0.74	0.56	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ALTO TAPAJOS				LAT 7 20		LON 57 30		140. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.3	25.5	25.5	24.9	24.4	25.5	25.8	25.6	25.5	25.3	25.3
MEAN R.H.	93.	94.	93.	87.	73.	59.	57.	62.	78.	88.	93.	93.	81.
PCT SUN	29.	28.	29.	40.	57.	70.	72.	68.	52.	38.	30.	29.	45.
MEAN RAD.	384.	375.	371.	406.	445.	466.	483.	510.	486.	432.	386.	381.	427.
PRECIP.	408.	375.	435.	286.	128.	26.	11.	33.	138.	235.	315.	329.	2719.
POT ET	118.	105.	115.	122.	139.	138.	146.	159.	147.	135.	116.	118.	1560.
DEF PREC	-289.	-270.	-320.	-164.	11.	113.	135.	126.	10.	-100.	-199.	-211.	-1158.
DEP PREC	327.	298.	350.	223.	89.	2.	0.	8.	97.	180.	248.	259.	
MAI	2.76	2.85	3.04	1.82	0.64	0.02	0.00	0.05	0.66	1.33	2.13	2.19	

BARCELOS				LAT 0 59		LON 62 55		40. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.2	26.3	25.8	25.6	25.5	25.4	26.0	26.0	26.4	26.5	26.6	26.0
MEAN R.H.	84.	84.	84.	88.	87.	85.	82.	71.	73.	74.	77.	78.	81.
PCT SUN	43.	44.	44.	38.	40.	43.	47.	59.	57.	56.	52.	51.	48.
MEAN RAD.	440.	454.	456.	411.	397.	398.	422.	500.	515.	516.	488.	474.	456.
PRECIP.	172.	145.	175.	256.	272.	234.	169.	119.	105.	119.	111.	125.	2002.
POT ET	139.	130.	145.	125.	124.	120.	131.	158.	157.	164.	151.	151.	1695.
DEF PREC	-33.	-15.	-30.	-131.	-148.	-114.	-38.	39.	52.	45.	40.	26.	-307.
DEP PREC	126.	103.	129.	198.	211.	179.	124.	81.	69.	81.	74.	86.	
MAI	0.91	0.80	0.89	1.58	1.70	1.49	0.94	0.52	0.44	0.50	0.49	0.57	

BARRA DO CORDA				LAT 5 30		LON 45 16		81. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	25.6	25.5	25.6	25.2	24.6	24.3	25.6	27.7	27.9	27.3	26.5	26.0
MEAN R.H.	84.	84.	86.	77.	67.	55.	48.	49.	60.	67.	71.	79.	69.
PCT SUN	45.	44.	42.	52.	63.	74.	79.	79.	70.	63.	59.	50.	60.
MEAN RAD.	465.	467.	447.	471.	478.	492.	519.	559.	567.	556.	536.	492.	504.
PRECIP.	186.	175.	228.	156.	53.	14.	5.	4.	16.	42.	76.	118.	1073.
POT ET	146.	132.	139.	142.	148.	145.	157.	175.	180.	183.	169.	157.	1873.
DEF PREC	-40.	-43.	-89.	-14.	95.	131.	152.	171.	164.	141.	93.	39.	800.
DEP PREC	138.	129.	174.	113.	25.	0.	0.	0.	0.	16.	45.	80.	
MAI	0.95	0.98	1.25	0.79	0.17	0.00	0.00	0.00	0.00	0.09	0.26	0.51	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

BELEM		LAT 1 28		LON 48 27		24. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.5	25.4	25.7	26.0	26.0	25.9	26.0	26.0	26.2	26.5	26.3	25.9
MEAN R.H.	85.	91.	92.	87.	81.	73.	67.	62.	64.	66.	71.	74.	76.
PCT SUN	42.	33.	31.	39.	48.	57.	63.	68.	66.	64.	59.	56.	52.
MEAN RAD.	436.	396.	384.	415.	435.	456.	485.	535.	556.	552.	519.	497.	472.
PRECIP.	318.	407.	436.	382.	265.	165.	161.	116.	120.	105.	90.	197.	2762.
POT ET	136.	112.	119.	126.	137.	139.	153.	169.	170.	175.	160.	158.	1753.
DEF PREC	-182.	-295.	-317.	-256.	-128.	-26.	-8.	53.	50.	70.	70.	-39.	-1009.
DEP PREC	250.	326.	350.	305.	205.	120.	117.	79.	82.	69.	57.	148.	
MAI	1.84	2.92	2.94	2.42	1.50	0.87	0.77	0.47	0.48	0.40	0.35	0.94	

BELTERRA		LAT 2 40		LON 54 53		31. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.3	27.0	27.0	27.2	27.4	27.4	27.6	28.3	28.7	28.9	29.1	28.3	27.8
MEAN R.H.	85.	92.	87.	90.	80.	75.	70.	59.	59.	68.	78.	80.	77.
PCT SUN	42.	31.	40.	35.	49.	55.	61.	71.	70.	62.	51.	49.	51.
MEAN RAD.	440.	385.	438.	390.	432.	440.	470.	541.	572.	549.	491.	471.	468.
PRECIP.	235.	395.	325.	368.	210.	182.	107.	38.	30.	53.	132.	190.	2265.
POT ET	143.	112.	141.	123.	141.	139.	154.	180.	186.	185.	161.	157.	1821.
DEF PREC	-92.	-283.	-184.	-245.	-69.	-43.	47.	142.	156.	132.	29.	-33.	-445.
DEP PREC	180.	316.	256.	293.	159.	135.	71.	13.	6.	25.	92.	142.	
MAI	1.26	2.81	1.81	2.39	1.13	0.97	0.46	0.07	0.03	0.14	0.57	0.90	

BOA VISTA TOCANTIN		LAT 6 19		LON 47 26		131. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	24.9	25.1	25.2	24.9	24.1	23.6	24.5	25.7	26.0	25.6	25.3	25.0
MEAN R.H.	87.	89.	89.	81.	69.	54.	48.	53.	70.	74.	78.	85.	73.
PCT SUN	40.	36.	36.	49.	62.	75.	79.	76.	60.	56.	52.	43.	55.
MEAN RAD.	441.	423.	413.	451.	467.	489.	514.	543.	524.	528.	505.	457.	480.
PRECIP.	270.	298.	320.	222.	109.	23.	5.	22.	35.	91.	142.	215.	1753.
POT ET	135.	117.	127.	121.	143.	142.	153.	165.	159.	166.	153.	142.	1738.
DEF PREC	-135.	-181.	-192.	-87.	34.	120.	148.	143.	123.	75.	10.	-73.	-15.
DEP PREC	210.	234.	252.	167.	23.	0.	0.	0.	10.	58.	101.	163.	
MAI	1.95	1.95	1.90	2.25	0.51	0.00	0.00	0.00	0.06	0.35	0.66	1.15	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CAROLINA	LAT 7 20 LON 47 28 183. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.6	25.8	26.1	26.4	26.1	26.3	27.7	28.3	27.1	26.4	26.1	26.5
MEAN R.H.	87.	87.	87.	79.	64.	50.	45.	51.	61.	77.	83.	87.	72.
PCT SUN	40.	39.	39.	50.	66.	78.	81.	77.	68.	52.	45.	40.	56.
MEAN RAD.	445.	444.	431.	456.	476.	491.	514.	543.	557.	509.	476.	446.	482.
PRECIP.	243.	226.	294.	167.	47.	8.	10.	5.	40.	119.	190.	217.	1566.
POT ET	139.	125.	135.	140.	151.	150.	163.	178.	179.	165.	147.	141.	1814.
DEF PREC	-104.	-101.	-159.	-27.	104.	142.	153.	173.	139.	46.	-43.	-76.	248.
DEP PREC	187.	172.	230.	122.	20.	0.	0.	0.	14.	81.	142.	164.	
MAI	1.34	1.37	1.70	0.87	0.13	0.00	0.00	0.00	0.08	0.49	0.97	1.17	

CAXIAS	LAT 4 52 LON 43 21 77. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	26.2	26.1	26.2	26.3	25.9	25.7	26.7	28.1	28.7	28.4	27.6	26.9
MEAN R.H.	82.	86.	86.	82.	68.	56.	49.	47.	55.	64.	73.	76.	69.
PCT SUN	47.	41.	41.	46.	62.	73.	79.	80.	74.	66.	57.	54.	60.
MEAN RAD.	473.	451.	444.	444.	477.	493.	522.	567.	582.	569.	528.	507.	505.
PRECIP.	169.	243.	288.	283.	72.	19.	8.	3.	13.	29.	66.	96.	1289.
POT ET	152.	129.	140.	136.	151.	150.	164.	182.	186.	191.	170.	166.	1918.
DEF PREC	-17.	-114.	-148.	-147.	80.	131.	156.	179.	174.	162.	104.	70.	629.
DEP PREC	124.	187.	225.	220.	41.	0.	0.	0.	0.	5.	36.	62.	
MAI	0.81	1.45	1.60	1.62	0.27	0.00	0.00	0.00	0.00	0.03	0.21	0.37	

CLEVELANDIA	LAT 3 49 LON 51 50 1. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.2	24.5	24.7	24.6	24.5	24.6	25.0	25.5	25.7	25.6	24.9	24.9
MEAN R.H.	90.	91.	93.	89.	87.	76.	67.	65.	71.	67.	74.	85.	80.
PCT SUN	35.	32.	29.	36.	40.	54.	63.	65.	59.	64.	56.	42.	48.
MEAN RAD.	409.	397.	372.	394.	385.	430.	473.	516.	523.	556.	515.	443.	451.
PRECIP.	394.	370.	404.	440.	525.	338.	193.	113.	45.	33.	87.	322.	3265.
POT ET	124.	108.	113.	116.	117.	127.	144.	159.	158.	174.	156.	136.	1633.
DEF PREC	-270.	-262.	-291.	-324.	-408.	-211.	-49.	46.	112.	141.	69.	-186.	-1632.
DEP PREC	315.	295.	323.	354.	426.	267.	144.	76.	19.	8.	54.	254.	
MAI	2.54	2.72	2.86	3.04	3.63	2.11	1.00	0.48	0.12	0.05	0.35	1.87	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

COARI	LAT 4 5 LON 63 8 49. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.2	25.4	25.2	25.3	25.3	25.4	26.0	26.0	25.9	25.9	25.6	25.5
MEAN R.H.	90.	90.	89.	89.	82.	75.	73.	69.	77.	82.	81.	88.	82.
PCT SUN	34.	34.	36.	37.	46.	55.	57.	62.	53.	47.	48.	39.	46.
MEAN RAD.	403.	408.	413.	397.	415.	432.	450.	500.	494.	476.	481.	425.	441.
PRECIP.	316.	274.	280.	288.	226.	134.	88.	75.	99.	158.	188.	222.	2348.
POT ET	125.	114.	129.	119.	129.	130.	140.	158.	151.	150.	146.	133.	1622.
DEF PREC	-191.	-160.	-151.	-169.	-97.	-5.	52.	83.	52.	-8.	-41.	-89.	-726.
DEP PREC	248.	213.	218.	225.	172.	94.	55.	44.	64.	114.	140.	169.	
MAI	1.99	1.87	1.70	1.89	1.34	0.73	0.39	0.28	0.43	0.76	0.95	1.27	

CONCEICAO ARAGUAIA	LAT 8 15 LON 49 12 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	24.9	25.2	25.6	25.6	25.1	24.9	26.0	26.7	25.8	25.6	25.2	25.5
MEAN R.H.	88.	89.	88.	79.	65.	48.	44.	54.	70.	83.	83.	89.	73.
PCT SUN	38.	37.	38.	50.	66.	79.	82.	74.	60.	46.	45.	36.	54.
MEAN RAD.	437.	431.	428.	453.	470.	488.	510.	530.	521.	479.	477.	427.	471.
PRECIP.	253.	252.	263.	163.	60.	8.	7.	15.	64.	163.	196.	227.	1671.
POT ET	135.	119.	132.	137.	147.	146.	156.	167.	162.	150.	144.	132.	1727.
DEF PREC	-118.	-133.	-131.	-26.	87.	138.	149.	152.	98.	-13.	-51.	-95.	56.
DEP PREC	195.	194.	204.	119.	31.	0.	0.	0.	34.	119.	146.	173.	
MAI	1.45	1.63	1.54	0.87	0.21	0.00	0.00	0.00	0.21	0.79	1.01	1.31	

CRUZEIRO DO SUL	LAT 7 38 LON 72 40 170. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	24.6	24.4	24.2	24.1	23.4	22.9	23.8	24.5	24.6	24.7	24.6	24.2
MEAN R.H.	92.	92.	92.	89.	80.	73.	74.	77.	89.	94.	87.	96.	86.
PCT SUN	30.	30.	31.	36.	50.	57.	56.	53.	36.	28.	40.	23.	39.
MEAN RAD.	390.	391.	386.	384.	413.	418.	425.	451.	405.	372.	447.	339.	402.
PRECIP.	246.	244.	269.	241.	138.	104.	47.	86.	147.	251.	216.	241.	2230.
POT ET	118.	108.	117.	112.	124.	120.	124.	135.	119.	113.	132.	103.	1426.
DEF PREC	-128.	-136.	-152.	-129.	-14.	16.	77.	49.	-28.	-138.	-84.	-138.	-804.
DEP PREC	189.	187.	209.	195.	97.	68.	20.	53.	105.	193.	163.	195.	
MAI	1.60	1.74	1.78	1.65	0.78	0.57	0.16	0.40	0.88	1.71	1.24	1.79	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CURITIBANOS		LAT 7 17 LON 50 34 1040. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.4	19.1	18.2	15.8	12.8	11.3	10.9	12.1	13.3	14.9	16.8	18.6	15.3
MEAN R.H.	86.	84.	96.	66.	69.	59.	53.	68.	99.	82.	77.	86.	77.
PCT SUN	41.	43.	22.	64.	61.	71.	76.	62.	10.	47.	52.	42.	49.
MEAN RAD.	455.	467.	324.	514.	459.	468.	496.	489.	217.	484.	513.	454.	445.
PRECIP.	171.	136.	141.	118.	124.	156.	99.	139.	167.	162.	135.	137.	1685.
POT ET	121.	111.	83.	119.	100.	94.	101.	104.	46.	113.	122.	118.	1233.
DEF PREC	-50.	-25.	-58.	1.	-25.	-62.	2.	-36.	-120.	-49.	-12.	-18.	-452.
DEP PREC	125.	96.	100.	80.	86.	113.	64.	99.	122.	118.	95.	96.	
MAI	1.04	0.86	1.20	0.67	0.86	1.20	0.64	0.95	2.62	1.04	0.77	0.81	

FONTE BOA		LAT 2 32 LON 66 10 56. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.9	24.9	24.8	24.7	24.5	24.3	24.9	25.2	25.3	25.3	25.2	24.9
MEAN R.H.	90.	89.	91.	91.	87.	83.	81.	76.	80.	83.	83.	87.	85.
PCT SUN	35.	36.	34.	33.	39.	45.	48.	54.	50.	45.	46.	40.	42.
MEAN RAD.	404.	418.	401.	381.	387.	398.	419.	471.	480.	465.	462.	425.	426.
PRECIP.	298.	237.	278.	336.	314.	238.	175.	149.	150.	194.	186.	247.	2802.
POT ET	124.	116.	123.	113.	118.	117.	127.	145.	144.	144.	139.	131.	1540.
DEF PREC	-174.	-121.	-155.	-223.	-196.	-121.	-48.	-4.	-6.	-50.	-47.	-116.	-1262.
DEP PREC	233.	181.	216.	265.	247.	182.	129.	107.	108.	145.	138.	190.	
MAI	1.89	1.57	1.75	2.35	2.09	1.56	1.02	0.74	0.75	1.00	1.00	1.45	

GRAJAU		LAT 5 48 LON 46 27 154. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.3	25.5	25.6	25.4	25.0	24.9	25.8	27.2	27.0	26.5	25.9	25.8
MEAN R.H.	84.	86.	87.	78.	68.	55.	50.	50.	63.	71.	81.	82.	71.
PCT SUN	44.	41.	39.	51.	62.	73.	78.	78.	67.	60.	48.	47.	58.
MEAN RAD.	466.	453.	432.	465.	473.	488.	514.	554.	554.	541.	487.	478.	492.
PRECIP.	170.	212.	281.	168.	69.	16.	8.	4.	28.	70.	142.	154.	1322.
POT ET	145.	127.	135.	141.	147.	145.	158.	174.	174.	175.	150.	150.	1820.
DEF PREC	-25.	-85.	-146.	-27.	78.	129.	150.	170.	146.	105.	8.	-4.	498.
DEP PREC	124.	160.	219.	123.	39.	0.	0.	0.	4.	40.	101.	111.	
MAI	0.86	1.26	1.63	0.87	0.26	0.00	0.00	0.00	0.02	0.23	0.67	0.74	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

HUMAITA		LAT 7 31 LON 63 0 50. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.4	25.4	25.5	25.2	25.2	26.4	26.3	26.3	26.0	25.7	25.7
MEAN R.H.	93.	93.	91.	88.	76.	65.	64.	66.	80.	88.	87.	94.	82.
PCT SUN	30.	30.	32.	38.	54.	65.	66.	64.	50.	38.	40.	27.	44.
MEAN RAD.	388.	388.	393.	395.	432.	448.	462.	494.	475.	434.	447.	366.	427.
PRECIP.	341.	308.	348.	265.	135.	48.	26.	39.	104.	186.	222.	295.	2317.
POT ET	120.	109.	122.	119.	135.	134.	143.	157.	146.	138.	137.	115.	1573.
DEF PREC	-221.	-199.	-226.	-146.	-0.	86.	117.	118.	42.	-48.	-85.	-180.	-743.
DEP PREC	270.	242.	276.	205.	95.	21.	2.	13.	68.	138.	169.	231.	
MAI	2.25	2.23	2.26	1.73	0.70	0.16	0.02	0.09	0.47	1.00	1.24	2.01	

IAUARETE		LAT 0 18 LON 68 54 122. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.2	25.3	25.1	24.9	24.4	24.1	24.5	25.1	25.3	25.5	25.3	25.0
MEAN R.H.	88.	89.	91.	92.	91.	90.	89.	86.	79.	84.	85.	84.	87.
PCT SUN	38.	37.	34.	30.	32.	35.	36.	41.	50.	44.	43.	45.	39.
MEAN RAD.	411.	414.	400.	367.	361.	361.	372.	419.	484.	459.	439.	438.	410.
PRECIP.	259.	246.	295.	364.	389.	356.	350.	278.	266.	237.	227.	237.	3504.
POT ET	127.	116.	124.	110.	111.	106.	112.	127.	144.	142.	133.	136.	1488.
DEF PREC	-132.	-131.	-171.	-254.	-278.	-250.	-238.	-151.	-122.	-95.	-95.	-101.	-2016.
DEP PREC	200.	189.	231.	289.	310.	283.	277.	216.	206.	181.	173.	181.	
MAI	1.58	1.64	1.86	2.64	2.80	2.67	2.47	1.70	1.43	1.28	1.31	1.33	

IMPERATRIZ		LAT 5 32 LON 47 30 39. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.1	25.2	25.4	25.4	24.8	24.5	25.3	26.3	26.4	26.1	25.6	25.4
MEAN R.H.	86.	87.	89.	81.	69.	56.	51.	51.	67.	72.	80.	83.	73.
PCT SUN	41.	39.	37.	48.	61.	73.	77.	77.	63.	58.	49.	46.	56.
MEAN RAD.	449.	439.	418.	453.	469.	487.	512.	553.	538.	533.	490.	468.	484.
PRECIP.	241.	256.	309.	219.	89.	19.	10.	7.	40.	92.	152.	198.	1632.
POT ET	139.	122.	129.	130.	146.	144.	156.	171.	165.	170.	150.	146.	1774.
DEF PREC	-102.	-134.	-180.	-83.	57.	125.	146.	164.	125.	78.	-2.	-52.	142.
DEP PREC	185.	198.	243.	166.	56.	0.	0.	0.	14.	58.	109.	148.	
MAI	1.33	1.62	1.88	1.22	0.38	0.00	0.00	0.00	0.09	0.34	0.73	1.02	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

JANUARETE		LAT 0 18 LON 68 54 122. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	25.2	25.1	24.9	24.7	24.2	23.9	24.3	24.8	25.2	25.4	25.0	24.8
MEAN R.H.	87.	88.	90.	92.	91.	90.	88.	86.	80.	83.	83.	82.	87.
PCT SUN	39.	38.	35.	31.	34.	35.	37.	41.	49.	45.	45.	46.	40.
MEAN RAD.	414.	423.	408.	370.	367.	362.	380.	422.	478.	461.	448.	445.	415.
PRECIP.	244.	217.	259.	362.	358.	351.	299.	272.	264.	232.	213.	204.	3275.
POT ET	127.	118.	126.	110.	112.	106.	114.	128.	142.	143.	135.	137.	1495.
DEF PREC	-117.	-99.	-133.	-252.	-246.	-245.	-185.	-145.	-122.	-89.	-78.	-68.	-1779.
DEP PREC	187.	165.	200.	287.	284.	278.	234.	211.	204.	177.	161.	154.	
MAI	1.48	1.39	1.59	2.62	2.53	2.63	2.06	1.66	1.44	1.24	1.19	1.12	

MANAUS		LAT 3 8 LON 60 1 48. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	25.8	25.8	25.8	26.4	26.6	26.9	27.5	27.9	27.7	27.3	26.7	26.7
MEAN R.H.	88.	89.	89.	88.	81.	74.	71.	63.	67.	76.	78.	85.	79.
PCT SUN	38.	36.	37.	38.	48.	56.	59.	67.	63.	54.	51.	43.	49.
MEAN RAD.	420.	415.	418.	404.	426.	441.	462.	525.	541.	509.	491.	443.	458.
PRECIP.	276.	277.	301.	287.	193.	99.	61.	41.	62.	112.	165.	228.	2102.
POT ET	132.	118.	131.	123.	135.	136.	149.	172.	173.	167.	155.	142.	1732.
DEF PREC	-144.	-160.	-170.	-164.	-58.	37.	88.	131.	111.	55.	-11.	-86.	-370.
DEP PREC	215.	215.	236.	224.	144.	64.	32.	15.	33.	75.	120.	174.	
MAI	1.62	1.83	1.80	1.82	1.06	0.47	0.22	0.09	0.19	0.45	0.78	1.22	

MANICORE		LAT 5 49 LON 61 18 22. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	25.9	26.1	26.3	26.8	26.5	26.2	26.8	26.9	27.2	27.1	27.2	26.6
MEAN R.H.	93.	94.	91.	90.	80.	70.	68.	69.	75.	87.	86.	92.	83.
PCT SUN	29.	28.	33.	35.	49.	60.	63.	61.	55.	40.	41.	31.	44.
MEAN RAD.	377.	369.	395.	383.	418.	440.	460.	491.	503.	443.	450.	388.	427.
PRECIP.	420.	381.	398.	321.	227.	105.	53.	84.	147.	216.	197.	320.	2868.
POT ET	120.	105.	125.	118.	134.	136.	146.	158.	157.	144.	141.	126.	1609.
DEF PREC	-301.	-276.	-273.	-203.	-92.	31.	93.	73.	10.	-72.	-56.	-193.	-1260.
DEP PREC	337.	304.	318.	253.	173.	69.	25.	52.	105.	163.	147.	251.	
MAI	2.81	2.90	2.55	2.14	1.29	0.51	0.17	0.33	0.67	1.14	1.04	1.99	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL.

	PARINTINS				LAT 2 38 LON 56 44		29. METERS						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.3	27.0	27.0	27.2	27.4	27.4	27.6	28.3	28.7	28.9	29.1	28.3	27.8
MEAN R.H.	87.	90.	89.	90.	83.	76.	72.	63.	61.	69.	75.	80.	78.
PCT SUN	39.	35.	37.	35.	46.	54.	58.	67.	69.	61.	55.	49.	51.
MEAN RAD.	426.	411.	420.	391.	419.	437.	462.	528.	567.	543.	509.	471.	465.
PRECIP.	232.	310.	386.	344.	264.	165.	117.	63.	52.	58.	104.	166.	2312.
POT ET	139.	120.	135.	123.	136.	138.	151.	175.	184.	183.	167.	156.	1808.
DEF PREC	-144.	-190.	-251.	-221.	-128.	-27.	35.	113.	132.	125.	63.	-10.	-504.
DEP PREC	220.	243.	308.	272.	205.	120.	79.	34.	24.	30.	68.	121.	
MAI	1.59	2.03	2.27	2.22	1.50	0.87	0.52	0.19	0.13	0.16	0.41	0.78	

PORTO VELHO	LAT 8 46 LON 63 55 128. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	26.2	26.2	26.4	25.9	25.6	25.4	26.2	26.8	26.6	26.8	26.3	26.2
MEAN R.H.	94.	93.	89.	88.	73.	62.	62.	67.	80.	90.	87.	95.	82.
PCT SUN	27.	29.	36.	38.	57.	68.	68.	63.	49.	36.	40.	24.	45.
MEAN RAD.	369.	384.	415.	394.	435.	450.	460.	486.	471.	421.	450.	346.	424.
PRECIP.	389.	303.	320.	233.	106.	36.	13.	33.	120.	188.	205.	285.	2232.
POT ET	117.	110.	131.	121.	137.	136.	143.	154.	146.	135.	140.	110.	1581.
DEF PREC	-272.	-193.	-188.	-112.	31.	100.	130.	122.	26.	-53.	-65.	-176.	-651.
DEP PREC	310.	238.	251.	178.	70.	11.	0.	8.	82.	140.	154.	223.	
MAI	2.65	2.16	1.91	1.47	0.51	0.08	0.00	0.05	0.56	1.04	1.10	2.02	

REMANSO	LAT 9 41 LON 42 4 411. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.5	27.5	27.1	27.3	27.0	26.0	25.6	26.0	27.2	28.3	28.0	27.6	27.1
MEAN R.H.	83.	81.	77.	72.	56.	38.	31.	47.	65.	71.	74.	85.	65.
PCT SUN	45.	48.	53.	59.	73.	87.	92.	80.	65.	59.	56.	42.	63.
MEAN RAD.	484.	496.	502.	483.	486.	501.	528.	541.	540.	544.	537.	468.	509.
PRECIP.	92.	65.	108.	35.	10.	1.	1.	0.	4.	10.	78.	93.	497.
POT ET	158.	146.	162.	152.	157.	153.	165.	171.	170.	181.	172.	153.	1939.
DEF PREC	66.	81.	54.	117.	147.	152.	164.	171.	166.	171.	94.	60.	1442.
DEP PREC	58.	35.	72.	10.	0.	0.	0.	0.	0.	0.	46.	59.	
MAI	0.37	0.24	0.44	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.39	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SAO BENTO		LAT 2 41		LON 44 43		11. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.1	26.1	26.2	26.4	26.3	26.1	26.4	26.6	26.9	27.0	26.9	26.4
MEAN R.H.	81.	86.	87.	85.	79.	67.	59.	49.	60.	58.	66.	70.	71.
PCT SUN	48.	42.	39.	42.	51.	63.	71.	79.	70.	72.	64.	60.	58.
MEAN RAD.	472.	447.	432.	429.	440.	472.	508.	570.	569.	588.	548.	521.	500.
PRECIP.	172.	260.	327.	353.	293.	138.	85.	21.	9.	6.	31.	79.	1774.
POT ET	150.	128.	137.	131.	140.	145.	161.	181.	176.	189.	171.	168.	1877.
DEF PREC	-22.	-132.	-190.	-222.	-153.	7.	76.	160.	167.	183.	140.	89.	103.
DEP PREC	126.	201.	258.	280.	229.	97.	52.	0.	0.	0.	7.	47.	
MAI	0.84	1.57	1.89	2.13	1.64	0.67	0.33	0.00	0.00	0.00	0.04	0.28	

SAO GABRIEL RIO NE		LAT 0 8		LON 67 5		85. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	25.8	25.6	25.4	25.1	24.7	24.3	25.0	25.5	25.8	26.1	25.7	25.4
MEAN R.H.	88.	87.	89.	90.	90.	87.	86.	79.	77.	78.	80.	83.	85.
PCT SUN	38.	39.	36.	35.	35.	39.	41.	51.	53.	51.	49.	45.	43.
MEAN RAD.	409.	427.	412.	398.	376.	383.	398.	466.	498.	492.	469.	438.	431.
PRECIP.	284.	216.	283.	263.	329.	245.	234.	186.	160.	164.	190.	270.	2823.
POT ET	128.	121.	129.	120.	116.	113.	120.	143.	150.	154.	143.	137.	1575.
DEF PREC	-156.	-95.	-155.	-143.	-213.	-131.	-113.	-43.	-10.	-9.	-47.	-133.	-1248.
DEP PREC	221.	163.	221.	203.	259.	188.	179.	138.	116.	119.	142.	209.	
MAI	1.73	1.35	1.72	1.70	2.24	1.66	1.48	0.96	0.77	0.77	0.99	1.53	

SAO LUIZ		LAT 2 32		LON 44 17		32. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	26.4	26.3	26.3	26.3	26.4	26.2	26.6	27.0	27.2	27.3	27.2	26.7
MEAN R.H.	80.	86.	90.	88.	80.	67.	59.	50.	58.	57.	63.	68.	70.
PCT SUN	49.	41.	35.	39.	50.	63.	70.	77.	72.	72.	67.	62.	58.
MEAN RAD.	476.	445.	411.	412.	436.	471.	507.	567.	577.	589.	558.	530.	498.
PRECIP.	156.	269.	416.	416.	318.	155.	111.	36.	7.	4.	20.	46.	1954.
POT ET	153.	128.	130.	127.	138.	145.	161.	181.	180.	191.	176.	172.	1882.
DEF PREC	-3.	-141.	-286.	-290.	-180.	-10.	50.	145.	173.	187.	156.	126.	-72.
DEP PREC	113.	209.	333.	333.	250.	112.	74.	11.	0.	0.	0.	19.	
MAI	0.74	1.63	2.56	2.64	1.81	0.77	0.46	0.06	0.00	0.00	0.00	0.11	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SENA MADUREIRA				LAT 9 8		LON 68 40		135. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.3	25.2	24.9	24.0	23.3	23.1	23.7	25.7	25.2	24.5	25.5	24.6
MEAN R.H.	94.	93.	90.	88.	75.	64.	65.	71.	86.	91.	83.	97.	83.
PCT SUN	27.	28.	35.	38.	55.	66.	65.	59.	42.	33.	46.	20.	43.
MEAN RAD.	376.	380.	405.	389.	426.	440.	447.	468.	432.	408.	485.	322.	415.
PRECIP.	316.	285.	266.	231.	125.	66.	36.	45.	126.	173.	193.	274.	2139.
POT ET	117.	106.	125.	116.	128.	125.	131.	140.	131.	126.	143.	100.	1488.
DEF PREC	-200.	-179.	-141.	-116.	3.	59.	95.	94.	5.	-47.	-51.	-174.	-651.
DEP PREC	249.	223.	206.	176.	86.	36.	11.	19.	87.	127.	144.	213.	
MAI	2.13	2.09	1.65	1.53	0.67	0.29	0.08	0.13	0.67	1.01	1.01	2.12	

SOBRAL				LAT 3 42		LON 40 21		63. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.7	27.9	26.7	26.9	26.9	27.3	27.6	28.1	28.7	29.0	29.1	28.9	28.0
MEAN R.H.	77.	90.	81.	78.	69.	57.	48.	43.	48.	57.	63.	68.	64.
PCT SUN	53.	49.	47.	52.	61.	72.	79.	83.	79.	72.	67.	62.	65.
MEAN RAD.	500.	489.	476.	473.	479.	498.	532.	581.	606.	592.	565.	538.	527.
PRECIP.	60.	135.	211.	188.	100.	28.	9.	1.	2.	2.	4.	19.	759.
POT ET	168.	145.	153.	147.	154.	157.	174.	192.	197.	200.	185.	181.	2054.
DEF PREC	108.	11.	-59.	-41.	54.	129.	165.	191.	195.	198.	181.	162.	1295.
DEP PREC	31.	95.	159.	140.	65.	4.	0.	0.	0.	0.	0.	0.	
MAI	0.19	0.65	1.05	0.95	0.42	0.03	0.00	0.00	0.00	0.00	0.00	0.00	

SOURE				LAT 0 40		LON 48 33		11. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	25.9	26.0	26.3	26.6	26.7	26.6	27.1	27.5	27.9	28.0	27.7	26.9
MEAN R.H.	84.	95.	95.	93.	82.	75.	69.	58.	56.	57.	63.	68.	75.
PCT SUN	44.	24.	24.	30.	46.	55.	61.	71.	73.	72.	67.	62.	52.
MEAN RAD.	440.	335.	335.	363.	428.	450.	482.	551.	583.	586.	550.	521.	469.
PRECIP.	300.	579.	627.	556.	288.	170.	150.	84.	35.	17.	16.	95.	2918.
POT ET	141.	95.	106.	111.	137.	140.	154.	178.	184.	193.	176.	171.	1787.
DEF PREC	-159.	-484.	-522.	-445.	-151.	-31.	4.	94.	150.	176.	160.	76.	-1131.
DEP PREC	235.	472.	513.	452.	225.	125.	107.	52.	10.	0.	0.	61.	
MAI	1.65	4.95	4.85	4.06	1.64	0.89	0.70	0.29	0.05	0.00	0.00	0.36	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

TAPERINHA-SANTAREM				LAT 2 25 LON 54 42				20. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.5	25.5	25.6	25.6	25.4	25.4	26.2	26.7	27.0	26.9	26.5	26.0
MEAN R.H.	84.	88.	91.	89.	83.	75.	70.	60.	67.	67.	71.	77.	77.
PCT SUN	45.	38.	34.	37.	46.	55.	60.	70.	63.	63.	59.	53.	52.
MEAN RAD.	452.	426.	402.	403.	419.	442.	471.	539.	543.	553.	526.	487.	472.
PRECIP.	179.	275.	358.	362.	293.	174.	112.	50.	39.	46.	85.	123.	2096.
POT ET	142.	120.	125.	122.	131.	133.	147.	171.	168.	178.	164.	155.	1756.
DEF PREC	-37.	-155.	-233.	-240.	-162.	-41.	35.	121.	129.	132.	79.	32.	-340.
DEP PREC	132.	214.	284.	287.	229.	128.	75.	23.	13.	19.	52.	85.	
MAI	0.93	1.78	2.27	2.36	1.75	0.96	0.51	0.13	0.08	0.11	0.32	0.54	

TARACUA				LAT 0 4 LON 68 14				105. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.3	25.2	24.9	24.5	24.1	24.7	25.3	25.4	25.4	25.2	25.0
MEAN R.H.	89.	89.	91.	94.	92.	90.	88.	84.	78.	82.	85.	84.	87.
PCT SUN	36.	36.	32.	27.	31.	35.	38.	44.	51.	47.	42.	44.	39.
MEAN RAD.	399.	409.	392.	349.	353.	363.	381.	435.	491.	470.	435.	434.	409.
PRECIP.	320.	268.	326.	422.	429.	350.	315.	250.	237.	215.	247.	275.	3654.
POT ET	123.	114.	122.	104.	108.	107.	115.	133.	147.	146.	131.	134.	1485.
DEF PREC	-197.	-154.	-204.	-318.	-321.	-243.	-200.	-117.	-90.	-69.	-116.	-141.	-2169.
DEP PREC	252.	208.	257.	338.	344.	277.	248.	192.	181.	163.	190.	214.	
MAI	2.04	1.82	2.11	3.24	3.18	2.60	2.16	1.45	1.23	1.11	1.45	1.59	

TEREZINA				LAT 5 5 LON 42 49				79. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	26.5	26.2	26.3	26.6	26.4	26.5	27.6	29.1	29.5	29.2	28.2	27.4
MEAN R.H.	82.	86.	86.	81.	67.	52.	45.	47.	51.	64.	66.	76.	67.
PCT SUN	46.	42.	41.	48.	63.	76.	81.	80.	77.	66.	64.	54.	62.
MEAN RAD.	472.	454.	440.	453.	480.	501.	529.	566.	597.	571.	558.	505.	510.
PRECIP.	175.	236.	311.	254.	91.	15.	8.	6.	10.	28.	60.	105.	1298.
POT ET	153.	131.	139.	139.	153.	154.	169.	185.	196.	195.	184.	168.	1966.
DEF PREC	-22.	-105.	-171.	-115.	63.	139.	161.	179.	186.	167.	124.	63.	668.
DEP PREC	129.	181.	244.	196.	57.	0.	0.	0.	0.	4.	31.	69.	
MAI	0.84	1.38	1.75	1.41	0.37	0.00	0.00	0.00	0.00	0.02	0.17	0.41	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

TRACATEUA	LAT 1 5 LON 47 10 36. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.0	24.6	24.7	24.6	24.6	24.3	24.5	24.9	25.3	25.6	25.8	24.9
MEAN R.H.	82.	91.	94.	88.	83.	74.	68.	60.	67.	58.	57.	66.	74.
PCT SUN	47.	33.	27.	38.	45.	57.	62.	69.	63.	72.	72.	64.	54.
MEAN RAD.	459.	393.	361.	409.	422.	455.	485.	543.	545.	584.	574.	530.	480.
PRECIP.	216.	426.	464.	444.	361.	204.	219.	110.	32.	22.	8.	48.	2554.
POT ET	143.	109.	110.	121.	129.	134.	147.	165.	162.	181.	174.	166.	1740.
DEF PREC	-73.	-317.	-354.	-323.	-232.	-69.	-73.	55.	129.	159.	166.	118.	-815.
DEP PREC	163.	342.	374.	357.	286.	153.	166.	74.	8.	0.	0.	21.	
MAI	1.15	3.13	3.40	2.96	2.23	1.14	1.13	0.45	0.05	0.00	0.00	0.13	

TURIACU	LAT 1 43 LON 45 24 18. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.0	26.4	26.1	26.1	26.3	26.2	26.1	26.6	27.0	27.3	27.5	27.5	26.7
MEAN R.H.	79.	85.	91.	88.	81.	73.	65.	55.	57.	56.	64.	67.	72.
PCT SUN	50.	42.	33.	38.	47.	58.	65.	74.	72.	73.	66.	63.	57.
MEAN RAD.	477.	447.	398.	409.	430.	455.	493.	558.	579.	590.	550.	529.	493.
PRECIP.	141.	260.	446.	425.	328.	221.	182.	69.	17.	10.	20.	59.	2178.
POT ET	154.	129.	126.	125.	136.	140.	156.	178.	181.	192.	174.	173.	1863.
DEF PREC	13.	-132.	-320.	-300.	-191.	-81.	-26.	109.	164.	182.	154.	114.	-315.
DEP PREC	100.	201.	359.	341.	259.	168.	135.	39.	0.	0.	0.	30.	
MAI	0.65	1.56	2.85	2.72	1.90	1.20	0.87	0.22	0.00	0.00	0.00	0.17	

UAUPES	LAT 0 8 LON 67 5 85. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.5	25.6	25.3	25.0	24.5	24.3	24.8	25.4	25.6	25.9	25.5	25.2
MEAN R.H.	88.	89.	90.	90.	89.	87.	86.	80.	77.	79.	81.	85.	85.
PCT SUN	39.	37.	36.	35.	36.	39.	41.	50.	52.	50.	48.	43.	42.
MEAN RAD.	411.	416.	411.	398.	379.	383.	397.	462.	496.	488.	461.	430.	428.
PRECIP.	275.	250.	285.	267.	317.	250.	246.	196.	148.	173.	202.	306.	2915.
POT ET	128.	117.	129.	119.	117.	113.	120.	141.	149.	153.	140.	134.	1560.
DEF PREC	-147.	-133.	-156.	-148.	-200.	-137.	-126.	-55.	1.	-20.	-62.	-172.	-1356.
DEP PREC	214.	192.	222.	267.	249.	192.	189.	147.	106.	127.	152.	240.	
MAI	1.67	1.64	1.73	73	2.14	1.71	1.58	1.04	0.71	0.83	1.08	1.79	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

AGUA BRANCA				LAT 9 15 LON 37 56				560. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.7	24.6	24.0	22.1	20.5	19.4	19.8	21.6	23.2	24.6	24.6	22.8
MEAN R.H.	72.	73.	76.	71.	80.	80.	76.	76.	71.	69.	64.	65.	73.
PCT SUN	58.	57.	54.	59.	49.	49.	54.	53.	59.	61.	66.	65.	57.
MEAN RAD.	549.	540.	507.	487.	402.	378.	408.	445.	514.	552.	584.	579.	495.
PRECIP.	52.	71.	120.	94.	182.	204.	196.	146.	46.	39.	25.	57.	1233.
POT ET	168.	149.	155.	142.	115.	100.	109.	119.	140.	162.	172.	176.	1708.
DEF PREC	116.	78.	34.	47.	-67.	-104.	-88.	-26.	94.	124.	147.	119.	475.
DEP PREC	20.	31.	59.	44.	94.	107.	102.	74.	17.	13.	5.	23.	
MAI	0.12	0.21	0.38	0.31	0.82	1.07	0.94	0.62	0.12	0.08	0.03	0.13	

ANADIA				LAT 9 38 LON 36 20				141. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.7	25.5	24.7	23.7	22.6	21.7	21.6	22.6	23.8	25.0	25.4	24.0
MEAN R.H.	62.	67.	70.	66.	78.	79.	75.	76.	70.	62.	55.	55.	68.
PCT SUN	68.	63.	60.	64.	52.	51.	55.	54.	60.	68.	73.	74.	62.
MEAN RAD.	593.	568.	535.	506.	411.	384.	410.	446.	517.	583.	617.	618.	516.
PRECIP.	33.	51.	86.	141.	195.	217.	192.	121.	70.	48.	17.	25.	1197.
POT ET	185.	161.	167.	150.	123.	108.	116.	126.	145.	174.	184.	192.	1830.
DEF PREC	152.	109.	81.	9.	-72.	-110.	-75.	4.	76.	126.	167.	167.	633.
DEP PREC	9.	20.	40.	71.	101.	114.	100.	60.	30.	18.	0.	5.	
MAI	0.05	0.12	0.24	0.47	0.83	1.06	0.86	0.48	0.21	0.10	0.00	0.03	

AREIA				LAT 6 58 LON 35 41				624. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	23.0	22.8	22.3	21.5	20.2	19.6	19.6	20.5	21.6	22.2	22.6	21.6
MEAN R.H.	71.	71.	77.	79.	82.	86.	81.	77.	70.	69.	61.	60.	74.
PCT SUN	60.	59.	53.	51.	46.	41.	48.	53.	61.	61.	69.	70.	56.
MEAN RAD.	544.	544.	504.	459.	401.	358.	396.	453.	525.	549.	586.	586.	492.
PRECIP.	55.	94.	159.	158.	205.	237.	185.	142.	54.	25.	28.	38.	1380.
POT ET	158.	144.	147.	128.	113.	94.	106.	121.	139.	155.	163.	170.	1638.
DEF PREC	103.	50.	-12.	-30.	-92.	-143.	-79.	-21.	85.	130.	135.	132.	258.
DEP PREC	22.	44.	81.	81.	107.	126.	96.	71.	21.	5.	6.	12.	
MAI	0.14	0.31	0.55	0.63	0.95	1.33	0.90	0.59	0.15	0.03	0.04	0.07	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

BARREIROS		LAT 8 49 LON 35 15 18. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	24.9	24.7	24.4	23.7	23.1	22.6	22.3	22.7	23.5	24.1	24.6	23.8
MEAN R.H.	58.	70.	74.	70.	82.	77.	76.	75.	69.	58.	60.	51.	68.
PCT SUN	71.	60.	56.	60.	47.	52.	53.	55.	61.	71.	70.	77.	61.
MEAN RAD.	605.	553.	514.	492.	395.	394.	408.	454.	524.	597.	599.	627.	513.
PRECIP.	104.	135.	185.	251.	385.	380.	309.	233.	133.	63.	55.	83.	2316.
POT ET	186.	153.	157.	144.	118.	112.	118.	130.	147.	177.	174.	191.	1809.
DEF PREC	81.	18.	-28.	-106.	-267.	-268.	-191.	-103.	14.	114.	119.	108.	-508.
DEP PREC	50.	67.	96.	133.	210.	207.	167.	123.	66.	26.	22.	38.	
MAI	0.27	0.44	0.61	0.93	1.78	1.85	1.41	0.95	0.45	0.15	0.13	0.20	

CAMPINA GRANDE		LAT 7 13 LON 35 53 527. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.4	24.4	23.8	22.6	21.4	20.6	20.7	21.9	22.9	23.7	24.0	22.9
MEAN R.H.	69.	66.	69.	74.	78.	85.	78.	74.	67.	65.	58.	59.	70.
PCT SUN	61.	64.	61.	57.	52.	43.	51.	56.	63.	65.	72.	71.	60.
MEAN RAD.	554.	569.	540.	484.	423.	366.	409.	463.	535.	568.	600.	592.	508.
PRECIP.	27.	43.	74.	94.	118.	119.	84.	59.	24.	13.	16.	19.	690.
POT ET	168.	156.	164.	140.	123.	99.	113.	128.	147.	166.	173.	178.	1753.
DEF PREC	141.	113.	90.	46.	4.	-20.	28.	69.	124.	153.	157.	159.	1063.
DEP PREC	6.	15.	33.	44.	58.	58.	38.	24.	4.	0.	0.	1.	
MAI	0.04	0.10	0.20	0.32	0.47	0.59	0.34	0.19	0.03	0.00	0.00	0.01	

CORRENTES		LAT 9 8 LON 36 22 374. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	23.5	24.5	23.7	22.6	21.2	20.7	20.5	21.8	23.1	24.2	24.5	22.9
MEAN R.H.	67.	70.	72.	69.	79.	83.	77.	77.	71.	65.	60.	58.	71.
PCT SUN	63.	60.	58.	62.	50.	45.	53.	53.	59.	65.	70.	71.	59.
MEAN RAD.	571.	554.	524.	499.	406.	365.	405.	441.	516.	572.	600.	603.	505.
PRECIP.	43.	29.	94.	106.	154.	165.	137.	108.	51.	36.	24.	28.	975.
POT ET	175.	149.	159.	144.	118.	99.	112.	121.	142.	168.	175.	183.	1744.
DEF PREC	132.	120.	65.	38.	-36.	-66.	-26.	13.	91.	132.	151.	155.	769.
DEP PREC	15.	7.	44.	51.	78.	84.	69.	52.	20.	11.	4.	7.	
MAI	0.09	0.05	0.28	0.35	0.66	0.86	0.62	0.43	0.14	0.07	0.02	0.04	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CRUSETA		LAT 6 26 LON 36 35 232. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.5	28.1	27.6	27.3	26.9	26.0	25.8	26.2	27.3	28.0	28.4	28.6	27.4
MEAN R.H.	65.	64.	68.	70.	63.	72.	65.	58.	54.	57.	52.	55.	62.
PCT SUN	65.	66.	62.	60.	67.	58.	65.	71.	75.	72.	76.	73.	68.
MEAN RAD.	565.	575.	545.	500.	487.	430.	466.	526.	584.	596.	615.	599.	541.
PRECIP.	39.	77.	129.	98.	57.	37.	7.	2.	1.	6.	1.	11.	464.
POT ET	189.	172.	179.	157.	157.	131.	146.	167.	184.	197.	198.	200.	2077.
DEF PREC	150.	95.	49.	59.	100.	95.	139.	165.	183.	191.	197.	190.	1613.
DEP PREC	13.	35.	64.	46.	23.	11.	0.	0.	0.	0.	0.	0.	
MAI	0.07	0.20	0.36	0.29	0.15	0.09	0.00	0.00	0.00	0.00	0.00	0.00	

FERNANDO NORONHA		LAT 3 50 LON 32 25 101. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.1	26.2	26.1	25.9	25.4	24.8	24.7	25.0	25.3	25.5	25.8	25.6
MEAN R.H.	56.	56.	64.	79.	73.	83.	79.	65.	54.	50.	43.	41.	62.
PCT SUN	73.	73.	66.	50.	58.	46.	50.	65.	75.	77.	83.	84.	67.
MEAN RAD.	586.	596.	560.	465.	464.	395.	423.	513.	588.	614.	629.	625.	538.
PRECIP.	44.	119.	189.	266.	266.	185.	137.	49.	17.	8.	10.	13.	1304.
POT ET	184.	170.	178.	142.	146.	119.	129.	157.	175.	190.	190.	196.	1976.
DEF PREC	140.	52.	-12.	-124.	-120.	-66.	-8.	108.	159.	183.	179.	183.	673.
DEP PREC	16.	58.	98.	142.	142.	96.	69.	18.	0.	0.	0.	0.	
MAI	0.09	0.34	0.55	1.00	0.97	0.81	0.53	0.12	0.00	0.00	0.00	0.00	

FORTALEZA		LAT 3 46 LON 38 33 26. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	27.2	26.8	26.8	26.7	26.1	26.0	26.0	26.4	26.8	26.9	27.2	26.7
MEAN R.H.	66.	75.	82.	80.	69.	65.	59.	49.	50.	48.	56.	56.	63.
PCT SUN	64.	55.	46.	49.	62.	65.	70.	79.	77.	79.	73.	73.	66.
MEAN RAD.	548.	515.	470.	462.	481.	472.	500.	567.	599.	622.	591.	582.	534.
PRECIP.	82.	158.	300.	306.	192.	100.	31.	14.	17.	9.	17.	30.	1256.
POT ET	178.	151.	151.	144.	154.	144.	158.	179.	184.	199.	184.	189.	2015.
DEF PREC	96.	-7.	-149.	-162.	-38.	44.	127.	165.	167.	191.	167.	159.	759.
DEP PREC	37.	81.	162.	165.	100.	48.	8.	0.	0.	0.	0.	8.	
MAI	0.21	0.53	1.07	1.15	0.65	0.33	0.05	0.00	0.00	0.00	0.00	0.04	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

GARANHUNS		LAT 8 53 LON 36 31 927. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	21.9	21.9	21.2	19.8	18.8	17.8	17.9	19.2	20.6	21.5	22.0	20.4
MEAN R.H.	77.	74.	78.	80.	86.	87.	82.	82.	75.	78.	68.	67.	78.
PCT SUN	53.	56.	52.	50.	42.	39.	46.	47.	55.	52.	62.	63.	51.
MEAN RAD.	523.	534.	495.	448.	372.	340.	379.	419.	496.	508.	564.	569.	471.
PRECIP.	39.	55.	111.	134.	224.	231.	213.	155.	66.	30.	36.	39.	1334.
POT ET	149.	137.	141.	121.	100.	86.	96.	107.	127.	140.	154.	163.	1520.
DEF PREC	110.	82.	30.	-13.	-124.	-145.	-117.	-48.	61.	110.	117.	123.	187.
DEP PREC	13.	22.	54.	67.	118.	122.	112.	79.	28.	8.	11.	13.	
MAI	0.09	0.16	0.38	0.55	1.18	1.42	1.16	0.74	0.22	0.05	0.07	0.08	

GOIANA		LAT 7 33 LON 34 59 11. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.0	25.9	25.4	24.8	23.8	23.3	23.3	24.3	25.2	25.7	25.9	25.0
MEAN R.H.	56.	66.	72.	75.	78.	76.	76.	71.	63.	54.	57.	49.	66.
PCT SUN	73.	64.	58.	55.	51.	53.	54.	59.	66.	74.	72.	78.	63.
MEAN RAD.	604.	569.	524.	476.	420.	406.	418.	476.	549.	608.	604.	625.	523.
PRECIP.	87.	151.	232.	326.	361.	388.	259.	175.	93.	51.	52.	76.	2251.
POT ET	191.	162.	165.	143.	129.	117.	123.	140.	161.	188.	183.	197.	1898.
DEF PREC	103.	11.	-67.	-183.	-232.	-271.	-136.	-35.	68.	137.	131.	121.	-353.
DEP PREC	40.	77.	123.	176.	196.	212.	138.	90.	44.	20.	20.	34.	
MAI	0.21	0.47	0.74	1.23	1.53	1.81	1.12	0.64	0.27	0.10	0.11	0.17	

GUARABIRA		LAT 6 51 LON 35 29 101. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.9	27.0	27.0	26.3	25.4	24.2	23.6	23.5	24.6	25.6	26.3	26.7	25.6
MEAN R.H.	61.	62.	65.	69.	72.	77.	73.	68.	61.	56.	53.	51.	64.
PCT SUN	69.	68.	65.	61.	59.	53.	57.	62.	69.	73.	76.	77.	66.
MEAN RAD.	586.	584.	557.	504.	452.	406.	433.	490.	560.	600.	615.	615.	533.
PRECIP.	42.	63.	98.	123.	151.	203.	88.	56.	22.	12.	20.	46.	924.
POT ET	188.	170.	180.	155.	141.	119.	129.	145.	165.	187.	189.	197.	1965.
DEF PREC	146.	107.	82.	32.	-10.	-84.	41.	90.	143.	175.	169.	151.	1042.
DEP PREC	14.	26.	46.	61.	77.	106.	41.	22.	3.	0.	2.	17.	
MAI	0.08	0.16	0.26	0.39	0.54	0.89	0.32	0.15	0.02	0.00	0.01	0.09	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

GUARAMIRANGA		LAT 4 17 LON 39 0 846. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.2	20.9	20.8	20.4	19.7	19.6	19.9	20.4	20.8	21.1	21.3	20.6
MEAN R.H.	82.	88.	92.	89.	85.	81.	73.	65.	65.	68.	72.	69.	78.
PCT SUN	47.	38.	31.	36.	42.	47.	57.	65.	65.	63.	59.	61.	51.
MEAN RAD.	473.	429.	384.	393.	395.	400.	448.	511.	548.	553.	531.	534.	467.
PRECIP.	132.	209.	321.	332.	254.	153.	81.	38.	34.	43.	39.	55.	1691.
POT ET	132.	108.	106.	105.	108.	104.	120.	138.	145.	153.	143.	150.	1513.
DEF PREC	0.	-101.	-215.	-227.	-146.	-49.	39.	100.	111.	110.	104.	94.	-179.
DEP PREC	66.	110.	174.	180.	135.	78.	37.	12.	10.	15.	13.	22.	
MAI	0.50	1.01	1.63	1.71	1.25	0.75	0.31	0.09	0.07	0.10	0.09	0.15	

IGUATU		LAT 6 22 LON 39 18 211. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.4	27.4	26.6	26.3	26.0	25.8	26.0	27.0	28.2	29.0	29.2	29.1	27.4
MEAN R.H.	70.	77.	80.	73.	67.	64.	56.	50.	51.	56.	61.	62.	64.
PCT SUN	60.	52.	49.	57.	63.	66.	73.	78.	77.	73.	69.	68.	65.
MEAN RAD.	543.	511.	484.	489.	473.	458.	494.	551.	592.	599.	584.	577.	530.
PRECIP.	79.	141.	203.	167.	67.	28.	12.	8.	7.	15.	18.	39.	784.
POT ET	181.	150.	155.	150.	149.	139.	156.	178.	190.	202.	192.	196.	2038.
DEF PREC	102.	10.	-48.	-17.	82.	111.	144.	170.	183.	188.	174.	156.	1254.
DEP PREC	36.	71.	106.	86.	29.	6.	0.	0.	0.	0.	1.	13.	
MAI	0.20	0.47	0.69	0.57	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.07	

JOAO PESSOA		LAT 7 6 LON 34 52 28. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.6	26.8	26.8	26.3	25.3	24.3	23.7	23.7	24.7	25.6	26.1	26.4	25.5
MEAN R.H.	57.	60.	67.	71.	75.	76.	75.	69.	61.	52.	52.	49.	64.
PCT SUN	72.	70.	63.	59.	55.	54.	55.	61.	68.	76.	76.	79.	66.
MEAN RAD.	600.	592.	547.	495.	435.	410.	424.	485.	557.	615.	617.	624.	533.
PRECIP.	62.	80.	173.	227.	301.	348.	190.	132.	61.	23.	31.	41.	1669.
POT ET	192.	171.	176.	152.	135.	120.	127.	145.	165.	192.	189.	199.	1961.
DEF PREC	130.	91.	3.	-75.	-166.	-228.	-63.	13.	104.	169.	158.	158.	292.
DEP PREC	26.	36.	89.	120.	162.	189.	99.	66.	25.	4.	8.	14.	
MAI	0.13	0.21	0.51	0.79	1.20	1.58	0.78	0.46	0.15	0.02	0.04	0.07	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

MACAIBA		LAT 5 49		LON 35 20		24. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.6	26.7	26.5	26.0	25.3	24.2	23.6	23.7	24.4	25.3	25.9	26.4	25.4
MEAN R.H.	60.	63.	68.	72.	74.	78.	74.	66.	59.	52.	50.	49.	64.
PCT SUN	70.	67.	62.	58.	57.	52.	56.	64.	70.	76.	78.	79.	66.
MEAN RAD.	584.	575.	543.	495.	450.	409.	436.	503.	567.	612.	619.	616.	534.
PRECIP.	41.	84.	141.	182.	184.	195.	130.	78.	30.	15.	14.	28.	1122.
POT ET	187.	166.	173.	151.	139.	119.	130.	150.	166.	190.	188.	196.	1957.
DEF PREC	146.	82.	32.	-31.	-44.	-76.	-0.	72.	136.	175.	174.	168.	835.
DEP PREC	14.	38.	71.	94.	95.	102.	65.	35.	8.	0.	0.	6.	
MAI	0.07	0.23	0.41	0.62	0.68	0.85	0.50	0.23	0.05	0.00	0.00	0.03	

MACEIO		LAT 9 40		LON 35 42		46. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	26.7	26.6	26.1	25.3	24.3	23.7	23.7	24.5	25.3	25.9	26.3	25.4
MEAN R.H.	58.	63.	68.	68.	75.	75.	72.	72.	67.	60.	55.	52.	65.
PCT SUN	71.	67.	62.	62.	54.	55.	58.	58.	63.	70.	74.	76.	64.
MEAN RAD.	608.	586.	543.	498.	421.	400.	420.	461.	532.	591.	617.	627.	525.
PRECIP.	58.	63.	135.	225.	345.	264.	216.	134.	86.	59.	31.	38.	1654.
POT ET	194.	170.	174.	152.	131.	117.	125.	137.	156.	183.	188.	199.	1926.
DEF PREC	136.	107.	39.	-73.	-214.	-147.	-91.	3.	70.	124.	157.	161.	273.
DEP PREC	24.	26.	67.	119.	187.	141.	114.	67.	40.	24.	8.	12.	
MAI	0.12	0.16	0.39	0.78	1.43	1.21	0.91	0.49	0.25	0.13	0.04	0.06	

MONDUBIM		LAT 3 50		LON 38 34		32. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	25.7	25.4	25.1	25.0	24.7	24.4	24.7	25.5	25.8	26.3	26.4	25.4
MEAN R.H.	67.	82.	85.	81.	75.	69.	63.	52.	53.	48.	58.	56.	66.
PCT SUN	64.	47.	43.	48.	55.	61.	67.	76.	76.	79.	71.	73.	63.
MEAN RAD.	548.	478.	452.	456.	451.	456.	487.	556.	592.	620.	584.	581.	522.
PRECIP.	92.	243.	312.	333.	213.	110.	52.	29.	24.	12.	27.	39.	1485.
POT ET	173.	135.	141.	136.	139.	135.	148.	170.	178.	194.	179.	185.	1914.
DEF PREC	81.	-108.	-171.	-197.	-74.	25.	96.	140.	155.	182.	153.	146.	428.
DEP PREC	43.	129.	168.	180.	112.	53.	20.	7.	4.	0.	6.	13.	
MAI	0.25	0.95	1.20	1.32	0.81	0.39	0.14	0.04	0.02	0.00	0.03	0.07	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

NATAL		LAT 5 46		LON 35 12		18. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	27.3	27.3	26.7	26.0	24.9	24.4	24.5	25.5	26.3	26.7	27.0	26.1
MEAN R.H.	59.	62.	70.	75.	72.	75.	73.	64.	57.	52.	50.	48.	63.
PCT SUN	70.	68.	61.	55.	58.	55.	57.	66.	72.	76.	78.	79.	66.
MEAN RAD.	585.	579.	538.	481.	455.	423.	440.	510.	575.	613.	619.	618.	536.
PRECIP.	43.	86.	189.	255.	263.	284.	208.	124.	47.	15.	14.	20.	1548.
POT ET	190.	170.	175.	149.	144.	125.	133.	155.	173.	195.	192.	199.	2001.
DEF PREC	147.	84.	-14.	-106.	-119.	-158.	-75.	31.	126.	180.	178.	179.	453.
DEP PREC	15.	40.	98.	136.	140.	152.	109.	61.	17.	0.	0.	2.	
MAI	0.08	0.23	0.56	0.91	0.98	1.21	0.82	0.40	0.10	0.00	0.00	0.01	

NAZARE DO MATA		LAT 7 44		LON 35 15		87. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.5	26.2	25.6	24.7	23.5	22.9	22.9	23.7	24.8	25.6	26.1	24.9
MEAN R.H.	60.	63.	67.	69.	75.	80.	75.	72.	64.	57.	54.	51.	66.
PCT SUN	70.	67.	63.	62.	55.	50.	55.	59.	66.	72.	74.	77.	64.
MEAN RAD.	593.	581.	547.	503.	434.	390.	419.	472.	545.	598.	613.	621.	526.
PRECIP.	38.	64.	109.	151.	197.	197.	129.	77.	40.	21.	27.	33.	1083.
POT ET	189.	167.	174.	152.	133.	112.	122.	138.	157.	183.	185.	196.	1908.
DEF PREC	150.	103.	65.	1.	-65.	-85.	-7.	61.	117.	162.	158.	163.	825.
DEP PREC	12.	27.	53.	77.	103.	103.	64.	34.	13.	3.	6.	9.	
MAI	0.07	0.16	0.30	0.50	0.78	0.92	0.52	0.25	0.08	0.01	0.03	0.05	

NAZARETH		LAT 7 44		LON 35 15		90. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	25.8	25.6	25.2	24.1	23.2	22.3	22.4	23.3	24.4	25.2	25.6	24.4
MEAN R.H.	60.	66.	69.	69.	77.	81.	77.	73.	65.	57.	54.	51.	67.
PCT SUN	70.	64.	61.	61.	52.	49.	53.	57.	65.	72.	75.	77.	63.
MEAN RAD.	592.	568.	538.	501.	423.	386.	413.	468.	541.	597.	615.	621.	522.
PRECIP.	63.	97.	126.	157.	205.	192.	147.	92.	39.	21.	24.	36.	1199.
POT ET	186.	161.	168.	150.	128.	110.	119.	135.	154.	181.	184.	194.	1870.
DEF PREC	123.	64.	42.	-7.	-78.	-82.	-28.	43.	116.	160.	160.	158.	671.
DEP PREC	26.	46.	62.	80.	108.	100.	74.	43.	13.	3.	4.	11.	
MAI	0.14	0.28	0.37	0.54	0.84	0.91	0.62	0.32	0.08	0.01	0.02	0.06	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

NOVA CRUZ		LAT 6 25 LON 35 24 79. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.1	27.0	26.5	26.0	25.2	24.1	23.4	23.8	24.9	26.0	26.6	27.0	25.6
MEAN R.H.	60.	62.	68.	71.	72.	79.	74.	67.	59.	53.	50.	50.	64.
PCT SUN	69.	68.	62.	59.	58.	50.	56.	63.	70.	75.	78.	78.	66.
MEAN RAD.	584.	580.	544.	498.	452.	401.	432.	497.	566.	609.	621.	616.	533.
PRECIP.	44.	74.	137.	168.	130.	135.	87.	50.	16.	8.	11.	13.	874.
POT ET	189.	169.	173.	152.	140.	117.	128.	149.	168.	192.	192.	199.	1968.
DEF PREC	145.	95.	37.	-16.	10.	-19.	41.	99.	152.	184.	181.	185.	1094.
DEP PREC	16.	33.	69.	86.	65.	68.	40.	19.	0.	0.	0.	0.	
MAI	0.08	0.19	0.40	0.57	0.46	0.58	0.31	0.13	0.00	0.00	0.00	0.00	

OLINDA-RECIFE		LAT 8 1 LON 34 51 56. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.0	27.1	27.0	26.6	25.6	24.7	24.2	24.2	25.0	25.9	26.4	26.7	25.9
MEAN R.H.	57.	60.	68.	71.	74.	75.	74.	70.	63.	54.	52.	50.	64.
PCT SUN	72.	70.	62.	59.	56.	55.	56.	61.	67.	74.	76.	78.	66.
MEAN RAD.	604.	594.	543.	492.	435.	408.	423.	479.	551.	608.	623.	627.	532.
PRECIP.	41.	89.	197.	249.	335.	318.	224.	147.	62.	37.	25.	40.	1764.
POT ET	195.	174.	175.	152.	136.	121.	128.	145.	164.	191.	192.	201.	1973.
DEF PREC	154.	85.	-22.	-97.	-199.	-197.	-96.	-3.	102.	154.	167.	161.	209.
DEP PREC	14.	41.	103.	132.	182.	172.	118.	74.	26.	12.	5.	13.	
MAI	0.07	0.24	0.59	0.87	1.34	1.42	0.93	0.51	0.16	0.06	0.02	0.07	

PALMEIRA DOS INDIO		LAT 9 25 LON 36 40 321. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	26.2	26.0	25.3	23.8	22.4	21.5	21.6	23.0	24.4	25.8	26.0	24.4
MEAN R.H.	66.	66.	68.	66.	75.	79.	74.	75.	69.	65.	58.	58.	68.
PCT SUN	65.	64.	62.	64.	55.	50.	56.	55.	61.	65.	71.	71.	62.
MEAN RAD.	577.	572.	542.	507.	423.	382.	414.	451.	524.	571.	607.	605.	515.
PRECIP.	27.	47.	74.	71.	146.	166.	137.	87.	39.	35.	19.	21.	868.
POT ET	183.	164.	171.	152.	126.	107.	116.	127.	148.	173.	184.	191.	1843.
DEF PREC	156.	117.	97.	81.	-20.	-59.	-21.	41.	110.	139.	165.	170.	975.
DEP PREC	6.	17.	33.	31.	74.	85.	69.	40.	13.	10.	1.	3.	
MAI	0.03	0.11	0.19	0.20	0.58	0.80	0.59	0.31	0.08	0.06	0.01	0.01	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PAO DE ACUCAR

LAT 9 46 LON 37 27

44. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.9	27.8	27.7	26.9	25.2	23.6	22.7	23.1	24.9	26.4	27.4	27.7	25.9
MEAN R.H.	62.	66.	66.	60.	71.	74.	69.	71.	66.	60.	57.	56.	65.
PCT SUN	68.	64.	64.	69.	59.	56.	61.	59.	64.	69.	72.	73.	65.
MEAN RAD.	594.	571.	552.	525.	438.	400.	430.	466.	536.	589.	611.	614.	527.
PRECIP.	40.	50.	51.	66.	101.	112.	113.	52.	26.	22.	23.	44.	699.
POT ET	196.	170.	181.	164.	135.	115.	125.	137.	159.	187.	193.	202.	1964.
DEF PREC	156.	120.	130.	98.	34.	4.	13.	85.	133.	166.	170.	157.	1265.
DEP PREC	13.	19.	20.	28.	48.	54.	55.	20.	5.	3.	4.	16.	
MAI	0.07	0.11	0.11	0.17	0.36	0.47	0.44	0.15	0.03	0.02	0.02	0.08	

PESQUEIRA

LAT 8 24 LON 36 46

677. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.2	24.0	23.1	21.9	20.5	19.6	20.1	21.8	23.3	24.1	24.3	22.6
MEAN R.H.	73.	72.	73.	76.	79.	85.	78.	76.	69.	71.	62.	64.	73.
PCT SUN	58.	58.	57.	54.	51.	42.	52.	54.	61.	59.	68.	66.	57.
MEAN RAD.	541.	544.	522.	470.	412.	357.	404.	449.	524.	544.	588.	580.	495.
PRECIP.	51.	91.	86.	121.	101.	81.	72.	37.	23.	19.	18.	29.	730.
POT ET	165.	148.	157.	134.	117.	95.	108.	122.	144.	160.	171.	175.	1697.
DEF PREC	114.	57.	71.	12.	17.	14.	36.	85.	121.	141.	153.	146.	967.
DEP PREC	20.	42.	39.	60.	48.	37.	32.	11.	4.	2.	1.	7.	
MAI	0.12	0.29	0.25	0.45	0.41	0.39	0.29	0.09	0.03	0.01	0.01	0.04	

PILAR

LAT 9 35 LON 35 54

131. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.9	25.7	25.2	24.1	23.0	22.4	22.4	23.2	24.2	25.1	25.6	24.4
MEAN R.H.	60.	65.	69.	67.	79.	78.	75.	75.	69.	61.	57.	54.	67.
PCT SUN	70.	65.	62.	63.	51.	52.	55.	55.	61.	68.	72.	75.	62.
MEAN RAD.	601.	576.	540.	501.	408.	388.	410.	450.	522.	585.	613.	621.	518.
PRECIP.	57.	79.	114.	174.	318.	281.	268.	157.	96.	69.	32.	33.	1678.
POT ET	189.	164.	169.	150.	123.	110.	118.	130.	149.	177.	183.	194.	1855.
DEF PREC	132.	84.	56.	-24.	-195.	-171.	-150.	-28.	53.	108.	151.	162.	176.
DEP PREC	23.	36.	55.	90.	172.	151.	143.	80.	45.	30.	9.	9.	
MAI	0.12	0.22	0.33	0.60	1.40	1.37	1.21	0.62	0.30	0.17	0.05	0.05	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PORANGABA		LAT 3 46		LON 38 33		27. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.9	26.5	26.2	26.1	25.9	25.5	25.3	25.6	26.2	26.7	26.9	27.1	26.2
MEAN R.H.	66.	80.	83.	80.	72.	67.	61.	50.	51.	48.	56.	56.	64.
PCT SUN	64.	49.	46.	49.	58.	63.	69.	78.	77.	79.	73.	73.	65.
MEAN RAD.	548.	487.	468.	459.	467.	465.	494.	564.	598.	621.	590.	582.	528.
PRECIP.	101.	236.	290.	323.	201.	104.	44.	20.	20.	11.	19.	28.	1397.
POT ET	176.	140.	148.	140.	147.	140.	153.	176.	183.	199.	184.	188.	1976.
DEF PREC	76.	-96.	-142.	-183.	-54.	37.	109.	157.	163.	188.	165.	160.	579.
DEP PREC	48.	125.	156.	175.	105.	50.	16.	2.	2.	0.	1.	7.	
MAI	0.27	0.89	1.05	1.25	0.72	0.35	0.10	0.01	0.01	0.00	0.01	0.04	

PORTO DE PEDRA		LAT 9 11		LON 35 20		14. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	26.4	26.1	25.8	25.2	24.3	23.7	23.7	24.4	25.2	25.7	26.0	25.2
MEAN R.H.	58.	65.	70.	65.	74.	76.	73.	72.	66.	56.	57.	51.	65.
PCT SUN	72.	65.	60.	65.	56.	54.	57.	58.	64.	73.	72.	77.	64.
MEAN RAD.	608.	577.	535.	511.	429.	398.	419.	464.	536.	603.	610.	630.	527.
PRECIP.	50.	87.	152.	173.	250.	258.	184.	112.	64.	53.	41.	44.	1468.
POT ET	193.	166.	169.	155.	133.	116.	125.	138.	157.	187.	185.	199.	1922.
DEF PREC	143.	79.	17.	-18.	-117.	-142.	-59.	27.	93.	133.	144.	154.	454.
DEP PREC	19.	40.	77.	89.	133.	138.	96.	54.	27.	21.	14.	16.	
MAI	0.10	0.24	0.46	0.58	1.00	1.18	0.76	0.39	0.17	0.11	0.07	0.08	

QUIXADA		LAT 4 58		LON 39 1		180. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.4	27.0	26.6	26.4	26.2	26.0	26.1	26.5	27.0	27.3	27.5	27.5	26.8
MEAN R.H.	71.	75.	79.	76.	67.	65.	57.	49.	51.	55.	58.	60.	63.
PCT SUN	60.	54.	51.	54.	63.	65.	72.	79.	77.	74.	72.	70.	66.
MEAN RAD.	536.	517.	492.	481.	480.	466.	500.	561.	594.	601.	589.	576.	533.
PRECIP.	52.	96.	173.	173.	96.	40.	18.	3.	1.	1.	7.	17.	677.
POT ET	175.	151.	157.	148.	152.	142.	158.	179.	185.	195.	186.	188.	2017.
DEF PREC	123.	55.	-16.	-23.	56.	102.	140.	176.	184.	194.	179.	171.	1340.
DEP PREC	20.	45.	89.	89.	45.	13.	1.	0.	0.	0.	0.	0.	
MAI	0.12	0.30	0.57	0.60	0.30	0.09	0.01	0.00	0.00	0.00	0.00	0.00	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

QUIXERAMOBIM		LAT 5 12 LON 39 18 205. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	29.0	28.4	27.6	27.1	26.7	26.5	26.9	27.7	28.3	28.6	28.7	29.1	27.9
MEAN R.H.	71.	73.	77.	74.	65.	62.	54.	45.	49.	53.	58.	61.	62.
PCT SUN	59.	57.	53.	56.	65.	68.	75.	82.	79.	75.	71.	69.	67.
MEAN RAD.	535.	532.	502.	488.	487.	473.	507.	570.	602.	607.	590.	573.	539.
PRECIP.	43.	88.	171.	160.	101.	40.	21.	9.	4.	2.	6.	16.	661.
POT ET	181.	160.	165.	153.	156.	146.	163.	187.	193.	203.	192.	194.	2093.
DEF PREC	138.	72.	-6.	-7.	55.	106.	142.	178.	189.	201.	185.	178.	1432.
DEP PREC	15.	41.	88.	82.	48.	13.	3.	0.	0.	0.	0.	0.	
MAI	0.08	0.25	0.53	0.53	0.31	0.09	0.02	0.00	0.00	0.00	0.00	0.00	

SATUBA		LAT 9 35 LON 35 45 20. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.3	25.3	24.7	24.2	23.2	22.5	22.3	23.1	24.0	25.0	25.3	24.2
MEAN R.H.	57.	68.	69.	66.	78.	77.	75.	75.	70.	59.	56.	52.	67.
PCT SUN	72.	62.	61.	64.	51.	53.	55.	55.	61.	71.	73.	76.	63.
MEAN RAD.	610.	564.	537.	506.	409.	391.	409.	448.	520.	595.	613.	628.	519.
PRECIP.	51.	107.	113.	191.	280.	303.	281.	181.	109.	40.	38.	48.	1740.
POT ET	189.	158.	166.	150.	123.	111.	118.	129.	148.	179.	183.	195.	1849.
DEF PREC	138.	51.	54.	-41.	-156.	-191.	-163.	-52.	39.	139.	145.	146.	108.
DEP PREC	20.	52.	55.	99.	150.	163.	151.	94.	53.	13.	12.	18.	
MAI	0.10	0.33	0.33	0.66	1.21	1.46	1.27	0.73	0.36	0.07	0.07	0.09	

SURUBIM		LAT 7 49 LON 35 47 430. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	24.8	24.9	24.4	23.3	22.2	21.6	21.7	23.0	23.9	24.4	24.7	23.7
MEAN R.H.	67.	65.	68.	72.	76.	83.	76.	73.	66.	66.	55.	57.	69.
PCT SUN	64.	65.	63.	59.	54.	45.	54.	57.	64.	64.	74.	72.	61.
MEAN RAD.	566.	572.	545.	490.	430.	371.	415.	464.	539.	565.	610.	600.	514.
PRECIP.	23.	48.	69.	89.	87.	93.	59.	35.	16.	14.	10.	15.	561.
POT ET	175.	158.	167.	144.	127.	103.	117.	132.	153.	169.	179.	183.	1807.
DEF PREC	151.	110.	98.	55.	40.	10.	58.	96.	136.	155.	169.	168.	1246.
DEP PREC	4.	18.	30.	41.	40.	44.	24.	11.	0.	0.	0.	0.	
MAI	0.02	0.11	0.18	0.29	0.32	0.42	0.21	0.08	0.00	0.00	0.00	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

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TAPACURA				LAT 8 10 LON 35 11				99. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	25.5	25.3	24.9	24.3	23.2	22.4	22.4	23.1	24.0	24.7	25.2	24.2
MEAN R.H.	60.	67.	70.	69.	77.	80.	77.	74.	67.	56.	57.	51.	67.
PCT SUN	70.	63.	60.	62.	53.	49.	53.	57.	64.	73.	72.	77.	63.
MEAN RAD.	594.	564.	534.	502.	424.	384.	411.	462.	535.	602.	607.	623.	520.
PRECIP.	57.	106.	128.	176.	206.	212.	169.	106.	58.	37.	36.	37.	1328.
POT ET	185.	159.	166.	149.	128.	109.	119.	133.	152.	181.	180.	193.	1853.
DEF PREC	128.	53.	37.	-26.	-78.	-103.	-51.	27.	94.	144.	143.	156.	525.
DEP PREC	23.	51.	64.	91.	108.	112.	87.	51.	24.	12.	11.	11.	
MAI	0.12	0.32	0.38	0.61	0.84	1.02	0.73	0.38	0.16	0.06	0.06	0.06	

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UMBUZEIRO				LAT 7 42 LON 35 42				497. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	24.0	23.9	23.2	22.1	20.9	20.2	20.2	21.2	22.4	23.2	23.5	22.4
MEAN R.H.	68.	66.	70.	74.	80.	86.	79.	76.	69.	67.	58.	58.	71.
PCT SUN	62.	64.	60.	57.	49.	42.	50.	53.	61.	63.	72.	71.	59.
MEAN RAD.	560.	567.	535.	482.	410.	357.	401.	451.	525.	561.	602.	596.	504.
PRECIP.	26.	43.	77.	106.	137.	151.	119.	82.	32.	19.	17.	21.	830.
POT ET	168.	154.	160.	137.	117.	96.	109.	123.	142.	162.	171.	177.	1716.
DEF PREC	142.	111.	83.	31.	-20.	-55.	-10.	41.	110.	143.	154.	156.	886.
DEP PREC	5.	15.	34.	51.	69.	77.	58.	37.	9.	1.	0.	3.	
MAI	0.03	0.10	0.21	0.37	0.58	0.80	0.54	0.30	0.06	0.01	0.00	0.01	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

AQUIDAUANA		LAT 20 28 LON 55 48 152. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	26.4	25.9	23.9	21.7	20.4	19.9	21.7	24.0	25.5	26.1	26.5	24.0
MEAN R.H.	80.	83.	76.	68.	63.	68.	61.	64.	76.	76.	71.	79.	72.
PCT SUN	50.	46.	53.	62.	67.	63.	68.	66.	54.	54.	59.	50.	58.
MEAN RAD.	538.	496.	485.	449.	393.	347.	378.	432.	460.	520.	581.	547.	469.
PRECIP.	234.	193.	150.	116.	98.	57.	44.	30.	71.	139.	138.	198.	1468.
POT ET	172.	142.	153.	130.	112.	92.	102.	122.	134.	162.	178.	174.	1673.
DEF PREC	-62.	-51.	2.	14.	14.	35.	58.	93.	63.	23.	40.	-24.	204.
DEP PREC	162.	130.	96.	69.	55.	22.	12.	1.	33.	87.	86.	134.	
MAI	0.94	0.91	0.63	0.53	0.49	0.24	0.12	0.01	0.25	0.54	0.49	0.77	

BELA VISTA		LAT 22 32 LON 55 38 650. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	25.6	25.0	22.8	20.2	18.3	17.6	20.0	22.1	23.3	24.5	25.6	22.6
MEAN R.H.	82.	74.	71.	65.	60.	70.	64.	64.	76.	78.	77.	85.	72.
PCT SUN	47.	56.	59.	65.	69.	61.	66.	66.	54.	52.	53.	43.	58.
MEAN RAD.	530.	548.	503.	446.	386.	326.	355.	417.	452.	510.	555.	510.	461.
PRECIP.	160.	134.	119.	119.	122.	76.	34.	44.	76.	132.	148.	169.	1334.
POT ET	167.	155.	155.	126.	105.	81.	90.	113.	125.	150.	163.	159.	1589.
DEF PREC	7.	21.	35.	7.	-17.	5.	56.	68.	49.	18.	16.	-10.	255.
DEP PREC	103.	83.	72.	71.	74.	38.	4.	12.	38.	81.	94.	111.	
MAI	0.62	0.54	0.46	0.57	0.70	0.46	0.04	0.11	0.30	0.54	0.57	0.70	

CACERES		LAT 16 3 LON 57 41 117. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.4	26.2	25.3	23.5	22.1	21.5	23.9	26.1	26.8	26.6	26.6	25.1
MEAN R.H.	86.	87.	83.	75.	72.	69.	61.	65.	81.	80.	82.	86.	77.
PCT SUN	42.	40.	46.	54.	58.	61.	69.	65.	48.	49.	47.	41.	52.
MEAN RAD.	484.	459.	456.	441.	396.	376.	412.	453.	449.	500.	511.	485.	452.
PRECIP.	215.	206.	171.	78.	48.	20.	11.	7.	36.	94.	157.	197.	1240.
POT ET	154.	132.	145.	132.	118.	104.	116.	136.	137.	160.	158.	155.	1647.
DEF PREC	-61.	-74.	-26.	54.	70.	84.	105.	129.	101.	66.	1.	-42.	407.
DEP PREC	147.	140.	112.	39.	15.	0.	0.	0.	6.	52.	101.	133.	
MAI	0.96	1.06	0.78	0.29	0.13	0.00	0.00	0.00	0.04	0.32	0.64	0.86	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

## CAMPO GRANDE

LAT 20 27 LON 54 37

566. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.2	23.8	22.0	20.3	19.3	19.1	21.1	22.8	23.5	24.0	24.5	22.4
MEAN R.H.	82.	82.	74.	67.	62.	65.	59.	61.	76.	75.	79.	85.	72.
PCT SUN	46.	46.	56.	64.	68.	65.	71.	69.	54.	55.	51.	42.	57.
MEAN RAD.	520.	498.	498.	454.	396.	355.	384.	440.	461.	523.	540.	500.	464.
PRECIP.	229.	199.	140.	101.	81.	50.	36.	29.	62.	162.	164.	191.	1444.
POT ET	157.	136.	149.	125.	108.	91.	101.	122.	130.	155.	157.	152.	1585.
DEF PREC	-72.	-63.	9.	24.	27.	41.	65.	94.	68.	-7.	-7.	-39.	140.
DEP PREC	158.	134.	89.	57.	41.	17.	6.	0.	26.	105.	107.	128.	
MAI	1.01	0.99	0.59	0.46	0.38	0.18	0.06	0.00	0.20	0.68	0.68	0.84	

## CORUMBA

LAT 19 0 LON 57 39

139. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.1	26.9	26.4	24.7	23.1	21.6	21.4	23.4	25.4	26.4	27.0	27.4	25.1
MEAN R.H.	83.	80.	76.	72.	71.	71.	63.	67.	80.	80.	76.	83.	75.
PCT SUN	46.	49.	54.	58.	59.	59.	66.	63.	49.	49.	54.	46.	54.
MEAN RAD.	513.	509.	491.	442.	382.	348.	384.	431.	445.	499.	552.	520.	460.
PRECIP.	170.	158.	119.	71.	62.	35.	29.	20.	52.	84.	118.	145.	1063.
POT ET	166.	148.	156.	131.	112.	95.	108.	127.	134.	159.	172.	169.	1678.
DEF PREC	-4.	-10.	37.	60.	50.	60.	79.	107.	82.	75.	54.	24.	614.
DEP PREC	112.	102.	71.	33.	26.	5.	0.	0.	18.	44.	71.	92.	
MAI	0.67	0.69	0.46	0.26	0.23	0.05	0.00	0.00	0.14	0.28	0.41	0.54	

## COXIPO

LAT 15 36 LON 56 3

146. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	26.2	26.0	25.5	23.2	22.0	21.4	23.4	25.8	26.3	26.5	26.3	24.9
MEAN R.H.	85.	86.	87.	74.	69.	64.	57.	62.	77.	78.	82.	86.	76.
PCT SUN	43.	41.	39.	56.	61.	66.	72.	68.	53.	52.	47.	42.	53.
MEAN RAD.	488.	465.	424.	448.	409.	392.	425.	467.	472.	513.	510.	485.	458.
PRECIP.	193.	210.	238.	113.	44.	16.	10.	16.	51.	128.	172.	210.	1400.
POT ET	155.	133.	134.	135.	120.	108.	119.	138.	143.	163.	157.	154.	1660.
DEF PREC	-38.	-77.	-104.	22.	77.	93.	109.	122.	92.	35.	-15.	-56.	260.
DEP PREC	129.	143.	165.	66.	12.	0.	0.	0.	17.	78.	114.	143.	
MAI	0.84	1.08	1.24	0.49	0.10	0.00	0.00	0.00	0.12	0.48	0.72	0.93	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CUIABA		LAT 15 36 LON 56 0 172. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	26.5	26.2	25.5	24.3	23.2	22.8	25.0	27.0	27.2	26.8	26.6	25.6
MEAN R.H.	85.	85.	87.	74.	68.	64.	57.	62.	78.	83.	82.	86.	76.
PCT SUN	42.	43.	40.	56.	62.	66.	72.	68.	51.	45.	47.	41.	53.
MEAN RAD.	487.	476.	428.	448.	412.	393.	425.	467.	464.	478.	507.	481.	455.
PRECIP.	216.	198.	232.	116.	52.	14.	6.	12.	40.	130.	165.	194.	1375.
POT ET	155.	137.	136.	135.	125.	112.	124.	144.	145.	155.	157.	154.	1678.
DEF PREC	-61.	-61.	-96.	19.	72.	98.	118.	132.	105.	25.	-8.	-40.	303.
DEP PREC	148.	134.	161.	69.	18.	0.	0.	0.	9.	80.	108.	131.	
MAI	0.95	0.98	1.18	0.51	0.15	0.00	0.00	0.00	0.06	0.52	0.68	0.85	

ENGENHO DE DENTRO		LAT 15 9 LON 56 22 153. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	26.1	25.3	23.9	22.4	20.8	20.2	20.6	22.0	22.3	23.6	24.7	23.2
MEAN R.H.	86.	76.	81.	75.	69.	65.	58.	62.	77.	50.	83.	87.	72.
PCT SUN	42.	54.	49.	55.	62.	65.	72.	67.	52.	78.	46.	40.	57.
MEAN RAD.	481.	534.	473.	446.	414.	394.	427.	468.	471.	628.	500.	476.	476.
PRECIP.	121.	122.	157.	108.	59.	64.	34.	59.	49.	113.	109.	131.	1126.
POT ET	152.	153.	147.	129.	119.	105.	116.	129.	130.	181.	144.	145.	1651.
DEF PREC	32.	31.	-11.	21.	60.	41.	82.	70.	81.	68.	35.	14.	525.
DEP PREC	73.	74.	102.	63.	24.	28.	4.	24.	16.	66.	63.	81.	
MAI	0.48	0.48	0.69	0.48	0.20	0.26	0.04	0.19	0.12	0.37	0.44	0.56	

FORMOSA		LAT 15 32 LON 47 18 912. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.0	22.1	21.9	21.5	20.1	19.0	18.9	20.7	22.8	22.9	21.9	21.6	21.3
MEAN R.H.	84.	78.	77.	64.	52.	38.	36.	41.	69.	78.	88.	91.	66.
PCT SUN	44.	52.	53.	66.	76.	87.	88.	85.	61.	51.	38.	33.	61.
MEAN RAD.	494.	523.	492.	486.	459.	452.	471.	522.	507.	510.	460.	430.	484.
PRECIP.	252.	204.	227.	93.	17.	3.	6.	3.	30.	127.	255.	343.	1560.
POT ET	141.	135.	140.	132.	125.	115.	123.	144.	143.	149.	127.	121.	1596.
DEF PREC	-111.	-69.	-87.	39.	108.	112.	117.	141.	113.	22.	-128.	-221.	35.
DEP PREC	176.	138.	157.	51.	0.	0.	0.	0.	1.	78.	179.	248.	
MAI	1.25	1.02	1.12	0.38	0.00	0.00	0.00	0.00	0.01	0.52	1.41	2.04	

FRUTAL		LAT 20 2 LON 48 56 563. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.6	24.4	22.9	20.8	19.4	19.6	21.9	23.5	24.5	24.6	24.5	22.9
MEAN R.H.	78.	82.	74.	60.	52.	47.	45.	47.	69.	81.	75.	82.	66.
PCT SUN	52.	47.	57.	70.	76.	80.	82.	80.	61.	49.	55.	47.	63.
MEAN RAD.	550.	499.	500.	477.	424.	396.	417.	477.	491.	494.	562.	529.	485.
PRECIP.	269.	238.	199.	87.	43.	25.	11.	12.	57.	132.	203.	254.	1530.
POT ET	168.	137.	152.	135.	117.	102.	111.	136.	141.	150.	166.	161.	1675.
DEF PREC	-101.	-101.	-47.	48.	74.	77.	101.	124.	84.	18.	-37.	-93.	146.
DEP PREC	190.	165.	134.	46.	11.	0.	0.	0.	22.	82.	138.	178.	
MAI	1.13	1.20	0.89	0.34	0.10	0.00	0.00	0.00	0.16	0.54	0.83	1.11	

GOIANIA		LAT 16 41 LON 49 17 729. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	23.0	22.8	22.2	20.4	18.9	18.8	21.2	23.2	23.6	23.0	22.7	21.9
MEAN R.H.	83.	80.	76.	65.	55.	45.	42.	47.	71.	78.	85.	89.	68.
PCT SUN	45.	49.	54.	65.	74.	81.	84.	80.	59.	51.	43.	37.	60.
MEAN RAD.	505.	510.	497.	478.	442.	428.	450.	501.	494.	510.	491.	460.	481.
PRECIP.	234.	210.	198.	110.	30.	5.	10.	3.	36.	143.	237.	271.	1487.
POT ET	147.	135.	145.	133.	121.	109.	118.	140.	141.	152.	139.	134.	1612.
DEF PREC	-87.	-75.	-54.	23.	91.	104.	108.	137.	105.	9.	-98.	-137.	125.
DEP PREC	162.	143.	134.	64.	1.	0.	0.	0.	6.	90.	165.	191.	
MAI	1.10	1.06	0.93	0.48	0.01	0.00	0.00	0.00	0.04	0.59	1.18	1.43	

GOIAS		LAT 15 56 LON 50 8 520. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.1	24.2	22.9	21.7	21.3	23.1	25.0	24.9	24.3	23.8	23.6
MEAN R.H.	83.	87.	85.	67.	58.	47.	44.	48.	69.	80.	83.	87.	70.
PCT SUN	45.	39.	42.	63.	71.	80.	83.	79.	61.	50.	45.	40.	58.
MEAN RAD.	505.	457.	440.	474.	439.	430.	453.	502.	506.	502.	501.	474.	474.
PRECIP.	333.	264.	279.	112.	19.	4.	3.	15.	55.	149.	241.	312.	1786.
POT ET	151.	124.	133.	139.	128.	118.	127.	147.	151.	154.	146.	142.	1659.
DEF PREC	-182.	-140.	-146.	27.	109.	114.	124.	132.	95.	5.	-95.	-171.	-127.
DEP PREC	240.	186.	198.	66.	0.	0.	0.	0.	21.	95.	168.	224.	
MAI	1.59	1.50	1.49	0.47	0.00	0.00	0.00	0.00	0.14	0.61	1.15	1.58	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

MERURI		LAT 15 43 LON 51 44 416. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.3	24.3	23.6	21.8	20.0	19.6	21.7	24.3	25.2	24.7	24.3	23.2
MEAN R.H.	84.	87.	81.	69.	61.	52.	47.	52.	71.	79.	83.	87.	71.
PCT SUN	45.	39.	48.	61.	69.	76.	80.	76.	59.	51.	46.	40.	57.
MEAN RAD.	499.	455.	470.	467.	434.	421.	447.	494.	497.	507.	501.	476.	472.
PRECIP.	290.	253.	214.	95.	32.	9.	4.	5.	53.	130.	212.	273.	1570.
POT ET	151.	124.	142.	135.	123.	110.	119.	140.	145.	157.	148.	144.	1639.
DEF PREC	-139.	-129.	-72.	40.	91.	101.	115.	135.	92.	27.	-64.	-129.	69.
DEP PREC	206.	177.	146.	52.	3.	0.	0.	0.	19.	80.	145.	193.	
MAI	1.37	1.43	1.03	0.39	0.02	0.00	0.00	0.00	0.13	0.51	0.98	1.34	

MONTE ALEGRE MINAS		LAT 18 52 LON 48 52 756. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	23.3	22.8	21.5	19.4	17.7	17.7	20.1	22.5	23.4	23.1	23.1	21.5
MEAN R.H.	81.	75.	72.	62.	53.	46.	43.	47.	71.	79.	81.	86.	66.
PCT SUN	48.	55.	58.	68.	75.	81.	83.	80.	60.	51.	48.	41.	62.
MEAN RAD.	528.	541.	508.	479.	431.	409.	430.	487.	489.	506.	523.	489.	485.
PRECIP.	237.	182.	185.	73.	36.	11.	10.	9.	44.	126.	167.	231.	1310.
POT ET	156.	144.	148.	130.	115.	100.	109.	132.	137.	149.	149.	143.	1612.
DEF PREC	-81.	-38.	-37.	58.	78.	89.	99.	123.	93.	23.	-18.	-88.	302.
DEP PREC	165.	121.	123.	35.	6.	0.	0.	0.	12.	77.	109.	160.	
MAI	1.05	0.84	0.83	0.27	0.05	0.00	0.00	0.00	0.09	0.51	0.73	1.11	

PARANA		LAT 12 33 LON 47 47 275. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.8	25.3	23.1	20.2	18.9	18.5	21.1	23.2	24.6	25.3	25.8	23.1
MEAN R.H.	82.	81.	74.	69.	54.	38.	36.	41.	68.	69.	83.	85.	65.
PCT SUN	46.	48.	56.	61.	74.	87.	88.	85.	62.	61.	45.	42.	63.
MEAN RAD.	500.	502.	510.	481.	473.	476.	495.	541.	518.	554.	491.	477.	502.
PRECIP.	218.	214.	184.	84.	8.	1.	2.	2.	29.	108.	227.	261.	1338.
POT ET	157.	142.	158.	137.	129.	121.	128.	151.	148.	169.	147.	150.	1736.
DEF PREC	-61.	-72.	-26.	53.	121.	120.	126.	149.	119.	61.	-80.	-111.	398.
DEP PREC	149.	146.	123.	44.	0.	0.	0.	0.	0.	63.	157.	184.	
MAI	0.95	1.03	0.77	0.32	0.00	0.00	0.00	0.00	0.00	0.37	1.06	1.23	

## PIRENPOLIS

LAT 15 51 LON 48 58 740. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.6	22.5	22.5	22.2	20.7	19.4	19.4	21.6	23.4	23.4	22.6	22.3	21.9
MEAN R.H.	84.	85.	80.	66.	55.	44.	41.	45.	69.	77.	86.	90.	68.
PCT SUN	44.	43.	49.	64.	74.	83.	85.	81.	61.	53.	41.	36.	59.
MEAN RAD.	498.	476.	472.	479.	449.	438.	459.	509.	506.	518.	478.	449.	478.
PRECIP.	245.	250.	241.	135.	28.	5.	2.	5.	45.	164.	238.	337.	1695.
POT ET	144.	124.	137.	133.	124.	113.	122.	144.	145.	153.	134.	129.	1602.
DEF PREC	-101.	-126.	-104.	-2.	96.	108.	120.	139.	100.	-11.	-104.	-208.	-93.
DEP PREC	171.	175.	168.	84.	0.	0.	0.	0.	13.	107.	165.	244.	
MAI	1.18	1.41	1.23	0.63	0.00	0.00	0.00	0.00	0.09	0.70	1.23	1.89	

## PORTO NACIONAL

LAT 10 31 LON 48 43 237. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.3	25.4	26.0	25.8	24.8	24.8	26.4	27.9	27.0	25.9	25.5	25.8
MEAN R.H.	85.	84.	85.	73.	54.	41.	38.	42.	68.	81.	87.	88.	69.
PCT SUN	43.	44.	42.	57.	75.	85.	86.	84.	63.	48.	40.	39.	59.
MEAN RAD.	475.	477.	445.	473.	488.	488.	506.	549.	526.	490.	459.	450.	485.
PRECIP.	274.	229.	273.	150.	36.	1.	2.	3.	35.	142.	233.	284.	1662.
POT ET	147.	133.	138.	144.	153.	144.	155.	175.	168.	158.	140.	140.	1796.
DEF PREC	-127.	-96.	-135.	-6.	117.	143.	153.	172.	133.	16.	-93.	-144.	133.
DEP PREC	194.	158.	193.	96.	6.	0.	0.	0.	5.	89.	161.	202.	
MAI	1.32	1.19	1.40	0.66	0.04	0.00	0.00	0.00	0.03	0.57	1.16	1.44	

## PRESIDENTE MURTINHO

LAT 15 38 LON 53 55 552. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.3	23.4	22.8	20.8	18.8	18.4	20.6	22.9	23.8	23.4	23.3	22.0
MEAN R.H.	86.	91.	87.	72.	65.	59.	53.	57.	74.	74.	87.	90.	74.
PCT SUN	40.	34.	39.	58.	65.	71.	76.	72.	56.	56.	40.	34.	54.
MEAN RAD.	476.	423.	424.	458.	423.	407.	436.	480.	487.	533.	471.	441.	455.
PRECIP.	311.	271.	261.	127.	43.	9.	6.	7.	55.	161.	250.	276.	1777.
POT ET	140.	113.	125.	129.	117.	103.	113.	132.	137.	159.	135.	130.	1533.
DEF PREC	-171.	-158.	-136.	2.	74.	94.	107.	125.	82.	-2.	-115.	-146.	-244.
DEP PREC	223.	191.	184.	78.	11.	0.	0.	0.	21.	105.	175.	195.	
MAI	1.59	1.70	1.47	0.60	0.10	0.00	0.00	0.00	0.15	0.66	1.30	1.50	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SANTA CRUZ				LAT 15 43 LON 52 45				416. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.1	24.1	24.0	22.5	21.1	20.9	23.0	25.1	24.6	24.6	24.0	23.5
MEAN R.H.	84.	91.	84.	71.	62.	55.	50.	55.	72.	75.	84.	87.	72.
PCT SUN	43.	34.	44.	60.	67.	73.	78.	74.	59.	55.	45.	39.	56.
MEAN RAD.	493.	422.	449.	463.	429.	414.	441.	487.	495.	526.	496.	469.	466.
PRECIP.	258.	280.	236.	110.	40.	7.	8.	8.	59.	116.	232.	289.	1642.
POT ET	148.	115.	135.	135.	124.	112.	122.	143.	148.	160.	146.	141.	1630.
DEF PREC	-110.	-166.	-100.	25.	84.	105.	114.	135.	89.	44.	-85.	-148.	-12.
DEP PREC	181.	199.	164.	64.	9.	0.	0.	0.	24.	69.	160.	205.	
MAI	1.22	1.73	1.21	0.48	0.07	0.00	0.00	0.00	0.16	0.43	1.10	1.46	

SANTA LUZIA				LAT 16 16 LON 47 53				910. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	21.7	21.6	21.2	19.7	18.5	18.1	19.8	21.8	22.0	21.6	21.2	20.7
MEAN R.H.	84.	82.	78.	64.	52.	40.	38.	43.	69.	73.	87.	91.	67.
PCT SUN	44.	47.	51.	66.	76.	85.	87.	83.	61.	57.	40.	34.	61.
MEAN RAD.	498.	498.	484.	484.	452.	441.	461.	513.	505.	536.	469.	437.	481.
PRECIP.	276.	233.	234.	126.	25.	7.	6.	12.	38.	163.	255.	330.	1706.
POT ET	141.	128.	137.	131.	121.	111.	118.	138.	139.	153.	128.	122.	1567.
DEF PREC	-135.	-106.	-97.	5.	96.	103.	113.	125.	101.	-10.	-127.	-208.	-140.
DEP PREC	195.	162.	162.	77.	0.	0.	0.	0.	7.	106.	179.	238.	
MAI	1.38	1.27	1.19	0.59	0.00	0.00	0.00	0.00	0.05	0.69	1.40	1.95	

SAO LUIZ CACERES				LAT 16 3 LON 57 41				118. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.1	25.1	24.5	22.5	20.9	20.2	22.5	24.8	25.5	25.5	25.4	23.9
MEAN R.H.	86.	86.	83.	75.	73.	69.	61.	65.	80.	73.	82.	86.	77.
PCT SUN	42.	41.	46.	54.	57.	61.	69.	65.	49.	58.	47.	41.	52.
MEAN RAD.	484.	465.	456.	441.	394.	376.	412.	453.	452.	540.	511.	484.	456.
PRECIP.	228.	200.	171.	87.	41.	23.	10.	10.	41.	96.	160.	202.	1270.
POT ET	150.	130.	141.	130.	114.	101.	112.	131.	134.	168.	154.	151.	1615.
DEF PREC	-79.	-70.	-30.	43.	73.	78.	102.	121.	93.	72.	-6.	-52.	345.
DEP PREC	158.	135.	112.	46.	10.	0.	0.	0.	10.	53.	104.	137.	
MAI	1.05	1.04	0.80	0.35	0.09	0.00	0.00	0.00	0.07	0.32	0.67	0.91	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

TRES LAGOAS				LAT 20 47 LON 51 41				313. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.8	25.3	23.1	20.2	18.9	18.5	21.1	23.2	24.6	25.3	25.8	23.1
MEAN R.H.	77.	80.	69.	63.	57.	57.	53.	55.	75.	75.	70.	78.	67.
PCT SUN	53.	49.	61.	67.	72.	72.	76.	74.	55.	55.	60.	51.	62.
MEAN RAD.	556.	513.	516.	465.	407.	371.	395.	455.	465.	523.	587.	554.	484.
PRECIP.	235.	203.	139.	92.	63.	41.	24.	19.	47.	109.	128.	205.	1305.
POT ET	174.	145.	160.	132.	111.	94.	102.	127.	132.	159.	176.	174.	1688.
DEF PREC	-61.	-58.	21.	40.	48.	53.	79.	108.	85.	50.	48.	-31.	383.
DEP PREC	163.	138.	87.	50.	27.	10.	0.	0.	14.	63.	78.	139.	
MAI	0.93	0.95	0.54	0.38	0.24	0.10	0.00	0.00	0.11	0.40	0.45	0.80	

UBERABA				LAT 19 44 LON 47 55				739. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	23.0	22.8	22.2	20.4	18.9	18.8	21.2	23.2	23.6	23.0	22.7	21.9
MEAN R.H.	79.	81.	73.	59.	50.	43.	42.	45.	66.	80.	78.	84.	65.
PCT SUN	51.	47.	57.	70.	78.	83.	84.	82.	64.	49.	52.	44.	63.
MEAN RAD.	543.	503.	505.	482.	430.	405.	425.	485.	506.	498.	543.	508.	486.
PRECIP.	274.	240.	202.	107.	38.	30.	13.	10.	70.	130.	218.	292.	1623.
POT ET	158.	133.	147.	134.	118.	103.	111.	136.	144.	148.	154.	148.	1633.
DEF PREC	-116.	-107.	-55.	27.	80.	73.	98.	125.	74.	18.	-64.	-144.	9.
DEP PREC	194.	167.	137.	62.	7.	1.	0.	0.	32.	80.	149.	208.	
MAI	1.23	1.26	0.93	0.46	0.06	0.01	0.00	0.00	0.22	0.54	0.97	1.41	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ALTO ITATIAIA				LAT 22 25 LON 44 50				2200. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.6	13.6	13.1	11.6	9.9	9.1	8.4	9.8	11.4	11.8	12.2	13.0	11.5
MEAN R.H.	89.	95.	92.	87.	75.	79.	75.	70.	87.	91.	92.	97.	86.
PCT SUN	37.	24.	30.	40.	55.	51.	54.	60.	39.	33.	31.	20.	40.
MEAN RAD.	466.	359.	361.	350.	345.	298.	323.	400.	387.	405.	425.	352.	373.
PRECIP.	397.	347.	302.	147.	70.	44.	39.	50.	103.	194.	278.	389.	2360.
POT ET	104.	73.	79.	71.	68.	55.	60.	78.	78.	85.	88.	77.	915.
DEF PREC	-293.	-275.	-223.	-76.	-2.	11.	21.	28.	-26.	-109.	-190.	-312.	-1445.
DEP PREC	253.	220.	190.	87.	36.	18.	15.	23.	58.	118.	174.	248.	
MAI	2.43	3.04	2.39	1.22	0.53	0.34	0.25	0.29	0.75	1.39	1.98	3.22	

ARACAJU				LAT 10 55 LON 37 5				6. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	26.8	26.9	26.4	25.4	24.5	23.8	23.7	24.5	25.4	25.8	26.2	25.5
MEAN R.H.	47.	56.	69.	70.	74.	72.	74.	67.	66.	63.	66.	63.	66.
PCT SUN	80.	73.	61.	60.	56.	59.	56.	63.	64.	67.	64.	67.	64.
MEAN RAD.	649.	613.	538.	487.	420.	403.	404.	476.	531.	579.	581.	593.	523.
PRECIP.	43.	46.	107.	162.	263.	177.	161.	104.	54.	50.	49.	38.	1254.
POT ET	207.	178.	173.	150.	131.	119.	121.	142.	156.	180.	176.	188.	1920.
DEF PREC	164.	132.	66.	-12.	-132.	-58.	-40.	38.	102.	130.	127.	150.	666.
DEP PREC	18.	20.	60.	97.	164.	107.	96.	58.	25.	23.	22.	15.	
MAI	0.09	0.11	0.35	0.65	1.26	0.90	0.80	0.41	0.16	0.13	0.12	0.08	

ARAQUAI				LAT 16 51 LON 41 59				264. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	26.1	25.7	24.3	22.6	21.1	20.9	22.2	24.3	25.9	25.1	25.1	24.1
MEAN R.H.	64.	67.	70.	71.	65.	65.	65.	61.	74.	76.	81.	81.	70.
PCT SUN	66.	63.	60.	59.	65.	65.	65.	69.	56.	54.	49.	48.	60.
MEAN RAD.	611.	578.	524.	455.	414.	381.	396.	463.	480.	523.	520.	525.	489.
PRECIP.	146.	83.	92.	56.	11.	6.	6.	3.	17.	63.	159.	199.	831.
POT ET	191.	165.	164.	133.	120.	103.	110.	133.	140.	164.	155.	162.	1741.
DEF PREC	45.	82.	72.	77.	109.	97.	104.	130.	123.	101.	-4.	-27.	910.
DEP PREC	86.	44.	50.	26.	0.	0.	0.	0.	1.	31.	95.	115.	
MAI	0.45	0.27	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.19	0.61	0.71	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ARAXA		LAT 19 34 LON 46 56 961. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.5	21.3	20.2	18.4	17.1	16.4	18.7	20.3	20.8	21.1	20.8	19.8
MEAN R.H.	78.	85.	80.	69.	63.	54.	51.	56.	75.	84.	86.	92.	73.
PCT SUN	52.	43.	49.	61.	67.	75.	77.	73.	55.	44.	41.	31.	56.
MEAN RAD.	549.	481.	465.	450.	401.	387.	409.	459.	469.	469.	483.	429.	454.
PRECIP.	318.	285.	229.	126.	28.	22.	16.	19.	68.	173.	246.	395.	1927.
POT ET	154.	122.	130.	119.	104.	93.	100.	120.	124.	130.	130.	119.	1443.
DEF PREC	-164.	-163.	-99.	-7.	75.	71.	83.	101.	56.	-43.	-116.	-277.	-483.
DEP PREC	201.	179.	142.	73.	8.	4.	0.	2.	34.	104.	153.	252.	
MAI	1.31	1.46	1.09	0.62	0.08	0.04	0.00	0.02	0.28	0.80	1.17	2.13	

AVARE		LAT 23 6 LON 48 55 761. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	22.3	21.7	19.5	17.5	17.1	16.3	17.3	18.6	19.8	20.9	21.8	19.6
MEAN R.H.	79.	84.	80.	71.	70.	49.	46.	61.	80.	88.	85.	90.	73.
PCT SUN	51.	44.	50.	60.	61.	79.	81.	69.	49.	39.	43.	34.	55.
MEAN RAD.	552.	484.	461.	425.	357.	366.	388.	422.	428.	439.	497.	457.	440.
PRECIP.	204.	199.	113.	61.	70.	60.	54.	41.	70.	125.	130.	171.	1298.
POT ET	159.	126.	131.	110.	90.	88.	94.	106.	108.	118.	133.	130.	1392.
DEF PREC	-45.	-73.	18.	49.	20.	28.	40.	65.	38.	-7.	3.	-41.	94.
DEP PREC	125.	121.	64.	30.	36.	29.	25.	16.	36.	72.	76.	103.	
MAI	0.78	0.97	0.49	0.27	0.40	0.33	0.27	0.16	0.33	0.61	0.57	0.79	

BANDEIRANTES		LAT 22 36 LON 44 28 532. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.5	22.8	20.9	18.8	17.5	17.2	18.4	19.8	21.0	21.6	22.4	20.6
MEAN R.H.	77.	84.	80.	77.	74.	68.	66.	68.	84.	88.	87.	90.	79.
PCT SUN	52.	44.	49.	53.	57.	62.	64.	62.	44.	38.	39.	35.	50.
MEAN RAD.	558.	486.	459.	404.	348.	329.	350.	405.	407.	435.	476.	459.	426.
PRECIP.	263.	255.	202.	81.	40.	31.	20.	25.	58.	118.	155.	227.	1475.
POT ET	166.	130.	134.	108.	91.	80.	87.	105.	106.	121.	130.	132.	1390.
DEF PREC	-97.	-125.	-68.	27.	51.	49.	67.	80.	48.	3.	-25.	-95.	-85.
DEP PREC	164.	159.	123.	43.	16.	10.	3.	6.	28.	68.	92.	140.	
MAI	0.99	1.22	0.92	0.40	0.17	0.12	0.03	0.06	0.26	0.56	0.71	1.06	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

BANGU	LAT 22 52 LON 43 27 40. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	26.6	25.7	23.7	21.7	20.5	19.8	20.7	21.5	22.7	23.6	25.1	23.2
MEAN R.H.	72.	77.	75.	75.	78.	68.	67.	72.	85.	87.	86.	87.	78.
PCT SUN	58.	53.	55.	55.	52.	62.	63.	58.	42.	39.	41.	40.	51.
MEAN RAD.	587.	531.	484.	409.	332.	327.	345.	389.	400.	440.	486.	493.	435.
PRECIP.	193.	164.	185.	120.	80.	44.	34.	43.	61.	90.	115.	154.	1283.
POT ET	187.	153.	152.	118.	94.	87.	93.	107.	109.	128.	140.	152.	1520.
DEF PREC	-6.	-11.	-33.	-2.	14.	43.	59.	64.	48.	38.	25.	-2.	237.
DEP PREC	118.	98.	112.	69.	42.	18.	12.	18.	30.	49.	66.	92.	
MAI	0.63	0.64	0.74	0.58	0.45	0.21	0.13	0.17	0.27	0.38	0.47	0.60	

BARBACENA	LAT 21 15 LON 43 46 1126. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.9	19.9	19.1	17.5	15.9	14.8	14.4	15.6	16.9	17.9	18.4	19.0	17.4
MEAN R.H.	79.	86.	85.	82.	72.	73.	72.	67.	84.	88.	88.	92.	81.
PCT SUN	50.	42.	42.	47.	58.	57.	59.	63.	44.	39.	39.	31.	48.
MEAN RAD.	543.	472.	430.	387.	363.	324.	344.	417.	412.	439.	470.	432.	420.
PRECIP.	237.	212.	186.	64.	31.	21.	13.	19.	58.	134.	185.	290.	1450.
POT ET	147.	115.	114.	94.	87.	73.	79.	99.	99.	112.	118.	114.	1250.
DEF PREC	-90.	-97.	-72.	30.	56.	52.	66.	80.	41.	-22.	-67.	-176.	-200.
DEP PREC	147.	130.	113.	32.	10.	3.	0.	2.	28.	78.	112.	182.	
MAI	1.00	1.13	0.99	0.34	0.11	0.04	0.00	0.02	0.28	0.70	0.95	1.60	

BARRA	LAT 11 5 LON 43 10 408. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.7	26.8	26.6	26.4	25.5	24.5	24.1	25.0	27.2	28.6	27.5	26.4	26.3
MEAN R.H.	55.	59.	64.	55.	49.	45.	48.	41.	53.	58.	67.	72.	55.
PCT SUN	74.	71.	66.	73.	79.	81.	80.	85.	75.	71.	63.	59.	73.
MEAN RAD.	626.	604.	559.	536.	497.	473.	481.	549.	577.	598.	575.	556.	553.
PRECIP.	89.	93.	119.	62.	16.	0.	0.	0.	8.	32.	118.	147.	684.
POT ET	201.	175.	179.	165.	155.	139.	145.	169.	181.	200.	182.	177.	2068.
DEF PREC	112.	82.	59.	103.	139.	139.	145.	169.	173.	168.	64.	30.	1384.
DEP PREC	48.	51.	68.	30.	0.	0.	0.	0.	0.	11.	68.	87.	
MAI	0.24	0.29	0.38	0.18	0.00	0.00	0.00	0.00	0.00	0.05	0.37	0.49	

## BARREIRO ARAXA

LAT 19 32 LON 47 0

973. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.0	20.9	20.6	19.5	16.9	15.3	15.7	16.6	19.0	20.1	20.5	20.7	18.9
MEAN R.H.	78.	85.	82.	68.	61.	57.	51.	53.	74.	82.	86.	92.	72.
PCT SUN	52.	43.	47.	63.	69.	72.	77.	76.	56.	46.	41.	32.	56.
MEAN RAD.	550.	477.	455.	455.	407.	381.	407.	468.	474.	482.	482.	433.	456.
PRECIP.	305.	279.	191.	102.	29.	14.	14.	16.	56.	150.	249.	379.	1783.
POT ET	153.	119.	125.	118.	101.	87.	97.	115.	121.	131.	128.	120.	1414.
DEF PREC	-152.	-160.	-66.	15.	72.	73.	84.	99.	65.	-19.	-121.	-259.	-369.
DEP PREC	192.	175.	116.	57.	8.	0.	0.	0.	26.	89.	155.	241.	
MAI	1.26	1.46	0.93	0.49	0.08	0.00	0.00	0.00	0.22	0.68	1.21	2.02	

## BARRA ITABAPOANA

LAT 21 18 LON 40 59

4. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.3	25.0	23.0	22.2	20.9	20.3	20.8	21.5	22.6	23.4	24.2	22.8
MEAN R.H.	68.	73.	77.	81.	78.	75.	76.	74.	86.	87.	87.	86.	79.
PCT SUN	62.	57.	53.	48.	51.	55.	54.	56.	41.	39.	40.	41.	50.
MEAN RAD.	605.	551.	481.	389.	340.	319.	330.	393.	399.	442.	478.	498.	435.
PRECIP.	94.	62.	86.	86.	60.	42.	29.	23.	56.	85.	132.	172.	927.
POT ET	186.	154.	148.	110.	98.	86.	90.	108.	109.	128.	137.	150.	1504.
DEF PREC	92.	92.	62.	24.	38.	44.	61.	85.	53.	43.	4.	-22.	576.
DEP PREC	52.	30.	46.	46.	29.	17.	8.	5.	26.	46.	77.	104.	
MAI	0.28	0.20	0.31	0.42	0.30	0.20	0.09	0.04	0.24	0.36	0.56	0.69	

## BELO HORIZONTE

LAT 19 56 LON 43 56

915. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	22.9	22.3	21.1	19.1	18.0	17.7	19.0	20.8	21.5	21.7	21.6	20.7
MEAN R.H.	76.	80.	76.	75.	69.	66.	64.	63.	80.	83.	86.	91.	76.
PCT SUN	53.	49.	54.	55.	61.	64.	66.	67.	49.	45.	40.	33.	53.
MEAN RAD.	558.	511.	488.	426.	382.	355.	376.	437.	442.	475.	480.	442.	448.
PRECIP.	268.	194.	165.	77.	22.	10.	7.	9.	38.	113.	215.	354.	1472.
POT ET	162.	135.	140.	115.	101.	88.	95.	115.	118.	134.	132.	125.	1459.
DEF PREC	-106.	-59.	-25.	38.	79.	78.	88.	106.	80.	21.	-83.	-229.	-13.
DEP PREC	167.	113.	99.	40.	4.	0.	0.	0.	15.	64.	132.	225.	
MAI	1.03	0.88	0.71	0.35	0.04	0.00	0.00	0.00	0.12	0.48	1.00	1.80	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

BONSUCESSO		LAT 21 2		LON 44 46		915. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.6	21.3	19.8	17.8	16.5	16.1	17.8	19.1	20.0	20.4	20.8	19.4
MEAN R.H.	80.	85.	81.	77.	70.	67.	65.	64.	81.	89.	89.	94.	79.
PCT SUN	49.	43.	48.	53.	61.	64.	65.	66.	47.	36.	36.	27.	50.
MEAN RAD.	535.	478.	459.	411.	371.	345.	364.	427.	429.	425.	453.	403.	425.
PRECIP.	348.	259.	212.	85.	27.	26.	19.	19.	70.	184.	240.	421.	1909.
POT ET	150.	122.	129.	107.	94.	82.	88.	108.	110.	115.	120.	111.	1336.
DEF PREC	-198.	-137.	-84.	22.	67.	56.	69.	90.	40.	-69.	-120.	-310.	-573.
DEP PREC	221.	161.	130.	46.	7.	6.	2.	2.	36.	111.	148.	269.	
MAI	1.47	1.32	1.01	0.43	0.08	0.08	0.02	0.01	0.32	0.97	1.24	2.42	

CABO FRIO		LAT 22 53		LON 42 2		2. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.3	25.1	23.8	22.4	21.3	20.7	20.8	21.1	22.0	23.0	24.1	22.9
MEAN R.H.	69.	76.	76.	77.	79.	72.	72.	74.	87.	87.	86.	85.	78.
PCT SUN	61.	54.	53.	52.	51.	58.	58.	56.	40.	40.	41.	42.	51.
MEAN RAD.	603.	539.	479.	400.	328.	315.	331.	383.	390.	444.	489.	506.	434.
PRECIP.	82.	73.	82.	88.	70.	41.	37.	36.	48.	64.	91.	104.	816.
POT ET	185.	151.	148.	116.	95.	85.	91.	106.	105.	127.	138.	152.	1500.
DEF PREC	103.	78.	66.	28.	24.	44.	54.	70.	57.	63.	48.	48.	684.
DEP PREC	44.	38.	44.	48.	36.	16.	14.	13.	21.	32.	50.	58.	
MAI	0.24	0.25	0.30	0.41	0.38	0.19	0.15	0.12	0.20	0.25	0.36	0.38	

CACHOEIRA DO CAMPO		LAT 20 21		LON 43 30		1107. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.5	20.6	20.2	19.0	17.0	15.8	14.9	16.5	18.0	18.9	19.4	19.8	18.4
MEAN R.H.	79.	84.	81.	79.	70.	72.	71.	66.	82.	83.	88.	92.	79.
PCT SUN	51.	44.	48.	51.	60.	58.	59.	64.	47.	45.	39.	31.	50.
MEAN RAD.	546.	485.	458.	406.	375.	336.	353.	426.	429.	478.	471.	433.	433.
PRECIP.	261.	210.	160.	83.	28.	19.	14.	27.	59.	68.	205.	327.	1462.
POT ET	150.	121.	125.	103.	93.	78.	82.	104.	106.	125.	121.	116.	1325.
DEF PREC	-111.	-89.	-35.	20.	66.	59.	68.	78.	47.	57.	-84.	-211.	-137.
DEP PREC	162.	129.	96.	45.	8.	2.	0.	7.	29.	35.	126.	207.	
MAI	1.08	1.07	0.77	0.43	0.08	0.02	0.00	0.07	0.27	0.28	1.04	1.78	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CACHOEIRO ITAPEMIR

LAT 20 51 LON 41 6

40. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.4	25.5	23.7	21.9	20.6	19.9	20.5	21.7	23.0	23.7	24.8	23.1
MEAN R.H.	68.	72.	75.	77.	75.	74.	75.	71.	84.	85.	85.	85.	77.
PCT SUN	63.	59.	55.	53.	55.	56.	55.	59.	44.	42.	42.	42.	52.
MEAN RAD.	607.	560.	493.	411.	354.	324.	337.	406.	415.	460.	491.	501.	447.
PRECIP.	115.	76.	104.	84.	49.	42.	29.	24.	45.	88.	126.	189.	971.
POT ET	191.	161.	154.	119.	101.	86.	91.	111.	114.	135.	142.	153.	1558.
DEF PREC	76.	85.	50.	35.	52.	44.	62.	87.	69.	47.	16.	-36.	587.
DEP PREC	66.	40.	58.	45.	22.	17.	8.	5.	19.	48.	73.	115.	
MAI	0.34	0.25	0.38	0.38	0.22	0.20	0.09	0.05	0.17	0.35	0.51	0.75	

CAETITE

LAT 14 4 LON 42 29

872. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.0	22.3	22.4	21.6	20.4	19.2	18.7	19.5	21.6	22.8	22.2	22.1	21.2
MEAN R.H.	65.	71.	75.	70.	58.	62.	63.	52.	67.	70.	78.	79.	68.
PCT SUN	65.	59.	55.	60.	71.	67.	67.	76.	63.	61.	51.	50.	62.
MEAN RAD.	597.	559.	503.	473.	454.	409.	421.	503.	519.	553.	529.	525.	504.
PRECIP.	134.	92.	126.	63.	19.	11.	12.	10.	13.	59.	185.	164.	888.
POT ET	170.	145.	145.	129.	124.	105.	110.	134.	142.	161.	147.	150.	1662.
DEF PREC	36.	53.	19.	66.	105.	94.	98.	124.	129.	102.	-38.	-14.	775.
DEP PREC	78.	50.	73.	31.	2.	0.	0.	0.	0.	28.	112.	98.	
MAI	0.46	0.35	0.50	0.24	0.02	0.00	0.00	0.00	0.00	0.18	0.76	0.65	

CAMBUQUIRA

LAT 21 51 LON 45 18

960. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	21.4	21.1	19.6	17.2	16.2	15.8	17.6	19.1	20.0	20.4	20.7	19.2
MEAN R.H.	79.	86.	80.	75.	70.	66.	63.	64.	82.	87.	86.	92.	77.
PCT SUN	51.	42.	49.	55.	60.	64.	67.	66.	47.	40.	41.	30.	51.
MEAN RAD.	549.	472.	462.	416.	364.	341.	364.	422.	425.	448.	485.	428.	431.
PRECIP.	248.	252.	164.	59.	35.	15.	14.	24.	60.	136.	168.	328.	1503.
POT ET	154.	120.	129.	108.	91.	80.	87.	107.	109.	121.	128.	118.	1352.
DEF PREC	-93.	-132.	-35.	49.	57.	65.	73.	82.	48.	-15.	-40.	-210.	-151.
DEP PREC	154.	157.	98.	28.	12.	0.	0.	5.	29.	80.	101.	208.	
MAI	1.00	1.31	0.76	0.26	0.13	0.00	0.00	0.05	0.27	0.66	0.79	1.76	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CAMPOS		LAT 21 45		LON 41 20		11. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	26.1	25.5	23.8	21.9	20.8	20.1	20.7	21.5	22.6	23.5	24.6	23.1
MEAN R.H.	69.	74.	75.	78.	77.	74.	75.	73.	86.	87.	88.	87.	79.
PCT SUN	61.	56.	55.	51.	52.	56.	55.	57.	42.	39.	39.	40.	50.
MEAN RAD.	600.	547.	488.	402.	340.	318.	331.	394.	400.	442.	472.	492.	436.
PRECIP.	134.	101.	109.	100.	56.	31.	31.	23.	54.	97.	151.	198.	1085.
POT ET	188.	156.	152.	116.	97.	85.	90.	109.	109.	128.	136.	150.	1516.
DEF PREC	54.	55.	43.	16.	41.	54.	59.	86.	55.	31.	-15.	-48.	430.
DEP PREC	78.	56.	62.	56.	26.	10.	10.	5.	25.	54.	90.	121.	
MAI	0.42	0.36	0.41	0.48	0.27	0.12	0.11	0.04	0.23	0.42	0.66	0.81	

CARATINGA		LAT 19 42		LON 42 9		579. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	22.7	22.4	20.9	18.4	17.0	16.4	17.6	19.6	21.2	21.7	22.3	20.3
MEAN R.H.	72.	79.	80.	77.	70.	74.	73.	66.	81.	84.	85.	87.	77.
PCT SUN	58.	51.	50.	52.	60.	56.	57.	65.	48.	44.	43.	39.	52.
MEAN RAD.	579.	521.	470.	416.	378.	333.	350.	431.	434.	468.	493.	484.	446.
PRECIP.	204.	151.	123.	72.	29.	13.	17.	14.	35.	120.	158.	231.	1166.
POT ET	169.	137.	135.	112.	98.	80.	85.	109.	112.	131.	135.	139.	1443.
DEF PREC	-35.	-14.	13.	39.	68.	67.	69.	95.	78.	11.	-23.	-92.	276.
DEP PREC	125.	90.	71.	37.	9.	0.	0.	0.	12.	69.	95.	143.	
MAI	0.74	0.65	0.52	0.34	0.09	0.00	0.00	0.00	0.11	0.53	0.70	1.03	

CARAVELAS		LAT 17 44		LON 39 15		4. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	25.7	25.4	24.5	22.9	21.7	20.8	21.2	22.2	23.5	24.2	23.0	23.4
MEAN R.H.	63.	70.	77.	77.	77.	76.	77.	74.	80.	84.	88.	81.	77.
PCT SUN	67.	61.	53.	53.	53.	54.	52.	56.	49.	44.	39.	48.	52.
MEAN RAD.	619.	567.	488.	428.	367.	342.	349.	413.	446.	472.	467.	529.	457.
PRECIP.	125.	97.	183.	218.	141.	113.	119.	81.	98.	144.	239.	170.	1728.
POT ET	193.	161.	152.	126.	107.	94.	96.	115.	124.	140.	136.	155.	1599.
DEF PREC	68.	64.	-31.	-92.	-34.	-19.	-23.	34.	26.	-4.	-103.	-15.	-129.
DEP PREC	72.	54.	111.	134.	83.	64.	68.	43.	54.	85.	148.	102.	
MAI	0.37	0.33	0.73	1.07	0.77	0.69	0.71	0.37	0.44	0.61	1.09	0.66	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CARMO		LAT 21 55 LON 42 37 341. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.9	24.1	22.1	20.1	18.8	18.2	19.5	20.8	22.2	22.8	23.5	21.8
MEAN R.H.	74.	79.	77.	78.	75.	73.	72.	70.	85.	87.	87.	90.	79.
PCT SUN	57.	51.	53.	51.	55.	57.	59.	60.	43.	39.	39.	35.	50.
MEAN RAD.	578.	522.	480.	401.	347.	322.	339.	401.	404.	444.	476.	463.	431.
PRECIP.	207.	169.	144.	68.	36.	25.	17.	18.	51.	106.	157.	273.	1271.
POT ET	176.	145.	145.	111.	94.	81.	87.	107.	108.	127.	134.	138.	1454.
DEF PREC	-31.	-24.	1.	43.	58.	56.	70.	89.	57.	21.	-23.	-136.	183.
DEP PREC	127.	102.	85.	34.	13.	6.	1.	1.	23.	60.	94.	171.	
MAI	0.72	0.70	0.59	0.31	0.14	0.07	0.01	0.01	0.21	0.47	0.70	1.24	

CATALAO		LAT 18 10 LON 47 58 857. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.6	22.3	21.4	19.8	18.8	18.7	20.9	22.7	23.0	22.6	22.1	21.4
MEAN R.H.	76.	80.	78.	63.	58.	43.	40.	48.	68.	80.	84.	90.	67.
PCT SUN	54.	49.	51.	67.	72.	83.	85.	79.	62.	49.	44.	36.	61.
MEAN RAD.	557.	511.	481.	477.	425.	420.	442.	488.	502.	499.	500.	455.	480.
PRECIP.	315.	234.	229.	82.	28.	9.	5.	4.	37.	143.	240.	341.	1667.
POT ET	160.	134.	138.	130.	114.	106.	115.	135.	141.	146.	140.	130.	1591.
DEF PREC	-155.	-100.	-91.	48.	86.	97.	110.	131.	104.	3.	-100.	-211.	-77.
DEP PREC	199.	145.	142.	44.	8.	0.	0.	0.	14.	84.	149.	216.	
MAI	1.24	1.08	1.02	0.34	0.07	0.00	0.00	0.00	0.10	0.58	1.06	1.66	

CATU		LAT 12 19 LON 38 22 95. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.3	25.1	25.2	22.8	21.6	20.8	21.0	21.8	23.4	24.4	24.9	23.4
MEAN R.H.	52.	62.	75.	72.	78.	73.	75.	76.	70.	69.	72.	70.	70.
PCT SUN	76.	68.	55.	58.	52.	57.	55.	54.	61.	61.	58.	60.	60.
MEAN RAD.	640.	595.	507.	473.	395.	390.	392.	431.	513.	557.	557.	571.	502.
PRECIP.	44.	61.	104.	223.	328.	190.	186.	210.	70.	65.	95.	89.	1656.
POT ET	197.	167.	156.	111.	115.	106.	108.	120.	141.	165.	163.	175.	1755.
DEF PREC	153.	105.	52.	-72.	-213.	-84.	-78.	-90.	71.	100.	68.	86.	99.
DEP PREC	19.	30.	52.	171.	207.	116.	113.	129.	36.	32.	53.	49.	
MAI	0.99	0.15	0.1	0.93	1.80	1.09	1.02	1.07	0.26	0.20	0.32	0.28	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CAXAMBU				LAT 21 59 LON 44 57				917. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.1	21.1	20.6	19.1	16.6	14.9	14.6	16.3	18.3	19.5	20.4	20.8	18.6
MEAN R.H.	78.	85.	82.	78.	72.	70.	66.	67.	84.	87.	87.	91.	79.
PCT SUN	51.	43.	46.	52.	58.	61.	64.	63.	44.	40.	40.	33.	50.
MEAN RAD.	552.	481.	447.	403.	358.	330.	355.	412.	413.	445.	480.	446.	427.
PRECIP.	241.	200.	167.	69.	31.	25.	15.	27.	65.	131.	178.	268.	1415.
POT ET	154.	121.	123.	103.	88.	74.	82.	100.	103.	119.	127.	123.	1317.
DEF PREC	-87.	-79.	-44.	34.	57.	50.	67.	74.	38.	-12.	-51.	-145.	-98.
DEP PREC	149.	122.	100.	35.	10.	6.	0.	7.	32.	76.	107.	168.	
MAI	0.97	1.01	0.81	0.34	0.11	0.08	0.00	0.07	0.32	0.64	0.84	1.36	

CONCEICAO BARRA				LAT 18 37 LON 39 40				4. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.1	25.8	24.6	23.1	22.0	21.3	21.6	22.6	23.6	24.3	25.1	23.8
MEAN R.H.	64.	70.	75.	78.	76.	75.	76.	74.	82.	85.	87.	83.	77.
PCT SUN	66.	60.	55.	52.	54.	55.	53.	56.	47.	42.	40.	45.	52.
MEAN RAD.	616.	566.	497.	418.	365.	338.	347.	409.	434.	462.	476.	514.	454.
PRECIP.	118.	97.	150.	133.	89.	78.	83.	58.	67.	133.	196.	205.	1407.
POT ET	194.	162.	156.	123.	107.	93.	97.	115.	122.	138.	139.	158.	1605.
DEF PREC	76.	65.	6.	-10.	13.	16.	14.	57.	55.	4.	-57.	-47.	198.
DEP PREC	68.	54.	89.	78.	48.	41.	44.	28.	34.	78.	120.	125.	
MAI	0.35	0.33	0.57	0.63	0.45	0.44	0.46	0.24	0.28	0.56	0.86	0.79	

CONCEICAO MATO DEN				LAT 19 2 LON 43 26				675. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	22.8	22.3	20.6	18.4	16.8	16.4	17.3	19.6	21.0	21.8	22.2	20.2
MEAN R.H.	74.	80.	80.	76.	68.	69.	68.	61.	79.	85.	90.	92.	77.
PCT SUN	56.	49.	49.	54.	63.	61.	62.	69.	51.	43.	35.	31.	52.
MEAN RAD.	567.	512.	469.	427.	391.	354.	370.	448.	452.	466.	447.	428.	444.
PRECIP.	261.	211.	193.	104.	37.	15.	15.	9.	44.	142.	287.	435.	1753.
POT ET	166.	135.	135.	114.	101.	85.	90.	112.	117.	129.	123.	123.	1429.
DEF PREC	-96.	-76.	-58.	10.	64.	70.	75.	103.	73.	-13.	-164.	-312.	-324.
DEP PREC	163.	130.	119.	58.	14.	0.	0.	0.	18.	84.	180.	278.	
MAI	0.98	0.96	0.87	0.51	0.14	0.00	0.00	0.00	0.16	0.65	1.46	2.27	

CONCEICAO SERRO				LAT 19 2 LON 43 20				674. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.0	22.7	21.1	19.1	17.3	16.8	18.2	20.0	21.4	21.7	22.5	20.6
MEAN R.H.	75.	80.	77.	75.	67.	69.	68.	61.	78.	85.	90.	92.	76.
PCT SUN	55.	49.	52.	55.	63.	62.	62.	69.	51.	42.	35.	32.	52.
MEAN RAD.	565.	513.	483.	430.	392.	355.	370.	448.	453.	461.	448.	431.	446.
PRECIP.	274.	218.	148.	102.	33.	10.	16.	8.	49.	155.	285.	421.	1719.
POT ET	166.	136.	140.	116.	103.	86.	91.	115.	119.	129.	123.	125.	1450.
DEF PREC	-108.	-82.	-8.	14.	71.	76.	75.	107.	70.	-25.	-162.	-297.	-269.
DEP PREC	171.	134.	88.	57.	11.	0.	0.	0.	21.	92.	179.	269.	
MAI	1.03	0.99	0.62	0.49	0.11	0.00	0.00	0.00	0.18	0.71	1.46	2.16	

CORDEIRO				LAT 22 9 LON 42 22				505. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.2	20.4	18.3	15.9	14.3	13.8	14.9	16.7	18.2	19.2	20.2	17.9
MEAN R.H.	79.	87.	89.	84.	77.	80.	79.	72.	87.	91.	91.	91.	84.
PCT SUN	50.	40.	36.	44.	53.	49.	51.	58.	40.	33.	34.	32.	43.
MEAN RAD.	546.	463.	395.	372.	341.	296.	313.	394.	389.	405.	441.	444.	400.
PRECIP.	350.	275.	290.	88.	56.	35.	9.	31.	74.	166.	211.	289.	1874.
POT ET	153.	117.	108.	93.	82.	65.	70.	92.	93.	104.	113.	121.	1211.
DEF PREC	-197.	-158.	-182.	5.	26.	30.	61.	61.	19.	-62.	-98.	-168.	-663.
DEP PREC	222.	172.	182.	48.	26.	13.	0.	10.	38.	100.	130.	181.	
MAI	1.45	1.47	1.69	0.51	0.32	0.19	0.00	0.11	0.41	0.95	1.15	1.50	

CORURUPE				LAT 10 9 LON 36 10				11. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.8	25.6	25.1	24.3	23.2	22.6	22.5	23.4	24.4	25.2	25.5	24.4
MEAN R.H.	47.	58.	75.	74.	72.	76.	79.	69.	67.	65.	65.	63.	67.
PCT SUN	80.	72.	56.	56.	58.	54.	50.	61.	63.	65.	65.	67.	62.
MEAN RAD.	647.	606.	512.	472.	433.	393.	388.	470.	531.	573.	584.	590.	517.
PRECIP.	33.	58.	117.	156.	214.	243.	247.	126.	73.	57.	23.	42.	1389.
POT ET	202.	172.	160.	111.	131.	112.	113.	136.	152.	174.	175.	184.	1850.
DEF PREC	169.	114.	43.	-15.	-83.	-131.	-134.	9.	79.	117.	151.	142.	462.
DEP PREC	11.	28.	67.	93.	132.	151.	153.	73.	38.	27.	5.	17.	
MAI	0.06	0.16	0.42	0.66	1.00	1.35	1.36	0.54	0.25	0.15	0.03	0.09	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CURVELO		LAT 18 46 LON 44 26 609. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.1	23.7	22.2	20.1	18.5	18.3	19.8	22.0	23.4	23.5	23.3	21.9
MEAN R.H.	72.	76.	75.	70.	64.	62.	59.	58.	75.	80.	84.	88.	72.
PCT SUN	58.	54.	55.	61.	66.	68.	70.	71.	55.	49.	45.	38.	57.
MEAN RAD.	579.	535.	498.	452.	403.	375.	396.	459.	470.	500.	502.	470.	470.
PRECIP.	236.	164.	163.	68.	19.	7.	5.	6.	35.	97.	190.	317.	1308.
POT ET	174.	146.	149.	126.	109.	94.	102.	123.	130.	148.	144.	139.	1583.
DEF PREC	-62.	-18.	-15.	57.	90.	87.	97.	117.	95.	51.	-46.	-178.	276.
DEP PREC	146.	98.	98.	34.	2.	0.	0.	0.	13.	54.	116.	200.	
MAI	0.84	0.68	0.66	0.27	0.02	0.00	0.00	0.00	0.10	0.36	0.80	1.44	

DIAMANTINA		LAT 18 15 LON 43 36 1261. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.3	20.5	20.0	18.7	17.0	15.9	15.3	16.6	18.1	19.1	19.3	19.4	18.3
MEAN R.H.	77.	81.	80.	77.	66.	69.	68.	60.	78.	81.	88.	91.	76.
PCT SUN	53.	48.	49.	53.	64.	62.	63.	70.	52.	48.	39.	33.	53.
MEAN RAD.	551.	506.	469.	425.	402.	361.	378.	457.	460.	490.	468.	437.	450.
PRECIP.	251.	170.	173.	107.	35.	12.	9.	12.	43.	112.	265.	363.	1551.
POT ET	150.	125.	127.	107.	100.	84.	89.	112.	114.	129.	120.	116.	1375.
DEF PREC	-101.	-45.	-46.	1.	65.	72.	80.	100.	71.	17.	-145.	-247.	-177.
DEP PREC	156.	102.	104.	60.	13.	0.	0.	0.	18.	64.	165.	230.	
MAI	1.04	0.81	0.82	0.56	0.13	0.00	0.00	0.00	0.16	0.49	1.38	1.98	

FRANCA		LAT 20 33 LON 47 26 1036. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.4	21.2	20.0	18.5	17.3	17.3	19.2	20.5	21.0	21.1	21.0	20.0
MEAN R.H.	78.	84.	79.	68.	64.	52.	48.	55.	75.	83.	85.	90.	72.
PCT SUN	52.	45.	50.	62.	66.	76.	79.	74.	55.	45.	42.	34.	57.
MEAN RAD.	550.	488.	471.	448.	391.	382.	406.	456.	463.	475.	491.	451.	456.
PRECIP.	250.	220.	187.	81.	40.	22.	16.	11.	65.	131.	206.	270.	1499.
POT ET	155.	124.	132.	117.	102.	92.	102.	121.	123.	132.	132.	125.	1457.
DEF PREC	-95.	-96.	-55.	36.	62.	70.	86.	110.	58.	1.	-74.	-145.	-42.
DEP PREC	155.	135.	113.	43.	16.	4.	0.	0.	32.	76.	126.	169.	
MAI	1.00	1.09	0.86	0.37	0.16	0.04	0.00	0.00	0.26	0.58	0.95	1.35	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

GAMELEIRA		LAT 19 56		LON 43 56		869. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	22.0	21.8	20.4	18.0	16.0	15.5	17.4	19.5	20.8	21.3	21.5	19.7
MEAN R.H.	76.	81.	79.	76.	69.	69.	67.	64.	80.	84.	87.	90.	77.
PCT SUN	53.	47.	51.	54.	61.	61.	63.	66.	49.	43.	40.	34.	52.
MEAN RAD.	557.	503.	474.	422.	382.	346.	368.	433.	439.	467.	475.	450.	443.
PRECIP.	285.	199.	160.	72.	23.	10.	8.	20.	47.	137.	229.	329.	1519.
POT ET	159.	130.	135.	112.	98.	81.	87.	109.	113.	129.	129.	127.	1406.
DEF PREC	-127.	-69.	-25.	40.	75.	70.	79.	89.	66.	-8.	-100.	-202.	-113.
DEP PREC	179.	121.	96.	37.	4.	0.	0.	3.	21.	80.	141.	208.	
MAI	1.13	0.94	0.71	0.33	0.05	0.00	0.00	0.03	0.18	0.62	1.10	1.64	

GARGAU		LAT 21 35		LON 41 4		3. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.3	25.0	23.0	22.2	20.9	20.3	20.8	21.5	22.6	23.4	24.2	22.8
MEAN R.H.	69.	76.	77.	79.	77.	75.	75.	73.	85.	88.	88.	85.	79.
PCT SUN	61.	54.	53.	50.	53.	55.	54.	57.	42.	38.	38.	43.	50.
MEAN RAD.	602.	536.	479.	398.	343.	317.	329.	395.	403.	438.	471.	508.	435.
PRECIP.	124.	127.	96.	70.	57.	44.	24.	29.	60.	108.	150.	129.	1018.
POT ET	185.	150.	147.	113.	98.	85.	90.	109.	110.	127.	135.	153.	1502.
DEF PREC	61.	23.	51.	43.	41.	41.	66.	80.	50.	19.	-15.	24.	484.
DEP PREC	72.	74.	53.	36.	27.	18.	5.	8.	29.	61.	89.	75.	
MAI	0.39	0.49	0.36	0.32	0.28	0.22	0.06	0.08	0.27	0.48	0.66	0.49	

GRAMINHA		LAT 21 37		LON 46 34		867. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	22.0	21.6	20.0	17.5	16.3	16.1	17.6	19.8	20.8	21.3	21.6	19.7
MEAN R.H.	78.	84.	80.	72.	68.	60.	56.	61.	80.	86.	87.	91.	75.
PCT SUN	51.	45.	50.	58.	62.	70.	73.	69.	50.	41.	40.	33.	53.
MEAN RAD.	550.	488.	465.	428.	371.	357.	381.	433.	438.	454.	481.	447.	441.
PRECIP.	265.	215.	175.	65.	42.	23.	13.	20.	62.	135.	195.	270.	1480.
POT ET	156.	126.	131.	112.	94.	84.	92.	109.	114.	125.	130.	126.	1400.
DEF PREC	-109.	-89.	-44.	47.	52.	61.	79.	89.	52.	-9.	-65.	-144.	-80.
DEP PREC	165.	132.	106.	32.	17.	5.	0.	3.	30.	79.	119.	169.	
MAI	1.06	1.05	0.80	0.29	0.18	0.05	0.00	0.02	0.27	0.63	0.91	1.34	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

GRAD MOGOL				LAT 16 30 LON 42 47				819. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	23.1	22.3	21.2	19.5	18.4	18.0	18.9	21.1	22.2	21.9	22.0	20.9
MEAN R.H.	69.	73.	77.	73.	63.	66.	65.	58.	74.	76.	83.	86.	72.
PCT SUN	61.	57.	53.	57.	67.	64.	65.	72.	57.	54.	45.	42.	58.
MEAN RAD.	589.	549.	490.	449.	422.	382.	398.	474.	484.	523.	499.	489.	479.
PRECIP.	161.	117.	151.	83.	22.	10.	9.	7.	30.	76.	226.	277.	1169.
POT ET	171.	146.	141.	121.	112.	96.	102.	124.	131.	150.	137.	140.	1571.
DEF PREC	10.	28.	-10.	38.	90.	86.	93.	117.	101.	74.	-89.	-138.	402.
DEP PREC	96.	67.	90.	44.	4.	0.	0.	0.	9.	40.	139.	173.	
MAI	0.56	0.46	0.64	0.37	0.03	0.00	0.00	0.00	0.07	0.26	1.01	1.24	

GUARATINGA				LAT 18 36 LON 46 38				856. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	21.8	21.4	20.3	17.7	16.5	15.7	17.9	20.5	21.7	21.9	21.7	19.9
MEAN R.H.	74.	82.	81.	68.	61.	55.	52.	52.	72.	79.	83.	88.	70.
PCT SUN	57.	47.	48.	63.	69.	74.	76.	76.	58.	51.	45.	37.	58.
MEAN RAD.	571.	502.	466.	460.	414.	392.	414.	475.	483.	505.	505.	467.	471.
PRECIP.	223.	230.	185.	102.	29.	8.	8.	7.	43.	108.	209.	296.	1449.
POT ET	163.	129.	131.	122.	105.	93.	99.	121.	128.	143.	139.	132.	1505.
DEF PREC	-60.	-101.	-54.	19.	76.	85.	90.	114.	85.	35.	-70.	-164.	56.
DEP PREC	137.	142.	112.	57.	8.	0.	0.	0.	18.	61.	128.	186.	
MAI	0.84	1.10	0.86	0.47	0.08	0.00	0.00	0.00	0.14	0.43	0.92	1.41	

IBIPETUBA				LAT 11 1 LON 44 31				434. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.6	24.6	24.5	23.4	21.9	21.5	22.3	24.9	26.3	25.5	24.8	24.1
MEAN R.H.	56.	65.	73.	56.	46.	44.	45.	38.	52.	59.	69.	74.	56.
PCT SUN	73.	65.	57.	73.	81.	83.	82.	87.	76.	71.	61.	56.	72.
MEAN RAD.	621.	578.	520.	535.	503.	478.	489.	557.	579.	596.	568.	546.	547.
PRECIP.	125.	145.	136.	73.	12.	1.	1.	1.	7.	53.	158.	199.	910.
POT ET	189.	159.	158.	157.	149.	132.	138.	160.	172.	189.	171.	167.	1942.
DEF PREC	64.	14.	23.	84.	137.	131.	137.	159.	165.	136.	13.	-31.	1032.
DEP PREC	72.	86.	80.	38.	0.	0.	0.	0.	0.	25.	94.	121.	
MAI	0.38	0.54	0.50	0.24	0.00	0.00	0.00	0.00	0.00	0.13	0.55	0.72	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ILHEUS		LAT 14 42 LON 39 3 44. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.1	25.9	25.2	23.8	22.7	22.0	22.4	23.4	24.3	24.9	25.5	24.3
MEAN R.H.	59.	68.	76.	72.	73.	72.	73.	72.	73.	77.	81.	76.	73.
PCT SUN	71.	62.	54.	58.	57.	59.	57.	58.	57.	53.	48.	54.	57.
MEAN RAD.	625.	572.	500.	462.	402.	377.	383.	436.	492.	519.	513.	550.	486.
PRECIP.	149.	162.	254.	270.	170.	195.	191.	130.	97.	124.	189.	152.	2083.
POT ET	196.	163.	157.	138.	120.	106.	109.	126.	141.	157.	152.	172.	1738.
DEF PREC	47.	1.	-97.	-132.	-50.	-89.	-82.	-4.	44.	33.	-37.	20.	-345.
DEP PREC	88.	97.	158.	169.	102.	119.	116.	76.	54.	72.	115.	90.	
MAI	0.45	0.59	1.00	1.22	0.85	1.12	1.06	0.60	0.38	0.46	0.75	0.53	

ITABAIANINHA		LAT 11 17 LON 37 49 225. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.4	25.2	24.5	23.1	22.0	21.2	21.2	22.1	23.4	24.4	25.0	23.6
MEAN R.H.	51.	59.	72.	74.	69.	73.	76.	66.	69.	66.	69.	67.	68.
PCT SUN	77.	70.	58.	56.	61.	57.	54.	64.	62.	64.	61.	63.	62.
MEAN RAD.	638.	603.	521.	468.	435.	396.	396.	477.	520.	567.	569.	580.	514.
PRECIP.	41.	41.	91.	112.	160.	106.	131.	86.	55.	54.	72.	51.	1000.
POT ET	197.	169.	161.	138.	128.	109.	111.	133.	144.	168.	167.	178.	1803.
DEF PREC	156.	128.	70.	26.	-32.	3.	-20.	47.	89.	113.	95.	127.	803.
DEP PREC	16.	16.	50.	64.	96.	60.	76.	46.	26.	25.	37.	23.	
MAI	0.08	0.10	0.31	0.46	0.75	0.55	0.69	0.35	0.18	0.15	0.22	0.13	

ITABIRA		LAT 19 37 LON 43 13 826. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	22.3	21.6	20.0	18.0	16.4	15.7	17.0	18.7	20.3	21.1	21.2	19.5
MEAN R.H.	75.	81.	80.	76.	68.	71.	70.	63.	80.	83.	87.	91.	77.
PCT SUN	55.	48.	49.	54.	62.	59.	60.	67.	49.	45.	39.	33.	52.
MEAN RAD.	566.	509.	467.	421.	385.	343.	361.	440.	441.	477.	473.	444.	444.
PRECIP.	233.	192.	174.	96.	29.	16.	8.	11.	45.	109.	223.	358.	1494.
POT ET	163.	132.	132.	110.	98.	81.	86.	109.	112.	130.	128.	124.	1405.
DEF PREC	-70.	-60.	-42.	14.	69.	65.	78.	98.	67.	21.	-95.	-234.	-89.
DEP PREC	144.	117.	105.	53.	8.	0.	0.	0.	19.	62.	137.	227.	
MAI	0.89	0.88	0.80	0.48	0.09	0.00	0.00	0.00	0.17	0.47	1.08	1.83	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ITAJUBA		LAT 21 26 LON 45 28 840. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	22.0	21.5	19.5	16.9	15.3	15.1	17.1	19.1	20.5	21.2	21.6	19.3
MEAN R.H.	77.	84.	80.	75.	70.	66.	63.	63.	81.	86.	86.	90.	77.
PCT SUN	52.	44.	49.	55.	61.	64.	67.	67.	48.	41.	41.	34.	52.
MEAN RAD.	555.	486.	462.	417.	369.	343.	366.	426.	431.	455.	487.	452.	438.
PRECIP.	237.	228.	164.	65.	41.	31.	22.	27.	67.	118.	164.	252.	1416.
POT ET	159.	125.	130.	108.	91.	78.	86.	106.	110.	125.	132.	128.	1379.
DEF PREC	-78.	-103.	-34.	43.	50.	47.	64.	79.	43.	7.	-32.	-124.	-38.
DEP PREC	147.	141.	98.	32.	16.	10.	4.	7.	34.	68.	98.	157.	
MAI	0.92	1.12	0.76	0.30	0.18	0.13	0.05	0.07	0.31	0.54	0.75	1.23	

ITAMARANDIBA		LAT 17 51 LON 42 51 974. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.2	21.0	19.8	17.7	16.2	15.5	16.7	18.8	20.2	20.3	21.0	19.2
MEAN R.H.	72.	79.	79.	76.	66.	71.	69.	61.	78.	79.	84.	86.	75.
PCT SUN	58.	51.	50.	54.	64.	60.	61.	69.	52.	51.	43.	40.	54.
MEAN RAD.	574.	519.	475.	429.	404.	358.	376.	456.	459.	507.	494.	484.	461.
PRECIP.	200.	149.	115.	67.	25.	5.	11.	10.	29.	87.	216.	246.	1158.
POT ET	161.	131.	132.	112.	102.	84.	89.	112.	116.	138.	130.	135.	1443.
DEF PREC	-39.	-17.	17.	45.	77.	80.	79.	102.	88.	51.	-86.	-111.	285.
DEP PREC	122.	88.	66.	34.	6.	0.	0.	0.	8.	47.	133.	153.	
MAI	0.76	0.67	0.50	0.30	0.06	0.00	0.00	0.00	0.07	0.34	1.02	1.13	

ITAPERUNA		LAT 21 11 LON 41 53 127. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.0	25.1	23.2	20.9	19.8	19.4	20.5	21.8	23.2	23.9	24.7	22.9
MEAN R.H.	71.	74.	76.	79.	75.	73.	73.	71.	85.	88.	88.	88.	78.
PCT SUN	60.	56.	54.	51.	55.	57.	57.	59.	43.	39.	38.	38.	50.
MEAN RAD.	593.	545.	487.	401.	352.	326.	339.	404.	410.	441.	468.	475.	437.
PRECIP.	156.	123.	145.	75.	37.	23.	17.	15.	48.	101.	166.	248.	1154.
POT ET	186.	155.	150.	114.	97.	85.	90.	111.	113.	130.	136.	145.	1512.
DEF PREC	30.	32.	5.	39.	60.	62.	73.	96.	65.	29.	-30.	-103.	358.
DEP PREC	93.	71.	86.	39.	14.	5.	1.	0.	21.	56.	100.	154.	
MAI	0.50	0.46	0.57	0.34	0.14	0.05	0.01	0.00	0.19	0.43	0.73	1.06	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

JACOBINA		LAT 11 11 LON 40 31 470. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.7	25.3	24.3	22.7	21.6	20.8	21.7	23.0	24.6	25.1	25.1	23.8
MEAN R.H.	55.	60.	69.	67.	59.	63.	65.	55.	62.	61.	69.	70.	63.
PCT SUN	74.	70.	61.	63.	70.	67.	65.	74.	68.	68.	61.	60.	67.
MEAN RAD.	625.	600.	536.	497.	469.	429.	434.	511.	545.	587.	567.	564.	530.
PRECIP.	80.	74.	129.	97.	74.	61.	75.	54.	34.	30.	111.	104.	923.
POT ET	194.	170.	166.	145.	136.	117.	120.	145.	154.	179.	169.	174.	1870.
DEF PREC	114.	96.	37.	48.	63.	56.	45.	91.	120.	149.	58.	70.	947.
DEP PREC	42.	38.	75.	54.	38.	30.	39.	25.	12.	9.	63.	58.	
MAI	0.22	0.23	0.45	0.37	0.28	0.25	0.33	0.17	0.08	0.05	0.37	0.34	

JANUARIA		LAT 15 30 LON 44 21 439. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.3	25.2	24.6	23.3	22.2	22.0	23.4	25.5	26.4	25.2	24.7	24.4
MEAN R.H.	64.	69.	70.	62.	56.	51.	50.	49.	65.	70.	77.	81.	64.
PCT SUN	66.	62.	61.	68.	73.	77.	78.	78.	65.	60.	52.	48.	66.
MEAN RAD.	608.	573.	528.	496.	447.	427.	442.	502.	523.	551.	537.	520.	513.
PRECIP.	147.	105.	103.	52.	11.	1.	1.	2.	16.	57.	165.	217.	877.
POT ET	187.	161.	163.	146.	132.	119.	126.	148.	158.	175.	161.	159.	1835.
DEF PREC	40.	56.	60.	94.	121.	118.	125.	146.	142.	118.	-5.	-58.	958.
DEP PREC	87.	59.	58.	24.	0.	0.	0.	0.	0.	27.	99.	133.	
MAI	0.46	0.37	0.35	0.16	0.00	0.00	0.00	0.00	0.00	0.15	0.62	0.84	

JARDIN BOTANICO		LAT 22 58 LON 43 14 17. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.4	24.9	23.2	21.2	19.8	19.0	19.5	20.4	21.3	22.8	24.3	22.2
MEAN R.H.	72.	79.	79.	76.	81.	70.	69.	78.	86.	91.	88.	88.	80.
PCT SUN	58.	50.	51.	54.	48.	60.	61.	52.	41.	34.	38.	39.	49.
MEAN RAD.	587.	518.	467.	406.	319.	321.	339.	368.	395.	409.	467.	487.	424.
PRECIP.	193.	173.	165.	157.	140.	97.	85.	105.	124.	168.	162.	181.	1751.
POT ET	182.	145.	143.	116.	89.	83.	89.	98.	105.	115.	131.	147.	1444.
DEF PREC	-11.	-28.	-22.	-42.	-51.	-14.	4.	-7.	-19.	-54.	-30.	-34.	-307.
DEP PREC	117.	104.	99.	94.	82.	54.	46.	59.	72.	101.	97.	109.	
MAI	0.65	0.72	0.69	0.31	0.92	0.64	0.51	0.60	0.69	0.88	0.74	0.74	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

JEQUITINHONHA				LAT 16 26 LON 41 0 254. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	26.8	26.2	25.2	23.3	22.0	21.2	22.5	24.5	26.1	25.6	26.3	24.7
MEAN R.H.	64.	66.	68.	70.	66.	67.	69.	61.	73.	75.	81.	79.	70.
PCT SUN	66.	64.	62.	60.	64.	63.	61.	69.	57.	55.	48.	50.	60.
MEAN RAD.	611.	583.	532.	462.	415.	378.	387.	465.	486.	525.	515.	534.	491.
PRECIP.	140.	94.	117.	62.	37.	18.	41.	16.	25.	56.	159.	141.	906.
POT ET	196.	169.	168.	138.	122.	105.	108.	134.	143.	166.	156.	170.	1776.
DEF PREC	56.	75.	51.	76.	85.	87.	68.	118.	118.	111.	-3.	28.	869.
DEP PREC	83.	52.	67.	30.	14.	1.	16.	0.	6.	26.	95.	83.	
MAI	0.42	0.31	0.40	0.22	0.12	0.01	0.15	0.00	0.04	0.16	0.61	0.49	

JUIZ DE FORA	LAT 21 46 LON 43 20 669. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	23.0	22.2	20.4	17.8	16.2	15.2	16.7	18.5	19.8	21.1	21.9	19.6
MEAN R.H.	78.	82.	80.	78.	73.	74.	72.	68.	84.	87.	89.	91.	80.
PCT SUN	52.	46.	49.	51.	57.	57.	58.	62.	43.	39.	36.	33.	49.
MEAN RAD.	554.	496.	459.	402.	356.	320.	338.	409.	408.	442.	458.	449.	424.
PRECIP.	293.	215.	207.	77.	26.	23.	14.	22.	55.	124.	211.	286.	1551.
POT ET	161.	131.	132.	106.	90.	75.	80.	101.	103.	119.	123.	128.	1349.
DEF PREC	-132.	-84.	-75.	29.	64.	52.	66.	79.	48.	-5.	-87.	-158.	-202.
DEP PREC	184.	132.	126.	41.	7.	4.	0.	4.	26.	71.	129.	179.	
MAI	1.14	1.01	0.96	0.38	0.07	0.06	0.00	0.04	0.25	0.60	1.05	1.40	

LAVRAS	LAT 21 14 LON 45 0 842. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	21.9	21.3	19.3	16.9	15.6	15.4	17.4	19.1	20.5	20.9	21.2	19.3
MEAN R.H.	78.	83.	81.	75.	69.	67.	65.	62.	80.	86.	86.	91.	77.
PCT SUN	52.	46.	48.	55.	61.	63.	65.	68.	49.	41.	41.	33.	52.
MEAN RAD.	551.	494.	457.	417.	372.	342.	363.	432.	434.	451.	485.	442.	437.
PRECIP.	260.	194.	176.	58.	36.	20.	9.	18.	58.	130.	164.	288.	1411.
POT ET	157.	127.	128.	107.	92.	79.	86.	108.	111.	124.	130.	124.	1372.
DEF PREC	-103.	-67.	-48.	49.	56.	59.	77.	90.	53.	-6.	-34.	-164.	-39.
DEP PREC	162.	118.	106.	28.	13.	3.	0.	1.	28.	76.	98.	181.	
MAI	1.03	0.93	0.83	0.26	0.14	0.03	0.00	0.01	0.25	0.61	0.76	1.46	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

LEOPOLDINA		LAT 21 32		LON 42 38		268. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.7	24.8	22.9	20.8	19.6	19.1	20.2	21.6	22.7	23.6	24.3	22.6
MEAN R.H.	73.	77.	75.	77.	74.	71.	70.	70.	84.	88.	87.	89.	78.
PCT SUN	57.	53.	55.	53.	56.	59.	60.	61.	44.	38.	39.	36.	51.
MEAN RAD.	582.	530.	490.	407.	353.	330.	345.	406.	412.	437.	475.	465.	436.
PRECIP.	201.	174.	135.	68.	34.	25.	14.	17.	43.	124.	159.	272.	1266.
POT ET	181.	150.	150.	115.	97.	85.	91.	111.	113.	127.	137.	141.	1498.
DEF PREC	-20.	-24.	15.	47.	63.	60.	77.	94.	70.	3.	-22.	-131.	232.
DEP PREC	123.	105.	79.	34.	12.	6.	0.	1.	18.	72.	95.	170.	
MAI	0.68	0.70	0.53	0.30	0.12	0.07	0.00	0.01	0.16	0.56	0.69	1.21	

LUZIANIA		LAT 16 15		LON 47 56		958. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	22.0	21.7	21.1	19.4	18.3	18.1	20.0	22.1	22.3	21.9	21.6	20.9
MEAN R.H.	72.	78.	79.	61.	52.	41.	38.	43.	63.	75.	79.	87.	64.
PCT SUN	59.	52.	51.	69.	76.	84.	87.	83.	67.	55.	50.	40.	64.
MEAN RAD.	574.	523.	481.	495.	452.	440.	461.	512.	526.	529.	527.	475.	500.
PRECIP.	228.	201.	229.	96.	16.	7.	4.	5.	27.	130.	215.	317.	1475.
POT ET	164.	135.	136.	134.	120.	110.	118.	139.	146.	152.	145.	134.	1632.
DEF PREC	-65.	-66.	-93.	38.	104.	103.	114.	133.	119.	22.	-70.	-183.	157.
DEP PREC	141.	123.	142.	53.	0.	0.	0.	0.	7.	76.	132.	200.	
MAI	0.86	0.91	1.04	0.40	0.00	0.00	0.00	0.00	0.05	0.50	0.91	1.49	

MACAE		LAT 22 21		LON 41 48		3. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.2	24.8	23.3	21.7	20.4	20.0	20.3	20.9	22.1	22.9	24.1	22.6
MEAN R.H.	70.	76.	78.	80.	79.	74.	74.	76.	87.	89.	88.	88.	80.
PCT SUN	60.	54.	52.	49.	50.	56.	56.	54.	40.	36.	38.	39.	49.
MEAN RAD.	596.	535.	472.	390.	328.	315.	328.	378.	389.	425.	466.	485.	426.
PRECIP.	132.	106.	101.	180.	77.	41.	51.	50.	71.	104.	145.	189.	1167.
POT ET	184.	149.	144.	111.	93.	83.	89.	103.	104.	122.	132.	146.	1461.
DEF PREC	52.	43.	43.	11.	16.	42.	38.	53.	33.	18.	-13.	-43.	294.
DEP PREC	77.	60.	56.	56.	40.	16.	23.	23.	37.	58.	86.	115.	
MAI	0.42	0.40	0.39	0.50	0.43	0.20	0.20	0.22	0.35	0.48	0.65	0.79	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

MADALENA	LAT 21 59 LON 42 1 640. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.4	23.1	20.2	19.1	16.8	15.8	16.9	18.1	18.9	20.0	21.4	19.5
MEAN R.H.	76.	82.	77.	80.	77.	78.	77.	72.	86.	88.	89.	90.	81.
PCT SUN	54.	47.	53.	49.	53.	52.	53.	58.	41.	38.	37.	35.	47.
MEAN RAD.	565.	502.	480.	390.	341.	305.	322.	395.	396.	434.	462.	462.	421.
PRECIP.	226.	159.	155.	102.	68.	57.	31.	37.	72.	130.	185.	242.	1463.
POT ET	162.	131.	141.	103.	87.	73.	77.	98.	98.	114.	121.	130.	1335.
DEF PREC	-63.	-28.	-14.	1.	19.	16.	46.	61.	26.	-16.	-64.	-112.	-129.
DEP PREC	139.	95.	92.	57.	34.	27.	10.	14.	37.	76.	112.	150.	
MAI	0.06	0.73	0.65	0.55	0.39	0.37	0.13	0.14	0.38	0.66	0.93	1.16	

MAR DE HESPANHA	LAT 21 52 LON 43 1 456. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.7	23.1	21.3	18.7	17.0	16.2	17.4	19.4	20.9	22.1	23.0	20.5
MEAN R.H.	76.	81.	79.	77.	73.	74.	72.	69.	84.	88.	88.	90.	79.
PCT SUN	54.	48.	50.	53.	57.	56.	58.	62.	44.	38.	37.	34.	49.
MEAN RAD.	564.	507.	465.	406.	354.	319.	337.	408.	409.	438.	465.	457.	427.
PRECIP.	278.	193.	176.	66.	31.	18.	17.	23.	63.	135.	190.	284.	1472.
POT ET	168.	137.	136.	110.	92.	77.	82.	102.	105.	121.	129.	134.	1394.
DEF PREC	-110.	-56.	-39.	44.	61.	59.	65.	79.	42.	-13.	-61.	-150.	-79.
DEP PREC	174.	117.	106.	33.	10.	1.	1.	5.	31.	79.	116.	178.	
MAI	1.03	0.86	0.78	0.30	0.11	0.02	0.01	0.05	0.30	0.65	0.90	1.33	

MENDES	LAT 22 32 LON 43 43 434. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	23.5	22.7	21.2	19.0	17.8	17.0	18.1	19.2	19.8	21.2	22.3	20.4
MEAN R.H.	76.	81.	81.	78.	76.	71.	70.	71.	86.	89.	88.	89.	80.
PCT SUN	53.	47.	48.	51.	54.	59.	61.	59.	42.	37.	39.	36.	49.
MEAN RAD.	564.	503.	453.	397.	342.	323.	340.	396.	399.	429.	474.	469.	424.
PRECIP.	248.	179.	173.	82.	51.	29.	23.	33.	56.	121.	150.	200.	1345.
POT ET	166.	135.	132.	107.	90.	79.	84.	102.	102.	115.	128.	135.	1376.
DEF PREC	-82.	-44.	-42.	25.	39.	50.	61.	69.	46.	-5.	-21.	-65.	31.
DEP PREC	154.	108.	105.	44.	23.	8.	5.	11.	26.	69.	89.	122.	
MAI	0.93	0.80	0.79	0.41	0.26	0.11	0.05	0.11	0.26	0.60	0.69	0.91	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

MONTE CLARDS		LAT 16 43 LON 43 13 634. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.8	23.6	22.7	21.1	19.8	19.0	20.6	23.0	24.1	23.7	23.7	22.4
MEAN R.H.	68.	74.	74.	69.	61.	62.	62.	56.	71.	75.	80.	83.	69.
PCT SUN	63.	56.	56.	62.	69.	68.	68.	73.	59.	55.	49.	46.	60.
MEAN RAD.	595.	547.	505.	466.	427.	391.	405.	478.	493.	529.	522.	512.	489.
PRECIP.	169.	146.	123.	45.	7.	4.	3.	6.	22.	74.	169.	197.	966.
POT ET	178.	148.	150.	131.	119.	102.	107.	132.	140.	159.	151.	153.	1668.
DEF PREC	8.	1.	27.	86.	112.	97.	104.	125.	118.	86.	-19.	-44.	702.
DEP PREC	102.	86.	71.	19.	0.	0.	0.	0.	4.	38.	102.	120.	
MAI	0.57	0.59	0.47	0.14	0.00	0.00	0.00	0.00	0.03	0.24	0.68	0.79	

MONTE SANTO		LAT 10 27 LON 39 18 495. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.5	25.1	24.1	22.4	21.1	20.2	20.5	22.3	24.0	24.9	25.3	23.4
MEAN R.H.	53.	58.	68.	68.	59.	68.	70.	54.	63.	58.	65.	67.	63.
PCT SUN	76.	71.	62.	62.	71.	63.	60.	74.	67.	71.	65.	63.	67.
MEAN RAD.	630.	606.	541.	495.	475.	419.	423.	518.	546.	597.	582.	574.	534.
PRECIP.	55.	43.	70.	72.	65.	48.	54.	35.	16.	16.	70.	71.	615.
POT ET	196.	171.	167.	144.	137.	113.	115.	142.	152.	179.	173.	178.	1867.
DEF PREC	141.	128.	97.	72.	72.	65.	61.	107.	136.	163.	103.	107.	1252.
DEP PREC	26.	18.	36.	37.	32.	21.	25.	13.	0.	0.	36.	37.	
MAI	0.13	0.10	0.21	0.26	0.24	0.19	0.22	0.09	0.00	0.00	0.21	0.20	

MONTE SERRAT		LAT 22 27 LON 44 37 700. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.0	21.0	20.5	19.1	16.6	15.1	14.4	15.8	17.4	18.2	19.3	20.5	19.2
MEAN R.H.	79.	86.	86.	79.	74.	71.	69.	69.	85.	89.	89.	92.	81.
PCT SUN	50.	40.	41.	51.	56.	59.	61.	61.	43.	37.	37.	32.	47.
MEAN RAD.	547.	465.	420.	395.	349.	322.	342.	403.	403.	429.	464.	440.	415.
PRECIP.	289.	250.	228.	111.	48.	31.	34.	37.	72.	135.	185.	279.	1699.
POT ET	152.	117.	115.	101.	86.	73.	79.	96.	98.	110.	119.	121.	1267.
DEF PREC	-137.	-133.	-112.	-10.	37.	42.	45.	59.	26.	-25.	-66.	-158.	-432.
DEP PREC	182.	155.	141.	63.	21.	10.	12.	14.	37.	79.	112.	175.	
MAI	1.19	1.33	1.22	0.2	0.25	0.14	0.15	0.14	0.38	0.72	0.94	1.45	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

MORRO DO CHAPEU		LAT 11 33		LON 41 14		997. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.6	20.6	20.6	19.9	18.5	17.0	16.2	16.6	18.2	20.4	20.2	20.3	19.1
MEAN R.H.	60.	71.	80.	71.	55.	68.	68.	51.	64.	61.	67.	74.	66.
PCT SUN	69.	59.	49.	60.	74.	62.	62.	77.	66.	68.	63.	56.	64.
MEAN RAD.	608.	554.	481.	480.	477.	412.	423.	522.	537.	587.	578.	549.	517.
PRECIP.	88.	99.	100.	63.	35.	30.	31.	26.	24.	41.	89.	120.	745.
POT ET	167.	138.	132.	125.	124.	99.	103.	128.	134.	161.	152.	150.	1613.
DEF PREC	79.	39.	32.	62.	89.	69.	72.	103.	110.	119.	64.	30.	867.
DEP PREC	48.	55.	56.	31.	13.	9.	10.	6.	5.	17.	48.	69.	
MAI	0.29	0.40	0.42	0.25	0.10	0.09	0.10	0.05	0.04	0.10	0.32	0.46	

MURIAE		LAT 21 8		LON 42 22		240. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	25.6	24.8	22.8	20.8	19.1	18.7	19.9	21.6	23.0	23.7	24.3	22.5
MEAN R.H.	73.	77.	75.	77.	74.	72.	72.	68.	83.	88.	89.	90.	78.
PCT SUN	57.	52.	55.	52.	56.	58.	58.	62.	45.	38.	37.	36.	51.
MEAN RAD.	578.	529.	489.	408.	358.	329.	343.	413.	418.	439.	460.	463.	436.
PRECIP.	230.	184.	135.	79.	37.	31.	20.	13.	55.	122.	192.	285.	1383.
POT ET	180.	149.	150.	115.	99.	84.	90.	111.	114.	128.	133.	140.	1494.
DEF PREC	-50.	-34.	15.	36.	62.	53.	70.	98.	59.	6.	-59.	-145.	111.
DEP PREC	142.	111.	79.	42.	14.	10.	3.	0.	26.	70.	117.	179.	
MAI	0.79	0.75	0.53	0.36	0.14	0.12	0.03	0.00	0.23	0.55	0.88	1.28	

HUZAMBINHO		LAT 21 22		LON 46 31		1053. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.8	21.0	20.5	19.2	16.7	15.3	14.9	16.7	18.4	19.6	20.2	20.5	19.7
MEAN R.H.	79.	85.	81.	73.	68.	61.	58.	60.	80.	86.	87.	91.	76.
PCT SUN	50.	43.	48.	57.	62.	68.	71.	69.	50.	41.	40.	33.	53.
MEAN RAD.	544.	479.	455.	425.	374.	355.	378.	436.	438.	455.	481.	446.	439.
PRECIP.	251.	221.	181.	77.	48.	28.	15.	20.	77.	133.	193.	250.	1494.
POT ET	150.	120.	125.	109.	92.	81.	88.	107.	110.	122.	127.	122.	1354.
DEF PREC	-101.	-100.	-56.	32.	44.	53.	73.	87.	33.	-11.	-66.	-128.	-140.
DEP PREC	156.	136.	109.	40.	21.	8.	0.	3.	41.	78.	118.	155.	
MAI	1.04	1.13	0.87	0.37	0.23	0.10	0.00	0.02	0.37	0.64	0.93	1.27	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

NITEROI		LAT 22 53 LON 43 5 14. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.5	25.7	23.6	21.5	20.2	19.6	20.5	21.4	22.6	23.6	25.0	23.1
MEAN R.H.	71.	76.	75.	75.	78.	70.	69.	73.	85.	87.	86.	86.	78.
PCT SUN	59.	54.	55.	55.	51.	60.	61.	57.	42.	39.	40.	40.	51.
MEAN RAD.	594.	536.	485.	408.	330.	322.	339.	386.	399.	441.	484.	497.	435.
PRECIP.	147.	137.	149.	124.	90.	56.	52.	50.	59.	88.	116.	139.	1207.
POT ET	189.	154.	152.	118.	93.	85.	91.	106.	108.	128.	139.	153.	1516.
DEF PREC	42.	17.	3.	-6.	3.	29.	39.	56.	49.	40.	23.	14.	309.
DEP PREC	87.	80.	88.	72.	49.	26.	24.	23.	28.	48.	66.	82.	
MAI	0.46	0.52	0.58	0.61	0.53	0.31	0.26	0.21	0.26	0.37	0.48	0.53	

NOVA FRIBURGO		LAT 22 17 LON 42 32 849. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.2	20.4	18.3	15.9	14.3	13.8	14.9	16.7	18.2	19.2	20.2	17.9
MEAN R.H.	79.	85.	85.	84.	76.	80.	78.	72.	87.	88.	89.	93.	83.
PCT SUN	50.	43.	43.	44.	54.	50.	51.	59.	39.	38.	36.	29.	45.
MEAN RAD.	546.	477.	432.	371.	341.	296.	315.	395.	387.	434.	455.	421.	406.
PRECIP.	257.	212.	209.	90.	41.	28.	23.	23.	50.	93.	180.	329.	1535.
POT ET	153.	120.	118.	93.	82.	65.	71.	92.	92.	112.	117.	115.	1229.
DEF PREC	-104.	-92.	-91.	3.	41.	37.	48.	69.	42.	19.	-63.	-214.	-306.
DEP PREC	160.	130.	128.	49.	16.	8.	5.	5.	23.	51.	109.	208.	
MAI	1.05	1.08	1.09	0.53	0.20	0.12	0.07	0.05	0.24	0.46	0.93	1.81	

PLIVEIRA		LAT 20 41 LON 44 49 962. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	21.6	21.0	19.7	18.0	16.1	15.8	17.5	19.2	20.3	20.4	20.7	19.3
MEAN R.H.	78.	83.	82.	76.	69.	67.	64.	63.	81.	85.	87.	92.	77.
PCT SUN	52.	45.	46.	54.	62.	64.	66.	67.	48.	42.	39.	32.	51.
MEAN RAD.	551.	490.	450.	418.	377.	348.	370.	432.	435.	458.	476.	438.	437.
PRECIP.	270.	217.	289.	72.	23.	19.	13.	15.	60.	135.	212.	328.	1653.
POT ET	156.	125.	125.	105.	96.	81.	89.	109.	111.	125.	126.	121.	1373.
DEF PREC	-114.	-92.	-164.	37.	73.	62.	76.	94.	51.	-10.	-86.	-207.	-280.
DEP PREC	169.	133.	181.	37.	5.	2.	0.	0.	29.	79.	130.	207.	
MAI	1.08	1.07	1.45	0.24	0.05	0.02	0.00	0.00	0.26	0.63	1.03	1.71	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ONDINA		LAT 13 0 LON 38 31 45. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	26.6	26.6	26.0	24.9	24.1	23.3	23.3	23.9	24.8	25.2	25.7	25.1
MEAN R.H.	54.	61.	71.	72.	78.	69.	73.	68.	70.	73.	76.	72.	70.
PCT SUN	74.	68.	60.	58.	52.	61.	57.	62.	60.	57.	53.	58.	60.
MEAN RAD.	634.	598.	528.	469.	393.	396.	396.	460.	509.	537.	536.	564.	502.
PRECIP.	77.	85.	153.	291.	293.	187.	209.	97.	83.	91.	135.	104.	1805.
POT ET	201.	173.	169.	143.	121.	116.	117.	136.	148.	164.	160.	177.	1823.
DEF PREC	124.	87.	16.	-148.	-172.	-71.	-92.	39.	65.	73.	26.	73.	18.
DEP PREC	40.	46.	91.	183.	184.	113.	128.	54.	44.	50.	79.	58.	
MAI	0.20	0.27	0.54	1.28	1.52	0.98	1.10	0.40	0.30	0.30	0.49	0.33	

OURD FINO		LAT 22 16 LON 46 22 936. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.9	21.2	20.9	19.4	17.1	15.9	15.4	17.3	18.7	19.7	20.4	20.9	19.0
MEAN R.H.	80.	85.	81.	74.	70.	62.	60.	63.	81.	87.	87.	92.	77.
PCT SUN	49.	42.	48.	56.	60.	68.	70.	67.	48.	40.	39.	32.	51.
MEAN RAD.	540.	475.	453.	416.	362.	346.	368.	423.	426.	446.	474.	439.	431.
PRECIP.	276.	223.	172.	84.	44.	42.	22.	27.	88.	118.	193.	255.	1533.
POT ET	150.	120.	126.	107.	90.	80.	87.	106.	108.	120.	126.	122.	1340.
DEF PREC	-126.	-103.	-46.	23.	46.	38.	65.	78.	20.	2.	-57.	-133.	-193.
DEP PREC	172.	137.	104.	45.	18.	17.	4.	7.	48.	68.	111.	158.	
MAI	1.15	1.14	0.82	0.42	0.20	0.21	0.05	0.07	0.44	0.57	0.88	1.30	

OURD PRETO		LAT 20 23 LON 43 29 1111. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.0	20.0	19.5	17.9	15.8	14.4	13.6	15.0	16.7	17.8	18.8	19.3	17.4
MEAN R.H.	80.	86.	84.	80.	70.	74.	73.	66.	83.	87.	89.	92.	80.
PCT SUN	49.	42.	44.	49.	60.	56.	58.	64.	46.	39.	36.	30.	48.
MEAN RAD.	537.	472.	438.	399.	375.	329.	347.	424.	425.	445.	456.	426.	423.
PRECIP.	324.	240.	205.	99.	29.	18.	17.	32.	66.	158.	242.	353.	1783.
POT ET	145.	115.	117.	98.	90.	73.	78.	99.	101.	113.	115.	113.	1258.
DEF PREC	-178.	-124.	-89.	-0.	60.	55.	61.	67.	35.	-46.	-126.	-240.	-525.
DEP PREC	204.	148.	126.	55.	9.	1.	0.	11.	33.	95.	150.	224.	
MAI	1.41	1.29	1.08	0.56	0.10	0.02	0.00	0.11	0.33	0.84	1.30	1.98	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PAQUETA		LAT 22 45 LON 43 7 31. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.4	25.8	23.7	21.6	20.4	20.4	20.5	21.0	22.2	23.3	24.9	23.0
MEAN R.H.	72.	77.	75.	75.	77.	69.	68.	72.	85.	88.	87.	88.	78.
PCT SUN	58.	53.	55.	55.	53.	61.	62.	58.	42.	38.	40.	38.	51.
MEAN RAD.	589.	533.	486.	410.	334.	325.	343.	391.	400.	433.	480.	483.	434.
PRECIP.	173.	149.	170.	108.	74.	37.	42.	41.	81.	108.	128.	197.	1311.
POT ET	186.	153.	153.	118.	94.	86.	94.	107.	108.	124.	137.	148.	1509.
DEF PREC	13.	4.	-18.	10.	20.	49.	52.	66.	26.	16.	9.	-49.	198.
DEP PREC	105.	88.	103.	61.	39.	14.	17.	17.	43.	61.	74.	120.	
MAI	0.56	0.58	0.67	0.52	0.41	0.16	0.19	0.16	0.40	0.49	0.54	0.81	

PARACATU		LAT 17 13 LON 46 52 698. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.4	23.3	22.4	20.1	18.7	18.8	20.8	23.2	24.2	23.4	22.9	22.1
MEAN R.H.	78.	85.	78.	63.	58.	47.	45.	48.	67.	82.	92.	95.	70.
PCT SUN	52.	43.	51.	67.	71.	80.	82.	79.	63.	47.	32.	26.	58.
MEAN RAD.	542.	476.	482.	483.	432.	420.	440.	493.	509.	489.	423.	384.	464.
PRECIP.	502.	440.	329.	171.	32.	26.	3.	4.	52.	196.	438.	658.	2851.
POT ET	161.	127.	142.	135.	117.	106.	115.	136.	145.	148.	121.	112.	1565.
DEF PREC	-341.	-313.	-187.	-36.	85.	80.	112.	132.	93.	-48.	-317.	-546.	-1285.
DEP PREC	323.	282.	208.	103.	11.	6.	0.	0.	24.	120.	280.	427.	
MAI	2.00	2.22	1.46	0.76	0.09	0.06	0.00	0.00	0.16	0.81	2.32	3.81	

PARAPEUNA		LAT 22 5 LON 43 30 600. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	23.9	23.1	21.1	19.1	18.0	17.4	18.5	19.6	20.6	21.3	22.4	20.7
MEAN R.H.	76.	79.	76.	79.	74.	71.	70.	69.	85.	88.	87.	89.	78.
PCT SUN	54.	50.	53.	51.	57.	60.	60.	62.	43.	38.	40.	36.	50.
MEAN RAD.	566.	519.	481.	398.	352.	326.	342.	406.	407.	438.	478.	467.	432.
PRECIP.	181.	136.	113.	52.	28.	15.	18.	18.	32.	98.	136.	188.	1015.
POT ET	169.	140.	141.	135.	93.	81.	86.	105.	105.	121.	130.	135.	1413.
DEF PREC	-12.	5.	28.	55.	65.	66.	68.	87.	73.	22.	-6.	-53.	398.
DEP PREC	110.	80.	64.	24.	8.	0.	1.	1.	11.	54.	80.	114.	
MAI	0.65	0.57	0.46	0.22	0.08	0.00	0.01	0.01	0.10	0.45	0.61	0.85	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PARATINGA	LAT 12 41 LON 43 11 422. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.7	25.8	25.9	25.1	24.4	24.3	25.6	27.5	28.3	26.4	25.6	25.9
MEAN R.H.	57.	65.	67.	58.	52.	48.	48.	45.	58.	62.	72.	74.	59.
PCT SUN	72.	65.	63.	72.	76.	79.	79.	82.	72.	68.	58.	56.	70.
MEAN RAD.	623.	584.	542.	521.	477.	455.	468.	530.	557.	585.	560.	552.	538.
PRECIP.	107.	129.	115.	41.	12.	0.	1.	0.	8.	42.	149.	153.	757.
POT ET	195.	165.	170.	159.	147.	134.	141.	166.	176.	194.	172.	172.	1992.
DEF PREC	88.	36.	55.	118.	135.	134.	140.	166.	168.	152.	23.	20.	1236.
DEP PREC	60.	75.	66.	16.	0.	0.	0.	0.	0.	17.	88.	91.	
MAI	0.31	0.45	0.39	0.10	0.00	0.00	0.00	0.00	0.00	0.09	0.51	0.53	

PRACA 15 NOVEMBRO	LAT 22 54 LON 43 10 30. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.1	25.5	23.9	22.3	21.3	20.7	21.1	21.5	22.3	23.1	24.5	23.2
MEAN R.H.	71.	77.	75.	75.	77.	68.	67.	72.	85.	87.	86.	86.	77.
PCT SUN	59.	53.	55.	55.	52.	62.	63.	58.	42.	40.	42.	41.	52.
MEAN RAD.	594.	532.	484.	410.	333.	327.	344.	388.	399.	446.	492.	500.	437.
PRECIP.	137.	137.	133.	116.	73.	43.	43.	43.	53.	74.	97.	127.	1076.
POT ET	187.	152.	151.	119.	96.	89.	95.	108.	109.	128.	140.	152.	1525.
DEF PREC	50.	15.	18.	3.	23.	46.	52.	65.	56.	54.	43.	25.	449.
DEP PREC	80.	80.	78.	66.	38.	18.	18.	18.	25.	38.	54.	74.	
MAI	0.43	0.53	0.52	0.56	0.39	0.20	0.19	0.16	0.23	0.30	0.38	0.48	

PASSO QUATRO	LAT 22 23 LON 44 50 920. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.2	20.5	18.3	15.7	14.0	13.4	15.0	17.4	19.0	19.8	20.3	18.0
MEAN R.H.	80.	86.	83.	80.	73.	72.	69.	67.	85.	88.	88.	92.	80.
PCT SUN	49.	42.	46.	49.	57.	58.	61.	63.	43.	39.	38.	31.	48.
MEAN RAD.	542.	473.	444.	391.	351.	320.	342.	408.	404.	438.	469.	436.	418.
PRECIP.	267.	226.	167.	58.	42.	27.	14.	22.	63.	110.	175.	268.	1439.
POT ET	152.	119.	122.	98.	84.	70.	76.	95.	98.	115.	122.	119.	1270.
DEF PREC	-115.	-107.	-45.	40.	42.	43.	62.	73.	35.	5.	-53.	-149.	-169.
DEP PREC	167.	139.	100.	28.	17.	7.	0.	4.	31.	62.	106.	167.	
MAI	1.10	1.17	0.82	0.28	0.20	0.10	0.00	0.04	0.32	0.54	0.86	1.41	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PEDRA AZUL		LAT 16 0 LON 41 17 583. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.6	24.1	22.9	20.8	19.4	18.7	19.8	21.6	23.3	23.2	23.6	22.2
MEAN R.H.	66.	70.	72.	73.	64.	70.	71.	60.	74.	77.	84.	84.	72.
PCT SUN	64.	61.	58.	57.	66.	61.	59.	70.	56.	53.	44.	45.	58.
MEAN RAD.	601.	566.	515.	451.	422.	374.	384.	472.	485.	516.	495.	503.	482.
PRECIP.	126.	101.	107.	91.	28.	20.	23.	11.	22.	84.	216.	242.	1071.
POT ET	182.	156.	155.	127.	117.	96.	100.	127.	133.	152.	141.	150.	1635.
DEF PREC	56.	55.	48.	36.	89.	76.	77.	116.	110.	68.	-75.	-93.	564.
DEP PREC	73.	56.	60.	50.	8.	3.	5.	0.	4.	45.	133.	150.	
MAI	0.40	0.36	0.39	0.39	0.07	0.03	0.05	0.00	0.03	0.30	0.94	1.00	

PENHA		LAT 22 53 LON 43 13 65. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.4	24.7	23.4	21.5	20.8	19.8	20.6	21.0	21.7	23.0	24.3	22.6
MEAN R.H.	71.	79.	79.	76.	77.	69.	68.	73.	85.	88.	86.	87.	78.
PCT SUN	59.	51.	51.	54.	53.	62.	62.	57.	42.	39.	42.	40.	51.
MEAN RAD.	592.	521.	466.	407.	336.	326.	342.	387.	398.	438.	493.	496.	433.
PRECIP.	145.	164.	182.	100.	58.	36.	31.	48.	53.	94.	97.	139.	1145.
POT ET	185.	146.	142.	116.	94.	87.	92.	106.	107.	124.	140.	150.	1491.
DEF PREC	41.	-17.	-39.	17.	36.	51.	61.	58.	54.	30.	43.	10.	346.
DEP PREC	85.	98.	110.	56.	28.	13.	10.	21.	24.	52.	53.	82.	
MAI	0.46	0.67	0.77	0.48	0.30	0.15	0.11	0.20	0.23	0.42	0.38	0.55	

PETROPOLIS		LAT 22 31 LON 43 11 895. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.9	21.0	20.1	18.1	16.4	15.6	14.7	15.7	16.8	17.6	18.3	19.4	17.9
MEAN R.H.	80.	86.	86.	82.	78.	76.	75.	75.	86.	90.	90.	93.	83.
PCT SUN	49.	41.	42.	47.	51.	54.	55.	55.	40.	34.	35.	29.	44.
MEAN RAD.	538.	467.	424.	379.	332.	307.	325.	382.	392.	413.	453.	423.	403.
PRECIP.	299.	238.	256.	177.	107.	76.	66.	80.	102.	160.	193.	317.	2071.
POT ET	149.	117.	115.	94.	81.	71.	75.	91.	94.	104.	113.	113.	1218.
DEF PREC	-150.	-121.	-141.	-83.	-26.	-5.	9.	11.	-8.	-56.	-80.	-204.	-853.
DEP PREC	188.	147.	159.	107.	60.	40.	33.	42.	57.	96.	118.	200.	
MAI	1.26	1.26	1.39	0.83	0.75	0.56	0.44	0.46	0.61	0.92	1.04	1.78	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PINHEIROS													
LAT 22 31 LON 44 0 382. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.8	23.0	21.5	19.1	22.9	16.8	18.0	19.4	20.3	21.8	22.7	21.1
MEAN R.H.	76.	82.	81.	76.	73.	61.	69.	68.	84.	88.	87.	89.	78.
PCT SUN	54.	47.	48.	54.	57.	69.	62.	62.	44.	39.	40.	36.	51.
MEAN RAD.	568.	503.	457.	408.	349.	347.	343.	405.	408.	439.	479.	469.	431.
PRECIP.	229.	194.	160.	64.	39.	24.	20.	28.	54.	109.	140.	205.	1264.
POT ET	169.	136.	134.	111.	92.	98.	85.	104.	105.	120.	132.	136.	1421.
DEF PREC	-59.	-58.	-26.	48.	53.	74.	65.	76.	51.	11.	-8.	-69.	156.
DEP PREC	141.	118.	95.	31.	15.	5.	2.	8.	25.	62.	82.	126.	
MAI	0.83	0.87	0.71	0.28	0.17	0.05	0.03	0.07	0.24	0.52	0.62	0.92	

PIRACICABA													
LAT 22 43 LON 47 38 556. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.4	23.1	21.5	18.8	16.8	16.7	18.3	19.7	21.5	22.3	23.1	20.7
MEAN R.H.	77.	85.	77.	69.	70.	55.	51.	61.	80.	84.	86.	91.	74.
PCT SUN	53.	42.	53.	61.	60.	73.	77.	69.	49.	44.	42.	34.	55.
MEAN RAD.	562.	474.	477.	434.	359.	357.	383.	425.	429.	469.	491.	453.	443.
PRECIP.	226.	298.	103.	48.	60.	40.	22.	22.	75.	67.	157.	248.	1365.
POT ET	167.	126.	140.	118.	94.	85.	94.	110.	111.	132.	137.	133.	1448.
DEF PREC	-58.	-171.	37.	70.	34.	45.	72.	88.	37.	65.	-20.	-115.	83.
DEP PREC	139.	187.	57.	21.	29.	16.	4.	4.	39.	34.	94.	154.	
MAI	0.83	1.48	0.41	0.18	0.31	0.19	0.04	0.03	0.35	0.26	0.69	1.16	

PIRAPORA													
LAT 17 21 LON 44 57 412. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.9	24.7	23.5	21.3	19.9	19.7	21.5	24.1	25.3	24.9	24.4	23.2
MEAN R.H.	69.	73.	73.	66.	61.	55.	53.	54.	71.	76.	82.	85.	68.
PCT SUN	62.	58.	57.	64.	69.	74.	75.	75.	60.	54.	46.	42.	61.
MEAN RAD.	592.	554.	510.	471.	423.	403.	421.	479.	495.	520.	509.	493.	489.
PRECIP.	220.	143.	127.	63.	11.	3.	3.	1.	19.	75.	202.	278.	1145.
POT ET	181.	153.	156.	135.	118.	105.	113.	135.	144.	161.	151.	149.	1703.
DEF PREC	-39.	10.	29.	72.	107.	102.	110.	134.	125.	86.	-51.	-129.	558.
DEP PREC	135.	84.	74.	31.	0.	0.	0.	0.	2.	39.	123.	174.	
MAI	0.75	0.55	0.47	0.23	0.00	0.00	0.00	0.00	0.01	0.24	0.82	1.16	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PITANGUI		LAT 19 41 LON 44 46 704. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	23.3	22.8	21.0	18.9	17.7	17.7	19.4	21.4	22.9	22.9	22.7	21.2
MEAN R.H.	74.	79.	77.	73.	67.	63.	60.	60.	78.	82.	84.	89.	74.
PCT SUN	56.	50.	52.	57.	63.	67.	70.	70.	52.	47.	43.	36.	55.
MEAN RAD.	568.	517.	481.	435.	389.	366.	387.	447.	455.	486.	497.	460.	457.
PRECIP.	251.	193.	182.	75.	33.	10.	6.	8.	44.	97.	181.	310.	1390.
POT ET	167.	138.	140.	117.	102.	90.	98.	119.	124.	142.	141.	134.	1511.
DEF PREC	-83.	-56.	-42.	42.	69.	80.	92.	111.	80.	45.	-41.	-176.	121.
DEP PREC	156.	118.	110.	39.	11.	0.	0.	0.	18.	54.	110.	195.	
MAI	0.93	0.85	0.79	0.33	0.11	0.00	0.00	0.00	0.15	0.38	0.78	1.46	

POGOS DE CALDAS		LAT 21 47 LON 46 34 1189. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.3	20.4	19.8	17.8	15.1	13.6	13.6	15.6	17.5	19.0	19.4	19.8	17.7
MEAN R.H.	81.	87.	83.	75.	69.	65.	60.	62.	81.	86.	87.	92.	77.
PCT SUN	47.	40.	46.	55.	61.	65.	70.	68.	48.	41.	40.	31.	51.
MEAN RAD.	529.	464.	445.	415.	367.	344.	371.	429.	430.	451.	479.	433.	430.
PRECIP.	317.	248.	218.	83.	55.	30.	26.	25.	69.	142.	201.	284.	1698.
POT ET	144.	115.	120.	102.	86.	74.	83.	102.	105.	119.	123.	116.	1289.
DEF PREC	-173.	-133.	-98.	19.	31.	44.	57.	77.	36.	-23.	-78.	-168.	-408.
DEP PREC	200.	154.	134.	44.	26.	9.	6.	6.	35.	84.	123.	178.	
MAI	1.38	1.34	1.12	0.44	0.30	0.12	0.08	0.06	0.34	0.70	1.00	1.53	

PORCIUNCULA		LAT 20 57 LON 42 3 190. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.0	24.5	23.0	20.5	18.9	17.9	19.3	21.1	22.3	22.9	24.1	22.0
MEAN R.H.	71.	76.	77.	76.	73.	74.	73.	69.	83.	86.	87.	87.	78.
PCT SUN	59.	53.	53.	54.	57.	57.	57.	61.	45.	42.	39.	40.	51.
MEAN RAD.	590.	535.	480.	416.	360.	326.	342.	413.	420.	457.	475.	491.	442.
PRECIP.	198.	141.	137.	67.	36.	26.	9.	21.	31.	111.	178.	215.	1170.
POT ET	180.	149.	146.	118.	99.	83.	87.	109.	113.	131.	134.	148.	1497.
DEF PREC	-18.	8.	9.	51.	63.	57.	78.	88.	82.	20.	-44.	-67.	328.
DEP PREC	121.	83.	80.	34.	13.	6.	0.	3.	10.	63.	108.	132.	
MAI	0.67	0.56	0.55	0.29	0.13	0.08	0.00	0.03	0.09	0.48	0.80	0.89	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PROPRIA	LAT 10 12 LON 36 52 34. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	27.9	27.8	26.8	25.2	23.8	23.0	22.9	24.3	25.8	26.8	27.4	25.7
MEAN R.H.	47.	51.	63.	72.	69.	73.	76.	65.	66.	62.	65.	62.	64.
PCT SUN	80.	77.	67.	59.	61.	58.	54.	65.	64.	67.	65.	67.	65.
MEAN RAD.	647.	627.	563.	482.	443.	404.	401.	484.	532.	582.	582.	593.	528.
PRECIP.	30.	24.	47.	90.	158.	123.	112.	80.	40.	25.	36.	22.	787.
POT ET	210.	187.	185.	150.	137.	117.	117.	141.	156.	183.	181.	193.	1957.
DEF PREC	180.	163.	139.	60.	-21.	-6.	5.	61.	116.	158.	145.	171.	1170.
DEP PREC	9.	5.	20.	49.	94.	71.	64.	42.	16.	6.	13.	4.	
MAI	0.04	0.03	0.11	0.33	0.69	0.61	0.54	0.30	0.10	0.03	0.07	0.02	

QUARTEIS	LAT 21 37 LON 42 2 85. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	25.7	25.4	23.7	21.1	19.3	18.5	20.1	21.8	23.0	23.9	25.0	22.8
MEAN R.H.	72.	78.	75.	76.	75.	74.	74.	72.	84.	88.	89.	87.	79.
PCT SUN	59.	51.	55.	54.	55.	56.	56.	59.	44.	39.	36.	40.	50.
MEAN RAD.	588.	524.	490.	411.	350.	320.	335.	399.	411.	439.	458.	492.	435.
PRECIP.	206.	198.	128.	48.	46.	33.	13.	38.	44.	120.	194.	186.	1254.
POT ET	184.	148.	152.	119.	97.	82.	87.	108.	113.	128.	133.	151.	1504.
DEF PREC	-22.	-50.	24.	71.	51.	49.	74.	70.	69.	9.	-61.	-35.	250.
DEP PREC	126.	121.	74.	21.	20.	11.	0.	15.	18.	69.	118.	113.	
MAI	0.68	0.81	0.49	0.18	0.20	0.14	0.00	0.13	0.16	0.54	0.89	0.75	

REZENDE	LAT 22 29 LON 44 28 439. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.0	23.3	21.5	19.3	17.6	17.2	18.5	20.0	21.3	22.0	22.9	21.0
MEAN R.H.	77.	83.	80.	76.	73.	68.	66.	68.	84.	88.	88.	90.	78.
PCT SUN	53.	45.	49.	54.	57.	62.	64.	63.	44.	38.	39.	34.	50.
MEAN RAD.	560.	492.	462.	408.	350.	331.	350.	407.	410.	434.	471.	457.	428.
PRECIP.	272.	250.	212.	87.	37.	24.	16.	23.	52.	120.	166.	247.	1506.
POT ET	168.	134.	136.	111.	93.	81.	88.	106.	107.	122.	130.	133.	1408.
DEF PREC	-104.	-116.	-76.	24.	56.	57.	72.	82.	55.	2.	-36.	-113.	-98.
DEP PREC	170.	155.	130.	47.	14.	5.	0.	5.	24.	69.	100.	153.	
MAI	1.01	1.16	0.96	0.42	0.15	0.06	0.00	0.04	0.22	0.57	0.77	1.15	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

RIO BRANCO		LAT 12 41		LON 43 12		421. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.2	25.3	25.6	24.9	24.0	24.4	25.9	26.9	27.5	26.9	25.9	25.7
MEAN R.H.	57.	68.	70.	58.	52.	49.	48.	45.	58.	62.	71.	73.	59.
PCT SUN	72.	62.	60.	71.	76.	79.	79.	82.	71.	68.	59.	57.	70.
MEAN RAD.	623.	570.	531.	520.	478.	454.	468.	530.	556.	585.	564.	556.	536.
PRECIP.	106.	180.	125.	40.	10.	10.	11.	2.	11.	40.	136.	129.	799.
POT ET	195.	159.	165.	157.	147.	132.	142.	167.	173.	191.	176.	175.	1979.
DEF PREC	89.	-21.	39.	117.	137.	122.	131.	165.	162.	151.	40.	46.	1179.
DEP PREC	60.	109.	72.	16.	0.	0.	0.	0.	0.	16.	79.	75.	
MAI	0.31	0.68	0.44	0.10	0.00	0.00	0.00	0.00	0.00	0.08	0.45	0.43	

RIO DOURO		LAT 22 37		LON 43 28		127. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.9	24.1	22.1	20.3	19.3	18.7	19.4	20.2	21.3	22.1	23.4	21.7
MEAN R.H.	76.	82.	82.	77.	78.	70.	69.	75.	85.	91.	91.	91.	81.
PCT SUN	54.	46.	47.	52.	51.	61.	62.	55.	42.	33.	33.	33.	48.
MEAN RAD.	567.	496.	451.	402.	331.	325.	343.	380.	400.	407.	438.	452.	416.
PRECIP.	306.	263.	261.	161.	104.	74.	68.	83.	115.	175.	233.	308.	2151.
POT ET	173.	137.	136.	111.	90.	83.	89.	101.	105.	114.	121.	133.	1396.
DEF PREC	-133.	-125.	-125.	-50.	-14.	10.	21.	18.	-10.	-61.	-112.	-175.	-755.
DEP PREC	193.	164.	163.	96.	58.	38.	34.	44.	66.	106.	144.	194.	
MAI	1.11	1.19	1.20	0.87	0.65	0.46	0.39	0.44	0.62	0.93	1.19	1.45	

SALVADOR		LAT 12 57		LON 38 30		8. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.3	26.3	25.8	24.8	23.8	23.0	22.9	23.6	24.5	25.2	25.6	24.8
MEAN R.H.	53.	62.	73.	71.	78.	70.	72.	69.	70.	71.	75.	70.	69.
PCT SUN	76.	68.	57.	59.	52.	60.	58.	61.	60.	59.	55.	60.	61.
MEAN RAD.	641.	597.	517.	474.	393.	395.	400.	456.	509.	547.	543.	573.	504.
PRECIP.	74.	78.	163.	290.	298.	193.	206.	111.	85.	95.	141.	99.	1833.
POT ET	202.	171.	164.	144.	120.	114.	117.	133.	147.	166.	163.	179.	1821.
DEF PREC	128.	93.	1.	-146.	-178.	-79.	-89.	22.	62.	71.	22.	80.	-13.
DEP PREC	38.	41.	98.	182.	187.	118.	126.	63.	46.	52.	83.	55.	
MAI	0.19	0.24	0.59	1.27	1.56	1.03	1.08	0.47	0.31	0.31	0.51	0.31	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SAN ANTONIO PADUA				LAT 21 32 LON 42 12				91. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	25.7	25.4	23.7	21.1	19.3	18.5	20.1	21.8	23.0	23.9	25.0	22.8
MEAN R.H.	71.	76.	74.	76.	75.	73.	73.	71.	84.	88.	89.	89.	78.
PCT SUN	59.	54.	56.	54.	55.	57.	57.	60.	44.	38.	37.	37.	51.
MEAN RAD.	591.	535.	492.	412.	352.	323.	338.	403.	413.	434.	461.	474.	436.
PRECIP.	182.	148.	110.	57.	38.	24.	19.	28.	48.	132.	187.	260.	1234.
POT ET	185.	152.	153.	119.	98.	83.	88.	109.	113.	127.	134.	146.	1507.
DEF PREC	3.	3.	42.	62.	60.	59.	69.	81.	65.	-5.	-53.	-115.	272.
DEP PREC	110.	88.	63.	27.	15.	5.	2.	8.	21.	77.	114.	162.	
MAI	0.59	0.58	0.41	0.23	0.15	0.06	0.02	0.07	0.19	0.61	0.85	1.11	

SANTA CRUZ				LAT 22 56 LON 43 55		16. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	25.9	25.5	24.0	22.0	20.9	20.0	20.8	21.0	21.7	23.1	24.6	22.9
MEAN R.H.	71.	78.	77.	75.	78.	65.	65.	73.	86.	88.	86.	87.	77.
PCT SUN	59.	52.	53.	55.	52.	65.	65.	57.	42.	37.	41.	39.	51.
MEAN RAD.	592.	525.	478.	410.	331.	333.	350.	387.	397.	431.	485.	489.	434.
PRECIP.	158.	159.	186.	119.	79.	40.	43.	47.	75.	113.	124.	173.	1317.
POT ET	186.	149.	149.	119.	95.	89.	95.	107.	107.	122.	138.	149.	1504.
DEF PREC	28.	-9.	-37.	1.	15.	49.	51.	59.	32.	9.	14.	-24.	188.
DEP PREC	94.	95.	113.	68.	42.	16.	18.	21.	39.	65.	72.	104.	
MAI	0.51	0.63	0.76	0.57	0.44	0.18	0.19	0.19	0.36	0.53	0.52	0.70	

SANTA RITA RIO PRE				LAT 10 55 LON 44 24 436. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.8	24.7	24.7	23.9	22.5	22.2	23.3	25.6	26.5	25.6	25.0	24.5
MEAN R.H.	56.	66.	72.	54.	46.	43.	42.	38.	51.	57.	66.	71.	55.
PCT SUN	73.	64.	58.	75.	81.	83.	84.	87.	77.	72.	64.	59.	73.
MEAN RAD.	622.	577.	525.	542.	504.	480.	495.	557.	582.	602.	582.	560.	552.
PRECIP.	155.	162.	113.	62.	16.	11.	2.	3.	19.	69.	137.	163.	911.
POT ET	189.	159.	160.	160.	151.	134.	142.	164.	176.	192.	176.	172.	1978.
DEF PREC	34.	-3.	48.	98.	135.	124.	140.	162.	157.	123.	39.	10.	1067.
DEP PREC	93.	97.	64.	31.	0.	0.	0.	0.	2.	35.	80.	97.	
MAI	0.49	0.61	0.40	0.19	0.00	0.00	0.00	0.00	0.01	0.18	0.46	0.56	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SANTOS DUMONT				LAT 21 27		LON 43 33		908. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.3	20.7	18.7	16.8	15.7	15.2	16.2	17.5	18.7	19.3	20.0	18.5
MEAN R.H.	79.	85.	83.	80.	72.	73.	71.	67.	84.	88.	89.	92.	80.
PCT SUN	51.	42.	45.	49.	58.	57.	59.	63.	44.	38.	37.	30.	48.
MEAN RAD.	547.	476.	445.	394.	360.	324.	343.	415.	411.	436.	462.	428.	420.
PRECIP.	273.	244.	223.	92.	32.	24.	18.	16.	59.	142.	203.	335.	1661.
POT ET	153.	120.	123.	99.	89.	75.	81.	101.	100.	114.	119.	116.	1289.
DEF PREC	-120.	-124.	-100.	7.	57.	51.	63.	85.	41.	-28.	-84.	-219.	-372.
DEP PREC	171.	151.	137.	50.	11.	5.	1.	0.	28.	84.	124.	212.	
MAI	1.12	1.26	1.12	0.51	0.12	0.07	0.02	0.00	0.28	0.73	1.05	1.83	

SAO BENTA DOS LAGE				LAT 12 35		LON 38 45		14. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.6	25.6	24.8	23.7	22.7	21.8	22.1	23.0	24.0	24.9	25.4	24.1
MEAN R.H.	53.	64.	75.	72.	77.	70.	73.	69.	70.	73.	73.	70.	70.
PCT SUN	76.	66.	55.	58.	52.	60.	58.	61.	61.	58.	57.	60.	60.
MEAN RAD.	639.	588.	508.	469.	397.	397.	400.	458.	513.	540.	554.	571.	503.
PRECIP.	84.	103.	129.	280.	301.	216.	235.	120.	96.	120.	110.	103.	1896.
POT ET	200.	166.	159.	139.	119.	112.	114.	131.	145.	162.	165.	178.	1788.
DEF PREC	116.	63.	30.	-141.	-183.	-104.	-121.	12.	49.	42.	55.	74.	-108.
DEP PREC	45.	57.	75.	175.	189.	133.	145.	69.	53.	69.	62.	58.	
MAI	0.22	0.35	0.47	1.26	1.60	1.19	1.28	0.52	0.37	0.42	0.38	0.33	

SAO FIDELIS				LAT 21 39		LON 41 44		26. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.7	26.1	24.4	22.0	20.4	19.5	20.8	22.3	23.3	24.4	25.7	23.5
MEAN R.H.	70.	74.	72.	77.	76.	73.	74.	73.	85.	88.	87.	87.	78.
PCT SUN	61.	57.	58.	52.	53.	57.	56.	58.	42.	38.	40.	40.	51.
MEAN RAD.	598.	550.	502.	405.	344.	322.	335.	395.	404.	437.	478.	493.	439.
PRECIP.	148.	115.	98.	65.	41.	28.	18.	25.	46.	112.	141.	189.	1026.
POT ET	190.	159.	159.	119.	98.	85.	89.	109.	112.	129.	140.	155.	1545.
DEF PREC	42.	45.	61.	54.	57.	57.	71.	84.	66.	17.	-1.	-35.	519.
DEP PREC	88.	65.	54.	32.	17.	8.	1.	6.	20.	64.	83.	115.	
MAI	0.46	0.41	0.34	0.27	0.17	0.09	0.01	0.05	0.18	0.49	0.59	0.75	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SAO FRANCISCO				LAT 15 57		LON 44 52		440. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.4	24.1	23.3	21.6	19.8	20.0	21.7	24.2	25.7	24.6	24.2	23.1
MEAN R.H.	66.	71.	75.	64.	58.	53.	50.	51.	67.	71.	79.	83.	66.
PCT SUN	64.	59.	55.	66.	72.	75.	78.	77.	63.	59.	51.	45.	64.
MEAN RAD.	601.	558.	500.	487.	441.	417.	438.	496.	514.	548.	529.	507.	503.
PRECIP.	208.	137.	159.	67.	14.	3.	2.	2.	28.	65.	195.	278.	1158.
POT ET	181.	153.	151.	139.	124.	108.	119.	141.	150.	172.	156.	153.	1746.
DEF PREC	-27.	16.	-8.	72.	110.	105.	117.	139.	122.	107.	-39.	-125.	588.
DEP PREC	128.	80.	95.	34.	0.	0.	0.	0.	8.	32.	119.	174.	
MAI	0.70	0.53	0.63	0.24	0.00	0.00	0.00	0.00	0.05	0.19	0.76	1.14	

SAO FRANCISCO COND				LAT 12 37		LON 38 40		80. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	26.0	25.8	25.0	23.8	23.0	22.2	22.3	23.2	24.2	24.9	25.5	24.3
MEAN R.H.	53.	61.	73.	72.	77.	70.	72.	69.	70.	70.	75.	70.	69.
PCT SUN	75.	68.	57.	58.	53.	60.	58.	61.	61.	60.	55.	60.	61.
MEAN RAD.	637.	597.	515.	470.	397.	397.	401.	460.	513.	549.	545.	572.	504.
PRECIP.	77.	74.	139.	228.	299.	163.	216.	113.	89.	89.	135.	93.	1715.
POT ET	200.	170.	162.	140.	119.	112.	115.	132.	146.	166.	162.	178.	1802.
DEF PREC	123.	96.	23.	-88.	-180.	-51.	-101.	19.	57.	77.	27.	85.	87.
DEP PREC	40.	38.	82.	141.	188.	98.	133.	64.	48.	48.	79.	51.	
MAI	0.20	0.23	0.50	1.01	1.58	0.87	1.15	0.49	0.33	0.29	0.49	0.29	

SAO GONCALO DOS CA				LAT 12 25		LON 38 56		247. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.2	24.9	24.0	22.5	21.1	20.6	20.7	21.8	23.4	24.2	24.7	23.2
MEAN R.H.	55.	63.	74.	73.	73.	72.	73.	71.	70.	68.	71.	70.	69.
PCT SUN	74.	67.	56.	57.	57.	59.	57.	59.	60.	62.	59.	60.	61.
MEAN RAD.	632.	590.	513.	465.	414.	393.	399.	452.	512.	560.	561.	570.	505.
PRECIP.	74.	81.	100.	134.	228.	158.	218.	145.	82.	56.	91.	76.	1444.
POT ET	195.	165.	158.	135.	120.	106.	110.	125.	141.	165.	164.	174.	1757.
DEF PREC	121.	84.	58.	1.	-108.	-52.	-108.	-21.	58.	109.	73.	98.	313.
DEP PREC	39.	43.	56.	79.	141.	95.	134.	86.	44.	26.	50.	40.	
MAI	0.20	0.26	0.35	0.58	1.18	0.89	1.22	0.69	0.31	0.16	0.30	0.23	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SAO JOAO EVANGELIS				LAT 18 25		LON 42 47		662. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.7	21.4	19.8	17.5	15.8	15.1	15.7	17.9	20.0	20.8	21.4	19.1
MEAN R.H.	72.	79.	83.	77.	68.	72.	71.	62.	79.	82.	86.	88.	77.
PCT SUN	59.	51.	46.	52.	62.	58.	59.	68.	50.	47.	41.	38.	52.
MEAN RAD.	580.	521.	454.	421.	395.	349.	365.	449.	449.	487.	481.	468.	452.
PRECIP.	205.	147.	160.	89.	32.	16.	17.	8.	42.	106.	223.	315.	1360.
POT ET	164.	133.	127.	109.	100.	81.	86.	107.	111.	132.	129.	131.	1410.
DEF PREC	-41.	-14.	-33.	21.	68.	65.	69.	99.	69.	26.	-94.	-183.	50.
DEP PREC	125.	87.	96.	48.	11.	0.	1.	0.	17.	60.	137.	199.	
MAI	0.77	0.65	0.75	0.44	0.11	0.00	0.01	0.00	0.15	0.45	1.07	1.51	

SAO JOAO MARCOS				LAT 22 49		LON 44 1		420. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	22.9	22.2	20.5	17.6	16.1	15.3	16.3	17.9	19.5	20.7	22.2	19.5
MEAN R.H.	76.	84.	83.	77.	75.	72.	70.	69.	85.	87.	88.	90.	80.
PCT SUN	54.	44.	45.	53.	55.	58.	60.	61.	42.	39.	39.	34.	49.
MEAN RAD.	565.	483.	439.	401.	343.	316.	336.	399.	399.	442.	474.	455.	421.
PRECIP.	246.	236.	187.	90.	54.	31.	18.	34.	77.	99.	154.	257.	1485.
POT ET	164.	127.	126.	106.	87.	74.	79.	97.	98.	118.	126.	131.	1334.
DEF PREC	-82.	-109.	-61.	17.	32.	42.	61.	63.	21.	19.	-28.	-126.	-150.
DEP PREC	153.	146.	114.	49.	25.	10.	1.	12.	40.	55.	92.	160.	
MAI	0.93	1.15	0.90	0.46	0.29	0.14	0.02	0.12	0.41	0.47	0.73	1.22	

SAO LOURENCO				LAT 22 6		LON 45 1		873. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	21.7	21.0	18.8	15.6	13.9	13.4	15.2	17.7	19.6	20.5	21.1	18.4
MEAN R.H.	79.	85.	82.	77.	71.	71.	69.	64.	83.	88.	88.	92.	79.
PCT SUN	50.	42.	47.	53.	59.	59.	61.	66.	46.	38.	39.	31.	49.
MEAN RAD.	544.	475.	450.	404.	360.	325.	346.	420.	418.	435.	472.	434.	424.
PRECIP.	261.	244.	186.	67.	41.	25.	16.	20.	57.	134.	171.	279.	1501.
POT ET	155.	122.	125.	102.	86.	71.	77.	99.	102.	116.	125.	121.	1301.
DEF PREC	-106.	-122.	-61.	35.	45.	46.	61.	79.	46.	-18.	-46.	-158.	-200.
DEP PREC	163.	151.	113.	34.	16.	6.	0.	3.	27.	78.	103.	175.	
MAI	1.05	1.24	0.90	0.33	0.19	0.08	0.00	0.03	0.26	0.67	0.82	1.44	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SAO JOAO DEL REI				LAT 21 8 LON 44 16				907. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	22.2	21.2	19.5	17.1	15.7	15.5	17.2	18.7	20.1	20.5	21.0	19.2
MEAN R.H.	78.	83.	81.	77.	70.	70.	68.	63.	82.	87.	88.	92.	78.
PCT SUN	52.	46.	48.	53.	60.	60.	62.	66.	47.	40.	39.	32.	50.
MEAN RAD.	552.	496.	459.	409.	369.	335.	355.	428.	427.	448.	471.	438.	432.
PRECIP.	236.	204.	190.	67.	31.	22.	12.	10.	50.	125.	191.	297.	1435.
POT ET	157.	129.	128.	106.	92.	78.	84.	107.	108.	122.	125.	122.	1357.
DEF PREC	-79.	-75.	-62.	39.	61.	55.	72.	97.	58.	-3.	-66.	-175.	-78.
DEP PREC	146.	125.	116.	34.	10.	4.	0.	0.	23.	72.	116.	187.	
MAI	0.93	0.97	0.90	0.32	0.11	0.05	0.00	0.00	0.21	0.59	0.93	1.53	

SAO PAULO MURIAE				LAT 21 9 LON 42 21				198. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.0	24.5	23.0	20.5	18.9	17.9	19.3	21.1	22.3	22.9	24.1	22.0
MEAN R.H.	74.	79.	78.	77.	74.	73.	73.	70.	83.	90.	90.	89.	79.
PCT SUN	56.	51.	52.	53.	56.	58.	57.	60.	45.	35.	35.	36.	49.
MEAN RAD.	576.	522.	477.	410.	357.	328.	340.	408.	417.	421.	448.	465.	431.
PRECIP.	258.	196.	172.	85.	39.	28.	25.	29.	65.	167.	221.	281.	1568.
POT ET	176.	145.	145.	116.	98.	83.	87.	108.	112.	121.	126.	140.	1458.
DEF PREC	-82.	-51.	-27.	31.	59.	55.	61.	79.	47.	-46.	-95.	-141.	-110.
DEP PREC	161.	119.	104.	46.	15.	8.	6.	8.	32.	100.	136.	176.	
MAI	0.91	0.82	0.71	0.39	0.16	0.10	0.07	0.08	0.29	0.83	1.08	1.26	

SAO PEDRO				LAT 22 38 LON 43 33				194. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.9	23.9	22.8	21.1	20.2	19.4	20.1	20.5	20.9	22.1	23.4	22.0
MEAN R.H.	76.	82.	82.	76.	80.	68.	67.	76.	85.	88.	92.	91.	80.
PCT SUN	54.	47.	47.	53.	50.	63.	63.	54.	42.	38.	32.	34.	48.
MEAN RAD.	566.	499.	451.	405.	326.	330.	346.	376.	400.	437.	427.	453.	418.
PRECIP.	296.	249.	262.	164.	129.	81.	86.	94.	134.	98.	257.	295.	2145.
POT ET	173.	138.	135.	114.	91.	87.	92.	102.	106.	121.	118.	134.	1412.
DEF PREC	-123.	-110.	-127.	-49.	-38.	6.	6.	8.	-28.	23.	-139.	-162.	-732.
DEP PREC	186.	155.	163.	98.	75.	43.	46.	52.	78.	54.	160.	186.	
MAI	1.07	1.12	1.21	0.86	0.93	0.49	0.50	0.51	0.74	0.45	1.35	1.39	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SAO TOME FAROL				LAT 22 3		LON 41 3		5. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	26.1	25.5	23.8	21.9	20.8	20.1	20.7	21.5	22.6	23.5	24.6	23.1
MEAN R.H.	70.	74.	75.	79.	78.	76.	77.	74.	86.	91.	89.	85.	80.
PCT SUN	60.	57.	55.	50.	51.	54.	53.	57.	41.	33.	37.	43.	49.
MEAN RAD.	596.	550.	486.	394.	334.	311.	321.	389.	395.	407.	459.	512.	430.
PRECIP.	126.	77.	113.	117.	67.	55.	35.	27.	50.	149.	151.	73.	1045.
POT ET	187.	157.	151.	114.	95.	83.	87.	107.	108.	118.	132.	156.	1496.
DEF PREC	61.	80.	33.	-3.	28.	28.	52.	80.	58.	-31.	-19.	83.	451.
DEP PREC	73.	40.	68.	67.	34.	26.	13.	7.	23.	88.	90.	38.	
MAI	0.39	0.26	0.45	0.59	0.36	0.31	0.14	0.07	0.21	0.75	0.68	0.24	

SETA LAGOAS	LAT 19 28 LON 44 15 717. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	22.9	22.5	21.1	18.8	17.3	16.8	18.8	21.0	22.2	22.4	22.3	20.7
MEAN R.H.	74.	78.	77.	73.	65.	65.	64.	60.	77.	82.	84.	89.	74.
PCT SUN	56.	51.	52.	58.	65.	65.	66.	70.	52.	46.	44.	36.	55.
MEAN RAD.	572.	523.	483.	437.	395.	360.	379.	449.	457.	483.	499.	462.	458.
PRECIP.	217.	155.	121.	65.	12.	4.	9.	11.	38.	105.	170.	301.	1209.
POT ET	167.	138.	140.	118.	103.	87.	94.	117.	123.	139.	139.	133.	1498.
DEF PREC	-50.	-18.	19.	53.	91.	83.	84.	107.	85.	34.	-31.	-169.	288.
DEP PREC	133.	93.	69.	32.	0.	0.	0.	0.	15.	59.	103.	190.	
MAI	0.80	0.67	0.50	0.28	0.00	0.00	0.00	0.00	0.12	0.43	0.74	1.43	

SITIO DA BATALHA	LAT 22 43 LON 43 9							5. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.8	25.0	23.6	21.3	19.5	18.8	19.7	21.0	21.6	23.6	24.8	22.5
MEAN R.H.	72.	78.	79.	75.	76.	71.	70.	72.	85.	89.	87.	87.	78.
PCT SUN	58.	51.	50.	55.	54.	60.	60.	58.	42.	37.	39.	40.	50.
MEAN RAD.	589.	522.	466.	409.	338.	322.	338.	390.	400.	427.	475.	495.	431.
PRECIP.	182.	176.	203.	97.	57.	49.	44.	47.	69.	123.	139.	149.	1335.
POT ET	185.	148.	143.	111.	95.	83.	89.	104.	108.	121.	137.	151.	1481.
DEF PREC	3.	-28.	-60.	21.	38.	34.	44.	58.	39.	-3.	-2.	3.	146.
DEP PREC	110.	106.	124.	53.	27.	21.	19.	20.	35.	71.	82.	88.	
MAI	0.60	0.72	0.81	0.45	0.29	0.26	0.21	0.20	0.33	0.59	0.60	0.58	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

TAGUATINGA				LAT 12 16 LON 45 54				660. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.7	23.8	24.3	23.9	23.2	22.9	24.4	26.1	25.7	24.2	23.5	24.1
MEAN R.H.	65.	73.	76.	55.	48.	35.	36.	38.	53.	65.	76.	81.	58.
PCT SUN	65.	58.	54.	74.	80.	88.	88.	87.	75.	65.	54.	48.	70.
MEAN RAD.	592.	547.	505.	532.	492.	484.	498.	548.	573.	572.	537.	508.	532.
PRECIP.	282.	244.	265.	132.	20.	0.	2.	2.	30.	113.	251.	330.	1671.
POT ET	177.	147.	151.	156.	147.	138.	145.	166.	175.	179.	157.	151.	1890.
DEF PREC	-105.	-97.	-114.	24.	127.	138.	143.	164.	145.	66.	-94.	-179.	218.
DEP PREC	177.	151.	165.	77.	3.	0.	0.	0.	9.	64.	156.	209.	
MAI	1.00	1.03	1.10	0.49	0.02	0.00	0.00	0.00	0.05	0.36	1.00	1.38	

TEOFILO OTONI				LAT 17 46 LON 41 26				329. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.4	24.2	22.9	21.0	19.4	18.5	19.3	21.2	22.9	23.5	24.2	22.2
MEAN R.H.	67.	73.	76.	74.	69.	71.	71.	65.	78.	81.	85.	84.	75.
PCT SUN	63.	57.	54.	56.	62.	59.	59.	65.	52.	48.	42.	45.	55.
MEAN RAD.	599.	549.	493.	438.	397.	357.	369.	445.	459.	495.	489.	508.	467.
PRECIP.	187.	135.	126.	92.	39.	24.	29.	25.	33.	108.	212.	224.	1233.
POT ET	183.	150.	149.	124.	110.	92.	96.	118.	124.	144.	140.	153.	1585.
DEF PREC	-4.	15.	23.	31.	72.	68.	67.	93.	92.	36.	-71.	-70.	351.
DEP PREC	113.	79.	73.	51.	15.	5.	8.	6.	11.	61.	130.	138.	
MAI	0.62	0.52	0.49	0.41	0.14	0.06	0.09	0.05	0.09	0.42	0.93	0.90	

TERESOPOLIS				LAT 22 27 LON 42 56				874. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.2	21.2	20.3	18.0	15.7	14.3	13.7	14.7	16.4	17.9	18.7	20.0	17.7
MEAN R.H.	80.	85.	85.	84.	78.	79.	77.	74.	88.	89.	90.	93.	83.
PCT SUN	50.	42.	43.	44.	52.	51.	53.	56.	39.	36.	35.	30.	44.
MEAN RAD.	543.	475.	431.	369.	335.	299.	319.	386.	383.	425.	452.	426.	404.
PRECIP.	271.	216.	208.	98.	65.	42.	36.	44.	73.	116.	192.	310.	1671.
POT ET	152.	120.	118.	91.	80.	66.	71.	90.	91.	108.	114.	115.	1216.
DEF PREC	-119.	-96.	-90.	-7.	15.	24.	35.	46.	18.	-8.	-78.	-195.	-455.
DEP PREC	169.	133.	128.	54.	32.	17.	13.	18.	38.	66.	117.	195.	
MAI	1.12	1.11	1.08	0.60	0.41	0.26	0.19	0.21	0.42	0.61	1.02	1.69	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

TINGUA		LAT 22 35 LON 43 21 135. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.6	23.8	22.3	20.2	19.1	18.5	19.3	20.2	20.7	22.2	23.4	21.6
MEAN R.H.	77.	84.	83.	77.	79.	70.	69.	74.	85.	93.	92.	92.	81.
PCT SUN	53.	44.	45.	53.	51.	60.	61.	56.	42.	30.	32.	32.	46.
MEAN RAD.	560.	486.	439.	403.	330.	324.	341.	383.	400.	387.	429.	440.	410.
PRECIP.	353.	297.	312.	184.	109.	64.	55.	73.	134.	224.	252.	351.	2407.
POT ET	170.	134.	131.	112.	90.	83.	88.	102.	106.	107.	119.	130.	1371.
DEF PREC	-183.	-163.	-181.	-72.	-19.	19.	33.	29.	-29.	-117.	-133.	-221.	-1035.
DEP PREC	224.	187.	196.	111.	62.	31.	26.	38.	79.	138.	157.	222.	
MAI	1.31	1.39	1.50	0.99	0.69	0.38	0.29	0.37	0.74	1.29	1.31	1.71	

TRES CORACOES		LAT 21 42 LON 45 15 893. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.3	21.2	19.5	16.8	14.9	15.1	16.9	18.9	20.3	20.9	21.4	19.2
MEAN R.H.	78.	84.	81.	75.	70.	68.	64.	63.	82.	86.	87.	91.	77.
PCT SUN	51.	45.	48.	55.	60.	62.	66.	67.	47.	41.	40.	33.	51.
MEAN RAD.	550.	489.	458.	416.	366.	336.	362.	426.	427.	451.	480.	445.	434.
PRECIP.	259.	221.	183.	52.	36.	19.	13.	18.	69.	129.	181.	272.	1452.
POT ET	158.	127.	128.	107.	90.	76.	85.	105.	108.	123.	129.	125.	1362.
DEF PREC	-101.	-94.	-55.	55.	54.	57.	72.	87.	39.	-6.	-52.	-147.	-91.
DEP PREC	161.	136.	111.	24.	13.	2.	0.	1.	35.	75.	110.	170.	
MAI	1.02	1.07	0.87	0.22	0.15	0.03	0.00	0.01	0.32	0.61	0.85	1.36	

UBA		LAT 21 7 LON 42 57 349. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.9	24.1	22.1	19.7	18.2	17.7	18.9	20.7	22.4	23.2	23.8	21.7
MEAN R.H.	73.	78.	77.	78.	73.	71.	71.	68.	84.	88.	88.	90.	78.
PCT SUN	57.	52.	53.	51.	57.	59.	59.	62.	45.	39.	39.	35.	51.
MEAN RAD.	578.	527.	483.	405.	359.	332.	347.	413.	416.	440.	471.	458.	436.
PRECIP.	205.	166.	143.	57.	31.	20.	13.	14.	43.	119.	173.	288.	1272.
POT ET	177.	146.	145.	112.	96.	83.	88.	108.	111.	127.	134.	137.	1465.
DEF PREC	-28.	-20.	2.	55.	65.	63.	75.	94.	68.	8.	-39.	-151.	193.
DEP PREC	125.	100.	84.	27.	10.	3.	0.	0.	18.	68.	104.	181.	
MAI	0.71	0.68	0.58	0.24	0.10	0.03	0.00	0.00	0.16	0.54	0.78	1.32	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

VALENCIA		LAT 22 13		LON 43 44		550. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	23.3	22.9	21.5	18.9	17.1	16.1	18.0	18.9	19.5	21.0	22.4	20.2
MEAN R.H.	78.	84.	80.	78.	76.	71.	71.	68.	85.	89.	90.	91.	80.
PCT SUN	51.	44.	49.	52.	54.	59.	59.	62.	42.	36.	35.	33.	48.
MEAN RAD.	552.	488.	462.	400.	344.	323.	339.	406.	403.	425.	450.	450.	420.
PRECIP.	298.	249.	219.	87.	62.	23.	11.	12.	61.	130.	207.	259.	1619.
POT ET	161.	130.	135.	109.	90.	78.	82.	104.	102.	113.	121.	130.	1355.
DEF PREC	-137.	-120.	-84.	22.	28.	55.	71.	91.	41.	-17.	-86.	-129.	-265.
DEP PREC	187.	155.	135.	47.	31.	5.	0.	0.	30.	76.	127.	161.	
MAI	1.17	1.19	1.00	0.43	0.34	0.06	0.00	0.00	0.29	0.67	1.05	1.24	

VASSOURAS		LAT 22 24		LON 43 40		446. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	23.9	23.1	21.1	19.1	18.0	17.4	18.5	19.6	20.6	21.3	22.4	20.7
MEAN R.H.	76.	81.	79.	78.	75.	70.	69.	70.	85.	88.	87.	89.	79.
PCT SUN	54.	48.	50.	51.	55.	60.	61.	61.	42.	38.	40.	37.	50.
MEAN RAD.	567.	506.	464.	397.	345.	324.	342.	401.	402.	435.	482.	471.	428.
PRECIP.	222.	186.	158.	66.	43.	25.	17.	22.	48.	104.	128.	190.	1209.
POT ET	169.	137.	136.	107.	91.	80.	86.	104.	104.	120.	131.	136.	1401.
DEF PREC	-53.	-49.	-22.	41.	48.	55.	69.	82.	56.	16.	3.	-54.	192.
DEP PREC	137.	113.	94.	33.	18.	6.	1.	4.	21.	58.	74.	116.	
MAI	0.81	0.82	0.69	0.31	0.20	0.07	0.01	0.04	0.20	0.49	0.57	0.85	

VICOSA		LAT 20 46		LON 42 54		658. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	22.0	21.3	19.3	16.8	15.5	14.3	15.6	17.9	19.5	20.6	21.4	18.8
MEAN R.H.	76.	81.	83.	80.	73.	75.	74.	68.	84.	87.	88.	90.	80.
PCT SUN	54.	48.	46.	49.	57.	55.	56.	62.	44.	40.	38.	36.	49.
MEAN RAD.	564.	504.	447.	396.	363.	323.	340.	416.	414.	448.	467.	461.	429.
PRECIP.	258.	169.	142.	68.	37.	20.	12.	18.	50.	135.	209.	276.	1391.
POT ET	160.	130.	125.	102.	90.	74.	78.	99.	102.	119.	124.	130.	1332.
DEF PREC	-98.	-39.	-17.	34.	52.	55.	65.	82.	52.	-15.	-84.	-146.	-59.
DEP PREC	160.	102.	84.	34.	14.	2.	0.	1.	22.	79.	128.	172.	
MAI	1.00	0.78	0.67	0.34	0.16	0.03	0.00	0.01	0.22	0.66	1.03	1.33	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

VITORIA		LAT 20 19 LON 40 20 31. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	26.0	25.7	24.3	22.9	21.9	21.0	21.4	22.2	23.0	23.7	24.7	23.5
MEAN R.H.	67.	72.	74.	79.	78.	75.	76.	74.	84.	87.	88.	86.	78.
PCT SUN	63.	58.	56.	51.	52.	55.	53.	56.	44.	39.	38.	41.	51.
MEAN RAD.	606.	559.	495.	407.	349.	327.	335.	398.	416.	442.	466.	497.	441.
PRECIP.	115.	81.	134.	118.	84.	62.	55.	46.	78.	124.	178.	206.	1281.
POT ET	190.	159.	155.	119.	102.	90.	93.	112.	116.	129.	135.	152.	1552.
DEF PREC	75.	78.	21.	1.	18.	28.	38.	66.	38.	5.	-43.	-54.	270.
DEP PREC	66.	43.	78.	68.	45.	30.	26.	20.	41.	72.	109.	126.	
MAI	0.35	0.27	0.51	0.57	0.44	0.34	0.28	0.18	0.36	0.55	0.80	0.83	

XEREM		LAT 22 35 LON 43 18 143. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.5	23.6	21.7	19.6	18.4	17.9	18.8	19.8	21.1	21.9	23.1	21.2
MEAN R.H.	77.	85.	84.	78.	79.	72.	70.	76.	85.	92.	93.	92.	82.
PCT SUN	53.	43.	44.	52.	50.	59.	60.	54.	42.	31.	30.	30.	46.
MEAN RAD.	561.	478.	435.	400.	329.	320.	338.	377.	399.	396.	414.	429.	406.
PRECIP.	349.	328.	321.	192.	120.	90.	74.	95.	125.	202.	283.	391.	2569.
POT ET	170.	131.	129.	110.	88.	80.	86.	98.	104.	110.	114.	126.	1347.
DEF PREC	-179.	-197.	-192.	-82.	-32.	-10.	12.	3.	-21.	-92.	-169.	-265.	-1222.
DEP PREC	221.	207.	203.	117.	69.	49.	38.	52.	72.	123.	177.	249.	
MAI	1.30	1.58	1.57	1.07	0.78	0.61	0.45	0.53	0.70	1.12	1.55	1.98	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ALEGRETE		LAT 29 46		LON 55 47		104. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.2	22.2	18.2	15.2	13.3	12.9	14.1	15.9	18.7	20.9	23.3	18.6
MEAN R.H.	68.	67.	70.	70.	76.	84.	79.	76.	79.	75.	66.	65.	73.
PCT SUN	62.	63.	60.	60.	54.	44.	51.	54.	50.	55.	64.	65.	57.
MEAN RAD.	619.	576.	483.	386.	289.	228.	260.	333.	407.	513.	617.	645.	446.
PRECIP.	145.	109.	121.	165.	149.	129.	109.	108.	128.	191.	133.	123.	1610.
POT ET	189.	157.	139.	96.	68.	49.	57.	76.	95.	134.	165.	190.	1414.
DEF PREC	44.	48.	18.	-69.	-81.	-80.	-52.	-32.	-33.	-57.	32.	67.	-196.
DEP PREC	86.	62.	70.	99.	88.	75.	62.	61.	74.	116.	78.	71.	
MAI	0.45	0.39	0.50	1.03	1.30	1.54	1.09	0.81	0.79	0.87	0.47	0.37	

ALFREDO CHAVES		LAT 28 58		LON 51 55		717. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.0	20.0	16.9	14.0	12.5	12.3	13.3	14.1	15.8	18.3	20.7	16.7
MEAN R.H.	75.	76.	76.	74.	79.	80.	76.	73.	81.	79.	71.	73.	76.
PCT SUN	55.	54.	54.	56.	50.	49.	54.	57.	48.	51.	59.	57.	54.
MEAN RAD.	579.	534.	463.	378.	285.	246.	275.	346.	401.	493.	590.	604.	433.
PRECIP.	153.	131.	130.	146.	165.	196.	164.	177.	191.	138.	112.	135.	1836.
POT ET	163.	134.	125.	91.	65.	51.	59.	77.	88.	118.	147.	167.	1284.
DEF PREC	10.	3.	-4.	-55.	-100.	-145.	-105.	-100.	-103.	-20.	36.	32.	-552.
DEP PREC	91.	76.	75.	86.	99.	120.	98.	107.	116.	81.	63.	79.	
MAI	0.56	0.57	0.60	0.95	1.53	2.33	1.68	1.39	1.32	0.69	0.43	0.47	

ANGRA DOS REIS		LAT 23 1		LON 44 19		2. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	25.7	25.2	23.3	21.5	20.2	19.7	20.1	20.6	21.6	22.5	23.9	22.5
MEAN R.H.	94.	93.	90.	89.	81.	77.	78.	87.	96.	97.	95.	93.	89.
PCT SUN	28.	29.	35.	36.	48.	52.	51.	40.	22.	20.	25.	30.	35.
MEAN RAD.	405.	397.	389.	333.	319.	299.	309.	323.	290.	314.	379.	428.	349.
PRECIP.	292.	277.	280.	197.	148.	105.	97.	116.	143.	208.	235.	287.	2385.
POT ET	126.	112.	120.	95.	90.	79.	83.	88.	77.	89.	106.	128.	1194.
DEF PREC	-166.	-165.	-160.	-102.	-58.	-26.	-14.	-28.	-66.	-119.	-129.	-159.	-1192.
DEP PREC	183.	173.	175.	120.	88.	59.	54.	66.	84.	128.	145.	180.	
MAI	1.45	1.54	1.46	1.27	0.98	0.75	0.65	0.76	1.09	1.44	1.37	1.40	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

ARARANGUA		LAT 28 53 LON 49 31				12. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	23.1	22.3	19.6	16.7	14.9	14.3	15.0	16.4	18.5	20.3	22.1	18.9
MEAN R.H.	79.	79.	78.	77.	76.	80.	78.	83.	88.	87.	81.	78.	80.
PCT SUN	51.	50.	52.	53.	54.	49.	51.	46.	38.	40.	48.	52.	49.
MEAN RAD.	559.	514.	453.	368.	296.	248.	268.	311.	357.	440.	533.	573.	410.
PRECIP.	147.	136.	117.	102.	76.	91.	78.	99.	127.	109.	87.	82.	1251.
POT ET	165.	136.	130.	95.	73.	56.	61.	73.	84.	114.	141.	164.	1292.
DEF PREC	18.	0.	13.	-7.	-3.	-35.	-17.	-26.	-43.	5.	54.	82.	41.
DEP PREC	87.	80.	67.	57.	40.	50.	41.	55.	74.	62.	47.	44.	
MAI	0.53	0.58	0.51	0.60	0.55	0.89	0.67	0.76	0.87	0.54	0.34	0.27	

BASE		LAT 31 20 LON 54 6				216. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	23.5	21.7	17.8	14.8	12.9	12.2	13.3	14.9	17.5	20.1	22.8	18.0
MEAN R.H.	67.	67.	70.	74.	76.	83.	78.	76.	79.	75.	66.	64.	73.
PCT SUN	53.	64.	61.	56.	53.	45.	52.	53.	50.	55.	64.	66.	57.
MEAN RAD.	625.	576.	479.	365.	277.	220.	251.	320.	399.	509.	617.	653.	441.
PRECIP.	108.	96.	97.	120.	120.	119.	104.	112.	125.	134.	75.	77.	1287.
POT ET	189.	154.	136.	90.	64.	46.	54.	71.	90.	128.	162.	190.	1374.
DEF PREC	81.	58.	39.	-30.	-56.	-73.	-50.	-41.	-35.	-6.	87.	113.	87.
DEP PREC	61.	53.	54.	69.	69.	68.	58.	64.	72.	78.	39.	40.	
MAI	0.32	0.34	0.40	0.77	1.07	1.47	1.09	0.90	0.80	0.61	0.24	0.21	

BLUMENAU		LAT 26 55 LON 49 3				15. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.4	23.1	21.4	19.2	16.2	15.6	16.5	17.8	19.5	21.6	23.5	20.2
MEAN R.H.	83.	82.	80.	80.	77.	80.	78.	83.	90.	89.	84.	81.	82.
PCT SUN	45.	46.	49.	49.	53.	49.	52.	45.	35.	36.	43.	48.	46.
MEAN RAD.	526.	497.	447.	365.	308.	262.	285.	321.	350.	420.	505.	548.	403.
PRECIP.	192.	183.	134.	103.	94.	108.	64.	98.	123.	127.	106.	126.	1457.
POT ET	160.	136.	131.	99.	79.	62.	68.	79.	86.	112.	138.	163.	1312.
DEF PREC	-32.	-47.	-3.	-4.	-14.	-47.	4.	-19.	-37.	-15.	32.	36.	-145.
DEP PREC	117.	111.	78.	58.	52.	61.	31.	54.	71.	74.	60.	73.	
MAI	0.73	0.81	0.60	0.58	0.65	0.99	0.46	0.69	0.83	0.66	0.43	0.45	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

BRUSQUE		LAT 27 6		LON 48 56		24. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.0	23.1	20.8	17.7	15.7	15.0	16.0	17.3	19.0	20.8	22.9	19.7
MEAN R.H.	84.	84.	81.	77.	78.	80.	78.	83.	90.	89.	84.	82.	83.
PCT SUN	44.	44.	49.	52.	51.	50.	52.	45.	35.	36.	43.	46.	46.
MEAN RAD.	518.	485.	444.	376.	301.	262.	282.	320.	349.	420.	506.	540.	400.
PRECIP.	227.	203.	170.	134.	124.	120.	79.	121.	155.	164.	157.	154.	1809.
POT ET	156.	132.	130.	101.	76.	61.	66.	77.	85.	111.	135.	158.	1287.
DEF PREC	-71.	-72.	-40.	-33.	-48.	-59.	-13.	-44.	-70.	-53.	-22.	3.	-522.
DEP PREC	140.	124.	102.	78.	72.	69.	42.	70.	92.	98.	94.	92.	
MAI	0.90	0.94	0.78	0.78	0.94	1.14	0.63	0.91	1.09	0.89	0.69	0.58	

CAMBORIU		LAT 27 0		LON 48 38		8. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	22.9	20.4	17.6	16.0	15.1	15.7	17.2	19.0	20.7	22.5	19.6
MEAN R.H.	83.	84.	80.	79.	77.	80.	78.	83.	90.	90.	85.	83.	83.
PCT SUN	45.	44.	49.	50.	52.	50.	52.	45.	34.	35.	42.	46.	45.
MEAN RAD.	527.	485.	445.	369.	305.	263.	282.	319.	346.	415.	500.	538.	399.
PRECIP.	178.	203.	158.	131.	102.	78.	76.	94.	111.	144.	108.	131.	1514.
POT ET	157.	131.	130.	98.	77.	61.	66.	76.	84.	109.	134.	156.	1279.
DEF PREC	-21.	-72.	-28.	-33.	-25.	-17.	-10.	-18.	-27.	-35.	26.	25.	-235.
DEP PREC	108.	124.	94.	76.	57.	41.	40.	52.	63.	85.	61.	76.	
MAI	0.68	0.95	0.73	0.78	0.74	0.67	0.60	0.68	0.75	0.78	0.46	0.49	

CASTRO		LAT 24 47		LON 50 0		992. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.6	20.5	19.6	16.8	14.2	12.8	12.2	13.7	15.2	17.0	18.3	19.8	16.7
MEAN R.H.	84.	83.	80.	78.	75.	77.	70.	72.	85.	85.	80.	81.	79.
PCT SUN	44.	46.	49.	51.	55.	53.	60.	58.	42.	42.	49.	48.	50.
MEAN RAD.	512.	493.	452.	386.	328.	287.	323.	378.	393.	456.	534.	544.	424.
PRECIP.	199.	173.	131.	79.	93.	96.	84.	81.	121.	141.	124.	138.	1460.
POT ET	141.	122.	121.	92.	75.	60.	69.	85.	90.	113.	133.	146.	1247.
DEF PREC	-58.	-51.	-10.	13.	-18.	-36.	-15.	4.	-31.	-28.	9.	8.	-213.
DEP PREC	121.	104.	76.	42.	51.	53.	45.	43.	70.	83.	72.	81.	
MAI	0.86	0.85	0.63	0.45	0.68	0.88	0.66	0.51	0.78	0.73	0.54	0.55	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

CAXIAS SUL		LAT 29 10 LON 51 12 760. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.6	20.2	19.0	15.6	13.4	12.1	11.5	12.8	13.9	15.6	17.5	19.4	16.0
MEAN R.H.	76.	76.	75.	78.	79.	80.	74.	74.	81.	79.	72.	73.	76.
PCT SUN	54.	54.	55.	51.	51.	50.	56.	56.	48.	50.	58.	58.	53.
MEAN RAD.	577.	534.	463.	361.	286.	248.	277.	344.	398.	489.	585.	607.	431.
PRECIP.	142.	138.	126.	133.	142.	157.	138.	122.	165.	152.	106.	131.	1652.
POT ET	159.	131.	122.	83.	63.	51.	58.	75.	87.	116.	143.	161.	1249.
DEF PREC	17.	-6.	-4.	-50.	-79.	-106.	-80.	-47.	-78.	-36.	37.	30.	-403.
DEP PREC	84.	81.	73.	78.	84.	94.	81.	70.	99.	90.	60.	76.	
MAI	0.53	0.62	0.60	0.93	1.32	1.84	1.40	0.94	1.14	0.78	0.42	0.47	

CRUZ ALTA		LAT 28 38 LON 53 36 473. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.1	21.7	18.1	15.9	14.2	13.4	15.0	16.3	13.1	20.6	22.8	18.6
MEAN R.H.	73.	73.	73.	74.	77.	83.	76.	74.	80.	78.	70.	70.	75.
PCT SUN	57.	57.	57.	56.	52.	46.	54.	56.	49.	52.	60.	60.	55.
MEAN RAD.	592.	551.	474.	380.	293.	241.	276.	346.	405.	499.	596.	617.	439.
PRECIP.	148.	126.	123.	154.	154.	168.	124.	126.	158.	186.	120.	140.	1726.
POT ET	177.	146.	134.	94.	70.	53.	61.	81.	95.	128.	159.	180.	1379.
DEF PREC	29.	20.	11.	-59.	-83.	-115.	-63.	-45.	-63.	-58.	39.	40.	-348.
DEP PREC	88.	73.	71.	92.	92.	101.	72.	73.	94.	113.	69.	82.	
MAI	0.50	0.50	0.53	0.97	1.30	1.90	1.17	0.90	0.99	0.88	0.43	0.46	

CURITIBA		LAT 25 26 LON 49 16 947. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.1	20.1	19.2	16.8	14.5	13.2	12.5	14.0	14.8	16.2	17.4	18.9	16.5
MEAN R.H.	84.	84.	80.	77.	76.	77.	70.	73.	86.	86.	81.	82.	80.
PCT SUN	43.	45.	49.	52.	54.	53.	60.	57.	42.	41.	48.	47.	49.
MEAN RAD.	512.	487.	451.	385.	322.	282.	317.	369.	387.	451.	530.	541.	420.
PRECIP.	199.	173.	124.	78.	85.	88.	81.	83.	119.	130.	105.	147.	1412.
POT ET	139.	119.	119.	92.	74.	60.	68.	83.	87.	109.	129.	142.	1223.
DEF PREC	-60.	-53.	-4.	14.	-11.	-28.	-13.	0.	-32.	-21.	24.	-5.	-189.
DEP PREC	121.	104.	72.	41.	46.	48.	43.	44.	68.	76.	59.	87.	
MAI	0.87	0.87	0.60	0.45	0.62	0.79	0.63	0.53	0.79	0.69	0.46	0.61	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

DEDDORO		LAT 29 28		LON 52 16		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	24.5	24.8	23.3	20.9	19.8	18.3	19.9	20.8	21.3	22.8	24.5	22.2
MEAN R.H.	76.	74.	76.	75.	74.	86.	76.	80.	85.	82.	75.	72.	78.
PCT SUN	54.	56.	53.	55.	56.	41.	53.	49.	43.	47.	55.	58.	52.
MEAN RAD.	575.	543.	457.	373.	298.	223.	269.	318.	378.	473.	571.	611.	424.
PRECIP.	204.	162.	187.	106.	62.	36.	26.	32.	63.	89.	130.	177.	1273.
POT ET	178.	149.	140.	106.	83.	58.	69.	86.	101.	132.	161.	186.	1449.
DEF PREC	-27.	-13.	-47.	-0.	20.	22.	44.	54.	38.	45.	31.	9.	176.
DEP PREC	125.	97.	113.	60.	31.	13.	6.	11.	31.	47.	76.	107.	
MAI	0.70	0.65	0.81	0.56	0.37	0.23	0.09	0.12	0.31	0.36	0.47	0.57	

ENCRUZILHADA SUL		LAT 30 32		LON 52 31		418. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	21.3	20.2	16.7	14.3	12.5	11.7	12.3	14.0	15.7	18.3	20.3	16.6
MEAN R.H.	71.	72.	72.	75.	79.	82.	77.	76.	81.	77.	69.	69.	75.
PCT SUN	59.	58.	58.	55.	51.	47.	52.	54.	48.	52.	61.	61.	55.
MEAN RAD.	604.	552.	473.	367.	276.	232.	259.	327.	393.	497.	600.	628.	434.
PRECIP.	120.	120.	94.	136.	150.	147.	137.	132.	144.	144.	73.	90.	1487.
POT ET	171.	140.	129.	87.	63.	48.	54.	70.	87.	119.	150.	171.	1288.
DEF PREC	51.	20.	35.	-48.	-87.	-99.	-83.	-62.	-57.	-25.	77.	81.	-198.
DEP PREC	69.	69.	52.	80.	89.	87.	80.	77.	85.	85.	38.	49.	
MAI	0.40	0.49	0.40	0.91	1.41	1.80	1.48	1.10	0.98	0.72	0.25	0.29	

FLORIANOPOLIS		LAT 27 35		LON 48 35		46. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	24.3	23.8	21.3	19.3	17.6	16.5	16.8	17.8	19.3	20.8	22.8	20.4
MEAN R.H.	82.	83.	80.	80.	78.	81.	78.	83.	90.	89.	84.	82.	82.
PCT SUN	46.	46.	49.	50.	52.	48.	52.	45.	35.	37.	44.	47.	46.
MEAN RAD.	533.	493.	445.	364.	299.	255.	279.	316.	348.	421.	503.	546.	401.
PRECIP.	172.	164.	140.	133.	107.	79.	74.	88.	105.	121.	112.	107.	1402.
POT ET	162.	135.	133.	99.	79.	62.	68.	78.	86.	112.	136.	159.	1308.
DEF PREC	-10.	-29.	-7.	-35.	-28.	-17.	-6.	-10.	-19.	-9.	24.	52.	-94.
DEP PREC	104.	98.	82.	78.	60.	42.	38.	48.	59.	70.	64.	60.	
MAI	0.64	0.73	0.62	0.79	0.76	0.67	0.56	0.61	0.69	0.62	0.47	0.38	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

GUARAPUAVA		LAT 25 24 LON 51 28 1116. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.3	20.0	19.1	16.3	14.3	12.9	12.6	14.3	15.3	16.9	18.3	19.6	16.6
MEAN R.H.	81.	80.	78.	76.	76.	79.	69.	69.	82.	82.	76.	78.	77.
PCT SUN	47.	49.	51.	54.	54.	51.	61.	61.	47.	47.	54.	51.	52.
MEAN RAD.	535.	511.	461.	393.	321.	277.	319.	384.	410.	481.	563.	565.	435.
PRECIP.	198.	141.	134.	113.	119.	136.	102.	112.	157.	163.	157.	153.	1675.
POT ET	146.	125.	122.	93.	73.	59.	69.	88.	94.	119.	141.	151.	1278.
DEF PREC	-42.	-16.	-12.	-20.	-46.	-77.	-33.	-24.	-63.	-44.	-16.	-2.	-397.
DEP PREC	114.	83.	78.	64.	68.	80.	57.	64.	94.	98.	94.	91.	
MAI	0.78	0.66	0.64	0.70	0.93	1.36	0.83	0.73	1.00	0.82	0.67	0.60	

IGUAPE		LAT 24 43 LON 47 33 4. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.1	24.5	22.3	19.8	18.4	17.3	18.2	19.2	20.6	22.0	23.9	21.4
MEAN R.H.	88.	88.	84.	83.	78.	79.	78.	84.	93.	93.	90.	87.	85.
PCT SUN	38.	38.	44.	46.	51.	50.	51.	44.	30.	29.	36.	39.	41.
MEAN RAD.	479.	452.	427.	365.	318.	280.	298.	328.	330.	381.	456.	494.	384.
PRECIP.	231.	245.	192.	155.	121.	98.	89.	86.	123.	127.	111.	150.	1728.
POT ET	148.	126.	130.	102.	85.	70.	75.	84.	85.	105.	126.	148.	1293.
DEF PREC	-83.	-119.	-62.	-53.	-35.	-28.	-14.	-2.	-38.	-22.	15.	-2.	-445.
DEP PREC	143.	152.	117.	92.	70.	54.	48.	46.	71.	74.	63.	89.	
MAI	0.97	1.21	0.90	0.91	0.81	0.78	0.65	0.55	0.84	0.70	0.50	0.60	

IRAI		LAT 27 12 LON 53 18 227. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	23.6	22.1	18.4	16.1	14.7	13.3	14.9	16.8	19.2	21.3	23.3	19.0
MEAN R.H.	76.	75.	76.	76.	77.	82.	79.	77.	84.	82.	75.	74.	78.
PCT SUN	54.	55.	54.	54.	53.	46.	51.	53.	44.	47.	55.	56.	52.
MEAN RAD.	575.	541.	467.	383.	304.	252.	278.	345.	393.	478.	569.	597.	432.
PRECIP.	157.	149.	166.	143.	157.	82.	146.	110.	168.	176.	139.	140.	1733.
POT ET	173.	145.	134.	96.	73.	57.	61.	80.	94.	127.	154.	176.	1370.
DEF PREC	16.	-4.	-32.	-47.	-83.	-25.	-85.	-30.	-74.	-50.	15.	36.	-363.
DEP PREC	94.	88.	100.	84.	94.	44.	86.	62.	101.	106.	82.	82.	
MAI	0.54	0.61	0.75	0.88	1.27	0.77	1.40	0.77	1.08	0.84	0.53	0.47	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

IVAI	LAT 24 24 LON 50 50 776. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	21.7	20.8	17.9	15.3	13.8	13.5	15.3	16.8	18.5	19.8	21.4	18.0
MEAN R.H.	93.	83.	79.	73.	76.	78.	72.	73.	86.	86.	81.	82.	79.
PCT SUN	45.	45.	50.	57.	54.	51.	58.	57.	42.	42.	48.	46.	50.
MEAN RAD.	520.	492.	460.	407.	329.	286.	319.	375.	391.	453.	530.	536.	425.
PRECIP.	186.	150.	120.	97.	115.	121.	99.	90.	141.	149.	127.	129.	1524.
POT ET	148.	126.	127.	100.	78.	62.	71.	88.	93.	118.	139.	151.	1300.
DEF PREC	-38.	-24.	7.	3.	-38.	-59.	-28.	-1.	-48.	-31.	11.	21.	-224.
DEP PREC	113.	89.	69.	54.	66.	70.	55.	49.	83.	88.	74.	75.	
MAI	0.76	0.71	0.54	0.54	0.85	1.12	0.78	0.55	0.89	0.75	0.53	0.50	

JAGUARIAIVA	LAT 24 15 LON 49 42 891. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.1	20.4	17.8	15.2	13.6	13.2	14.9	16.4	19.1	19.3	20.5	17.6
MEAN R.H.	86.	85.	80.	75.	75.	77.	70.	73.	86.	87.	82.	84.	80.
PCT SUN	41.	43.	49.	55.	55.	52.	60.	57.	40.	40.	46.	44.	49.
MEAN RAD.	499.	478.	455.	403.	333.	290.	327.	376.	386.	444.	519.	524.	420.
PRECIP.	219.	172.	118.	80.	82.	80.	65.	59.	99.	128.	130.	137.	1369.
POT ET	140.	120.	124.	99.	78.	63.	72.	88.	91.	114.	133.	144.	1267.
DEF PREC	-79.	-52.	6.	19.	-4.	-17.	7.	29.	-8.	-14.	3.	7.	-102.
DEP PREC	135.	104.	68.	42.	44.	42.	32.	28.	55.	74.	76.	80.	
MAI	0.97	0.86	0.54	0.43	0.56	0.68	0.45	0.32	0.60	0.65	0.57	0.56	

LAGES	LAT 27 49 LON 50 20 926. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.4	20.1	18.9	16.0	13.2	11.5	10.9	12.3	13.9	15.6	17.4	19.3	15.8
MEAN R.H.	79.	79.	77.	77.	76.	78.	71.	73.	83.	81.	75.	76.	77.
PCT SUN	51.	51.	53.	53.	54.	52.	59.	57.	46.	47.	55.	54.	53.
MEAN RAD.	558.	517.	459.	375.	303.	263.	297.	356.	397.	478.	568.	583.	429.
PRECIP.	143.	135.	109.	101.	97.	96.	88.	127.	133.	142.	99.	117.	1386.
POT ET	153.	127.	120.	87.	67.	53.	60.	76.	87.	114.	138.	154.	1236.
DEF PREC	10.	-8.	11.	-14.	-30.	-43.	-27.	-51.	-47.	-28.	40.	37.	-150.
DEP PREC	84.	79.	62.	56.	54.	53.	48.	74.	78.	84.	54.	67.	
MAI	0.55	0.62	0.51	0.65	0.80	1.00	0.79	0.97	0.90	0.73	0.39	0.43	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

LAGUNA				LAT 28 29 LON 48 48				34. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.7	23.1	20.7	18.1	16.5	15.7	16.0	17.1	18.6	20.2	22.2	19.6
MEAN R.H.	79.	82.	79.	79.	78.	81.	79.	93.	89.	88.	83.	80.	82.
PCT SUN	50.	47.	50.	51.	52.	48.	51.	45.	37.	38.	46.	49.	47.
MEAN RAD.	555.	500.	448.	363.	293.	249.	270.	311.	351.	430.	521.	558.	404.
PRECIP.	125.	155.	138.	142.	104.	97.	93.	123.	142.	134.	102.	92.	1447.
POT ET	165.	135.	131.	97.	75.	59.	64.	75.	85.	112.	137.	160.	1296.
DEF PREC	40.	-20.	-7.	-45.	-29.	-38.	-29.	-48.	-57.	-22.	35.	68.	-151.
DEP PREC	72.	92.	81.	84.	58.	54.	51.	71.	84.	78.	57.	50.	
MAI	0.44	0.68	0.62	0.86	0.78	0.91	0.79	0.95	0.99	0.70	0.42	0.31	

MIRANTE SANT'ANA				LAT 23 34 LON 46 39				795. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.5	20.7	20.0	18.2	16.0	14.8	14.4	15.0	16.3	17.3	19.0	19.9	17.7
MEAN R.H.	89.	89.	84.	78.	75.	75.	70.	78.	91.	92.	89.	89.	83.
PCT SUN	36.	36.	44.	52.	55.	55.	61.	52.	34.	32.	37.	37.	44.
MEAN RAD.	466.	437.	432.	394.	336.	302.	332.	364.	354.	396.	465.	477.	396.
PRECIP.	199.	195.	134.	59.	60.	54.	42.	52.	83.	118.	166.	197.	1358.
POT ET	128.	109.	117.	98.	81.	68.	76.	85.	83.	99.	118.	129.	1192.
DEF PREC	-71.	-86.	-17.	40.	21.	14.	34.	33.	1.	-18.	-47.	-68.	-166.
DEP PREC	121.	119.	78.	28.	29.	25.	17.	24.	44.	67.	99.	120.	
MAI	0.95	1.09	0.67	0.29	0.36	0.37	0.23	0.28	0.53	0.68	0.84	0.93	

PARANAGUA				LAT 25 31 LON 48 31				10. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	24.8	24.2	22.0	19.7	18.1	17.1	17.7	18.5	20.0	21.6	23.4	21.0
MEAN R.H.	88.	87.	85.	82.	78.	80.	77.	83.	91.	91.	87.	85.	85.
PCT SUN	39.	40.	43.	46.	52.	49.	52.	45.	32.	33.	39.	43.	43.
MEAN RAD.	484.	460.	423.	363.	315.	271.	296.	328.	342.	401.	480.	518.	390.
PRECIP.	281.	331.	250.	168.	115.	93.	60.	79.	131.	162.	145.	175.	1990.
POT ET	148.	127.	128.	100.	84.	67.	74.	83.	86.	109.	131.	153.	1291.
DEF PREC	-132.	-204.	-122.	-68.	-31.	-26.	14.	4.	-45.	-53.	-14.	-22.	-699.
DEP PREC	176.	209.	155.	101.	66.	51.	29.	42.	76.	97.	86.	106.	
MAI	1.19	1.65	1.22	1.01	0.78	0.76	0.40	0.50	0.89	0.89	0.65	0.69	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PASSO FUNDO		LAT 28 16 LON 52 24 676. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	21.8	20.3	17.0	14.7	13.2	13.3	13.8	15.6	18.1	19.5	21.8	17.6
MEAN R.H.	75.	75.	75.	75.	77.	81.	75.	73.	81.	79.	72.	73.	76.
PCT SUN	55.	55.	55.	55.	52.	48.	55.	57.	43.	50.	58.	58.	54.
MEAN RAD.	579.	538.	470.	378.	296.	249.	283.	351.	403.	492.	587.	605.	436.
PRECIP.	144.	147.	120.	129.	140.	149.	132.	132.	160.	162.	111.	133.	1659.
POT ET	167.	138.	128.	91.	69.	53.	62.	79.	93.	126.	151.	172.	1330.
DEF PREC	23.	-9.	8.	-38.	-71.	-96.	-70.	-53.	-67.	-36.	40.	39.	-330.
DEP PREC	85.	87.	69.	75.	82.	88.	77.	77.	96.	97.	63.	78.	
MAI	0.51	0.63	0.54	0.83	1.20	1.66	1.23	0.98	1.03	0.77	0.42	0.45	

PELOTAS		LAT 31 45 LON 52 21 7. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	22.6	21.7	17.9	15.1	12.9	11.9	13.0	14.5	16.7	18.8	21.4	17.5
MEAN R.H.	70.	71.	72.	74.	77.	82.	80.	80.	82.	79.	71.	68.	76.
PCT SUN	60.	60.	58.	56.	53.	46.	49.	49.	46.	51.	60.	62.	54.
MEAN RAD.	609.	557.	467.	361.	272.	221.	242.	303.	380.	487.	594.	636.	427.
PRECIP.	131.	138.	110.	110.	110.	132.	113.	138.	141.	128.	68.	76.	1395.
POT ET	178.	146.	133.	89.	64.	47.	51.	66.	85.	120.	150.	179.	1307.
DEF PREC	47.	8.	23.	-21.	-46.	-85.	-62.	-72.	-56.	-8.	82.	103.	-88.
DEP PREC	76.	81.	62.	62.	62.	77.	64.	81.	83.	74.	34.	40.	
MAI	0.43	0.56	0.47	0.70	0.98	1.65	1.26	1.22	0.98	0.62	0.23	0.22	

PONTA GROSSA		LAT 25 6 LON 50 10 868. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.1	20.3	17.4	15.2	13.9	13.5	15.1	16.2	17.8	19.2	20.5	17.6
MEAN R.H.	83.	82.	79.	77.	75.	78.	71.	73.	85.	85.	80.	81.	79.
PCT SUN	46.	46.	51.	53.	55.	51.	59.	57.	42.	42.	49.	48.	50.
MEAN RAD.	525.	496.	459.	389.	326.	281.	318.	371.	390.	455.	534.	547.	424.
PRECIP.	167.	162.	114.	80.	92.	96.	81.	80.	122.	140.	123.	145.	1402.
POT ET	147.	125.	125.	95.	77.	61.	71.	87.	92.	116.	137.	150.	1282.
DEF PREC	-19.	-37.	11.	15.	-15.	-35.	-10.	7.	-30.	-24.	14.	5.	-120.
DEP PREC	100.	97.	65.	42.	50.	53.	43.	42.	70.	82.	71.	86.	
MAI	0.68	0.78	0.52	0.45	0.66	0.87	0.61	0.49	0.77	0.71	0.52	0.57	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

PORTO ALEGRE				LAT 30 2 LON 51 13				10. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.5	23.3	19.7	17.1	15.0	14.3	15.3	16.8	19.1	21.3	23.4	19.5
MEAN R.H.	74.	74.	73.	76.	78.	82.	80.	81.	85.	83.	76.	73.	78.
PCT SUN	56.	56.	57.	54.	52.	46.	49.	48.	42.	46.	54.	57.	51.
MEAN RAD.	590.	542.	469.	364.	283.	233.	254.	310.	371.	466.	565.	608.	421.
PRECIP.	119.	104.	89.	103.	115.	140.	128.	114.	124.	119.	75.	88.	1318.
POT ET	180.	149.	138.	95.	71.	53.	58.	73.	89.	123.	153.	180.	1360.
DEF PREC	61.	45.	49.	-9.	-45.	-87.	-70.	-41.	-35.	4.	78.	92.	42.
DEP PREC	68.	58.	48.	58.	66.	82.	74.	65.	72.	68.	39.	48.	
MAI	0.38	0.39	0.35	0.61	0.93	1.56	1.28	0.89	0.81	0.56	0.26	0.27	

RIO GRANDE				LAT 32 2 LON 52 6				2. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	23.3	22.3	19.0	16.1	13.9	12.6	13.4	14.9	17.1	19.3	21.7	18.1
MEAN R.H.	69.	70.	71.	75.	77.	83.	79.	81.	83.	79.	71.	67.	75.
PCT SUN	62.	61.	59.	55.	53.	46.	50.	48.	46.	51.	59.	63.	54.
MEAN RAD.	619.	561.	470.	356.	270.	217.	242.	300.	378.	485.	594.	639.	428.
PRECIP.	88.	99.	101.	97.	101.	111.	98.	120.	123.	98.	68.	59.	1163.
POT ET	182.	149.	135.	91.	65.	47.	52.	66.	85.	121.	152.	181.	1328.
DEF PREC	94.	50.	34.	-6.	-36.	-64.	-46.	-53.	-38.	23.	84.	122.	165.
DEP PREC	48.	55.	56.	54.	56.	63.	54.	69.	71.	54.	34.	28.	
MAI	0.26	0.37	0.42	0.59	0.86	1.33	1.04	1.04	0.83	0.45	0.23	0.16	

RIO NEGRO				LAT 26 6 LON 49 48				847. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.5	20.3	19.5	16.3	14.0	12.4	11.9	13.2	14.4	16.4	17.9	19.5	16.4
MEAN R.H.	82.	82.	78.	73.	75.	77.	71.	74.	85.	85.	80.	81.	79.
PCT SUN	47.	46.	51.	57.	55.	52.	59.	56.	42.	43.	50.	48.	51.
MEAN RAD.	533.	495.	458.	398.	318.	277.	310.	363.	388.	457.	540.	549.	424.
PRECIP.	162.	145.	110.	74.	82.	92.	77.	92.	98.	118.	103.	119.	1272.
POT ET	146.	122.	122.	94.	72.	57.	65.	80.	86.	112.	133.	146.	1236.
DEF PREC	-16.	-23.	12.	20.	-10.	-34.	-12.	-12.	-12.	-6.	30.	27.	-36.
DEP PREC	97.	86.	62.	38.	44.	50.	40.	50.	54.	68.	58.	68.	
MAI	0.66	0.70	0.51	0.41	0.61	0.88	0.62	0.63	0.63	0.61	0.43	0.47	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

RUY BARBOSA		LAT 26 51 LON 52 24 801. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.6	20.2	19.0	15.8	13.4	12.3	11.2	13.7	15.1	16.0	17.7	21.4	16.4
MEAN R.H.	80.	78.	80.	80.	80.	80.	75.	72.	82.	80.	74.	75.	78.
PCT SUN	49.	52.	50.	49.	50.	50.	55.	59.	47.	49.	57.	55.	52.
MEAN RAD.	546.	525.	449.	367.	298.	264.	293.	366.	407.	488.	577.	590.	431.
PRECIP.	235.	186.	225.	202.	197.	224.	161.	203.	215.	249.	170.	195.	2462.
POT ET	150.	129.	118.	85.	66.	55.	60.	82.	92.	118.	142.	166.	1263.
DEF PREC	-85.	-57.	-106.	-117.	-131.	-169.	-101.	-121.	-123.	-132.	-28.	-29.	-1200.
DEP PREC	146.	113.	138.	123.	120.	138.	96.	124.	132.	155.	102.	119.	
MAI	0.97	0.87	1.17	1.45	1.82	2.53	1.59	1.51	1.43	1.32	0.72	0.72	

SANTA MARIA		LAT 29 41 LON 53 48 138. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	24.3	22.8	18.9	16.5	14.6	14.1	15.4	16.7	18.9	21.3	23.7	19.3
MEAN R.H.	71.	72.	72.	72.	78.	84.	80.	77.	82.	78.	70.	69.	75.
PCT SUN	59.	59.	58.	59.	51.	44.	49.	52.	47.	51.	60.	61.	54.
MEAN RAD.	603.	555.	476.	382.	284.	230.	258.	327.	395.	495.	596.	625.	435.
PRECIP.	141.	141.	109.	142.	163.	164.	143.	126.	151.	177.	111.	123.	1691.
POT ET	185.	152.	139.	97.	69.	51.	58.	77.	94.	130.	161.	196.	1401.
DEF PREC	44.	11.	30.	-45.	-94.	-113.	-85.	-49.	-57.	-47.	50.	64.	-290.
DEP PREC	83.	83.	62.	84.	98.	98.	84.	73.	90.	107.	63.	71.	
MAI	0.45	0.55	0.44	0.86	1.41	1.91	1.44	0.94	0.95	0.82	0.39	0.38	

SANTA VITORIA PALM		LAT 33 31 LON 53 22 5. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	21.8	20.6	17.1	14.3	12.0	11.3	11.9	13.3	15.7	17.9	20.5	16.5
MEAN R.H.	65.	65.	70.	73.	77.	83.	80.	79.	79.	74.	65.	62.	73.
PCT SUN	65.	65.	60.	57.	53.	45.	50.	50.	50.	56.	65.	67.	57.
MEAN RAD.	638.	577.	468.	353.	260.	206.	231.	294.	386.	505.	620.	663.	433.
PRECIP.	92.	87.	128.	124.	106.	119.	97.	109.	119.	101.	70.	80.	1232.
POT ET	183.	148.	129.	85.	59.	42.	48.	62.	83.	121.	153.	182.	1294.
DEF PREC	91.	61.	1.	-39.	-47.	-77.	-49.	-47.	-36.	19.	83.	102.	61.
DEP PREC	50.	47.	74.	72.	60.	68.	54.	62.	68.	56.	35.	42.	
MAI	0.28	0.32	0.58	0.84	1.01	1.63	1.13	0.99	0.83	0.47	0.23	0.23	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SANTOS		LAT 23 56		LON 46 20		9. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	24.8	22.8	20.8	19.3	18.5	19.0	19.7	20.9	22.2	23.9	21.9
MEAN R.H.	90.	91.	87.	87.	80.	79.	78.	85.	94.	95.	92.	89.	87.
PCT SUN	34.	34.	39.	39.	49.	51.	51.	42.	27.	26.	31.	36.	38.
MEAN RAD.	453.	425.	407.	341.	315.	288.	304.	327.	316.	356.	427.	470.	369.
PRECIP.	248.	321.	248.	203.	158.	120.	91.	113.	145.	176.	158.	204.	2185.
POT ET	140.	119.	124.	96.	87.	74.	79.	86.	82.	99.	119.	141.	1245.
DEF PREC	-108.	-202.	-124.	-107.	-71.	-46.	-12.	-27.	-63.	-77.	-39.	-63.	-939.
DEP PREC	154.	203.	154.	124.	94.	69.	50.	64.	86.	106.	94.	125.	
MAI	1.10	1.70	1.24	1.29	1.08	0.93	0.63	0.75	1.04	1.08	0.79	0.89	

SAO FRANCISCO PAUL		LAT 29 20		LON 50 31		912. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.8	18.5	17.6	14.4	12.4	10.9	10.3	11.3	12.4	13.9	15.6	17.5	14.5
MEAN R.H.	79.	78.	78.	81.	81.	78.	75.	73.	81.	79.	72.	74.	77.
PCT SUN	51.	51.	51.	48.	48.	51.	55.	57.	48.	50.	58.	56.	52.
MEAN RAD.	559.	520.	448.	350.	276.	251.	275.	345.	398.	488.	585.	601.	425.
PRECIP.	202.	197.	191.	187.	184.	206.	176.	173.	212.	203.	144.	177.	2252.
POT ET	146.	122.	113.	78.	59.	49.	55.	71.	83.	110.	135.	151.	1172.
DEF PREC	-56.	-75.	-78.	-109.	-125.	-157.	-121.	-102.	-129.	-93.	-9.	-26.	-1080.
DEP PREC	123.	120.	116.	113.	111.	126.	106.	104.	130.	124.	85.	107.	
MAI	0.84	0.99	1.03	1.46	1.88	2.55	1.94	1.46	1.58	1.13	0.63	0.71	

SAO FRANCISCO SUL		LAT 26 15		LON 48 39		43. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.4	23.9	21.5	19.5	18.0	16.6	17.1	18.1	19.6	21.2	23.0	20.6
MEAN R.H.	85.	86.	83.	80.	78.	81.	78.	83.	91.	90.	86.	84.	84.
PCT SUN	42.	42.	45.	49.	52.	48.	52.	45.	34.	35.	41.	45.	44.
MEAN RAD.	507.	471.	429.	368.	308.	265.	289.	325.	346.	411.	493.	529.	395.
PRECIP.	228.	282.	236.	150.	122.	86.	78.	94.	126.	155.	134.	136.	1827.
POT ET	154.	129.	128.	100.	82.	65.	71.	81.	86.	110.	133.	155.	1295.
DEF PREC	-74.	-153.	-108.	-50.	-40.	-21.	-7.	-13.	-40.	-45.	-1.	19.	-532.
DEP PREC	141.	177.	146.	89.	70.	46.	41.	52.	73.	92.	78.	80.	
MAI	0.91	1.37	1.14	0.89	0.86	0.71	0.58	0.64	0.85	0.84	0.59	0.51	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

SAO LUIZ GONZAGA				LAT 28 24 LON 54 48				251. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	24.8	23.2	19.2	16.7	14.8	14.4	16.0	17.5	19.4	22.1	24.5	19.8
MEAN R.H.	71.	71.	72.	73.	76.	84.	78.	75.	81.	77.	70.	70.	75.
PCT SUN	59.	59.	58.	57.	54.	44.	52.	55.	48.	52.	61.	61.	55.
MEAN RAD.	603.	559.	480.	387.	299.	238.	274.	344.	405.	501.	599.	622.	442.
PRECIP.	135.	122.	127.	177.	149.	154.	111.	114.	138.	197.	110.	132.	1666.
POT ET	187.	154.	141.	99.	74.	53.	63.	83.	99.	133.	166.	189.	1441.
DEF PREC	52.	33.	14.	-78.	-76.	-100.	-48.	-31.	-39.	-64.	56.	57.	-225.
DEP PREC	79.	70.	74.	107.	88.	92.	63.	65.	81.	120.	62.	77.	
MAI	0.42	0.45	0.52	1.08	1.20	1.71	1.00	0.78	0.82	0.90	0.38	0.41	

SAO PAULO				LAT 23 30 LON 46 37				792. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.7	20.8	18.7	16.9	15.6	14.6	16.2	17.3	18.6	19.2	20.2	18.5
MEAN R.H.	91.	90.	85.	79.	75.	76.	70.	78.	91.	92.	89.	89.	84.
PCT SUN	34.	35.	42.	50.	55.	54.	61.	52.	34.	32.	37.	37.	43.
MEAN RAD.	449.	432.	425.	387.	338.	300.	333.	364.	354.	395.	464.	476.	393.
PRECIP.	253.	227.	173.	81.	54.	53.	43.	39.	64.	127.	131.	180.	1425.
POT ET	127.	111.	117.	98.	84.	69.	77.	88.	86.	103.	119.	130.	1208.
DEF PREC	-126.	-116.	-56.	17.	29.	16.	34.	49.	22.	-24.	-12.	-51.	-218.
DEP PREC	157.	140.	104.	43.	25.	25.	18.	15.	32.	74.	75.	109.	
MAI	1.24	1.27	0.89	0.44	0.30	0.35	0.23	0.17	0.37	0.72	0.64	0.84	

TEREZOPOLIS				LAT 27 48 LON 48 46				222. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.6	22.6	21.3	19.6	16.2	14.1	13.8	14.7	16.2	17.6	19.8	21.7	18.4
MEAN R.H.	85.	83.	81.	76.	77.	79.	76.	81.	89.	89.	83.	81.	81.
PCT SUN	43.	45.	48.	53.	53.	51.	54.	47.	37.	39.	46.	48.	47.
MEAN RAD.	514.	490.	439.	377.	302.	261.	282.	323.	358.	432.	520.	552.	404.
PRECIP.	265.	208.	176.	99.	84.	105.	72.	107.	142.	127.	124.	127.	1636.
POT ET	149.	128.	123.	97.	73.	57.	63.	75.	84.	109.	135.	156.	1251.
DEF PREC	-116.	-80.	-53.	-1.	-11.	-48.	-9.	-32.	-58.	-18.	11.	29.	-385.
DEP PREC	165.	127.	106.	55.	45.	59.	37.	60.	84.	74.	72.	74.	
MAI	1.11	0.99	0.86	0.56	0.61	1.03	0.58	0.81	1.00	0.67	0.53	0.47	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

URUGUAIANA		LAT 29 45 LON 57 5 74. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	25.5	23.6	19.2	16.5	14.2	13.5	15.0	16.9	19.4	22.3	25.1	19.8
MEAN R.H.	65.	63.	69.	73.	74.	86.	78.	74.	77.	72.	63.	61.	71.
PCT SUN	65.	67.	62.	57.	57.	41.	52.	56.	52.	58.	67.	68.	59.
MEAN RAD.	635.	592.	489.	378.	297.	222.	264.	337.	415.	524.	629.	663.	454.
PRECIP.	114.	110.	122.	165.	117.	105.	68.	68.	102.	165.	106.	114.	1356.
POT ET	202.	167.	146.	97.	73.	49.	59.	79.	99.	139.	175.	204.	1488.
DEF PREC	88.	57.	24.	-68.	-44.	-56.	-9.	11.	-3.	-26.	69.	90.	132.
DEP PREC	65.	62.	70.	99.	67.	59.	34.	34.	57.	99.	60.	65.	
MAI	0.32	0.37	0.48	1.02	0.92	1.20	0.59	0.44	0.57	0.71	0.34	0.32	

URUSSANGA		LAT 28 31 LON 49 19 130. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.3	22.4	19.4	16.9	15.2	14.5	15.6	17.1	19.9	20.6	22.3	19.1
MEAN R.H.	81.	81.	79.	79.	77.	80.	77.	82.	88.	87.	81.	78.	81.
PCT SUN	48.	48.	51.	51.	53.	49.	53.	47.	38.	40.	48.	51.	48.
MEAN RAD.	545.	506.	448.	363.	296.	250.	274.	317.	359.	440.	531.	570.	408.
PRECIP.	187.	192.	151.	110.	87.	81.	73.	93.	123.	119.	106.	116.	1438.
POT ET	162.	135.	129.	93.	73.	57.	63.	75.	87.	115.	141.	164.	1296.
DEF PREC	-25.	-57.	-22.	-17.	-14.	-24.	-10.	-18.	-36.	-4.	36.	48.	-142.
DEP PREC	113.	117.	90.	62.	47.	43.	38.	51.	71.	68.	60.	66.	
MAI	0.70	0.87	0.69	0.67	0.64	0.76	0.60	0.68	0.82	0.59	0.42	0.40	

VALDES		LAT 26 15 LON 50 48 777. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.8	20.6	19.5	16.0	13.2	11.5	10.7	12.5	14.4	16.7	18.3	20.0	16.2
MEAN R.H.	80.	81.	78.	74.	76.	77.	72.	74.	84.	84.	78.	79.	78.
PCT SUN	49.	48.	51.	56.	54.	52.	58.	56.	44.	45.	52.	50.	51.
MEAN RAD.	544.	506.	459.	395.	315.	275.	306.	363.	393.	467.	551.	561.	428.
PRECIP.	159.	148.	134.	106.	110.	122.	88.	107.	143.	153.	115.	128.	1513.
POT ET	150.	126.	122.	92.	69.	55.	62.	78.	87.	115.	138.	152.	1247.
DEF PREC	-9.	-22.	-12.	-14.	-41.	-66.	-26.	-29.	-56.	-38.	22.	24.	-266.
DEP PREC	95.	88.	78.	60.	62.	70.	48.	60.	84.	91.	66.	74.	
MAI	0.63	0.70	0.64	0.65	0.90	1.27	0.77	0.77	0.97	0.79	0.48	0.49	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR BRAZIL

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	XANXERE			LAT 26 51 LON 52 24			791. METERS						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.7	20.4	19.1	15.5	13.2	11.9	10.8	12.7	14.4	16.2	18.0	19.7	16.1
MEAN R.H.	80.	78.	79.	79.	79.	79.	75.	72.	82.	80.	74.	75.	78.
PCT SUN	49.	52.	51.	50.	50.	50.	55.	59.	47.	49.	57.	55.	52.
MEAN RAD.	546.	523.	455.	369.	299.	265.	292.	365.	406.	488.	577.	590.	431.
PRECIP.	233.	207.	194.	193.	194.	235.	172.	191.	224.	250.	163.	180.	2436.
POT ET	151.	129.	120.	85.	66.	54.	59.	79.	90.	119.	143.	158.	1253.
DEF PREC	-82.	-78.	-74.	-108.	-128.	-181.	-113.	-112.	-134.	-131.	-20.	-22.	-1183.
DEP PREC	144.	127.	119.	118.	119.	145.	104.	116.	138.	155.	99.	109.	
MAI	0.96	0.98	0.99	1.39	1.79	2.69	1.75	1.46	1.53	1.31	0.68	0.69	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

ACRONOMIA		LAT 5 4 LON 75 31 2154. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.6	16.9	16.8	16.5	16.7	16.2	16.5	16.5	16.2	15.8	15.7	16.2	16.4
MEAN R.H.	67.	73.	80.	87.	87.	81.	83.	82.	73.	88.	82.	80.	80.
PCT SUN	52.	47.	40.	33.	32.	39.	37.	39.	47.	31.	38.	40.	40.
MEAN RAD.	450.	450.	430.	390.	375.	405.	400.	420.	470.	375.	390.	390.	412.
PRECIP.	85.	139.	131.	222.	188.	116.	72.	90.	139.	272.	263.	169.	1885.
POT ET	111.	101.	106.	92.	92.	95.	98.	103.	110.	90.	90.	95.	1183.
DEF PREC	25.	-38.	-25.	-130.	-96.	-21.	26.	13.	-28.	-182.	-173.	-73.	-702.
DEP PREC	46.	92.	85.	161.	133.	73.	35.	51.	92.	204.	196.	116.	
MAI	0.42	0.91	0.90	1.75	1.44	0.76	0.36	0.49	0.83	2.27	2.17	1.23	

ANDAGOYA		LAT 5 5 LON 76 43 60. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.1	27.5	27.6	27.7	27.6	27.2	27.4	27.5	27.4	27.4	27.0	27.1	27.4
MEAN R.H.	67.	73.	80.	87.	87.	81.	83.	82.	73.	88.	82.	80.	80.
PCT SUN	52.	47.	40.	33.	32.	39.	37.	39.	47.	31.	38.	41.	40.
MEAN RAD.	450.	450.	430.	390.	375.	405.	400.	420.	470.	375.	390.	390.	412.
PRECIP.	537.	533.	538.	607.	650.	629.	601.	581.	575.	543.	523.	500.	6817.
POT ET	146.	133.	141.	124.	123.	127.	130.	137.	148.	122.	122.	126.	1579.
DEF PREC	-391.	-400.	-397.	-483.	-527.	-502.	-471.	-444.	-427.	-421.	-401.	-374.	-5237.
DEP PREC	426.	423.	427.	485.	521.	503.	480.	463.	458.	431.	414.	395.	
MAI	2.92	3.18	3.03	3.91	4.24	3.95	3.68	3.37	3.09	3.53	3.40	3.13	

ARACATACA		LAT 10 33 LON 74 13 40. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.4	28.8	28.3	28.9	28.2	27.6	27.9	27.9	28.6	29.1	27.7	28.1	28.2
MEAN R.H.	53.	57.	75.	76.	81.	78.	77.	63.	58.	75.	66.	46.	67.
PCT SUN	62.	59.	45.	44.	39.	42.	43.	54.	58.	45.	53.	66.	51.
MEAN RAD.	455.	480.	450.	460.	430.	440.	450.	510.	520.	430.	430.	460.	460.
PRECIP.	5.	9.	9.	57.	198.	150.	118.	158.	224.	300.	173.	20.	1421.
POT ET	152.	146.	150.	150.	143.	139.	148.	168.	168.	142.	137.	152.	1795.
DEF PREC	146.	137.	141.	93.	-55.	-11.	30.	10.	-56.	-158.	-36.	132.	374.
DEP PREC	0.	0.	0.	23.	141.	101.	74.	108.	163.	227.	120.	0.	
MAI	0.00	0.00	0.00	0.15	0.99	0.72	0.50	0.64	0.97	1.59	0.88	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

ARAUCA				LAT 7 4 LON 70 44				122. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.8	27.6	27.6	27.7	27.5	27.3	27.5	27.6	27.6	27.1	27.0	27.1	27.5
MEAN R.H.	66.	71.	76.	86.	77.	78.	74.	85.	77.	73.	79.	66.	76.
PCT SUN	52.	49.	44.	34.	43.	43.	46.	34.	43.	47.	42.	52.	44.
MEAN RAD.	440.	450.	450.	400.	440.	430.	450.	400.	450.	450.	400.	430.	433.
PRECIP.	4.	7.	17.	177.	232.	244.	236.	180.	162.	163.	60.	20.	1502.
POT ET	145.	133.	147.	127.	144.	135.	147.	131.	142.	146.	125.	139.	1662.
DEF PREC	141.	126.	130.	-50.	-88.	-109.	-89.	-49.	-20.	-17.	65.	119.	159.
DEP PREC	0.	0.	0.	124.	170.	180.	173.	126.	111.	112.	25.	0.	
MAI	0.00	0.00	0.00	0.97	1.18	1.33	1.18	0.96	0.78	0.77	0.20	0.00	

ARMENIA				LAT 4 31 LON 75 40				1204. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.3	24.3	24.4	24.2	24.0	24.2	24.3	24.3	23.8	23.7	23.8	24.1
MEAN R.H.	65.	73.	79.	85.	85.	83.	82.	81.	79.	86.	81.	78.	80.
PCT SUN	54.	47.	41.	34.	35.	37.	38.	39.	41.	34.	39.	42.	40.
MEAN RAD.	460.	450.	440.	400.	390.	390.	400.	420.	440.	390.	400.	400.	415.
PRECIP.	81.	83.	128.	224.	161.	137.	63.	62.	125.	256.	297.	167.	1784.
POT ET	140.	123.	133.	117.	118.	113.	121.	127.	129.	117.	115.	119.	1473.
DEF PREC	59.	40.	5.	-107.	-43.	-23.	58.	65.	4.	-139.	-181.	-47.	-311.
DEP PREC	43.	45.	83.	163.	110.	90.	28.	27.	80.	190.	224.	115.	
MAI	0.31	0.36	0.62	1.39	0.94	0.79	0.23	0.21	0.62	1.63	1.94	0.96	

BARRANCA				LAT 7 0 LON 73 48				126. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.8	27.6	27.6	27.7	27.5	27.3	27.4	27.6	27.6	27.1	27.0	27.1	27.4
MEAN R.H.	72.	68.	76.	86.	75.	80.	76.	79.	75.	83.	79.	60.	76.
PCT SUN	48.	51.	44.	34.	45.	41.	44.	42.	45.	37.	42.	57.	44.
MEAN RAD.	420.	460.	450.	400.	450.	420.	440.	440.	460.	400.	400.	450.	433.
PRECIP.	92.	116.	184.	306.	328.	298.	183.	265.	313.	412.	302.	89.	2887.
POT ET	138.	136.	147.	127.	147.	132.	144.	144.	146.	130.	125.	145.	1661.
DEF PREC	46.	20.	-37.	-179.	-181.	-166.	-39.	-121.	-167.	-282.	-177.	56.	-1227.
DEP PREC	52.	73.	129.	232.	250.	225.	129.	198.	238.	321.	229.	50.	
MAI	0.38	0.53	0.88	1.83	1.70	1.70	0.90	1.37	1.63	2.48	1.83	0.34	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

BARRANCABERMEJA				LAT 7 4 LON 73 52				81. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	29.1	29.1	29.2	28.4	28.3	28.2	28.4	28.9	28.5	27.8	28.1	28.8	28.6
MEAN R.H.	63.	68.	76.	86.	75.	80.	76.	79.	75.	83.	79.	60.	75.
PCT SUN	55.	51.	44.	34.	45.	41.	44.	42.	45.	37.	42.	57.	45.
MEAN RAD.	450.	460.	450.	400.	450.	420.	440.	440.	460.	400.	400.	450.	435.
PRECIP.	70.	93.	145.	241.	289.	272.	194.	285.	288.	425.	285.	123.	2710.
POT ET	153.	141.	153.	129.	150.	135.	147.	148.	149.	131.	128.	151.	1714.
DEF PREC	82.	48.	8.	-112.	-140.	-137.	-47.	-137.	-139.	-293.	-157.	28.	-996.
DEP PREC	34.	53.	97.	177.	219.	204.	138.	214.	217.	332.	214.	78.	
MAI	0.22	0.38	0.63	1.38	1.46	1.51	0.94	1.45	1.46	2.52	1.67	0.52	

BARRANQUILLA				LAT 10 53 LON 74 47				14. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.2	28.0	27.9	28.1	27.8	27.7	27.8	27.9	27.9	27.5	27.3	27.4	27.8
MEAN R.H.	52.	56.	74.	76.	81.	79.	77.	63.	58.	75.	65.	44.	67.
PCT SUN	62.	60.	45.	44.	39.	42.	43.	54.	58.	45.	53.	67.	51.
MEAN RAD.	455.	480.	450.	460.	430.	440.	450.	510.	520.	430.	430.	460.	460.
PRECIP.	1.	0.	0.	6.	94.	108.	67.	97.	145.	233.	57.	7.	815.
POT ET	151.	143.	148.	147.	142.	140.	148.	168.	166.	140.	135.	150.	1778.
DEF PREC	150.	143.	148.	141.	48.	32.	81.	71.	21.	-93.	79.	143.	963.
DEP PREC	0.	0.	0.	0.	54.	66.	31.	57.	97.	171.	23.	0.	
MAI	0.00	0.00	0.00	0.00	0.38	0.47	0.21	0.34	0.58	1.22	0.17	0.00	

BELLA (LA)				LAT 4 31 LON 75 38				1450. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.6	23.5	23.7	23.5	23.3	23.4	23.5	23.5	23.1	23.0	23.0	23.4
MEAN R.H.	65.	73.	79.	85.	85.	83.	82.	81.	79.	86.	81.	78.	80.
PCT SUN	54.	47.	41.	34.	35.	37.	38.	39.	41.	34.	39.	42.	40.
MEAN RAD.	460.	450.	440.	400.	390.	390.	400.	420.	440.	390.	400.	400.	415.
PRECIP.	123.	141.	185.	251.	203.	130.	58.	47.	121.	314.	330.	253.	2155.
POT ET	137.	121.	131.	115.	116.	111.	118.	125.	126.	114.	113.	117.	1445.
DEF PREC	15.	-20.	-54.	-136.	-87.	-19.	60.	78.	6.	-200.	-217.	-136.	-710.
DEP PREC	78.	93.	130.	186.	145.	84.	24.	14.	77.	239.	252.	188.	
MAI	0.57	0.77	1.00	1.61	1.26	0.76	0.20	0.12	0.61	2.09	2.23	1.60	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

BERTHA MONIQUEIRA													
LAT 5 53 LON 73 26 1764. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.7	18.3	18.4	18.3	18.4	17.8	17.6	17.7	17.7	18.0	18.0	17.8	18.0
MEAN R.H.	68.	74.	78.	87.	84.	83.	80.	85.	79.	84.	80.	74.	80.
PCT SUN	51.	46.	42.	33.	36.	38.	41.	35.	41.	36.	41.	46.	40.
MEAN RAD.	440.	440.	440.	390.	400.	400.	420.	400.	440.	400.	400.	410.	415.
PRECIP.	50.	67.	141.	248.	273.	190.	138.	146.	163.	240.	160.	82.	1898.
POT ET	112.	103.	114.	97.	103.	98.	106.	101.	108.	102.	99.	104.	1248.
DEF PREC	62.	35.	-27.	-151.	-170.	-92.	-32.	-45.	-55.	-138.	-61.	22.	-650.
DEP PREC	17.	31.	93.	183.	204.	135.	91.	98.	112.	177.	109.	44.	
MAI	0.15	0.31	0.82	1.88	1.97	1.37	0.86	0.96	1.04	1.73	1.11	0.42	

BLONAY-CHINACOTA													
LAT 7 35 LON 72 37 1205. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.7	19.1	19.8	20.0	20.2	19.8	19.5	19.9	20.1	20.0	19.5	18.8	19.6
MEAN R.H.	76.	75.	76.	86.	76.	78.	75.	79.	75.	83.	84.	81.	79.
PCT SUN	44.	45.	44.	34.	45.	42.	45.	41.	45.	37.	36.	39.	42.
MEAN RAD.	400.	430.	450.	400.	450.	430.	450.	440.	460.	400.	370.	370.	421.
PRECIP.	50.	66.	59.	189.	195.	110.	80.	91.	127.	232.	227.	114.	1540.
POT ET	104.	102.	121.	105.	123.	112.	120.	119.	121.	108.	95.	97.	1327.
DEF PREC	54.	36.	62.	-84.	-73.	2.	40.	28.	-6.	-124.	-132.	-17.	-213.
DEP PREC	17.	30.	24.	134.	139.	67.	42.	51.	82.	170.	166.	71.	
MAI	0.16	0.30	0.20	1.28	1.13	0.60	0.35	0.43	0.68	1.57	1.74	0.73	

BOGOTA OBSERVATORY													
LAT 4 38 LON 74 6 2561. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.9	14.3	14.9	14.9	14.7	14.2	13.5	13.8	13.9	14.1	14.0	14.1	14.2
MEAN R.H.	67.	73.	82.	88.	86.	83.	81.	83.	83.	90.	83.	78.	81.
PCT SUN	51.	47.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	38.	48.	66.	96.	103.	60.	48.	37.	53.	157.	140.	93.	939.
POT ET	101.	93.	98.	86.	88.	86.	91.	92.	92.	82.	85.	91.	1084.
DEF PREC	63.	45.	32.	-10.	-15.	26.	43.	55.	39.	-75.	-55.	-2.	145.
DEP PREC	7.	15.	30.	56.	62.	25.	15.	6.	20.	107.	93.	53.	
MAI	0.07	0.17	0.31	0.65	0.70	0.29	0.17	0.07	0.21	1.31	1.08	0.58	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

BUCARAMANGA		LAT 7 6 LON 73 12 931. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	24.8	24.8	24.4	24.4	24.1	23.8	24.0	24.0	23.8	23.9	24.1	24.2
MEAN R.H.	72.	68.	76.	86.	75.	80.	76.	79.	75.	83.	79.	60.	76.
PCT SUN	48.	51.	44.	34.	45.	41.	44.	42.	45.	37.	42.	57.	44.
MEAN RAD.	420.	460.	450.	400.	450.	420.	440.	440.	460.	400.	400.	450.	433.
PRECIP.	32.	66.	71.	75.	113.	90.	70.	97.	75.	129.	125.	47.	990.
POT ET	129.	127.	138.	117.	136.	122.	131.	132.	134.	120.	116.	136.	1538.
DEF PREC	97.	61.	67.	42.	23.	33.	61.	35.	59.	-10.	-9.	89.	548.
DEP PREC	2.	30.	35.	38.	70.	51.	34.	57.	33.	83.	80.	14.	
MAI	0.01	0.24	0.25	0.32	0.51	0.41	0.26	0.43	0.28	0.70	0.69	0.11	

CACERES		LAT 7 25 LON 75 21 150. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.8	27.5	27.5	27.7	27.4	27.3	27.4	27.5	27.5	27.0	26.9	27.0	27.4
MEAN R.H.	69.	68.	77.	86.	85.	78.	81.	85.	79.	85.	78.	67.	78.
PCT SUN	50.	51.	43.	34.	35.	42.	40.	34.	41.	35.	42.	51.	42.
MEAN RAD.	430.	460.	445.	400.	400.	430.	420.	400.	440.	390.	400.	425.	420.
PRECIP.	72.	65.	100.	197.	409.	407.	495.	400.	368.	418.	333.	240.	3504.
POT ET	141.	136.	145.	127.	130.	135.	137.	131.	139.	126.	125.	137.	1609.
DEF PREC	69.	71.	45.	-70.	-278.	-272.	-358.	-269.	-229.	-292.	-208.	-103.	-1895.
DEP PREC	35.	30.	59.	141.	319.	317.	391.	311.	284.	326.	255.	177.	
MAI	0.25	0.22	0.41	1.11	2.44	2.34	2.86	2.38	2.04	2.59	2.04	1.29	

CALI PUERTO		LAT 3 27 LON 76 24 956. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.1	25.0	25.2	25.0	24.8	24.9	25.0	25.0	24.6	24.5	24.5	24.9
MEAN R.H.	63.	72.	79.	82.	84.	86.	83.	81.	79.	86.	82.	79.	80.
PCT SUN	55.	48.	41.	38.	36.	34.	37.	39.	41.	33.	38.	41.	40.
MEAN RAD.	470.	460.	440.	420.	390.	370.	390.	420.	440.	390.	400.	400.	416.
PRECIP.	85.	62.	90.	157.	132.	63.	38.	24.	46.	121.	123.	106.	1047.
POT ET	146.	128.	135.	126.	120.	110.	120.	129.	131.	119.	118.	122.	1502.
DEF PREC	61.	66.	46.	-31.	-12.	47.	82.	105.	85.	-2.	-5.	16.	456.
DEP PREC	46.	27.	51.	107.	86.	28.	7.	0.	14.	77.	78.	64.	
MAI	0.32	0.21	0.37	0.85	0.72	0.25	0.06	0.00	0.10	0.64	0.67	0.53	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

CARACOL				LAT 4 11 LON 74 28				350. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	26.9	26.9	27.0	26.8	26.7	26.8	26.9	26.9	26.4	26.3	26.4	26.8
MEAN R.H.	68.	73.	82.	88.	86.	83.	80.	83.	83.	90.	83.	79.	82.
PCT SUN	51.	46.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	105.	74.	80.	113.	136.	144.	94.	63.	52.	82.	176.	110.	1229.
POT ET	146.	131.	135.	119.	122.	121.	132.	132.	131.	115.	120.	127.	1529.
DEF PREC	41.	57.	55.	6.	-14.	-23.	38.	69.	79.	33.	-56.	17.	300.
DEP PREC	63.	37.	42.	70.	89.	96.	54.	28.	19.	44.	123.	67.	
MAI	0.43	0.28	0.31	0.59	0.73	0.79	0.41	0.21	0.14	0.38	1.02	0.53	

CARTAGENA				LAT 10 28 LON 75 30				2. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	26.1	25.9	26.7	27.4	27.7	27.4	27.4	27.5	26.6	26.5	25.7	26.7
MEAN R.H.	69.	67.	72.	71.	79.	78.	77.	66.	58.	78.	74.	36.	69.
PCT SUN	50.	52.	47.	48.	41.	42.	43.	52.	58.	43.	45.	72.	50.
MEAN RAD.	410.	450.	460.	480.	440.	440.	450.	500.	520.	420.	400.	480.	454.
PRECIP.	1.	0.	1.	15.	101.	72.	68.	90.	107.	188.	129.	34.	806.
POT ET	128.	128.	145.	149.	143.	140.	147.	163.	164.	134.	123.	150.	1715.
DEF PREC	127.	128.	144.	134.	42.	68.	79.	73.	57.	-54.	-6.	116.	909.
DEP PREC	0.	0.	0.	0.	60.	35.	32.	51.	65.	133.	83.	4.	
MAI	0.00	0.00	0.00	0.00	0.42	0.25	0.22	0.31	0.39	0.99	0.68	0.02	

CENTRO (EL)				LAT 6 57 LON 73 45				135. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.8	27.6	27.5	27.7	27.5	27.3	27.4	27.5	27.5	27.1	27.0	27.0	27.4
MEAN R.H.	72.	68.	76.	86.	75.	80.	76.	79.	75.	83.	79.	60.	76.
PCT SUN	48.	51.	44.	34.	45.	41.	44.	42.	45.	37.	42.	57.	44.
MEAN RAD.	420.	460.	450.	400.	450.	420.	440.	440.	460.	400.	400.	450.	433.
PRECIP.	77.	145.	198.	269.	377.	253.	167.	226.	344.	409.	304.	127.	2896.
POT ET	138.	136.	147.	127.	147.	132.	143.	144.	146.	129.	125.	145.	1660.
DEF PREC	61.	-9.	-51.	-142.	-230.	-121.	-23.	-82.	-198.	-280.	-179.	18.	-1236.
DEP PREC	40.	97.	141.	201.	292.	188.	115.	165.	264.	319.	230.	82.	
MAI	0.29	0.71	0.96	1.58	1.98	1.42	0.80	1.15	1.81	2.46	1.85	0.56	

CERETE	LAT 8 53 LON 75 47 12. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	28.4	28.6	28.9	28.0	27.9	28.0	28.1	27.7	27.5	27.5	27.6	28.0
MEAN R.H.	66.	59.	75.	77.	82.	81.	80.	77.	77.	82.	74.	63.	74.
PCT SUN	53.	57.	45.	43.	39.	39.	41.	43.	43.	38.	46.	55.	45.
MEAN RAD.	430.	480.	450.	450.	420.	420.	430.	450.	450.	400.	410.	430.	435.
PRECIP.	8.	10.	25.	65.	57.	144.	123.	167.	170.	115.	69.	37.	990.
POT ET	142.	144.	151.	147.	139.	134.	142.	149.	143.	131.	130.	141.	1692.
DEF PREC	135.	135.	126.	82.	82.	-10.	19.	-18.	-27.	16.	61.	104.	702.
DEP PREC	0.	0.	0.	30.	23.	96.	78.	115.	118.	72.	33.	6.	
MAI	0.00	0.00	0.00	0.20	0.16	0.72	0.55	0.77	0.82	0.55	0.25	0.04	

COLLEGIO LA SALLE	LAT 6 10 LON 75 38 2066. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	21.7	21.6	21.8	21.6	21.4	21.5	21.6	21.6	21.2	21.1	21.1	21.5
MEAN R.H.	66.	72.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	65.	91.	115.	227.	239.	166.	142.	144.	184.	239.	223.	132.	1966.
POT ET	127.	115.	126.	110.	110.	116.	115.	121.	115.	108.	105.	112.	1379.
DEF PREC	62.	24.	11.	-117.	-128.	-51.	-27.	-23.	-69.	-132.	-118.	-21.	-587.
DEP PREC	30.	51.	72.	166.	175.	115.	94.	96.	129.	176.	162.	86.	
MAI	0.23	0.45	0.57	1.51	1.59	0.99	0.82	0.79	1.13	1.64	1.54	0.77	

COROZAL	LAT 9 20 LON 75 17 166. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.7	27.5	27.4	27.6	27.4	27.2	27.3	27.4	27.4	27.0	26.9	26.9	27.3
MEAN R.H.	60.	62.	74.	75.	80.	78.	80.	71.	67.	80.	71.	62.	72.
PCT SUN	57.	56.	46.	45.	40.	42.	40.	49.	52.	40.	49.	56.	47.
MEAN RAD.	445.	470.	455.	460.	430.	435.	430.	480.	490.	410.	420.	430.	446.
PRECIP.	23.	29.	34.	82.	120.	147.	119.	94.	91.	110.	53.	43.	945.
POT ET	146.	139.	148.	146.	140.	137.	140.	157.	155.	132.	131.	138.	1708.
DEF PREC	123.	110.	114.	64.	20.	-10.	21.	63.	64.	22.	78.	96.	763.
DEP PREC	0.	0.	4.	44.	76.	99.	75.	54.	51.	67.	20.	11.	
MAI	0.00	0.00	0.02	0.30	0.54	0.72	0.54	0.34	0.33	0.51	0.15	0.08	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

CUCHARO (EL)		LAT 4 18 LON 74 49 326. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	27.0	26.9	27.1	26.9	26.7	26.8	26.9	26.9	26.5	26.4	26.4	26.8
MEAN R.H.	68.	73.	82.	88.	86.	83.	80.	83.	83.	90.	83.	79.	82.
PCT SUN	51.	46.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	44.	54.	80.	117.	137.	62.	24.	33.	52.	141.	135.	65.	944.
POT ET	146.	131.	135.	119.	122.	121.	132.	132.	131.	115.	120.	127.	1532.
DEF PREC	102.	77.	55.	2.	-15.	59.	108.	99.	79.	-26.	-15.	62.	588.
DEP PREC	12.	20.	42.	73.	90.	27.	0.	3.	19.	93.	88.	30.	
MAI	0.08	0.16	0.31	0.62	0.74	0.22	0.00	0.02	0.14	0.81	0.74	0.23	

CHAPETON		LAT 4 28 LON 75 17 1200. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.7	20.1	20.2	20.0	20.2	20.0	20.0	20.4	20.6	19.8	19.5	19.6	20.0
MEAN R.H.	65.	73.	79.	85.	85.	83.	82.	81.	79.	86.	81.	78.	80.
PCT SUN	54.	47.	41.	34.	35.	37.	38.	39.	41.	34.	39.	42.	40.
MEAN RAD.	460.	450.	440.	400.	390.	390.	400.	420.	440.	390.	400.	400.	415.
PRECIP.	84.	123.	204.	235.	201.	176.	123.	127.	128.	213.	195.	141.	1950.
POT ET	123.	110.	120.	105.	106.	102.	108.	115.	117.	105.	103.	107.	1322.
DEF PREC	39.	-13.	-84.	-130.	-95.	-74.	-15.	-12.	-11.	-108.	-92.	-34.	-628.
DEP PREC	46.	78.	146.	172.	144.	123.	78.	82.	83.	154.	139.	93.	
MAI	0.37	0.71	1.22	1.64	1.35	1.20	0.72	0.71	0.70	1.47	1.35	0.87	

CHINCHINA		LAT 4 58 LON 75 37 1360. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.7	21.0	21.2	20.7	20.7	20.5	20.7	20.8	20.5	20.0	20.0	20.4	20.6
MEAN R.H.	64.	73.	79.	85.	85.	84.	83.	85.	79.	86.	81.	78.	80.
PCT SUN	54.	47.	42.	34.	35.	36.	37.	35.	41.	34.	40.	42.	40.
MEAN RAD.	460.	450.	440.	400.	390.	390.	400.	400.	440.	390.	400.	400.	413.
PRECIP.	134.	142.	197.	284.	282.	205.	151.	164.	173.	316.	266.	197.	2511.
POT ET	127.	113.	123.	107.	108.	104.	110.	111.	117.	106.	105.	109.	1338.
DEF PREC	-7.	-29.	-74.	-177.	-174.	-101.	-41.	-54.	-56.	-210.	-161.	-88.	-1173.
DEP PREC	88.	94.	141.	214.	212.	147.	102.	113.	120.	240.	198.	141.	
MAI	0.69	0.83	1.14	2.00	1.97	1.42	0.92	1.02	1.03	2.28	1.89	1.28	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

CHUSCAL(EL)		LAT 6 3 LON 75 26 2311. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.2	20.9	20.9	21.1	20.8	20.7	20.8	20.9	20.9	20.4	20.3	20.4	20.8
MEAN R.H.	66.	72.	77.	86.	86.	78.	82.	80.	83.	86.	82.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	40.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	71.	81.	112.	181.	242.	163.	155.	165.	183.	229.	192.	124.	189d.
POT ET	124.	113.	123.	108.	109.	113.	113.	119.	113.	105.	103.	109.	1352.
DEF PREC	53.	32.	11.	-73.	-134.	-50.	-42.	-46.	-70.	-124.	-89.	-15.	-546.
DEP PREC	35.	43.	69.	127.	178.	112.	105.	114.	129.	167.	136.	79.	
MAI	0.28	0.38	0.56	1.18	1.65	0.99	0.93	0.95	1.14	1.59	1.32	0.72	

DE CENIZA		LAT 11 4 LON 74 50 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.2	28.0	27.9	28.1	27.9	27.7	27.8	27.9	27.9	27.5	27.4	27.4	27.8
MEAN R.H.	49.	56.	70.	74.	83.	82.	79.	69.	61.	77.	66.	48.	68.
PCT SUN	64.	60.	50.	46.	37.	38.	41.	50.	56.	43.	52.	65.	50.
MEAN RAD.	460.	480.	470.	470.	420.	420.	440.	490.	510.	420.	425.	450.	455.
PRECIP.	0.	0.	0.	1.	69.	67.	31.	47.	99.	160.	51.	7.	532.
POT ET	153.	143.	155.	151.	138.	133.	145.	162.	163.	137.	134.	147.	1761.
DEF PREC	153.	143.	155.	150.	69.	66.	114.	115.	64.	-23.	83.	140.	1228.
DEP PREC	0.	0.	0.	0.	33.	31.	1.	14.	58.	109.	18.	0.	
MAI	0.00	0.00	0.00	0.00	0.24	0.23	0.01	0.09	0.36	0.80	0.13	0.00	

DOLORES		LAT 3 32 LON 74 53 1400. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.9	21.5	21.4	20.4	21.0	20.7	21.1	21.6	21.9	21.0	20.1	20.6	21.0
MEAN R.H.	65.	74.	79.	87.	87.	87.	83.	86.	77.	85.	82.	81.	81.
PCT SUN	54.	46.	41.	33.	32.	32.	37.	34.	43.	35.	38.	39.	39.
MEAN RAD.	465.	450.	440.	390.	370.	360.	390.	390.	450.	400.	400.	390.	408.
PRECIP.	101.	132.	166.	232.	157.	94.	48.	35.	63.	266.	315.	235.	1844.
POT ET	129.	114.	123.	103.	103.	96.	109.	110.	124.	111.	105.	107.	1335.
DEF PREC	28.	-18.	-43.	-129.	-54.	2.	61.	75.	61.	-155.	-210.	-128.	-509.
DEP PREC	60.	86.	115.	170.	107.	54.	15.	4.	28.	198.	240.	172.	
MAI	0.47	0.75	0.93	1.64	1.04	0.56	0.14	0.04	0.23	1.78	2.28	1.61	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

DOS AGUAS (LAS)				LAT 4 16 LON 74 47				285. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.4	27.1	27.1	27.2	27.0	26.9	27.0	27.1	27.1	26.6	26.5	26.6	27.0
MEAN R.H.	68.	73.	82.	88.	86.	83.	80.	83.	83.	90.	83.	79.	82.
PCT SUN	51.	46.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	60.	119.	105.	237.	224.	104.	58.	60.	102.	229.	199.	120.	1617.
POT ET	147.	132.	136.	119.	123.	121.	132.	132.	131.	115.	120.	128.	1537.
DEF PREC	87.	13.	31.	-118.	-101.	17.	74.	73.	29.	-114.	-78.	8.	-80.
DEP PREC	25.	75.	63.	174.	163.	62.	24.	25.	61.	167.	142.	76.	
MAI	0.17	0.57	0.47	1.46	1.33	0.51	0.18	0.19	0.46	1.45	1.18	0.59	

ESMERALDA				LAT 9 11 LON 74 21				25. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.1	27.9	27.9	28.0	27.8	27.6	27.8	27.9	27.9	27.4	27.3	27.4	27.8
MEAN R.H.	60.	62.	74.	75.	80.	78.	80.	71.	67.	80.	71.	62.	72.
PCT SUN	57.	55.	46.	45.	40.	42.	40.	49.	52.	40.	48.	56.	47.
MEAN RAD.	445.	470.	455.	460.	430.	435.	430.	480.	490.	410.	420.	430.	446.
PRECIP.	6.	25.	42.	129.	188.	174.	151.	186.	230.	265.	200.	38.	1634.
POT ET	147.	140.	150.	147.	141.	138.	141.	158.	156.	134.	132.	140.	1726.
DEF PREC	141.	115.	108.	18.	-47.	-36.	-10.	-28.	-74.	-131.	-68.	102.	92.
DEP PREC	0.	0.	10.	83.	133.	121.	102.	131.	168.	198.	143.	7.	
MAI	0.00	0.00	0.07	0.57	0.94	0.88	0.72	0.83	1.08	1.48	1.08	0.05	

ESTEBAN JARAMILLO				LAT 5 55 LON 75 43				1450. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.6	23.5	23.7	23.5	23.3	23.4	23.5	23.5	23.1	23.0	23.0	23.4
MEAN R.H.	67.	72.	77.	86.	86.	78.	81.	80.	83.	86.	82.	77.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	40.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	97.	116.	128.	229.	348.	243.	168.	241.	224.	324.	264.	164.	2546.
POT ET	133.	121.	132.	115.	116.	121.	121.	128.	121.	113.	110.	117.	1448.
DEF PREC	36.	5.	4.	-114.	-232.	-122.	-47.	-113.	-103.	-211.	-154.	-47.	-1098.
DEP PREC	57.	73.	83.	167.	267.	179.	116.	177.	163.	247.	197.	113.	
MAI	0.42	0.60	0.62	1.45	2.31	1.48	0.96	1.39	1.35	2.19	1.78	0.96	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

GIGANTE HUILA				LAT 2 21 LON 75 31				1500. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.5	19.7	19.8	19.4	19.5	18.9	18.6	18.9	19.4	19.4	19.0	19.3	19.3
MEAN R.H.	65.	73.	81.	85.	85.	87.	83.	82.	79.	87.	83.	82.	81.
PCT SUN	53.	47.	39.	35.	34.	33.	37.	38.	41.	33.	38.	38.	39.
MEAN RAD.	470.	460.	430.	400.	380.	360.	390.	410.	440.	390.	400.	390.	410.
PRECIP.	63.	79.	111.	154.	139.	126.	93.	72.	72.	150.	145.	105.	1308.
POT ET	125.	111.	116.	103.	101.	91.	102.	108.	113.	104.	102.	103.	1279.
DEF PREC	62.	32.	5.	-51.	-37.	-35.	9.	36.	41.	-46.	-43.	-2.	-28.
DEP PREC	28.	41.	68.	104.	91.	81.	53.	35.	35.	101.	97.	63.	
MAI	0.22	0.37	0.59	1.01	0.90	0.88	0.52	0.33	0.31	0.97	0.95	0.61	

GUADALUPE				LAT 6 43 LON 75 17				2135. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	21.5	21.4	21.6	21.4	21.2	21.3	21.4	21.4	21.0	20.9	20.9	21.3
MEAN R.H.	65.	71.	77.	86.	86.	78.	82.	80.	83.	86.	81.	75.	79.
PCT SUN	53.	48.	43.	34.	34.	42.	38.	40.	38.	34.	39.	45.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	91.	87.	123.	340.	473.	376.	378.	307.	337.	417.	267.	122.	3318.
POT ET	126.	114.	125.	109.	109.	115.	115.	121.	114.	107.	105.	111.	1371.
DEF PREC	35.	27.	2.	-231.	-364.	-261.	-263.	-186.	-223.	-310.	-162.	-11.	-1947.
DEP PREC	51.	48.	78.	261.	372.	291.	292.	233.	258.	325.	199.	77.	
MAI	0.41	0.42	0.63	2.39	3.40	2.53	2.55	1.93	2.26	3.04	1.91	0.70	

GUADUAS				LAT 5 4 LON 74 36				1000. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	24.9	24.9	25.1	24.8	24.7	24.8	24.9	24.9	24.4	24.3	24.4	24.8
MEAN R.H.	67.	67.	79.	87.	84.	82.	81.	85.	79.	86.	80.	78.	79.
PCT SUN	52.	51.	42.	33.	36.	38.	39.	35.	41.	34.	40.	43.	40.
MEAN RAD.	450.	470.	440.	390.	400.	400.	410.	400.	440.	390.	400.	400.	416.
PRECIP.	54.	78.	123.	199.	176.	92.	32.	29.	10.	244.	174.	130.	1341.
POT ET	139.	130.	135.	116.	123.	118.	125.	123.	131.	118.	117.	121.	1497.
DEF PREC	85.	52.	12.	-83.	-53.	26.	93.	94.	121.	-126.	-57.	-9.	156.
DEP PREC	20.	41.	78.	142.	123.	52.	2.	0.	0.	180.	121.	84.	
MAI	0.15	0.31	0.58	1.22	1.00	0.44	0.02	0.00	0.00	1.52	1.03	0.69	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

JARDIN-NATIOQUIA				LAT 5 34 LON 75 56				1631. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.5	18.9	19.1	18.9	19.0	18.6	18.6	18.6	18.3	18.0	18.1	18.5	18.6
MEAN R.H.	66.	72.	78.	86.	85.	82.	83.	85.	79.	85.	80.	77.	80.
PCT SUN	53.	47.	42.	34.	34.	38.	37.	35.	41.	34.	40.	43.	40.
MEAN RAD.	450.	450.	440.	400.	390.	400.	400.	400.	440.	390.	400.	400.	413.
PRECIP.	84.	110.	167.	282.	240.	202.	149.	181.	201.	242.	192.	151.	2201.
POT ET	117.	107.	116.	102.	103.	101.	104.	104.	110.	100.	99.	104.	1265.
DEF PREC	33.	-3.	-51.	-180.	-137.	-101.	-45.	-77.	-91.	-142.	-93.	-47.	-936.
DEP PREC	46.	67.	115.	212.	177.	145.	100.	127.	144.	178.	136.	102.	
MAI	0.39	0.63	0.99	2.09	1.72	1.44	0.96	1.22	1.31	1.79	1.37	0.98	

LIBANO				LAT 4 54 LON 75 4				1495. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.5	18.9	19.0	18.9	19.0	18.8	18.8	18.9	18.9	18.4	18.4	18.6	18.8
MEAN R.H.	70.	75.	82.	88.	87.	85.	83.	85.	83.	90.	84.	82.	83.
PCT SUN	50.	45.	38.	31.	33.	35.	38.	35.	38.	29.	36.	38.	37.
MEAN RAD.	440.	440.	420.	380.	380.	380.	400.	400.	420.	360.	380.	330.	398.
PRECIP.	97.	134.	208.	281.	238.	160.	117.	124.	205.	307.	270.	157.	2298.
POT ET	114.	104.	111.	96.	100.	96.	105.	105.	107.	93.	95.	99.	1225.
DEF PREC	17.	-30.	-98.	-184.	-138.	-64.	-12.	-19.	-98.	-214.	-175.	-58.	-1073.
DEP PREC	57.	88.	150.	211.	175.	109.	73.	79.	147.	233.	202.	107.	
MAI	0.49	0.84	1.36	2.19	1.75	1.14	0.70	0.75	1.38	2.50	2.12	1.08	

LLANADAS-MAZANARES				LAT 5 13 LON 75 9				1470. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.4	19.7	19.9	19.6	20.1	19.8	19.9	19.9	19.8	19.3	19.2	19.2	19.6
MEAN R.H.	66.	72.	79.	85.	85.	82.	83.	85.	79.	86.	80.	77.	80.
PCT SUN	52.	47.	42.	34.	35.	38.	37.	35.	41.	34.	40.	43.	40.
MEAN RAD.	450.	450.	440.	400.	390.	400.	400.	400.	440.	390.	400.	400.	413.
PRECIP.	181.	219.	301.	331.	327.	180.	115.	157.	222.	368.	382.	524.	3307.
POT ET	120.	109.	119.	104.	106.	104.	108.	108.	114.	103.	102.	106.	1303.
DEF PREC	-61.	-110.	-182.	-227.	-221.	-76.	-7.	-49.	-108.	-265.	-280.	-418.	-2004.
DEP PREC	127.	159.	228.	253.	250.	126.	72.	107.	161.	284.	296.	415.	
MAI	1.06	1.46	1.92	2.44	2.36	1.21	0.66	0.99	1.41	2.75	2.89	3.92	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

MACARENA (LA)				LAT 6 8		LON 75 20		2156. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.4	21.4	21.5	21.3	21.1	21.2	21.4	21.4	20.9	20.8	20.9	21.2
MEAN R.H.	66.	72.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	54.	70.	98.	162.	244.	179.	193.	180.	215.	233.	173.	95.	1896.
POT ET	126.	114.	125.	109.	109.	115.	115.	121.	114.	107.	104.	111.	1369.
DEF PREC	72.	44.	27.	-53.	-135.	-64.	-78.	-59.	-101.	-126.	-69.	16.	-528.
DEP PREC	20.	34.	57.	111.	180.	125.	137.	126.	156.	171.	120.	55.	
MAI	0.16	0.30	0.46	1.02	1.65	1.09	1.20	1.05	1.36	1.60	1.15	0.49	

MANAURE				LAT 1 45		LON 72 39		1. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.2	28.0	27.9	28.1	27.9	27.7	27.8	27.9	27.9	27.5	27.4	27.4	27.8
MEAN R.H.	78.	79.	81.	88.	87.	88.	82.	84.	81.	85.	81.	83.	83.
PCT SUN	42.	41.	39.	31.	33.	31.	38.	36.	39.	34.	39.	37.	37.
MEAN RAD.	420.	430.	430.	375.	370.	350.	390.	400.	430.	400.	410.	390.	400.
PRECIP.	13.	28.	41.	145.	201.	156.	75.	112.	181.	260.	157.	43.	1412.
POT ET	139.	128.	142.	120.	122.	111.	128.	132.	137.	131.	129.	127.	1548.
DEF PREC	126.	100.	101.	-25.	-79.	-45.	53.	20.	-44.	-129.	-28.	84.	136.
DEP PREC	0.	0.	9.	97.	144.	106.	38.	69.	127.	193.	107.	11.	
MAI	0.00	0.00	0.07	0.81	1.18	0.95	0.30	0.52	0.93	1.48	0.83	0.09	

MANIZALES PALOMAS				LAT 5 8		LON 75 28		2701. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	12.7	12.9	13.1	12.8	13.0	12.7	12.9	12.8	12.7	12.3	12.5	12.8	12.8
MEAN R.H.	66.	73.	79.	85.	85.	82.	83.	85.	79.	86.	80.	78.	80.
PCT SUN	52.	47.	42.	34.	35.	38.	37.	35.	41.	34.	40.	43.	40.
MEAN RAD.	450.	450.	440.	400.	390.	400.	400.	400.	440.	390.	400.	400.	413.
PRECIP.	127.	110.	143.	264.	219.	180.	88.	100.	145.	358.	302.	157.	2193.
POT ET	98.	89.	97.	84.	85.	84.	87.	87.	92.	83.	83.	87.	1057.
DEF PREC	-29.	-21.	-46.	-180.	-134.	-96.	-1.	-13.	-53.	-275.	-219.	-70.	-1136.
DEP PREC	82.	67.	95.	197.	159.	126.	49.	59.	97.	276.	229.	107.	
MAI	0.84	0.76	0.98	2.34	1.86	1.50	0.56	0.68	1.05	3.31	2.75	1.23	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

MANUELITA		LAT 3 35 LON 76 17 1010. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	24.9	24.9	25.0	24.8	24.6	24.7	24.9	24.9	24.4	24.3	24.4	24.7
MEAN R.H.	63.	72.	79.	82.	84.	86.	84.	83.	79.	86.	82.	79.	80.
PCT SUN	55.	48.	41.	38.	35.	34.	37.	37.	41.	33.	38.	41.	40.
MEAN RAD.	470.	460.	440.	420.	390.	370.	390.	410.	440.	390.	400.	400.	415.
PRECIP.	66.	59.	83.	171.	228.	71.	49.	30.	57.	189.	109.	117.	1229.
POT ET	145.	128.	135.	125.	119.	109.	119.	126.	131.	118.	117.	121.	1493.
DEF PREC	79.	69.	52.	-46.	-109.	38.	70.	96.	74.	-71.	8.	4.	264.
DEP PREC	30.	24.	45.	119.	167.	35.	16.	0.	23.	134.	67.	73.	
MAI	0.21	0.19	0.33	0.95	1.40	0.32	0.14	0.00	0.17	1.13	0.57	0.61	

MAZO		LAT 6 16 LON 75 30 2556. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.4	20.2	20.1	20.3	20.1	19.9	20.0	20.1	20.1	19.7	19.6	19.6	20.0
MEAN R.H.	66.	71.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	49.	69.	91.	180.	209.	120.	121.	116.	166.	221.	173.	116.	1631.
POT ET	122.	111.	121.	106.	106.	111.	111.	117.	110.	103.	101.	107.	1325.
DEF PREC	73.	42.	30.	-74.	-103.	-9.	-10.	1.	-56.	-118.	-72.	-9.	-306.
DEP PREC	16.	33.	51.	126.	151.	76.	77.	73.	115.	161.	120.	73.	
MAI	0.13	0.30	0.43	1.20	1.42	0.68	0.69	0.62	1.04	1.56	1.19	0.68	

MESA (LA)		LAT 4 38 LON 74 28 1300. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.0	24.0	24.1	23.9	23.7	23.9	24.0	24.0	23.5	23.4	23.5	23.9
MEAN R.H.	67.	73.	82.	88.	86.	83.	81.	83.	83.	90.	83.	78.	81.
PCT SUN	51.	47.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	65.	102.	164.	144.	191.	115.	36.	45.	82.	248.	220.	136.	1548.
POT ET	136.	122.	126.	111.	114.	113.	123.	123.	122.	107.	112.	119.	1427.
DEF PREC	71.	20.	-38.	-33.	-77.	-2.	87.	78.	40.	-141.	-108.	-17.	-121.
DEP PREC	30.	61.	113.	96.	135.	72.	5.	13.	44.	183.	160.	89.	
MAI	0.22	0.50	0.89	0.87	1.19	0.64	0.04	0.10	0.36	1.71	1.43	0.75	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

MANUELITA		LAT 3 35 LON 76 17 1010. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	24.9	24.9	25.0	24.8	24.6	24.7	24.9	24.9	24.4	24.3	24.4	24.7
MEAN R.H.	63.	72.	79.	82.	84.	86.	84.	83.	79.	86.	82.	79.	80.
PCT SUN	55.	48.	41.	38.	35.	34.	37.	37.	41.	33.	38.	41.	40.
MEAN RAD.	470.	460.	440.	420.	390.	370.	390.	410.	440.	390.	400.	400.	415.
PRECIP.	66.	59.	83.	171.	228.	71.	49.	30.	57.	189.	109.	117.	1229.
POT ET	145.	128.	135.	125.	119.	109.	119.	126.	131.	118.	117.	121.	1493.
DEF PREC	79.	69.	52.	-46.	-109.	38.	70.	96.	74.	-71.	8.	4.	264.
DEP PREC	30.	24.	45.	119.	167.	35.	16.	0.	23.	134.	67.	73.	
MAI	0.21	0.19	0.33	0.95	1.40	0.32	0.14	0.00	0.17	1.13	0.57	0.61	

MAZO		LAT 6 16 LON 75 30 2556. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.4	20.2	20.1	20.3	20.1	19.9	20.0	20.1	20.1	19.7	19.6	19.6	20.0
MEAN R.H.	66.	71.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	49.	69.	91.	180.	209.	120.	121.	116.	166.	221.	173.	116.	1631.
POT ET	122.	111.	121.	106.	106.	111.	111.	117.	110.	103.	101.	107.	1325.
DEF PREC	73.	42.	30.	-74.	-103.	-9.	-10.	1.	-56.	-118.	-72.	-9.	-306.
DEP PREC	16.	33.	51.	126.	151.	76.	77.	73.	115.	161.	120.	73.	
MAI	0.13	0.30	0.43	1.20	1.42	0.68	0.69	0.62	1.04	1.56	1.19	0.68	

MESA (LA)		LAT 4 38 LON 74 28 1300. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.0	24.0	24.1	23.9	23.7	23.9	24.0	24.0	23.5	23.4	23.5	23.9
MEAN R.H.	67.	73.	82.	88.	86.	83.	81.	83.	83.	90.	83.	78.	81.
PCT SUN	51.	47.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	65.	102.	164.	144.	191.	115.	36.	45.	82.	248.	220.	136.	1548.
POT ET	136.	122.	126.	111.	114.	113.	123.	123.	122.	107.	112.	119.	1427.
DEF PREC	71.	20.	-38.	-33.	-77.	-2.	87.	78.	40.	-141.	-108.	-17.	-121.
DEP PREC	30.	61.	113.	96.	135.	72.	5.	13.	44.	183.	160.	89.	
MAI	0.22	0.50	0.89	0.87	1.19	0.64	0.04	0.10	0.36	1.71	1.43	0.75	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

MONTERIA		LAT 8 45 LON 75 51 15. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.2	28.0	27.9	28.1	27.8	27.7	27.8	27.9	27.9	27.5	27.3	27.4	27.8
MEAN R.H.	66.	60.	75.	77.	82.	81.	80.	77.	77.	82.	74.	63.	75.
PCT SUN	52.	57.	45.	43.	38.	39.	41.	43.	43.	38.	45.	55.	45.
MEAN RAD.	430.	480.	450.	450.	420.	420.	430.	450.	450.	400.	410.	430.	435.
PRECIP.	5.	22.	25.	93.	176.	130.	160.	178.	165.	106.	74.	37.	1171.
POT ET	143.	143.	148.	144.	138.	133.	141.	148.	144.	131.	129.	140.	1683.
DEF PREC	138.	121.	123.	51.	-38.	3.	-19.	-30.	-22.	25.	55.	103.	511.
DEP PREC	0.	0.	0.	53.	123.	84.	109.	125.	114.	64.	37.	6.	
MAI	0.00	0.00	0.00	0.37	0.89	0.63	0.77	0.84	0.79	0.49	0.29	0.04	

MOSCA (LA)		LAT 6 18 LON 75 26 2196. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	21.3	21.2	21.4	21.2	21.0	21.1	21.2	21.2	20.8	20.7	20.7	21.1
MEAN R.H.	66.	71.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	38.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	51.	56.	88.	217.	228.	131.	146.	127.	196.	231.	163.	95.	1729.
POT ET	125.	114.	124.	109.	109.	114.	114.	120.	114.	106.	104.	110.	1364.
DEF PREC	74.	58.	37.	-108.	-119.	-17.	-32.	-7.	-82.	-124.	-59.	15.	-365.
DEP PREC	18.	22.	49.	157.	167.	85.	98.	82.	140.	169.	112.	55.	
MAI	0.14	0.19	0.39	1.45	1.53	0.74	0.85	0.68	1.23	1.59	1.08	0.50	

NARANJAL		LAT 4 57 LON 75 41 1400. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.8	21.0	21.0	20.6	20.6	20.4	20.7	20.8	20.6	20.0	19.9	20.5	20.6
MEAN R.H.	64.	73.	79.	85.	84.	84.	83.	85.	79.	86.	81.	78.	80.
PCT SUN	54.	47.	42.	34.	37.	36.	38.	35.	41.	34.	40.	42.	40.
MEAN RAD.	460.	450.	440.	400.	400.	390.	400.	400.	440.	390.	400.	400.	414.
PRECIP.	132.	162.	201.	311.	314.	233.	179.	190.	195.	308.	266.	196.	2687.
POT ET	127.	113.	122.	106.	110.	103.	110.	111.	117.	106.	104.	110.	1340.
DEF PREC	-5.	-49.	-79.	-204.	-204.	-130.	-69.	-79.	-78.	-203.	-161.	-86.	-1347.
DEP PREC	86.	111.	144.	236.	239.	171.	125.	135.	139.	234.	198.	140.	
MAI	0.68	0.98	1.18	2.22	2.17	1.65	1.14	1.22	1.19	2.21	1.90	1.27	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

OSPINA PEREZ		LAT 1 16 LON 77 29 1700. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.6	18.8	18.8	18.9	19.1	18.9	19.3	19.4	19.4	18.7	18.3	18.4	18.9
MEAN R.H.	61.	68.	79.	78.	81.	85.	82.	80.	79.	85.	83.	82.	79.
PCT SUN	56.	51.	41.	43.	39.	35.	38.	40.	41.	34.	37.	39.	41.
MEAN RAD.	490.	480.	440.	440.	400.	370.	390.	420.	440.	400.	400.	400.	423.
PRECIP.	111.	96.	114.	167.	149.	94.	43.	42.	64.	172.	186.	144.	1382.
POT ET	128.	113.	115.	112.	106.	94.	103.	112.	113.	104.	100.	103.	1303.
DEF PREC	17.	17.	1.	-55.	-44.	-0.	60.	70.	49.	-68.	-86.	-41.	-79.
DEP PREC	68.	56.	71.	115.	100.	54.	11.	10.	29.	119.	131.	96.	
MAI	0.53	0.49	0.62	1.03	0.95	0.57	0.11	0.09	0.25	1.14	1.31	0.93	

OTU		LAT 7 3 LON 74 44 610. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.1	26.1	26.2	26.0	25.9	26.0	26.1	26.1	25.6	25.5	25.6	26.0
MEAN R.H.	72.	68.	76.	86.	75.	80.	76.	79.	75.	83.	79.	60.	76.
PCT SUN	48.	51.	44.	34.	45.	41.	44.	42.	45.	37.	42.	57.	44.
MEAN RAD.	420.	460.	450.	400.	450.	420.	440.	440.	460.	400.	400.	450.	433.
PRECIP.	56.	46.	81.	255.	284.	287.	259.	303.	290.	353.	258.	135.	2607.
POT ET	134.	131.	142.	123.	142.	128.	139.	139.	141.	125.	121.	141.	1604.
DEF PREC	78.	85.	61.	-132.	-142.	-159.	-120.	-164.	-149.	-228.	-137.	6.	-1003.
DEP PREC	22.	14.	43.	189.	214.	216.	193.	230.	219.	272.	192.	88.	
MAI	0.16	0.10	0.30	1.54	1.50	1.69	1.39	1.65	1.55	2.17	1.59	0.63	

PALMA (LA)		LAT S 21 LON 74 24 1400. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	23.7	23.7	23.8	23.6	23.4	23.6	23.7	23.7	23.2	23.1	23.2	23.6
MEAN R.H.	66.	67.	79.	87.	84.	82.	81.	85.	79.	86.	80.	77.	79.
PCT SUN	52.	52.	42.	33.	36.	38.	39.	35.	41.	34.	40.	43.	40.
MEAN RAD.	450.	470.	440.	390.	400.	400.	410.	400.	440.	390.	400.	400.	416.
PRECIP.	123.	158.	170.	277.	260.	190.	136.	103.	188.	308.	217.	147.	2277.
POT ET	135.	127.	131.	113.	119.	115.	122.	119.	127.	115.	114.	118.	1453.
DEF PREC	12.	-31.	-39.	-164.	-141.	-75.	-14.	16.	-61.	-193.	-103.	-30.	-824.
DEP PREC	78.	108.	118.	208.	193.	135.	89.	62.	133.	234.	157.	99.	
MAI	0.58	0.85	0.90	1.84	1.63	1.18	0.73	0.52	1.05	2.04	1.33	0.84	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

PALMAS (LAS)		LAT 6 4 LON 75 29 2221. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.2	21.2	21.3	21.1	20.9	21.0	21.2	21.2	20.7	20.6	20.7	21.0
MEAN R.H.	66.	72.	77.	86.	86.	78.	82.	80.	83.	86.	82.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	39.	34.	39.	44.	40.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	53.	114.	112.	185.	240.	131.	127.	124.	184.	227.	200.	133.	1830.
POT ET	125.	114.	124.	108.	109.	114.	114.	120.	113.	106.	104.	110.	1362.
DEF PREC	72.	-0.	12.	-76.	-131.	-17.	-13.	-4.	-70.	-121.	-96.	-23.	-468.
DEP PREC	20.	71.	69.	130.	177.	85.	82.	79.	129.	166.	143.	87.	
MAI	0.16	0.62	0.56	1.20	1.63	0.75	0.72	0.66	1.14	1.56	1.38	0.79	

PALMIRA		LAT 3 33 LON 76 18 1001. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	24.9	24.9	25.1	24.8	24.7	24.8	24.9	24.9	24.4	24.3	24.4	24.8
MEAN R.H.	63.	72.	79.	82.	84.	86.	83.	83.	79.	86.	92.	79.	80.
PCT SUN	55.	48.	41.	38.	35.	34.	37.	37.	41.	33.	38.	41.	40.
MEAN RAD.	470.	460.	440.	420.	390.	370.	390.	410.	440.	390.	400.	400.	415.
PRECIP.	69.	66.	80.	168.	162.	72.	36.	22.	52.	163.	117.	88.	1095.
POT ET	145.	128.	135.	125.	119.	109.	119.	126.	131.	118.	117.	121.	1494.
DEF PREC	76.	62.	55.	-43.	-43.	37.	83.	104.	79.	-45.	0.	33.	399.
DEP PREC	33.	30.	42.	116.	111.	35.	5.	0.	19.	112.	73.	49.	
MAI	0.23	0.24	0.31	0.93	0.93	0.32	0.04	0.00	0.14	0.95	0.63	0.40	

PASO (EL)		LAT 4 31 LON 75 31 3265. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.2	18.0	18.0	18.1	17.9	17.7	17.9	18.0	18.0	17.5	17.4	17.5	17.9
MEAN R.H.	67.	73.	82.	88.	86.	83.	81.	83.	83.	90.	83.	78.	81.
PCT SUN	51.	47.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	103.	80.	133.	159.	197.	149.	129.	82.	76.	246.	247.	238.	1839.
POT ET	116.	104.	107.	94.	97.	96.	104.	105.	104.	91.	95.	101.	1213.
DEF PREC	13.	24.	-26.	-65.	-100.	-53.	-25.	23.	28.	-155.	-152.	-137.	-626.
DEP PREC	62.	42.	87.	109.	141.	100.	83.	44.	39.	182.	182.	175.	
MAI	0.53	0.41	0.81	1.15	1.45	1.05	0.80	0.42	0.37	2.00	1.92	1.74	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

PASTO	LAT 1 27 LON 77 15 1796. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	15.1	14.8	15.2	15.8	15.9	16.2	15.4	14.7	15.4	14.6	15.0	15.3	15.3
MEAN R.H.	60.	68.	79.	78.	82.	85.	82.	80.	79.	85.	83.	81.	79.
PCT SUN	57.	51.	41.	43.	39.	35.	38.	40.	41.	34.	37.	39.	41.
MEAN RAD.	490.	480.	440.	440.	400.	370.	390.	420.	440.	400.	400.	400.	423.
PRECIP.	81.	67.	83.	98.	91.	49.	36.	29.	41.	129.	106.	122.	932.
POT ET	115.	101.	104.	102.	96.	87.	92.	97.	101.	92.	90.	94.	1171.
DEF PREC	34.	34.	20.	4.	5.	38.	56.	68.	60.	-37.	-15.	-28.	239.
DEP PREC	43.	31.	45.	57.	51.	16.	5.	0.	9.	83.	64.	77.	
MAI	0.37	0.31	0.43	0.56	0.54	0.19	0.06	0.00	0.09	0.90	0.71	0.82	

PEDREGAL (EL)	LAT 6 17 LON 75 37 1909. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	22.2	22.1	22.3	22.1	21.9	22.0	22.1	22.1	21.7	21.6	21.6	22.0
MEAN R.H.	66.	71.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	46.	70.	85.	170.	227.	118.	120.	123.	165.	199.	160.	90.	1573.
POT ET	128.	117.	127.	111.	112.	117.	117.	123.	116.	109.	106.	113.	1397.
DEF PREC	82.	46.	42.	-59.	-116.	-1.	-3.	0.	-49.	-90.	-54.	23.	-176.
DEP PREC	14.	34.	46.	118.	166.	74.	76.	78.	114.	142.	109.	51.	
MAI	0.11	0.29	0.36	1.06	1.49	0.63	0.65	0.64	0.98	1.30	1.03	0.45	

PEREIRA	LAT 4 48 LON 75 45 1342. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	23.9	23.8	24.0	23.8	23.6	23.7	23.8	23.8	23.4	23.3	23.3	23.7
MEAN R.H.	67.	73.	79.	85.	85.	82.	83.	85.	79.	86.	81.	78.	80.
PCT SUN	52.	47.	42.	34.	35.	38.	38.	35.	41.	34.	40.	42.	40.
MEAN RAD.	450.	450.	440.	400.	390.	400.	400.	400.	440.	390.	400.	400.	413.
PRECIP.	122.	132.	151.	248.	260.	159.	117.	112.	109.	262.	248.	191.	2111.
POT ET	136.	122.	132.	116.	117.	115.	119.	120.	127.	115.	114.	118.	1451.
DEF PREC	14.	-10.	-19.	-132.	-144.	-44.	2.	8.	18.	-147.	-134.	-73.	-660.
DEP PREC	77.	86.	102.	183.	193.	109.	73.	69.	67.	195.	183.	135.	
MAI	0.57	0.71	0.77	1.78	1.66	0.94	0.61	0.58	0.52	1.69	1.61	1.15	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

TETROLEA		LAT 8 29 LON 72 34 62. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.0	27.8	27.8	27.9	27.7	27.5	27.6	27.8	27.8	27.3	27.2	27.3	27.6
MEAN R.H.	39.	63.	70.	83.	73.	79.	68.	65.	62.	72.	77.	56.	67.
PCT SUN	70.	55.	50.	37.	47.	41.	51.	53.	56.	48.	43.	60.	51.
MEAN RAD.	500.	470.	475.	420.	465.	430.	480.	500.	510.	450.	400.	450.	463.
PRECIP.	26.	70.	41.	198.	204.	138.	106.	73.	192.	306.	267.	220.	1841.
POT ET	165.	140.	156.	134.	153.	136.	157.	164.	162.	146.	126.	146.	1786.
DEF PREC	139.	70.	115.	-64.	-51.	-2.	51.	91.	-30.	-160.	-141.	-74.	-55.
DEP PREC	0.	34.	9.	141.	146.	91.	64.	36.	136.	232.	199.	160.	
MAI	0.00	0.24	0.06	1.06	0.96	0.67	0.41	0.22	0.84	1.59	1.59	1.09	

PLATANO REDONDO 1		LAT 5 2 LON 74 2 3001. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.1	18.8	18.8	18.9	18.7	18.6	18.7	18.8	18.8	18.3	18.2	18.3	18.7
MEAN R.H.	67.	67.	79.	87.	84.	82.	81.	85.	79.	86.	81.	78.	79.
PCT SUN	52.	51.	42.	33.	36.	38.	39.	35.	41.	34.	40.	43.	40.
MEAN RAD.	450.	470.	440.	390.	400.	400.	410.	400.	440.	390.	400.	400.	416.
PRECIP.	37.	53.	73.	136.	129.	109.	93.	86.	70.	163.	105.	56.	1110.
POT ET	119.	111.	115.	99.	104.	101.	107.	105.	111.	101.	100.	103.	1275.
DEF PREC	81.	58.	42.	-37.	-25.	-8.	14.	18.	41.	-62.	-5.	47.	165.
DEP PREC	6.	20.	36.	89.	83.	67.	53.	47.	34.	112.	63.	22.	
MAI	0.05	0.18	0.31	0.90	0.80	0.66	0.50	0.45	0.30	1.11	0.63	0.21	

POPAYAN-LA FLORIDA		LAT 2 26 LON 76 36 1789. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.4	17.5	17.6	17.4	17.5	17.3	17.6	18.0	17.9	17.2	16.9	17.2	17.5
MEAN R.H.	62.	70.	79.	82.	84.	87.	83.	82.	79.	85.	83.	81.	80.
PCT SUN	56.	49.	41.	39.	36.	33.	37.	38.	41.	35.	38.	40.	40.
MEAN RAD.	480.	470.	440.	420.	390.	360.	390.	410.	440.	400.	400.	400.	417.
PRECIP.	155.	147.	163.	189.	138.	99.	40.	32.	93.	281.	303.	277.	1917.
POT ET	121.	107.	111.	102.	98.	87.	99.	105.	108.	100.	96.	100.	1234.
DEF PREC	-34.	-40.	-52.	-87.	-40.	-12.	59.	73.	15.	-181.	-207.	-177.	-683.
DEP PREC	105.	99.	112.	134.	91.	58.	8.	2.	53.	211.	230.	208.	
MAI	0.87	0.92	1.01	1.31	0.92	0.67	0.09	0.02	0.49	2.11	2.40	2.08	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

PUEBLO BELLO													
LAT 2 16 LON 73 35 950. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.6	20.3	21.1	21.1	20.8	21.1	21.1	20.9	20.6	20.3	20.0	19.6	20.5
MEAN R.H.	68.	77.	81.	86.	82.	88.	83.	82.	81.	87.	81.	83.	82.
PCT SUN	51.	43.	39.	33.	38.	31.	37.	38.	39.	33.	39.	38.	38.
MEAN RAD.	460.	440.	430.	390.	400.	350.	390.	410.	430.	390.	410.	390.	408.
PRECIP.	31.	27.	48.	127.	293.	258.	171.	238.	287.	378.	265.	51.	2174.
POT ET	123.	108.	120.	105.	111.	94.	109.	114.	114.	106.	107.	104.	1316.
DEF PREC	92.	81.	72.	-22.	-183.	-164.	-62.	-124.	-173.	-272.	-158.	53.	-858.
DEP PREC	1.	0.	15.	82.	221.	192.	119.	175.	216.	292.	198.	18.	
MAI	0.01	0.00	0.13	0.78	2.00	2.03	1.09	1.54	1.89	2.75	1.84	0.17	

PUERTO MONTA													
LAT 4 21 LON 74 21 1420. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	23.7	23.6	23.8	23.5	23.4	23.5	23.6	23.6	23.2	23.0	23.1	23.5
MEAN R.H.	62.	73.	77.	84.	81.	80.	74.	73.	70.	77.	81.	78.	76.
PCT SUN	56.	47.	43.	36.	39.	41.	46.	47.	49.	43.	39.	42.	44.
MEAN RAD.	470.	450.	450.	410.	410.	410.	440.	460.	480.	440.	400.	400.	435.
PRECIP.	97.	62.	94.	115.	153.	62.	34.	25.	47.	147.	155.	101.	1092.
POT ET	141.	121.	134.	119.	122.	117.	131.	137.	138.	129.	113.	117.	1519.
DEF PREC	44.	59.	40.	3.	-31.	55.	97.	112.	91.	-18.	-41.	16.	427.
DEP PREC	57.	27.	54.	72.	103.	27.	4.	0.	14.	99.	105.	60.	
MAI	0.40	0.22	0.40	0.60	0.85	0.23	0.03	0.00	0.10	0.76	0.93	0.51	

QUETAME													
LAT 4 20 LON 73 52 1300. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.0	24.0	24.1	23.9	23.7	23.9	24.0	24.0	23.5	23.4	23.5	23.9
MEAN R.H.	68.	73.	82.	88.	86.	83.	80.	83.	83.	90.	83.	78.	82.
PCT SUN	51.	47.	38.	31.	33.	37.	40.	37.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	390.	410.	410.	420.	360.	390.	400.	405.
PRECIP.	47.	41.	105.	198.	309.	309.	375.	283.	213.	134.	100.	55.	2169.
POT ET	136.	122.	126.	111.	114.	113.	123.	123.	122.	107.	112.	119.	1427.
DEF PREC	89.	81.	21.	-87.	-195.	-196.	-252.	-160.	-91.	-27.	12.	64.	-743.
DEP PREC	14.	9.	63.	141.	235.	235.	290.	213.	154.	88.	59.	21.	
MAI	0.11	0.08	0.50	1.28	2.06	2.08	2.36	1.73	1.26	0.82	0.53	0.18	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

QUIBDO		LAT 5 42		LON 76 38		73. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	25.8	26.3	26.7	26.2	26.1	25.3	25.6	25.8	25.5	25.9	25.7	25.9
MEAN R.H.	84.	87.	88.	88.	91.	84.	85.	85.	88.	92.	92.	90.	88.
PCT SUN	36.	32.	31.	31.	28.	36.	35.	35.	31.	26.	26.	28.	31.
MEAN RAD.	370.	370.	380.	380.	350.	390.	390.	400.	380.	340.	320.	320.	366.
PRECIP.	746.	415.	453.	512.	590.	676.	687.	697.	642.	547.	629.	532.	7126.
POT ET	117.	105.	121.	118.	111.	119.	121.	125.	115.	106.	97.	100.	1356.
DEF PREC	-629.	-310.	-332.	-394.	-479.	-557.	-566.	-572.	-527.	-441.	-531.	-432.	-5770.
DEP PREC	602.	324.	355.	405.	471.	543.	552.	560.	514.	435.	503.	422.	
MAI	5.14	3.09	2.95	3.44	4.24	4.55	4.56	4.48	4.46	4.10	5.17	4.21	

REPRESA FABRICATO		LAT 6 21		LON 75 35		2441. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.8	20.5	20.5	20.7	20.4	20.3	20.4	20.5	20.5	20.0	19.9	20.0	20.4
MEAN R.H.	66.	71.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	53.	48.	43.	34.	34.	42.	38.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	42.	70.	78.	166.	227.	132.	140.	143.	180.	179.	138.	93.	1588.
POT ET	123.	112.	122.	107.	107.	112.	112.	118.	111.	104.	102.	108.	1338.
DEF PREC	81.	42.	44.	-60.	-120.	-20.	-28.	-25.	-69.	-75.	-36.	15.	-250.
DEP PREC	10.	34.	41.	115.	166.	86.	93.	95.	126.	125.	91.	53.	
MAI	0.08	0.30	0.33	1.07	1.55	0.77	0.83	0.81	1.13	1.20	0.89	0.49	

RESTREPO-VALLE		LAT 3 49		LON 76 30		1670. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.8	20.0	20.0	19.7	19.8	19.5	19.6	19.7	19.7	19.3	19.2	19.5	19.7
MEAN R.H.	63.	71.	79.	82.	85.	86.	84.	83.	79.	86.	82.	79.	80.
PCT SUN	55.	48.	41.	38.	35.	34.	36.	37.	41.	34.	39.	41.	40.
MEAN RAD.	470.	460.	440.	420.	390.	370.	390.	410.	440.	390.	400.	400.	415.
PRECIP.	48.	41.	72.	137.	108.	88.	54.	57.	79.	142.	107.	70.	1003.
POT ET	126.	112.	119.	109.	105.	95.	104.	110.	114.	103.	102.	107.	1308.
DEF PREC	78.	72.	47.	-28.	-3.	8.	50.	53.	35.	-39.	-4.	37.	306.
DEP PREC	15.	9.	35.	90.	66.	49.	20.	23.	41.	94.	65.	34.	
MAI	0.12	0.08	0.30	0.83	0.63	0.51	0.20	0.21	0.36	0.91	0.63	0.32	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

SALAMINA		LAT 5 25 LON 75 30 1500. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.4	23.4	23.5	23.3	23.1	23.2	23.4	23.4	22.9	22.8	22.9	23.2
MEAN R.H.	66.	72.	80.	87.	87.	81.	83.	82.	73.	88.	82.	79.	80.
PCT SUN	52.	47.	40.	33.	32.	39.	37.	39.	47.	32.	38.	41.	40.
MEAN RAD.	450.	450.	430.	390.	375.	405.	400.	420.	470.	375.	390.	390.	412.
PRECIP.	89.	111.	120.	204.	227.	135.	91.	84.	162.	248.	220.	122.	1813.
POT ET	134.	120.	127.	112.	111.	115.	118.	124.	134.	110.	110.	114.	1428.
DEF PREC	45.	9.	7.	-92.	-116.	-20.	27.	40.	-28.	-138.	-110.	-8.	-384.
DEP PREC	50.	68.	76.	146.	166.	88.	51.	46.	111.	183.	160.	77.	
MAI	0.37	0.57	0.60	1.31	1.50	0.77	0.44	0.37	0.83	1.67	1.45	0.68	

SALAZAR		LAT 7 44 LON 72 40 1000. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.7	21.1	21.6	21.6	22.1	21.9	21.8	22.2	22.3	21.7	21.3	20.9	21.6
MEAN R.H.	46.	67.	76.	86.	76.	74.	75.	79.	73.	79.	78.	58.	72.
PCT SUN	66.	52.	44.	34.	44.	46.	45.	41.	47.	41.	42.	58.	47.
MEAN RAD.	490.	460.	450.	400.	450.	450.	450.	440.	470.	420.	400.	450.	444.
PRECIP.	111.	124.	125.	282.	313.	146.	96.	139.	229.	491.	504.	260.	2820.
POT ET	135.	116.	127.	109.	129.	124.	128.	126.	131.	119.	108.	125.	1477.
DEF PREC	24.	-8.	2.	-173.	-184.	-22.	32.	-13.	-98.	-372.	-396.	-135.	-1343.
DEP PREC	68.	79.	80.	212.	239.	98.	56.	92.	167.	387.	398.	193.	
MAI	0.50	0.68	0.63	1.94	1.85	0.79	0.44	0.73	1.28	3.25	3.68	1.55	

SAN JERONIMO		LAT 6 26 LON 75 44 703. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.4	25.8	25.2	24.8	24.7	24.4	25.0	24.4	24.9	24.5	24.8	24.9
MEAN R.H.	64.	69.	72.	77.	77.	75.	76.	74.	75.	84.	79.	76.	75.
PCT SUN	54.	50.	48.	43.	43.	45.	44.	46.	45.	36.	41.	44.	45.
MEAN RAD.	450.	460.	470.	450.	440.	440.	440.	460.	460.	400.	400.	400.	439.
PRECIP.	25.	45.	43.	98.	163.	109.	88.	90.	120.	174.	129.	50.	1134.
POT ET	139.	129.	147.	135.	135.	130.	133.	141.	135.	123.	118.	122.	1588.
DEF PREC	114.	84.	105.	37.	-28.	21.	46.	52.	15.	-51.	-11.	72.	454.
DEP PREC	0.	13.	11.	57.	112.	67.	49.	51.	76.	121.	83.	17.	
MAI	0.00	0.10	0.07	0.43	0.83	0.51	0.37	0.36	0.56	0.99	0.71	0.14	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

SAN LUIS		LAT 6 1 LON 74 58 1258. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	24.2	24.1	24.3	24.0	23.9	24.0	24.1	24.1	23.7	23.5	23.6	24.0
MEAN R.H.	65.	69.	72.	77.	77.	75.	76.	74.	75.	84.	80.	76.	75.
PCT SUN	53.	50.	48.	43.	44.	45.	45.	46.	45.	36.	41.	44.	45.
MEAN RAD.	450.	460.	470.	450.	440.	440.	440.	460.	460.	400.	400.	400.	439.
PRECIP.	122.	149.	234.	344.	470.	257.	306.	307.	395.	543.	449.	300.	3876.
POT ET	136.	125.	142.	132.	132.	128.	132.	139.	134.	119.	115.	119.	1553.
DEF PREC	14.	-24.	-92.	-212.	-338.	-130.	-174.	-169.	-261.	-424.	-334.	-181.	-2323.
DEP PREC	77.	100.	172.	264.	370.	191.	232.	233.	307.	431.	352.	227.	
MAI	0.57	0.80	1.21	2.00	2.79	1.50	1.76	1.68	2.29	3.62	3.06	1.91	

SAN MARCOS		LAT 8 39 LON 75 10 41. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.1	27.9	27.8	28.0	27.8	27.6	27.7	27.8	27.8	27.4	27.3	27.3	27.7
MEAN R.H.	66.	60.	75.	77.	82.	81.	79.	77.	77.	83.	74.	63.	75.
PCT SUN	52.	57.	45.	43.	38.	39.	41.	43.	43.	38.	46.	55.	45.
MEAN RAD.	430.	480.	450.	450.	420.	420.	430.	450.	450.	400.	410.	430.	435.
PRECIP.	8.	19.	16.	62.	231.	214.	288.	287.	229.	195.	88.	36.	1673.
POT ET	142.	143.	148.	144.	138.	133.	141.	148.	143.	130.	129.	140.	1680.
DEF PREC	134.	124.	132.	82.	-93.	-81.	-147.	-139.	-86.	-65.	41.	104.	7.
DEP PREC	0.	0.	0.	27.	169.	155.	217.	216.	167.	139.	49.	5.	
MAI	0.00	0.00	0.00	0.19	1.22	1.16	1.54	1.46	1.17	1.07	0.38	0.04	

SANTANDER		LAT 3 1 LON 76 28 1112. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	23.9	23.9	23.7	23.8	23.9	23.8	23.9	23.8	24.2	23.5	24.2	23.9
MEAN R.H.	64.	72.	79.	82.	84.	86.	83.	81.	79.	86.	82.	80.	80.
PCT SUN	54.	48.	41.	38.	36.	34.	37.	40.	41.	33.	38.	40.	40.
MEAN RAD.	470.	460.	440.	420.	390.	370.	390.	420.	440.	390.	400.	400.	416.
PRECIP.	155.	130.	153.	201.	189.	81.	46.	53.	105.	267.	236.	192.	1798.
POT ET	141.	124.	132.	121.	117.	107.	117.	126.	127.	118.	115.	121.	1465.
DEF PREC	-14.	-6.	-21.	-80.	-72.	26.	71.	73.	22.	-149.	-121.	-61.	-332.
DEP PREC	105.	84.	103.	144.	134.	43.	14.	20.	63.	199.	173.	128.	
MAI	0.75	0.68	0.78	1.19	1.15	0.40	0.12	0.16	0.50	1.69	1.51	1.06	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

SEVILLA		LAT 4 17 LON 75 55 1550. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.4	19.4	19.6	19.3	19.4	19.2	19.6	19.7	19.5	18.8	18.7	19.1	19.3
MEAN R.H.	65.	73.	79.	85.	86.	83.	82.	85.	79.	86.	81.	79.	80.
PCT SUN	53.	46.	41.	35.	33.	37.	38.	35.	41.	34.	39.	42.	40.
MEAN RAD.	460.	450.	440.	400.	380.	390.	400.	400.	440.	390.	400.	400.	413.
PRECIP.	95.	105.	149.	279.	195.	160.	86.	86.	144.	271.	223.	153.	1946.
POT ET	122.	108.	118.	103.	101.	100.	107.	107.	114.	102.	101.	106.	1288.
DEF PREC	27.	3.	-31.	-176.	-94.	-60.	21.	21.	-30.	-169.	-122.	-47.	-658.
DEP PREC	55.	63.	100.	209.	139.	109.	47.	47.	96.	203.	162.	103.	
MAI	0.45	0.58	0.35	2.04	1.37	1.10	0.44	0.44	0.85	1.99	1.61	0.93	

SEVERA (LA)		LAT 6 15 LON 75 26 2219. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.2	21.2	21.3	21.1	20.9	21.1	21.2	21.2	20.7	20.6	20.7	21.0
MEAN R.H.	66.	72.	77.	86.	86.	78.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	55.	64.	109.	172.	201.	120.	125.	118.	162.	203.	182.	103.	1614.
POT ET	125.	114.	124.	108.	109.	114.	114.	120.	113.	106.	104.	110.	1362.
DEF PREC	70.	50.	15.	-63.	-92.	-6.	-11.	2.	-49.	-97.	-78.	7.	-252.
DEP PREC	21.	29.	67.	119.	144.	76.	80.	74.	111.	145.	128.	62.	
MAI	0.17	0.25	0.54	1.10	1.32	0.66	0.70	0.62	0.98	1.37	1.23	0.56	

SONSON		LAT 5 42 LON 75 18 2531. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.8	14.8	15.2	14.8	14.9	15.3	15.0	15.1	14.8	14.2	14.4	14.2	14.8
MEAN R.H.	71.	79.	84.	86.	85.	82.	83.	78.	83.	87.	85.	83.	82.
PCT SUN	48.	41.	36.	34.	34.	38.	37.	42.	38.	33.	35.	37.	38.
MEAN RAD.	430.	420.	410.	400.	390.	400.	400.	440.	420.	380.	370.	370.	403.
PRECIP.	85.	92.	125.	187.	253.	170.	154.	167.	214.	231.	201.	123.	2002.
POT ET	100.	88.	96.	90.	91.	91.	93.	103.	94.	87.	82.	84.	1100.
DEF PREC	15.	-4.	-29.	-97.	-162.	-79.	-60.	-64.	-120.	-144.	-119.	-39.	-901.
DEP PREC	46.	52.	80.	132.	188.	118.	104.	115.	155.	169.	144.	78.	
MAI	0.47	0.59	0.33	1.47	2.06	1.29	1.12	1.12	1.64	1.95	1.75	0.93	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

TAMBO (EL)		LAT 2 23 LON 76 43 1750. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.0	18.3	18.4	18.2	18.2	18.0	18.3	18.5	18.2	17.6	17.6	17.9	18.1
MEAN R.H.	62.	70.	79.	82.	84.	87.	83.	82.	79.	85.	83.	81.	80.
PCT SUN	56.	49.	41.	39.	36.	33.	37.	38.	41.	35.	38.	40.	40.
MEAN RAD.	480.	470.	440.	420.	390.	360.	390.	410.	440.	400.	400.	400.	417.
PRECIP.	140.	127.	152.	216.	151.	78.	44.	43.	99.	332.	321.	280.	1982.
POT ET	123.	109.	114.	105.	100.	89.	101.	106.	110.	101.	98.	102.	1258.
DEF PREC	-17.	-18.	-39.	-111.	-50.	11.	57.	63.	11.	-231.	-223.	-178.	-725.
DEP PREC	93.	82.	103.	156.	102.	41.	12.	11.	58.	254.	245.	210.	
MAI	0.75	0.75	0.90	1.49	1.01	0.45	0.12	0.10	0.53	2.51	2.50	2.06	

TIBACUY		LAT 4 21 LON 74 27 1525. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.1	19.3	19.4	19.1	19.1	18.7	18.8	19.2	19.5	18.9	18.6	18.8	19.0
MEAN R.H.	62.	73.	77.	84.	81.	80.	74.	73.	70.	77.	81.	78.	76.
PCT SUN	56.	47.	43.	36.	39.	41.	46.	47.	49.	43.	39.	42.	44.
MEAN RAD.	470.	450.	450.	410.	410.	410.	440.	460.	480.	440.	400.	400.	435.
PRECIP.	60.	70.	92.	129.	113.	68.	40.	34.	51.	191.	186.	99.	1123.
POT ET	124.	108.	120.	105.	108.	104.	115.	122.	124.	115.	101.	105.	1349.
DEF PREC	64.	39.	28.	-24.	-5.	36.	75.	88.	73.	-66.	-85.	6.	226.
DEP PREC	25.	34.	52.	83.	70.	32.	8.	4.	18.	127.	131.	58.	
MAI	0.20	0.31	0.44	0.80	0.65	0.31	0.07	0.03	0.14	1.10	1.30	0.56	

TRONCOS (LOS)		LAT 6 3 LON 75 29 2221. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.2	21.2	21.3	21.1	20.9	21.0	21.2	21.2	20.7	20.6	20.7	21.0
MEAN R.H.	66.	72.	77.	86.	86.	78.	82.	80.	83.	86.	82.	76.	79.
PCT SUN	52.	48.	43.	34.	34.	42.	39.	40.	38.	34.	39.	44.	40.
MEAN RAD.	445.	450.	445.	400.	390.	425.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	89.	102.	137.	209.	250.	156.	161.	147.	202.	250.	209.	131.	2043.
POT ET	125.	114.	124.	108.	109.	114.	114.	120.	113.	106.	104.	110.	1362.
DEF PREC	36.	11.	-13.	-101.	-141.	-42.	-47.	-27.	-89.	-144.	-105.	-21.	-681.
DEP PREC	50.	61.	90.	151.	185.	106.	110.	99.	145.	185.	151.	85.	
MAI	0.40	0.54	0.72	1.39	1.70	0.93	0.97	0.82	1.28	1.74	1.45	0.77	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

TUMACO		LAT 1 49 LON 78 45 3. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.2	28.0	27.9	28.1	27.9	27.7	27.8	27.9	27.9	27.5	27.4	27.4	27.8
MEAN R.H.	60.	68.	79.	78.	82.	85.	82.	80.	79.	85.	83.	81.	79.
PCT SUN	57.	51.	41.	42.	38.	35.	38.	40.	41.	35.	37.	39.	41.
MEAN RAD.	490.	480.	440.	440.	400.	370.	390.	420.	440.	400.	400.	400.	423.
PRECIP.	275.	227.	173.	259.	265.	336.	188.	66.	111.	107.	63.	76.	2146.
POT ET	163.	143.	145.	141.	132.	118.	128.	139.	140.	131.	126.	130.	1636.
DEF PREC	-112.	-84.	-28.	-118.	-133.	-219.	-60.	72.	29.	24.	63.	55.	-510.
DEP PREC	206.	166.	120.	193.	198.	257.	133.	30.	68.	65.	28.	39.	
MAI	1.27	1.16	0.83	1.37	1.50	2.19	1.04	0.22	0.49	0.50	0.22	0.30	

TURBO		LAT 8 7 LON 76 43 2. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.2	28.0	27.9	28.1	27.9	27.7	27.8	27.9	27.9	27.5	27.4	27.4	27.8
MEAN R.H.	67.	61.	76.	77.	82.	80.	79.	77.	77.	83.	75.	64.	75.
PCT SUN	51.	57.	44.	43.	39.	40.	41.	43.	43.	37.	45.	54.	45.
MEAN RAD.	430.	480.	450.	450.	420.	420.	430.	450.	450.	400.	410.	430.	435.
PRECIP.	91.	81.	56.	227.	254.	207.	232.	220.	249.	269.	268.	221.	2375.
POT ET	143.	143.	148.	144.	138.	133.	141.	148.	144.	131.	129.	140.	1684.
DEF PREC	52.	62.	93.	-83.	-116.	-74.	-90.	-72.	-105.	-138.	-139.	-81.	-690.
DEP PREC	51.	43.	22.	166.	188.	149.	170.	160.	184.	201.	200.	161.	
MAI	0.36	0.30	0.15	1.15	1.36	1.12	1.20	1.08	1.28	1.54	1.55	1.14	

UBATE		LAT 5 19 LON 73 49 2601. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.4	14.8	15.7	15.3	14.9	14.2	14.1	14.1	14.4	14.5	14.6	14.5	14.6
MEAN R.H.	69.	75.	79.	87.	84.	82.	79.	85.	79.	84.	80.	75.	80.
PCT SUN	50.	45.	42.	33.	36.	38.	41.	35.	41.	36.	40.	45.	40.
MEAN RAD.	440.	440.	440.	390.	400.	400.	420.	400.	440.	400.	400.	410.	415.
PRECIP.	33.	46.	73.	81.	83.	58.	35.	31.	56.	124.	95.	41.	756.
POT ET	101.	92.	105.	89.	93.	88.	95.	91.	98.	92.	89.	94.	1128.
DEF PREC	68.	46.	32.	8.	10.	30.	60.	60.	42.	-32.	-6.	53.	372.
DEP PREC	3.	14.	36.	43.	45.	24.	4.	1.	22.	79.	55.	9.	
MAI	0.03	0.15	0.34	0.48	0.48	0.27	0.05	0.01	0.22	0.86	0.61	0.10	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

UNION (LA)					LAT 1 34 LON 77 9			1400. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	23.7	23.7	23.8	23.6	23.4	23.6	23.7	23.7	23.2	23.1	23.2	23.6
MEAN R.H.	60.	68.	79.	78.	82.	85.	82.	80.	79.	85.	83.	81.	79.
PCT SUN	57.	51.	41.	43.	39.	35.	38.	40.	41.	34.	37.	39.	41.
MEAN RAD.	490.	480.	440.	440.	400.	370.	390.	420.	440.	400.	400.	400.	423.
PRECIP.	148.	117.	149.	229.	143.	125.	36.	37.	76.	276.	298.	212.	1847.
POT ET	147.	129.	131.	127.	119.	106.	116.	125.	127.	118.	114.	118.	1477.
DEF PREC	-1.	12.	-18.	-102.	-24.	-19.	80.	88.	51.	-158.	-184.	-95.	-370.
DEP PREC	99.	73.	100.	167.	95.	80.	5.	6.	39.	207.	225.	153.	
MAI	0.68	0.57	0.76	1.31	0.80	0.75	0.05	0.05	0.31	1.76	1.98	1.30	

VASCONIA					LAT 6 12 LON 75 27			2556. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.4	20.2	20.1	20.3	20.1	19.9	20.0	20.1	20.1	19.7	19.6	19.6	20.0
MEAN R.H.	66.	72.	73.	86.	86.	77.	82.	80.	83.	86.	81.	76.	79.
PCT SUN	52.	48.	42.	34.	34.	43.	39.	40.	38.	34.	39.	44.	41.
MEAN RAD.	445.	450.	440.	400.	390.	430.	410.	430.	420.	385.	390.	400.	416.
PRECIP.	70.	99.	149.	219.	276.	147.	145.	142.	186.	281.	231.	157.	2102.
POT ET	122.	111.	120.	106.	106.	112.	111.	117.	110.	103.	101.	107.	1325.
DEF PREC	52.	12.	-30.	-113.	-170.	-35.	-34.	-25.	-76.	-178.	-130.	-50.	-777.
DEP PREC	34.	58.	100.	159.	207.	99.	97.	94.	131.	211.	169.	107.	
MAI	0.28	0.53	0.84	1.50	1.96	0.88	0.87	0.81	1.19	2.04	1.67	1.00	

VILLAHERMOSA					LAT 6 15 LON 75 31			1723. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	22.7	22.7	22.8	22.6	22.5	22.6	22.7	22.7	22.2	22.1	22.2	22.6
MEAN R.H.	66.	72.	76.	86.	86.	77.	82.	80.	83.	87.	81.	76.	79.
PCT SUN	52.	48.	44.	34.	34.	43.	39.	40.	38.	33.	39.	44.	41.
MEAN RAD.	445.	450.	450.	400.	390.	430.	410.	430.	420.	380.	390.	400.	416.
PRECIP.	36.	59.	78.	165.	181.	99.	108.	109.	134.	167.	145.	92.	1373.
POT ET	130.	118.	131.	113.	113.	120.	119.	125.	118.	109.	108.	115.	1419.
DEF PREC	94.	59.	53.	-52.	-69.	21.	11.	16.	-16.	-58.	-37.	23.	46.
DEP PREC	5.	24.	41.	114.	127.	58.	66.	67.	88.	115.	97.	52.	
MAI	0.04	0.21	0.31	1.01	1.12	0.48	0.55	0.53	0.74	1.06	0.90	0.46	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

VILLAVO		LAT 4 9 LON 73 34 423. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.9	26.7	26.7	26.8	26.6	26.4	26.5	26.7	26.7	26.2	26.1	26.2	26.5
MEAN R.H.	68.	73.	82.	88.	86.	82.	80.	82.	83.	90.	83.	79.	81.
PCT SUN	51.	46.	39.	31.	33.	38.	40.	38.	37.	29.	37.	42.	38.
MEAN RAD.	450.	450.	420.	380.	380.	395.	410.	415.	420.	360.	390.	400.	406.
PRECIP.	32.	118.	205.	456.	625.	426.	393.	265.	259.	472.	381.	211.	3843.
POT ET	145.	130.	134.	118.	121.	122.	131.	133.	130.	114.	119.	127.	1525.
DEF PREC	113.	12.	-71.	-338.	-504.	-304.	-262.	-132.	-129.	-358.	-262.	-85.	-2318.
DEP PREC	2.	74.	147.	358.	500.	333.	305.	198.	193.	371.	295.	152.	
MAI	0.01	0.57	1.09	3.03	4.12	2.73	2.33	1.49	1.49	3.26	2.47	1.20	

VILLETÀ		LAT 5 1 LON 74 29 760. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.0	24.5	25.1	25.0	25.1	25.4	25.2	25.4	24.7	24.4	24.4	24.9
MEAN R.H.	67.	67.	79.	87.	84.	82.	81.	85.	79.	86.	81.	78.	79.
PCT SUN	52.	51.	42.	33.	36.	38.	39.	35.	41.	34.	40.	43.	40.
MEAN RAD.	450.	470.	440.	390.	400.	400.	410.	400.	440.	390.	400.	400.	416.
PRECIP.	90.	140.	144.	187.	189.	107.	49.	31.	114.	312.	185.	100.	1648.
POT ET	138.	131.	134.	116.	123.	119.	127.	124.	132.	119.	117.	121.	1502.
DEF PREC	48.	-9.	-10.	-71.	-66.	12.	78.	93.	18.	-193.	-68.	21.	-146.
DEP PREC	51.	93.	96.	132.	134.	65.	16.	1.	71.	237.	130.	59.	
MAI	0.37	0.71	0.72	1.13	1.09	0.54	0.13	0.01	0.53	1.99	1.11	0.49	

VACOPI		LAT 5 50 LON 74 21 1053. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	24.8	24.7	24.9	24.7	24.5	24.6	24.7	24.7	24.3	24.2	24.2	24.6
MEAN R.H.	65.	69.	71.	77.	77.	73.	75.	74.	75.	84.	78.	77.	75.
PCT SUN	53.	50.	49.	43.	44.	47.	45.	46.	45.	36.	43.	44.	45.
MEAN RAD.	450.	460.	475.	450.	440.	445.	440.	460.	460.	400.	410.	400.	441.
PRECIP.	130.	150.	215.	355.	337.	199.	133.	140.	193.	316.	271.	156.	2594.
POT ET	138.	127.	145.	134.	134.	131.	134.	141.	136.	121.	120.	121.	1582.
DEF PREC	9.	-23.	-70.	-221.	-202.	-68.	1.	1.	-57.	-195.	-151.	-35.	-1012.
DEP PREC	84.	101.	156.	273.	258.	142.	87.	93.	137.	240.	202.	106.	
MAI	0.61	0.80	1.07	2.04	1.92	1.08	0.65	0.66	1.01	1.99	1.69	0.88	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COLOMBIA

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	VOLOMBO			LAT 6 36			LON 75 3			1541. METERS			
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.3	23.2	23.4	23.2	23.0	23.1	23.2	23.2	22.8	22.7	22.7	23.1
MEAN R.H.	64.	74.	77.	86.	87.	78.	82.	80.	83.	85.	82.	76.	79.
PCT SUN	54.	46.	43.	34.	33.	42.	38.	40.	38.	35.	38.	44.	40.
MEAN RAD.	450.	440.	445.	400.	385.	425.	410.	430.	420.	390.	385.	400.	415.
PRECIP.	79.	128.	102.	290.	421.	221.	178.	259.	364.	412.	299.	156.	2909.
POT ET	134.	117.	131.	114.	113.	120.	120.	127.	120.	114.	108.	115.	1435.
DEF PREC	55.	-11.	29.	-176.	-308.	-101.	-58.	-132.	-244.	-298.	-191.	-40.	-1474.
DEP PREC	41.	83.	61.	219.	329.	161.	125.	193.	281.	321.	226.	106.	
MAI	0.31	0.70	0.46	1.91	2.90	1.33	1.03	1.52	2.35	2.83	2.09	0.91	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR COSTA RICA

ACOSTA		LAT 9 46 LON 84 8 1095. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	23.3	24.4	25.0	24.4	23.3	23.9	23.3	22.8	22.8	22.2	22.2	23.4
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	11.	61.	50.	65.	261.	354.	224.	244.	436.	460.	173.	17.	2356.
POT ET	131.	131.	164.	152.	146.	100.	129.	118.	124.	122.	131.	121.	1567.
DEF PREC	120.	70.	114.	87.	-115.	-254.	-95.	-126.	-312.	-338.	-42.	104.	-789.
DEP PREC	0.	28.	19.	32.	196.	274.	165.	182.	343.	363.	122.	0.	
MAI	0.00	0.22	0.12	0.21	1.35	2.75	1.28	1.54	2.77	2.97	0.94	0.00	

AGUA BUENA		LAT 8 44 LON 82 55 305. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.7	26.8	27.4	26.8	25.7	26.3	25.7	25.2	25.2	24.6	24.6	25.8
PCT SUN	55.	57.	63.	57.	44.	26.	37.	34.	41.	40.	55.	55.	47.
MEAN RAD.	440.	480.	535.	520.	450.	340.	410.	400.	440.	410.	450.	430.	442.
PRECIP.	53.	30.	68.	115.	362.	393.	319.	330.	452.	588.	286.	137.	3132.
POT ET	136.	136.	172.	164.	145.	103.	130.	125.	132.	127.	133.	131.	1633.
DEF PREC	83.	106.	104.	49.	-217.	-290.	-189.	-205.	-321.	-461.	-153.	-6.	-1499.
DEP PREC	21.	2.	34.	73.	281.	307.	245.	255.	357.	471.	217.	92.	
MAI	0.16	0.01	0.20	0.45	1.94	2.98	1.88	2.03	2.71	3.72	1.64	0.70	

ALAJUELA		LAT 10 2 LON 84 12 941. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	22.1	22.8	23.1	22.8	22.7	22.2	22.4	22.0	21.8	21.8	21.7	22.3
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	19.	7.	21.	56.	352.	360.	212.	258.	423.	439.	177.	49.	2374.
POT ET	130.	127.	160.	148.	137.	98.	129.	115.	124.	128.	132.	125.	1553.
DEF PREC	111.	120.	139.	92.	-215.	-261.	-83.	-143.	-299.	-312.	-45.	76.	-821.
DEP PREC	0.	0.	0.	24.	273.	279.	155.	194.	333.	346.	126.	18.	
MAI	0.00	0.00	0.00	0.16	1.99	2.84	1.20	1.68	2.68	2.71	0.95	0.14	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

ALTO DE OCHOMOGO				LAT 9 53 LON 83 57 1491. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.9	18.6	19.1	20.0	19.8	19.1	19.7	19.6	19.5	19.1	18.7	19.1	19.3
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	7.	4.	6.	36.	198.	291.	157.	142.	335.	385.	148.	40.	1750.
POT ET	118.	115.	143.	134.	129.	89.	115.	107.	114.	111.	119.	111.	1404.
DEF PREC	111.	111.	136.	98.	-69.	-202.	-42.	-35.	-221.	-274.	-29.	71.	-345.
DEP PREC	0.	0.	0.	7.	143.	222.	109.	96.	258.	300.	101.	10.	
MAI	0.00	0.00	0.00	0.05	1.11	2.48	0.94	0.90	2.28	2.71	0.85	0.09	

ARGENTINA GRECIA				LAT 10 2 LON 84 21 825. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.0	23.7	24.4	24.1	23.3	23.9	23.7	23.8	23.8	24.3	23.6	23.9
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	6.	5.	10.	46.	300.	324.	260.	262.	349.	422.	153.	44.	2181.
POT ET	141.	133.	164.	153.	142.	100.	135.	119.	130.	134.	140.	131.	1622.
DEF PREC	135.	128.	154.	107.	-158.	-224.	-125.	-143.	-219.	-287.	-12.	87.	-559.
DFP PREC	0.	0.	0.	16.	229.	249.	195.	197.	270.	331.	105.	14.	
MAI	0.00	0.00	0.00	0.10	1.62	2.50	1.45	1.65	2.08	2.46	0.75	0.11	

ATENAS													
LAT 9 58 LON 84 23 212. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.9	24.8	25.0	24.7	24.0	23.7	23.9	23.4	23.0	22.8	22.6	23.7
PCT SUN	59.	64.	67.	56.	49.	26.	44.	32.	42.	46.	63.	60.	51.
MEAN RAD.	450.	500.	550.	515.	480.	345.	450.	390.	440.	440.	475.	440.	456.
PRECIP.	13.	7.	14.	36.	277.	230.	194.	208.	258.	234.	100.	27.	1596.
POT ET	132.	135.	168.	153.	147.	100.	134.	117.	126.	129.	134.	128.	1603.
DEF PREC	119.	128.	155.	117.	-130.	-129.	-60.	-91.	-132.	-105.	34.	101.	7.
DFP PREC	0.	0.	0.	7.	209.	170.	140.	152.	194.	173.	61.	0.	
MAT	0.00	0.00	0.00	0.05	1.43	1.69	1.04	1.30	1.54	1.35	0.46	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

AVANCE		LAT 9 56 LON 83 55 570. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.0	17.1	17.3	17.7	17.7	17.5	17.1	17.3	17.5	17.1	16.4	16.4	17.1
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	20.	15.	9.	38.	398.	415.	231.	288.	545.	500.	309.	116.	2883.
POT ET	108.	110.	135.	125.	122.	85.	107.	100.	107.	105.	111.	102.	1318.
DEF PREC	89.	95.	126.	87.	-276.	-329.	-124.	-188.	-437.	-395.	-198.	-14.	-1564.
DEP PREC	0.	0.	0.	9.	311.	325.	171.	219.	434.	397.	237.	75.	
MAI	0.00	0.00	0.00	0.07	2.55	3.81	1.60	2.19	4.05	3.79	2.13	0.73	

BARRA DEL COLORADO		LAT 10 44 LON 83 35 3. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	61.	67.	70.	55.	43.	26.	34.	33.	44.	43.	58.	58.	49.
MEAN RAD.	450.	510.	560.	510.	450.	350.	400.	400.	450.	420.	450.	430.	448.
PRECIP.	591.	276.	161.	248.	446.	540.	781.	739.	354.	472.	582.	931.	6121.
POT ET	142.	147.	184.	164.	148.	108.	130.	128.	138.	133.	136.	134.	1693.
DEF PREC	-449.	-129.	23.	-84.	-298.	-432.	-651.	-611.	-216.	-339.	-446.	-797.	-4428.
DEP PREC	473.	209.	112.	185.	352.	431.	633.	598.	274.	373.	466.	759.	
MAI	3.33	1.42	0.61	1.13	2.38	3.97	4.88	4.67	1.99	2.81	3.43	5.66	

BARTOLO		LAT 9 25 LON 84 6 3. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	56.	63.	67.	57.	45.	27.	38.	32.	43.	44.	58.	61.	49.
MEAN RAD.	440.	500.	550.	520.	460.	350.	420.	398.	450.	430.	460.	450.	452.
PRECIP.	76.	17.	31.	126.	459.	448.	468.	435.	401.	747.	448.	200.	3856.
POT ET	139.	145.	181.	167.	151.	108.	136.	125.	138.	136.	139.	140.	1705.
DEF PREC	63.	127.	149.	41.	-308.	-340.	-332.	-311.	-263.	-611.	-309.	-60.	-2151.
DEP PREC	41.	0.	3.	83.	362.	353.	370.	343.	314.	604.	353.	145.	
MAI	0.29	0.00	0.02	0.49	2.40	3.26	2.72	2.75	2.28	4.44	2.54	1.03	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR COSTA RICA

REFVERLY													
LAT 9 54 LON 83 5 22. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	59.	64.	67.	55.	43.	25.	35.	34.	40.	42.	57.	59.	48.
MEAN RAD.	450.	500.	550.	510.	450.	340.	400.	400.	430.	420.	450.	440.	445.
PRECIP.	233.	181.	148.	185.	255.	203.	282.	258.	82.	170.	316.	410.	2723.
POT ET	142.	144.	181.	164.	148.	105.	130.	128.	131.	133.	136.	137.	1678.
DEF PREC	-91.	-37.	32.	-21.	-107.	-98.	-152.	-130.	49.	-37.	-180.	-273.	-1045.
DEF PPREC	173.	129.	101.	132.	191.	147.	214.	194.	46.	120.	242.	321.	
MAI	1.22	0.89	0.56	0.81	1.29	1.40	1.65	1.52	0.35	0.90	1.79	2.34	

BRISTOL													
LAT 10 1 LON 83 14 32. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	59.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	62.	50.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	266.	210.	157.	222.	291.	279.	330.	272.	116.	223.	350.	398.	3114.
POT ET	142.	141.	184.	165.	151.	108.	139.	125.	134.	142.	142.	140.	1714.
DEF PREC	-124.	-69.	27.	-57.	-140.	-171.	-191.	-147.	18.	-81.	-208.	-258.	-1401.
DEF PPREC	200.	153.	109.	163.	222.	211.	254.	206.	75.	164.	271.	311.	
MAI	1.41	1.09	0.59	0.99	1.47	1.95	1.82	1.65	0.55	1.16	1.91	2.22	

BUENAVISTA													
LAT 10 17 LON 84 28 1090. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.1	18.5	19.5	20.1	20.2	19.7	19.2	19.4	19.8	19.0	18.7	18.1	19.2
PCT SUN	63.	64.	68.	57.	47.	27.	42.	34.	44.	47.	60.	58.	51.
MEAN RAD.	460.	500.	550.	520.	470.	350.	440.	400.	450.	440.	460.	430.	456.
PRECIP.	103.	61.	32.	37.	273.	409.	344.	350.	371.	450.	346.	314.	3090.
POT ET	118.	117.	147.	137.	128.	91.	116.	106.	117.	116.	116.	110.	1420.
DEF PREC	15.	56.	115.	100.	-145.	-318.	-227.	-244.	-254.	-334.	-230.	-204.	-1670.
DEF PPREC	64.	28.	4.	8.	206.	321.	266.	271.	289.	355.	268.	241.	
MAI	0.54	0.24	0.03	0.06	1.61	3.53	2.28	2.55	2.47	3.07	2.30	2.18	

CAIRO		LAT 10 7 LON 83 31 94. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.4	23.6	24.0	23.8	24.8	24.3	24.6	24.6	24.2	22.6	22.1	23.8
PCT SUN	60.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	63.	50.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	284.	218.	161.	214.	382.	369.	408.	271.	203.	334.	395.	432.	3671.
POT ET	132.	131.	167.	150.	137.	104.	130.	119.	130.	136.	132.	129.	1596.
DEF PREC	-152.	-87.	6.	-64.	-245.	-265.	-278.	-152.	-73.	-198.	-263.	-303.	-2075.
DEP PREC	216.	160.	112.	157.	298.	287.	320.	205.	147.	258.	309.	340.	
MAI	1.63	1.22	0.67	1.05	2.17	2.77	2.46	1.72	1.14	1.90	2.34	2.64	

CANAS		LAT 10 25 LON 85 7 29. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.8	29.0	28.6	28.7	28.2	27.8	27.6	27.6	27.6	27.0	27.2	26.9	27.8
PCT SUN	63.	64.	68.	57.	47.	28.	43.	34.	44.	49.	71.	63.	53.
MEAN RAD.	460.	500.	550.	520.	470.	360.	450.	400.	450.	450.	500.	450.	463.
PRECIP.	2.	2.	2.	32.	231.	298.	187.	196.	410.	404.	91.	8.	1864.
POT ET	151.	153.	184.	169.	156.	115.	147.	131.	143.	145.	157.	145.	1795.
DEF PREC	149.	151.	183.	137.	-75.	-184.	-40.	-65.	-268.	-259.	66.	136.	-68.
DEP PREC	0.	0.	0.	4.	171.	227.	134.	141.	322.	317.	54.	0.	
MAI	0.00	0.00	0.00	0.02	1.10	1.99	0.91	1.08	2.25	2.18	0.34	0.00	

CARACOL		LAT 8 40 LON 83 1 33. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	55.	57.	63.	57.	44.	26.	37.	34.	41.	40.	55.	55.	47.
MEAN RAD.	440.	480.	535.	520.	450.	340.	410.	400.	440.	410.	450.	430.	442.
PRECIP.	176.	104.	193.	305.	592.	627.	600.	691.	672.	917.	589.	287.	5753.
POT ET	139.	138.	175.	167.	148.	105.	133.	128.	134.	129.	136.	134.	1666.
DEF PREC	-37.	35.	-18.	-138.	-444.	-522.	-467.	-563.	-538.	-788.	-453.	-153.	-4087.
DEP PREC	125.	64.	139.	233.	474.	504.	481.	557.	542.	747.	472.	218.	
MAI	0.90	0.46	0.79	1.40	3.21	4.79	3.62	4.36	4.03	5.78	3.48	1.63	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

CACHI													
LAT 9 49 LON 83 49 1018. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.6	24.7	25.2	24.7	23.6	24.1	23.6	23.0	23.0	22.4	22.4	23.6
PCT SUN	52.	61.	67.	57.	45.	27.	42.	35.	44.	48.	62.	57.	50.
MEAN RAD.	420.	490.	550.	520.	460.	350.	440.	410.	450.	450.	470.	430.	453.
PRECIP.	105.	55.	49.	68.	223.	285.	252.	186.	257.	249.	172.	158.	2059.
POT ET	123.	132.	168.	156.	140.	101.	133.	122.	127.	132.	131.	124.	1588.
DEF PREC	18.	76.	119.	88.	-83.	-184.	-119.	-64.	-130.	-117.	-41.	-34.	-471.
DEP PREC	65.	23.	18.	34.	164.	216.	189.	133.	193.	186.	121.	110.	
MAI	0.53	0.18	0.11	0.22	1.17	2.15	1.42	1.09	1.51	1.41	0.92	0.88	

CIUDAD GUESADA													
LAT 10 17 LON 84 26 200. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	22.0	25.3	26.3	23.8	23.4	22.8	23.2	23.6	23.4	22.6	22.1	23.3
PCT SUN	63.	62.	68.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	321.	233.	98.	72.	357.	463.	523.	498.	517.	494.	557.	520.	4653.
POT ET	130.	126.	171.	160.	140.	100.	131.	118.	130.	133.	135.	126.	1600.
DEF PREC	-191.	-107.	73.	88.	-216.	-363.	-392.	-380.	-388.	-361.	-422.	-394.	-3053.
DEP PREC	247.	173.	59.	37.	277.	366.	417.	395.	411.	392.	445.	414.	
MAI	1.89	1.37	0.35	0.23	1.97	3.65	3.18	3.36	3.17	2.95	3.30	3.29	

COCO (EL)													
LAT 9 59 LON 84 13 920. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	22.7	23.9	23.9	23.2	22.7	22.3	22.5	22.0	22.1	22.2	22.1	22.6
PCT SUN	59.	64.	67.	56.	49.	26.	44.	32.	42.	46.	63.	60.	51.
MEAN RAD.	450.	500.	550.	515.	480.	345.	450.	390.	440.	440.	475.	440.	456.
PRECIP.	4.	16.	17.	45.	265.	252.	191.	183.	320.	347.	138.	25.	1803.
POT ET	129.	131.	165.	149.	141.	97.	129.	113.	122.	126.	132.	126.	1560.
DEF PREC	125.	115.	148.	104.	-124.	-155.	-62.	-70.	-198.	-221.	-6.	101.	-242.
DEP PREC	0.	0.	0.	15.	200.	189.	137.	131.	246.	268.	93.	0.	
MAI	0.00	0.00	0.00	0.10	1.41	1.94	1.06	1.16	2.02	2.13	0.70	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

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COLORADO		LAT 8 33		LON 82 57		6. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.8	28.3	27.8	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	55.	57.	63.	57.	44.	26.	37.	34.	41.	39.	55.	54.	47.
MEAN RAD.	440.	480.	535.	520.	450.	340.	410.	400.	440.	410.	450.	430.	442.
PRECIP.	66.	65.	101.	196.	410.	455.	560.	507.	532.	630.	475.	169.	4166.
POT ET	139.	139.	176.	167.	148.	105.	133.	128.	135.	130.	136.	134.	1669.
DEF PREC	73.	74.	75.	-29.	-262.	-350.	-427.	-379.	-397.	-500.	-339.	-35.	-2497.
DEP PREC	32.	32.	62.	142.	321.	359.	447.	403.	424.	506.	376.	119.	
MAI	0.23	0.23	0.35	0.85	2.17	3.41	3.36	3.15	3.15	3.91	2.77	0.89	

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CONTE ARRIBA		LAT 8 27		LON 83 3		50. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.6	28.2	27.6	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	47.	57.	64.	55.	46.	27.	41.	34.	41.	39.	57.	57.	47.
MEAN RAD.	410.	480.	540.	510.	460.	350.	430.	400.	440.	410.	460.	440.	444.
PRECIP.	45.	59.	64.	99.	278.	304.	309.	322.	297.	468.	372.	87.	2704.
POT ET	129.	138.	177.	164.	151.	108.	139.	128.	134.	129.	138.	137.	1672.
DEF PREC	84.	79.	113.	65.	-127.	-196.	-170.	-194.	-163.	-339.	-234.	50.	-1032.
DEP PREC	15.	26.	31.	60.	210.	232.	237.	248.	226.	370.	290.	50.	
MAI	0.11	0.19	0.17	0.37	1.40	2.15	1.70	1.94	1.69	2.87	2.09	0.37	

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CORONADO		LAT 9 59		LON 84 0		1382. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	22.0	23.6	24.1	23.6	22.4	23.0	22.4	21.9	21.9	21.3	21.3	22.5
PCT SUN	59.	64.	67.	56.	49.	26.	44.	32.	42.	46.	63.	60.	51.
MEAN RAD.	450.	500.	550.	515.	480.	345.	450.	390.	440.	440.	475.	440.	456.
PRECIP.	50.	32.	24.	49.	261.	314.	256.	251.	364.	365.	180.	75.	2221.
POT ET	128.	130.	163.	150.	143.	96.	132.	113.	121.	125.	129.	123.	1554.
DEF PREC	78.	98.	140.	101.	-118.	-218.	-124.	-138.	-243.	-240.	-51.	48.	-667.
DEP PREC	19.	4.	0.	18.	196.	241.	192.	188.	283.	284.	128.	40.	
MAI	0.15	0.03	0.00	0.12	1.38	2.50	1.46	1.67	2.33	2.26	1.00	0.32	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

CORREDOR		LAT 8 39 LON 82 57 32. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	55.	57.	63.	57.	38.	26.	37.	34.	41.	40.	55.	55.	46.
MEAN RAD.	440.	480.	535.	520.	420.	340.	410.	400.	440.	410.	450.	430.	440.
PRECIP.	115.	67.	140.	284.	600.	666.	669.	704.	680.	849.	609.	218.	5601.
POT ET	139.	138.	175.	167.	138.	105.	133.	128.	134.	129.	136.	134.	1657.
DEF PREC	24.	71.	36.	-117.	-462.	-561.	-536.	-576.	-546.	-720.	-473.	-84.	-3945.
DEF PREC	74.	33.	95.	216.	481.	536.	539.	568.	548.	690.	489.	160.	
MAI	0.53	0.24	0.54	1.29	3.49	5.10	4.06	4.45	4.08	5.34	3.60	1.20	

COTO 26		LAT 8 32 LON 83 3 1. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.6	25.6	26.7
PCT SUN	54.	57.	63.	57.	38.	26.	37.	36.	41.	39.	55.	54.	47.
MEAN RAD.	440.	480.	535.	520.	420.	340.	410.	410.	440.	410.	450.	430.	440.
PRECIP.	99.	50.	69.	135.	308.	323.	313.	343.	322.	558.	335.	139.	2994.
POT ET	139.	139.	176.	167.	138.	105.	133.	131.	135.	130.	136.	134.	1663.
DEF PREC	40.	89.	107.	32.	-170.	-217.	-180.	-212.	-187.	-428.	-199.	-5.	-1331.
DEF PREC	60.	19.	35.	91.	236.	248.	240.	265.	247.	446.	258.	94.	
MAI	0.43	0.14	0.20	0.54	1.71	2.35	1.80	2.02	1.84	3.44	1.90	0.70	

CURRIDABIT		LAT 9 53 LON 84 1 1240. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.9	24.0	24.5	24.0	22.9	23.4	22.9	22.3	22.3	21.8	21.8	22.9
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	4.	11.	3.	46.	264.	352.	280.	256.	398.	382.	176.	42.	2214.
POT ET	130.	129.	162.	150.	144.	99.	127.	117.	123.	121.	129.	119.	1550.
DEF PREC	125.	118.	159.	104.	-120.	-253.	-153.	-139.	-275.	-261.	-47.	77.	-664.
DEF PREC	0.	0.	0.	16.	199.	273.	212.	192.	311.	298.	125.	12.	
MAI	0.00	0.00	0.00	0.10	1.38	2.76	1.67	1.65	2.54	2.46	0.97	0.10	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

CHASE	LAT 9 37 LON 82 51 40. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	46.	61.	62.	57.	43.	27.	38.	34.	44.	44.	56.	59.	48.
MEAN RAD.	400.	490.	530.	520.	450.	350.	420.	400.	450.	430.	450.	440.	444.
PRECIP.	188.	118.	144.	126.	206.	190.	242.	182.	61.	113.	246.	242.	2058.
POT ET	126.	141.	174.	167.	148.	108.	136.	128.	137.	136.	136.	137.	1673.
DEF PREC	-62.	23.	30.	41.	-58.	-82.	-106.	-54.	76.	23.	-111.	-105.	-386.
DEF PREC	135.	76.	98.	83.	150.	137.	180.	130.	28.	72.	184.	180.	
MAI	1.07	0.54	0.56	0.50	1.02	1.26	1.33	1.02	0.21	0.53	1.36	1.32	

DIAMANTES (LOS)	LAT 10 13 LON 83 46 300. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.8	26.9	27.4	26.9	25.8	26.3	25.8	25.2	25.2	24.6	24.6	25.8
PCT SUN	60.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	63.	51.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	285.	194.	164.	224.	447.	462.	472.	332.	286.	404.	466.	525.	4261.
POT ET	139.	139.	180.	163.	148.	106.	137.	122.	132.	139.	139.	137.	1680.
DEF PREC	-146.	-55.	16.	-62.	-299.	-356.	-335.	-210.	-154.	-265.	-327.	-388.	-2581.
DEF PREC	216.	140.	115.	165.	353.	365.	373.	256.	217.	316.	369.	418.	
MAI	1.56	1.01	0.64	1.02	2.38	3.44	2.73	2.09	1.65	2.28	2.66	3.05	

ESPARTA	LAT 9 59 LON 84 40 225. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	27.3	28.8	28.7	26.7	26.7	25.9	25.7	25.8	25.3	25.3	25.7	26.5
PCT SUN	59.	64.	67.	56.	49.	26.	44.	32.	42.	46.	63.	60.	51.
MEAN RAD.	450.	500.	550.	515.	480.	345.	450.	390.	440.	440.	475.	440.	456.
PRECIP.	5.	8.	1.	59.	242.	319.	346.	308.	351.	410.	192.	21.	2262.
POT ET	143.	147.	185.	167.	154.	107.	142.	122.	134.	136.	143.	138.	1717.
DEF PREC	138.	139.	184.	108.	-88.	-212.	-204.	-186.	-217.	-273.	-49.	117.	-545.
DEF PREC	0.	0.	0.	26.	180.	245.	268.	236.	272.	321.	138.	0.	
MAI	0.00	0.00	0.00	0.16	1.17	2.29	1.89	1.93	2.04	2.36	0.97	0.00	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

FILADELFIA		LAT 10 26 LON 85 35 17. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.4	28.1	29.0	29.4	29.1	28.3	27.7	28.1	27.9	27.5	28.2	28.3	28.3
PCT SUN	63.	64.	68.	57.	47.	28.	43.	34.	44.	49.	71.	63.	53.
MEAN RAD.	460.	500.	550.	520.	470.	360.	450.	400.	450.	450.	500.	450.	463.
PRECIP.	0.	9.	3.	24.	239.	330.	177.	182.	359.	366.	110.	5.	1804.
POT ET	153.	150.	186.	172.	159.	116.	148.	132.	143.	147.	161.	150.	1816.
DEF PREC	153.	141.	183.	148.	-80.	-214.	-29.	-50.	-215.	-219.	51.	144.	12.
DEP PREC	0.	0.	0.	0.	178.	254.	126.	130.	278.	284.	69.	0.	
MAI	0.00	0.00	0.00	0.00	1.12	2.20	0.85	0.98	1.94	1.93	0.43	0.00	

GOLFITO		LAT 8 39 LON 83 10 15. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.3	28.8	28.9	28.9	28.5	27.9	27.8	27.4	27.8	27.2	27.7	27.9	28.1
PCT SUN	55.	57.	63.	57.	38.	26.	37.	34.	41.	40.	55.	55.	46.
MEAN RAD.	440.	480.	535.	520.	420.	340.	410.	400.	440.	410.	450.	430.	440.
PRECIP.	146.	131.	177.	255.	439.	417.	484.	504.	526.	713.	518.	302.	4612.
POT ET	146.	146.	180.	169.	140.	108.	135.	130.	140.	133.	143.	142.	1713.
DEF PREC	0.	15.	3.	-86.	-299.	-309.	-349.	-374.	-386.	-580.	-375.	-160.	-2899.
DEP PREC	100.	87.	126.	191.	346.	327.	384.	400.	419.	576.	412.	231.	
MAI	0.68	0.60	0.70	1.13	2.46	3.02	2.85	3.07	2.99	4.33	2.88	1.63	

GOOD HOPE		LAT 10 4 LON 83 19 108. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.3	27.4	28.0	27.4	26.3	26.9	26.3	25.8	25.8	25.2	25.2	26.4
PCT SUN	60.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	63.	50.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	268.	202.	158.	196.	276.	267.	347.	263.	108.	225.	366.	471.	3147.
POT ET	141.	141.	183.	165.	150.	108.	138.	124.	134.	141.	141.	139.	1704.
DEF PREC	-127.	-61.	25.	-31.	-126.	-159.	-209.	-139.	26.	-84.	-225.	-332.	-1443.
DEP PREC	202.	147.	110.	142.	209.	201.	268.	198.	68.	166.	284.	373.	
MAI	1.43	1.04	0.60	0.86	1.39	1.87	1.94	1.60	0.51	1.18	2.02	2.68	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

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GRECIA		LAT 10 4 LON 84 19 999. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	22.5	23.4	23.5	23.3	23.0	22.8	23.0	22.6	22.3	22.2	21.8	22.7
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	2.	14.	12.	83.	329.	434.	454.	440.	606.	536.	347.	50.	3307.
POT ET	131.	128.	163.	149.	139.	99.	131.	117.	126.	129.	133.	125.	1570.
DEF PREC	129.	114.	151.	66.	-190.	-335.	-323.	-323.	-480.	-407.	-214.	75.	-1737.
DEP PREC	0.	0.	0.	47.	253.	342.	358.	347.	486.	427.	268.	19.	
MAI	0.00	0.00	0.00	0.31	1.83	3.45	2.73	2.96	3.85	3.30	2.01	0.15	

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GUARCO (FL)		LAT 9 50 LON 83 57 1434. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.6	17.6	17.9	18.6	19.8	18.9	18.7	19.3	19.6	18.7	18.3	17.4	18.4
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	34.	20.	21.	44.	184.	195.	134.	105.	230.	238.	112.	52.	1369.
POT ET	111.	112.	138.	128.	129.	89.	112.	106.	114.	110.	117.	105.	1371.
DEF PREC	76.	92.	116.	85.	-55.	-106.	-22.	1.	-116.	-128.	5.	53.	2.
DEP PREC	6.	0.	0.	14.	131.	141.	90.	65.	170.	177.	71.	21.	
MAI	0.05	0.00	0.00	0.11	1.02	1.59	0.80	0.61	1.50	1.61	0.61	0.20	

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JUAN VIVAS		LAT 9 34 LON 83 40 1165. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.8	19.5	20.0	20.6	22.2	21.9	20.5	22.4	22.2	21.6	20.3	20.0	20.9
PCT SUN	51.	61.	67.	57.	45.	27.	42.	35.	44.	48.	61.	56.	50.
MEAN RAD.	420.	490.	550.	520.	460.	350.	440.	410.	450.	450.	470.	430.	453.
PRECIP.	342.	218.	154.	178.	332.	329.	369.	260.	281.	295.	396.	471.	3625.
POT ET	113.	118.	149.	138.	132.	96.	121.	118.	125.	127.	124.	116.	1478.
DEF PREC	-229.	-100.	-5.	-40.	-200.	-232.	-248.	-142.	-156.	-168.	-272.	-355.	-2146.
DEP PREC	264.	160.	106.	127.	256.	253.	287.	195.	213.	225.	310.	373.	
MAI	2.34	1.36	0.71	0.91	1.94	2.63	2.38	1.65	1.70	1.77	2.50	3.20	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

LIBERIA		LAT 10 37 LON 85 26 44. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.0	26.9	27.9	29.2	28.1	27.0	27.6	27.9	27.4	26.5	26.6	26.9	27.4
PCT SUN	63.	64.	68.	57.	37.	25.	36.	34.	42.	41.	58.	58.	49.
MEAN RAD.	460.	500.	550.	520.	420.	340.	410.	400.	440.	410.	450.	430.	444.
PRECIP.	2.	0.	3.	9.	245.	273.	162.	159.	416.	377.	115.	16.	1776.
POT ET	148.	145.	181.	171.	139.	106.	134.	132.	139.	131.	139.	138.	1704.
DEF PREC	147.	145.	179.	162.	-106.	-167.	-28.	-27.	-278.	-246.	24.	123.	-71.
DEP PREC	0.	0.	0.	0.	182.	206.	113.	110.	327.	294.	74.	0.	
MAT	0.00	0.00	0.00	0.00	1.31	1.94	0.84	0.84	2.35	2.25	0.53	0.00	

LIMON		LAT 10 0 LON 83 3 3. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	59.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	62.	50.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	323.	230.	216.	245.	322.	304.	411.	323.	121.	246.	387.	499.	3628.
POT ET	142.	142.	184.	166.	151.	108.	140.	125.	135.	142.	142.	140.	1717.
DEF PREC	-181.	-88.	-32.	-79.	-171.	-196.	-271.	-198.	14.	-104.	-245.	-359.	-1911.
DEP PREC	248.	170.	158.	183.	248.	232.	322.	248.	79.	184.	302.	396.	
MAT	1.75	1.20	0.86	1.10	1.64	2.14	2.31	1.99	0.58	1.29	2.13	2.82	

LLANOS (LOS)		LAT 10 29 LON 84 23 180. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	26.1	27.2	27.8	27.2	26.1	26.7	26.1	25.6	25.6	25.0	25.0	26.2
PCT SUN	63.	64.	68.	57.	47.	27.	42.	34.	44.	47.	60.	58.	51.
MEAN RAD.	460.	500.	550.	520.	470.	350.	440.	400.	450.	440.	460.	430.	456.
PRECIP.	178.	142.	103.	86.	234.	464.	427.	308.	252.	323.	301.	277.	3095.
POT ET	144.	143.	179.	165.	153.	107.	141.	126.	136.	137.	137.	132.	1700.
DEF PREC	-34.	1.	75.	79.	-81.	-357.	-286.	-182.	-116.	-186.	-164.	-145.	-1395.
DEP PREC	127.	96.	64.	49.	174.	367.	336.	236.	189.	248.	230.	210.	
MAT	0.88	0.67	0.36	0.30	1.14	3.43	2.38	1.86	1.39	1.81	1.68	1.59	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

LOLA (LA)		LAT 10 6 LON 83 25 39. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	24.0	24.6	25.2	26.1	26.2	25.5	25.8	26.2	25.7	25.2	24.6	25.2
PCT SUN	60.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	63.	50.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	320.	165.	206.	196.	313.	288.	464.	288.	164.	241.	400.	460.	3505.
POT ET	134.	133.	171.	154.	145.	107.	134.	122.	135.	141.	141.	137.	1655.
DEF PREC	-186.	-32.	-35.	-42.	-168.	-181.	-330.	-166.	-29.	-100.	-259.	-323.	-1850.
DEP PREC	246.	116.	150.	142.	240.	219.	367.	219.	115.	179.	313.	363.	
MAI	1.83	0.87	0.88	0.92	1.65	2.04	2.74	1.79	0.85	1.27	2.23	2.65	

LOMAS		LAT 10 3 LON 83 33 584. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.9	26.0	26.5	26.0	24.9	25.4	24.9	24.3	24.3	23.8	23.8	24.9
PCT SUN	60.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	63.	50.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	260.	210.	170.	232.	389.	375.	430.	311.	236.	365.	406.	526.	3918.
POT ET	136.	136.	177.	159.	145.	104.	134.	120.	129.	136.	136.	134.	1646.
DEF PREC	-133.	-74.	7.	-73.	-244.	-271.	-296.	-191.	-107.	-229.	-270.	-392.	-2273.
DEP PREC	203.	153.	120.	172.	304.	292.	338.	238.	175.	284.	318.	419.	
MAI	1.49	1.13	0.68	1.08	2.09	2.81	2.53	1.99	1.36	2.08	2.34	3.12	

MACACONA		LAT 10 2 LON 84 36 210. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	26.0	27.1	27.7	27.1	26.0	26.6	26.0	25.5	25.5	24.9	24.9	26.1
PCT SUN	62.	64.	67.	57.	47.	27.	42.	34.	44.	47.	59.	57.	51.
MEAN RAD.	460.	500.	550.	520.	470.	350.	440.	400.	450.	440.	460.	430.	456.
PRECIP.	3.	7.	0.	60.	374.	352.	313.	411.	418.	532.	215.	28.	2713.
POT ET	143.	142.	178.	165.	152.	107.	141.	126.	136.	137.	137.	132.	1696.
DEF PREC	140.	135.	178.	105.	-222.	-245.	-172.	-285.	-282.	-395.	-78.	104.	-1016.
DEP PREC	0.	0.	0.	27.	291.	273.	240.	322.	328.	424.	158.	0.	
MAI	0.00	0.00	0.00	0.17	1.91	2.55	1.71	2.55	2.42	3.09	1.15	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

MARGARITA													
LAT 9 34 LON 82 43 39. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	51.	61.	67.	57.	45.	27.	42.	35.	44.	48.	61.	56.	50.
MEAN RAD.	420.	490.	550.	520.	460.	350.	440.	410.	450.	450.	470.	430.	453.
PRECIP.	196.	112.	153.	136.	197.	193.	244.	191.	82.	135.	213.	240.	2092.
POT ET	132.	141.	180.	167.	151.	108.	142.	131.	137.	142.	142.	134.	1708.
DEF PREC	-64.	29.	27.	31.	-46.	-85.	-102.	-60.	55.	7.	-72.	-106.	-384.
DEP PREC	142.	71.	105.	91.	143.	139.	182.	137.	46.	90.	156.	179.	
MAI	1.07	0.50	0.58	0.55	0.95	1.29	1.28	1.05	0.33	0.64	1.10	1.33	

MONTEVERDE													
LAT 10 20 LON 84 50 1380. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	22.4	23.6	24.1	23.6	22.4	23.0	22.4	21.9	21.9	21.3	21.3	22.5
PCT SUN	63.	64.	68.	57.	47.	27.	42.	34.	44.	47.	60.	58.	51.
MEAN RAD.	460.	500.	550.	520.	470.	350.	440.	400.	450.	440.	460.	430.	456.
PRECIP.	62.	39.	23.	29.	205.	339.	226.	219.	380.	445.	200.	151.	2318.
POT ET	131.	130.	163.	152.	140.	98.	129.	116.	124.	125.	125.	121.	1553.
DEF PREC	69.	91.	140.	123.	-65.	-241.	-97.	-103.	-256.	-320.	-75.	-30.	-765.
DEP PREC	29.	10.	0.	1.	149.	262.	167.	161.	296.	351.	145.	104.	
MAI	0.22	0.08	0.00	0.01	1.07	2.68	1.30	1.39	2.39	2.80	1.16	0.86	

MORAVIA CHIRRIPO													
LAT 9 51 LON 83 25 1200. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	23.0	24.1	24.7	24.1	23.0	23.6	23.0	22.4	22.4	21.9	21.9	23.0
PCT SUN	52.	61.	67.	57.	45.	27.	42.	35.	44.	49.	62.	57.	50.
MEAN RAD.	420.	490.	550.	520.	460.	350.	440.	410.	450.	450.	470.	430.	453.
PRECIP.	182.	58.	59.	81.	220.	241.	228.	179.	192.	281.	284.	245.	2250.
POT ET	121.	130.	166.	154.	139.	99.	131.	120.	126.	130.	130.	122.	1566.
DEF PREC	-61.	72.	107.	73.	-81.	-142.	-97.	-59.	-66.	-151.	-154.	-123.	-684.
DEP PREC	130.	26.	26.	45.	162.	179.	169.	127.	138.	213.	216.	183.	
MAI	1.07	0.20	0.16	0.29	1.17	1.81	1.29	1.06	1.10	1.64	1.66	1.49	

## NARANJO

LAT 10 6 LON 84 22 1042. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.5	24.6	25.1	24.6	23.5	24.0	23.5	22.9	22.9	22.4	22.4	23.5
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	3.	12.	9.	56.	192.	327.	295.	347.	472.	362.	174.	63.	2311.
POT ET	134.	131.	168.	155.	143.	100.	135.	119.	127.	131.	134.	127.	1606.
DEF PREC	131.	119.	159.	99.	-40.	-226.	-160.	-228.	-345.	-230.	-40.	64.	-706.
DEP PREC	0.	0.	0.	24.	138.	252.	225.	268.	373.	281.	123.	30.	
MAI	0.00	0.00	0.00	0.15	0.07	2.50	1.66	2.26	2.93	2.14	0.92	0.24	

## NICOYA

LAT 10 9 LON 85 27 130. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	27.1	28.4	28.9	27.8	27.9	27.1	27.6	27.0	26.3	26.3	26.2	27.2
PCT SUN	62.	64.	67.	57.	47.	28.	44.	34.	44.	49.	70.	63.	52.
MEAN RAD.	460.	500.	550.	520.	470.	360.	450.	400.	450.	450.	500.	450.	463.
PRECIP.	4.	16.	24.	62.	243.	345.	258.	348.	379.	422.	130.	12.	2243.
POT ET	145.	146.	183.	169.	154.	115.	146.	131.	140.	143.	154.	143.	1769.
DEF PREC	141.	130.	159.	107.	-89.	-230.	-112.	-217.	-239.	-279.	24.	131.	-473.
DEP PREC	0.	0.	0.	29.	181.	267.	194.	269.	295.	331.	86.	0.	
MAI	0.00	0.00	0.00	0.17	1.17	2.32	1.33	2.06	2.10	2.32	0.56	0.00	

## NIEVECITA

LAT 9 33 LON 82 43 90. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.4	27.5	28.1	27.5	26.4	26.9	26.4	25.8	25.8	25.3	25.3	26.4
PCT SUN	46.	61.	62.	57.	43.	27.	38.	34.	44.	44.	56.	59.	48.
MEAN RAD.	400.	490.	530.	520.	450.	350.	420.	400.	450.	430.	450.	440.	444.
PRECIP.	195.	122.	167.	158.	216.	159.	256.	202.	113.	130.	259.	278.	2255.
POT ET	126.	141.	173.	166.	147.	108.	135.	127.	137.	135.	135.	136.	1667.
DEF PREC	-69.	19.	6.	8.	-69.	-51.	-121.	-75.	24.	5.	-124.	-141.	-588.
DEP PREC	141.	79.	117.	110.	158.	111.	192.	147.	72.	86.	195.	210.	
MAI	1.12	0.56	0.68	0.66	1.08	1.03	1.42	1.15	0.53	0.64	1.44	1.54	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

QROST		LAT 9 48 LON 83 51 1050. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.5	24.6	25.1	24.6	23.5	24.0	23.5	22.9	22.9	22.3	22.3	23.5
PCT SUN	51.	61.	67.	57.	45.	27.	42.	35.	44.	48.	62.	57.	50.
MEAN RAD.	420.	490.	550.	520.	460.	350.	440.	410.	450.	450.	470.	430.	453.
PRECIP.	62.	34.	40.	56.	240.	285.	268.	221.	290.	268.	171.	98.	2053.
POT ET	123.	131.	167.	155.	140.	100.	132.	122.	127.	131.	131.	124.	1584.
DEF PREC	61.	97.	128.	99.	-100.	-185.	-136.	-99.	-163.	-157.	-40.	26.	-468.
DEF PREC	29.	6.	10.	24.	179.	216.	202.	163.	221.	219.	121.	59.	
MAI	0.24	0.04	0.06	0.15	1.28	2.15	1.53	1.34	1.74	1.67	0.92	0.48	

QROTINA		LAT 9 53 LON 84 31 224. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	27.5	28.4	28.3	27.1	25.6	25.4	26.0	25.8	25.5	25.9	26.1	26.6
PCT SUN	59.	64.	67.	56.	49.	26.	44.	32.	42.	46.	63.	59.	51.
MEAN RAD.	450.	500.	550.	515.	480.	345.	450.	390.	440.	440.	475.	440.	456.
PRECIP.	3.	17.	14.	81.	331.	320.	304.	297.	393.	440.	199.	20.	2419.
POT ET	146.	148.	183.	166.	155.	104.	140.	123.	134.	137.	145.	139.	1720.
DEF PREC	143.	131.	169.	85.	-175.	-216.	-164.	-174.	-259.	-303.	-54.	119.	-699.
DEF PREC	0.	0.	0.	45.	255.	246.	232.	226.	307.	347.	144.	0.	
MAI	0.00	0.00	0.00	0.27	1.64	2.36	1.66	1.84	2.30	2.53	1.00	0.00	

PACAYAS		LAT 9 55 LON 83 48 1735. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	15.8	15.9	16.2	17.6	17.2	17.8	17.5	18.0	18.1	17.4	17.0	16.4	17.1
PCT SUN	52.	61.	67.	57.	45.	27.	42.	35.	44.	49.	62.	57.	50.
MEAN RAD.	420.	490.	550.	520.	460.	350.	440.	410.	450.	450.	470.	430.	453.
PRECIP.	166.	58.	72.	96.	154.	202.	214.	173.	186.	261.	242.	229.	2053.
POT ET	100.	106.	134.	127.	115.	86.	111.	105.	112.	113.	113.	105.	1327.
DEF PREC	-66.	48.	62.	31.	-39.	-116.	-103.	-68.	-74.	-148.	-129.	-124.	-726.
DEF PREC	117.	26.	37.	58.	106.	147.	157.	122.	133.	196.	180.	169.	
MAI	1.16	0.24	0.28	0.45	0.92	1.70	1.42	1.17	1.19	1.74	1.60	1.62	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

PALMARES		LAT 10 4 LON 84 25 310. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.1	21.7	22.0	23.0	23.0	23.0	22.7	22.5	22.8	22.1	21.8	21.4	22.3
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	40.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	2.	0.	8.	13.	225.	323.	239.	247.	345.	380.	168.	46.	1995.
POT ET	128.	125.	157.	147.	138.	99.	131.	116.	127.	129.	132.	123.	1552.
DEF PREC	126.	125.	149.	135.	-87.	-224.	-108.	-131.	-219.	-251.	-36.	77.	-443.
DEP PREC	0.	0.	0.	0.	166.	248.	178.	184.	267.	296.	118.	16.	
MAI	0.00	0.00	0.00	0.00	1.20	2.51	1.36	1.59	2.11	2.30	0.89	0.13	

PALMAR SUR		LAT 8 57 LON 83 28 5. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	48.	57.	64.	55.	46.	27.	41.	34.	42.	40.	58.	58.	47.
MEAN RAD.	410.	480.	540.	510.	460.	350.	430.	400.	440.	410.	460.	440.	444.
PRECIP.	56.	38.	70.	247.	451.	431.	412.	452.	437.	809.	359.	110.	3873.
POT ET	130.	139.	177.	164.	151.	108.	140.	128.	135.	130.	139.	137.	1677.
DEF PREC	73.	100.	108.	-82.	-300.	-323.	-272.	-324.	-302.	-679.	-220.	27.	-2195.
DEP PREC	24.	9.	36.	184.	356.	339.	323.	357.	344.	657.	279.	69.	
MAI	0.19	0.07	0.20	1.12	2.36	3.13	2.31	2.79	2.56	5.07	2.01	0.51	

PARAISO		LAT 9 50 LON 83 52 1325. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	22.6	23.7	24.3	23.7	22.6	23.2	22.6	22.1	22.1	21.5	21.5	22.7
PCT SUN	52.	61.	67.	57.	45.	27.	42.	35.	44.	49.	62.	57.	50.
MEAN RAD.	420.	490.	550.	520.	460.	350.	440.	410.	450.	450.	470.	430.	453.
PRECIP.	88.	43.	39.	58.	177.	202.	174.	142.	189.	211.	145.	116.	1584.
POT ET	120.	128.	164.	152.	137.	98.	129.	119.	125.	129.	128.	121.	1551.
DEF PREC	32.	85.	125.	94.	-40.	-104.	-45.	-23.	-64.	-82.	-17.	5.	-33.
DEP PREC	51.	13.	10.	26.	126.	147.	123.	96.	136.	154.	99.	75.	
MAI	0.42	0.10	0.06	0.17	0.92	1.49	0.95	0.81	1.09	1.20	0.77	0.62	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

PARRITA ESTE		LAT 9 30 LON 84 19 5. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.8	28.3	27.8	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	59.	63.	67.	55.	43.	25.	35.	34.	40.	42.	56.	59.	48.
MEAN RAD.	450.	500.	550.	510.	450.	340.	400.	400.	430.	420.	450.	440.	445.
PRECIP.	49.	8.	16.	91.	373.	104.	406.	389.	388.	641.	285.	93.	2843.
POT ET	142.	145.	181.	164.	148.	105.	130.	128.	132.	133.	136.	137.	1680.
DEF PREC	93.	137.	165.	73.	-225.	1.	-276.	-261.	-257.	-508.	-149.	44.	-1163.
DEP PREC	18.	0.	0.	53.	290.	64.	318.	304.	303.	516.	216.	55.	
MAI	0.13	0.00	0.00	0.33	1.96	0.61	2.45	2.37	2.30	3.88	1.59	0.40	

PERALTA		LAT 9 58 LON 83 37 368. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.5	26.7	27.2	26.7	25.5	26.1	25.5	25.0	25.0	24.4	24.4	25.6
PCT SUN	59.	64.	67.	55.	43.	25.	35.	34.	40.	42.	57.	60.	48.
MEAN RAD.	450.	500.	550.	510.	450.	340.	400.	400.	430.	420.	450.	440.	445.
PRECIP.	196.	132.	135.	170.	227.	280.	330.	256.	199.	278.	338.	386.	2927.
POT ET	138.	141.	176.	160.	144.	103.	126.	125.	128.	129.	132.	134.	1636.
DEF PREC	-58.	9.	41.	-10.	-83.	-177.	-204.	-131.	-71.	-149.	-206.	-253.	-1291.
DEP PREC	142.	88.	90.	120.	168.	212.	254.	192.	144.	210.	261.	301.	
MAI	1.02	0.62	0.51	0.75	1.16	2.07	2.01	1.54	1.13	1.63	1.97	2.26	

PLATANILLO		LAT 9 46 LON 83 33 889. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	24.0	25.1	25.6	25.1	24.0	24.5	24.0	23.4	23.4	22.8	22.8	24.0
PCT SUN	59.	63.	67.	55.	43.	25.	35.	34.	40.	42.	56.	59.	48.
MEAN RAD.	450.	500.	550.	510.	450.	340.	400.	400.	430.	420.	450.	440.	445.
PRECIP.	124.	55.	52.	63.	235.	249.	265.	155.	283.	341.	307.	233.	2362.
POT ET	133.	136.	169.	154.	139.	99.	122.	120.	123.	124.	127.	128.	1574.
DEF PREC	9.	80.	117.	91.	-96.	-150.	-143.	-35.	-160.	-217.	-180.	-105.	-788.
DEP PREC	81.	23.	21.	30.	174.	186.	200.	107.	215.	264.	235.	173.	
MAI	0.61	0.17	0.12	0.19	1.26	1.88	1.64	0.89	1.75	2.12	1.85	1.35	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

POCARES	LAT 9 31 LON 84 15 6. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.8	28.3	27.8	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	56.	63.	67.	57.	45.	27.	38.	32.	43.	44.	59.	61.	49.
MEAN RAD.	440.	500.	550.	520.	460.	350.	420.	390.	450.	430.	460.	450.	452.
PRECIP.	45.	16.	23.	109.	336.	417.	424.	363.	402.	601.	317.	130.	3183.
POT ET	139.	145.	181.	167.	151.	108.	136.	125.	138.	136.	139.	140.	1705.
DEF PREC	94.	129.	158.	58.	-185.	-309.	-288.	-238.	-264.	-465.	-178.	10.	-1478.
DEP PREC	15.	0.	0.	69.	259.	327.	333.	282.	315.	482.	243.	86.	
MAI	0.11	0.00	0.00	0.41	1.72	3.02	2.44	2.26	2.29	3.55	1.75	0.61	

POZO NORTE	LAT 8 57 LON 83 32 26. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	48.	57.	64.	55.	46.	27.	41.	34.	42.	40.	55.	55.	47.
MEAN RAD.	410.	480.	540.	510.	460.	350.	430.	400.	440.	410.	450.	430.	443.
PRECIP.	70.	43.	45.	203.	456.	394.	404.	398.	406.	755.	325.	151.	3650.
POT ET	129.	139.	177.	164.	151.	108.	139.	128.	134.	129.	136.	134.	1669.
DEF PREC	59.	96.	132.	-39.	-305.	-286.	-265.	-270.	-272.	-626.	-189.	-17.	-1981.
DEP PREC	36.	13.	15.	147.	360.	308.	316.	311.	318.	611.	250.	104.	
MAI	0.28	0.09	0.08	0.90	2.38	2.84	2.27	2.44	2.37	4.72	1.84	0.77	

PUERTO VIEJO	LAT 10 26 LON 83 59 89. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.8	25.8	25.3	25.3	26.4
PCT SUN	60.	67.	70.	55.	43.	27.	34.	34.	44.	43.	57.	58.	49.
MEAN RAD.	450.	510.	560.	510.	450.	350.	400.	400.	450.	420.	450.	430.	448.
PRECIP.	271.	221.	159.	208.	450.	391.	504.	400.	231.	343.	407.	478.	4063.
POT ET	141.	147.	183.	163.	147.	108.	129.	127.	137.	132.	135.	133.	1682.
DEF PREC	-130.	-74.	24.	-45.	-303.	-283.	-375.	-273.	-94.	-211.	-272.	-345.	-2380.
DEP PREC	205.	163.	111.	152.	355.	305.	400.	313.	171.	265.	319.	379.	
MAI	1.45	1.11	0.60	0.93	2.41	2.83	3.11	2.46	1.25	2.01	2.36	2.84	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

PURISCAL		LAT 9 51 LON 84 19 336. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.6	26.8	27.3	26.8	25.6	26.2	25.6	25.1	25.1	24.5	24.5	25.7
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	75.	29.	57.	159.	277.	258.	231.	262.	279.	215.	154.	150.	2145.
POT ET	139.	138.	173.	161.	154.	106.	136.	125.	131.	129.	138.	128.	1659.
DEF PREC	64.	109.	117.	1.	-123.	-152.	-94.	-137.	-148.	-85.	-16.	-22.	-486.
DEP PREC	40.	2.	25.	111.	210.	194.	171.	197.	212.	157.	107.	103.	
MAI	0.29	0.01	0.14	0.69	1.36	1.83	1.25	1.57	1.61	1.22	0.77	0.81	

QUERRADA GRANDE		LAT 10 50 LON 85 30 400. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	23.6	25.2	25.6	24.8	24.1	23.7	24.1	23.7	23.7	23.7	23.0	24.0
PCT SUN	64.	65.	68.	37.	37.	25.	36.	33.	44.	47.	61.	59.	48.
MEAN RAD.	460.	500.	550.	420.	420.	340.	410.	400.	450.	440.	460.	430.	440.
PRECIP.	25.	13.	14.	21.	168.	371.	175.	235.	344.	310.	149.	87.	1912.
POT ET	134.	134.	170.	127.	129.	99.	122.	120.	130.	131.	133.	126.	1556.
DEF PREC	109.	121.	156.	106.	-39.	-272.	-53.	-114.	-214.	-179.	-16.	39.	-356.
DEP PREC	0.	0.	0.	0.	118.	289.	124.	174.	266.	237.	102.	50.	
MAI	0.00	0.00	0.00	0.00	0.92	2.91	1.01	1.45	2.05	1.81	0.77	0.40	

QUEPUS		LAT 9 26 LON 84 9 5. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	56.	63.	67.	57.	45.	27.	38.	32.	43.	44.	58.	61.	49.
MEAN RAD.	440.	500.	550.	520.	460.	350.	420.	390.	450.	430.	460.	450.	452.
PRECIP.	70.	29.	46.	170.	416.	436.	441.	463.	449.	754.	395.	208.	3877.
POT ET	139.	145.	181.	167.	151.	108.	136.	125.	138.	136.	139.	140.	1705.
DEF PREC	69.	116.	135.	-3.	-265.	-328.	-305.	-338.	-311.	-618.	-256.	-68.	-2172.
DEP PREC	36.	1.	16.	120.	326.	343.	347.	366.	354.	610.	309.	152.	
MAI	0.26	0.01	0.09	0.72	2.16	3.17	2.55	2.93	2.57	4.49	2.22	1.08	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

RANCHO REDONDO

LAT 9 57 LON 83 56 1781. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.7	21.2	22.3	22.9	22.3	21.2	21.8	21.2	20.7	20.7	20.1	20.1	21.3
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	23.	8.	29.	44.	312.	397.	290.	230.	435.	454.	178.	104.	2504.
POT ET	124.	124.	155.	144.	138.	95.	122.	112.	117.	116.	124.	114.	1485.
DEF PREC	101.	116.	127.	100.	-174.	-302.	-168.	-118.	-318.	-338.	-55.	10.	-1019.
DEF PREC	0.	0.	1.	14.	239.	310.	221.	170.	342.	358.	127.	64.	
MAI	0.00	0.00	0.01	0.10	1.73	3.28	1.81	1.52	2.92	3.10	1.02	0.56	

RIO INCENDIO

LAT 8 29 LON 83 1 18. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	47.	57.	64.	55.	46.	27.	41.	34.	41.	39.	57.	57.	47.
MEAN RAD.	410.	480.	540.	510.	460.	350.	430.	400.	440.	410.	460.	440.	444.
PRECIP.	45.	77.	51.	148.	349.	300.	333.	421.	393.	535.	382.	171.	3205.
POT ET	129.	139.	177.	164.	151.	108.	139.	128.	134.	129.	139.	137.	1676.
DEF PREC	84.	61.	127.	16.	-198.	-192.	-193.	-293.	-259.	-406.	-243.	-34.	-1529.
DEF PREC	15.	42.	19.	101.	270.	229.	257.	331.	307.	427.	297.	120.	
MAI	0.12	0.30	0.11	0.62	1.79	2.12	1.84	2.58	2.29	3.30	2.14	0.88	

SAN ISIDRO CORONAD

LAT 10 2 LON 84 3 1383. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.2	17.4	18.2	19.0	19.6	19.7	19.0	19.5	19.7	19.4	18.6	18.2	18.8
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	64.	42.	19.	35.	304.	325.	244.	245.	345.	347.	143.	98.	2211.
POT ET	115.	111.	141.	132.	126.	91.	118.	107.	117.	120.	121.	113.	1412.
DEF PREC	51.	69.	122.	98.	-178.	-234.	-126.	-138.	-228.	-228.	-22.	15.	-799.
DEF PREC	31.	13.	0.	6.	232.	250.	182.	183.	267.	269.	97.	59.	
MAI	0.27	0.11	0.00	0.05	1.85	2.75	1.54	1.71	2.28	2.25	0.80	0.52	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

SAN ISIDRO GENERAL													
LAT 9 22 LON 83 42 703. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.9	23.4	23.6	23.2	23.1	22.8	22.8	22.5	22.3	22.3	22.3	22.8
PCT SUN	56.	63.	67.	57.	45.	27.	38.	32.	43.	44.	58.	61.	49.
MEAN RAD.	440.	500.	550.	520.	460.	350.	420.	390.	450.	430.	460.	450.	452.
PRECIP.	28.	15.	23.	139.	370.	318.	338.	387.	385.	585.	269.	87.	2944.
POT ET	127.	132.	163.	150.	135.	99.	122.	114.	126.	124.	128.	129.	1548.
DEF PREC	99.	117.	139.	11.	-235.	-219.	-216.	-274.	-259.	-461.	-141.	42.	-1396.
DEP PREC	0.	0.	0.	94.	288.	244.	261.	302.	300.	468.	203.	50.	
MAI	0.00	0.00	0.00	0.63	2.13	2.46	2.13	2.66	2.39	3.79	1.59	0.39	

SAN JOAQUIN FLORES													
LAT 10 1 LON 84 8 1051. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	22.2	22.8	23.6	23.2	22.8	22.9	22.8	22.7	22.3	22.4	22.1	22.6
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	5.	8.	21.	69.	288.	304.	207.	233.	353.	410.	161.	48.	2107.
POT ET	129.	127.	160.	150.	138.	99.	131.	116.	127.	129.	134.	126.	1567.
DEF PREC	124.	119.	139.	81.	-150.	-205.	-76.	-116.	-226.	-281.	-27.	78.	-540.
DEP PREC	0.	0.	0.	35.	219.	232.	151.	173.	274.	321.	112.	17.	
MAI	0.00	0.00	0.00	0.23	1.58	2.36	1.15	1.48	2.16	2.48	0.84	0.14	

SAN JOSE													
LAT 9 56 LON 84 5 357. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.2	19.4	20.4	21.1	21.4	21.1	20.7	21.0	21.0	20.7	20.1	19.7	20.5
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	11.	4.	13.	44.	221.	269.	213.	240.	325.	332.	149.	46.	1868.
POT ET	119.	118.	148.	138.	135.	94.	119.	111.	118.	116.	123.	113.	1451.
DEF PREC	108.	114.	134.	94.	-87.	-175.	-94.	-129.	-207.	-216.	-26.	66.	-417.
DEP PREC	0.	0.	0.	14.	163.	203.	156.	179.	250.	256.	102.	16.	
MAI	0.00	0.00	0.00	0.10	1.21	2.15	1.31	1.61	2.11	2.21	0.83	0.14	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

SAN MIGUEL BARRANC													
LAT 10 0 LON 84 41 140. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	28.0	28.8	28.7	26.6	25.3	25.0	25.0	25.0	24.8	24.8	25.3	26.2
PCT SUN	62.	61.	67.	57.	47.	27.	44.	34.	44.	49.	65.	60.	51.
MEAN RAD.	460.	490.	550.	520.	470.	350.	450.	400.	450.	450.	480.	440.	459.
PRECIP.	4.	5.	2.	48.	290.	336.	278.	262.	332.	404.	164.	52.	2177.
POT ET	148.	146.	185.	169.	150.	105.	138.	123.	134.	138.	142.	136.	1714.
DEF PREC	144.	141.	183.	121.	-140.	-231.	-139.	-139.	-198.	-266.	-22.	84.	-463.
DEP PREC	0.	0.	0.	17.	221.	259.	210.	197.	256.	316.	115.	21.	
MAI	0.00	0.00	0.00	0.10	1.47	2.47	1.52	1.60	1.91	2.30	0.81	0.15	

SAN RAMON													
LAT 10 5 LON 84 29 1052. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.4	20.4	20.9	21.4	22.1	22.0	21.8	21.8	21.3	21.0	21.0	20.4	21.2
PCT SUN	64.	64.	70.	57.	49.	28.	44.	35.	44.	49.	65.	57.	52.
MEAN RAD.	465.	500.	560.	520.	480.	360.	450.	410.	450.	450.	480.	430.	463.
PRECIP.	1.	3.	8.	25.	220.	250.	227.	267.	354.	281.	130.	30.	1796.
POT ET	127.	124.	155.	141.	137.	99.	128.	116.	122.	125.	129.	118.	1522.
DEF PREC	126.	120.	147.	116.	-83.	-150.	-99.	-151.	-232.	-156.	-1.	88.	-274.
DEP PREC	0.	0.	0.	0.	162.	187.	168.	201.	274.	213.	86.	2.	
MAI	0.00	0.00	0.00	0.00	1.18	1.88	1.31	1.73	2.25	1.70	0.67	0.02	

SANTORIO DURAN													
LAT 9 56 LON 83 52 2338. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.5	14.5	15.0	15.3	15.4	15.2	15.7	15.7	15.6	14.5	15.2	14.5	15.1
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	39.	16.	7.	20.	203.	223.	130.	136.	187.	285.	153.	85.	1484.
POT ET	104.	102.	126.	116.	114.	80.	103.	96.	101.	97.	107.	97.	1241.
DEF PREC	64.	86.	119.	96.	-89.	-143.	-27.	-40.	-86.	-188.	-46.	12.	-243.
DEP PREC	10.	0.	0.	0.	147.	164.	86.	91.	134.	216.	105.	48.	
MAI	0.10	0.00	0.00	0.00	1.30	2.06	0.84	0.95	1.32	2.24	0.99	0.50	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

SANTA ANA		LAT 9 56 LON 84 9 905. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.6	23.2	24.1	24.5	23.6	22.7	22.8	22.6	22.3	22.0	22.3	22.3	22.9
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	3.	5.	18.	49.	228.	242.	149.	157.	267.	290.	114.	28.	1550.
POT ET	130.	130.	163.	150.	143.	98.	125.	116.	122.	120.	131.	121.	1550.
DEF PREC	127.	125.	145.	101.	-85.	-144.	-24.	-41.	-145.	-170.	17.	93.	-1.
DEP PREC	0.	0.	0.	18.	169.	180.	102.	109.	201.	221.	73.	0.	
MAI	0.00	0.00	0.00	0.12	1.18	1.83	0.82	0.94	1.64	1.84	0.56	0.00	

SANTA CRUZ		LAT 10 16 LON 85 37 50. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	27.7	28.7	29.8	28.4	27.2	26.8	26.6	26.6	25.9	26.1	26.8	27.3
PCT SUN	63.	64.	68.	57.	47.	28.	44.	34.	44.	49.	71.	63.	52.
MEAN RAD.	460.	500.	550.	520.	470.	360.	450.	400.	450.	450.	500.	450.	463.
PRECIP.	3.	0.	1.	11.	310.	312.	223.	151.	381.	497.	66.	23.	1978.
POT ET	148.	148.	185.	173.	157.	113.	144.	128.	139.	142.	153.	144.	1774.
DEF PREC	145.	148.	184.	162.	-153.	-109.	-79.	-23.	-242.	-356.	87.	121.	-204.
DEP PREC	0.	0.	0.	0.	237.	239.	164.	104.	297.	395.	32.	0.	
MAI	0.00	0.00	0.00	0.00	1.52	2.11	1.14	0.81	2.13	2.79	0.21	0.00	

SAN VITO DE LA JAB		LAT 8 50 LON 83 0 1019. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	24.3	24.9	24.4	23.8	23.3	23.0	22.8	22.3	21.8	22.7	22.7	23.3
PCT SUN	55.	57.	63.	57.	38.	26.	37.	34.	41.	40.	55.	55.	47.
MEAN RAD.	440.	480.	535.	520.	420.	340.	410.	400.	440.	410.	450.	430.	440.
PRECIP.	89.	86.	117.	222.	537.	394.	359.	419.	441.	668.	498.	171.	4001.
POT ET	129.	131.	164.	153.	126.	97.	120.	116.	122.	116.	127.	125.	1527.
DEF PREC	41.	45.	47.	-69.	-411.	-297.	-239.	-303.	-319.	-552.	-371.	-46.	-2474.
DEP PREC	52.	49.	75.	163.	428.	308.	278.	329.	347.	538.	395.	121.	
MAI	0.40	0.38	0.46	1.07	3.41	3.18	2.32	2.83	2.84	4.62	3.12	0.96	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR COSTA RICA

SICUITRES		LAT 10 6 LON 83 30 62. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.4	25.4	26.5
POT SUN	60.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	63.	50.
MEAN RAD.	459.	490.	540.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	263.	187.	166.	203.	315.	340.	380.	266.	195.	288.	429.	482.	3518.
POT ET	142.	141.	143.	185.	151.	108.	139.	124.	130.	142.	141.	140.	1710.
DEF PREC	-121.	-46.	17.	-38.	-164.	-232.	-245.	-142.	-61.	-146.	-288.	-342.	-1808.
DEF PREC	199.	134.	117.	147.	242.	263.	300.	200.	141.	219.	337.	382.	
MAT	1.40	0.95	0.64	0.89	1.60	2.43	2.16	1.61	1.05	1.55	2.39	2.73	

TILAPAN		LAT 10 28 LON 84 59 562. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.4	24.1	25.0	24.6	24.6	24.1	24.2	24.2	23.8	23.6	22.9	24.0
POT SUN	63.	64.	68.	57.	47.	27.	42.	34.	44.	47.	60.	58.	51.
MEAN RAD.	460.	500.	550.	520.	470.	350.	440.	400.	450.	440.	460.	430.	456.
PRECIP.	58.	35.	30.	36.	200.	343.	220.	220.	344.	409.	148.	147.	2190.
POT ET	135.	133.	166.	155.	143.	103.	133.	121.	132.	131.	132.	126.	1610.
DEF PREC	77.	98.	136.	119.	-57.	-240.	-87.	-99.	-212.	-277.	-16.	-22.	-580.
DEF PREC	26.	6.	2.	7.	145.	265.	162.	162.	266.	321.	101.	101.	
MAT	0.19	0.05	0.01	0.05	1.01	2.57	1.22	1.34	2.02	2.44	0.77	0.80	

TURRUCARES		LAT 9 58 LON 84 10 105. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	26.5	26.5	26.9	25.7	25.1	24.9	25.3	25.0	24.3	24.9	25.5	25.5
POT SUN	59.	64.	67.	56.	49.	26.	49.	32.	42.	46.	63.	60.	51.
MEAN RAD.	450.	500.	550.	515.	480.	345.	450.	390.	440.	440.	475.	480.	456.
PRECIP.	2.	4.	20.	62.	252.	278.	191.	212.	306.	312.	112.	24.	1775.
POT ET	141.	144.	175.	160.	150.	103.	138.	121.	131.	133.	141.	137.	1676.
DEF PREC	132.	140.	156.	98.	-102.	-175.	-53.	-91.	-175.	-179.	30.	113.	-99.
DEF PREC	0.	0.	0.	29.	189.	210.	137.	155.	234.	239.	71.	0.	
MAT	0.00	0.00	0.00	0.18	1.25	2.04	1.00	1.28	1.78	1.80	0.50	0.00	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR COSTA RICA

VILLA MILLS		LAT 9 34 LON 83 41 944. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	6.0	6.9	7.8	8.1	8.0	8.0	7.7	7.9	7.6	7.0	6.5	6.2	7.3
PCT SUN	61.	66.	70.	57.	45.	27.	37.	35.	42.	44.	59.	62.	50.
MEAN RAD.	460.	510.	560.	520.	460.	350.	410.	410.	440.	430.	460.	450.	455.
PRECIP.	34.	22.	27.	68.	424.	368.	250.	293.	428.	522.	235.	113.	2803.
POT ET	77.	80.	101.	92.	84.	62.	74.	75.	77.	75.	76.	76.	950.
DEF PREC	43.	59.	74.	5.	-340.	-306.	-176.	-218.	-351.	-447.	-159.	-37.	-1853.
DEF PREC	6.	0.	0.	51.	333.	246.	187.	223.	336.	415.	175.	72.	
MAI	0.07	0.00	0.00	0.55	3.97	4.62	2.53	2.99	4.39	5.52	2.29	0.94	

VILLA GUERADA		LAT 10 17 LON 84 26 656. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.7	25.8	26.3	25.8	24.7	25.2	24.7	24.1	24.1	23.6	23.6	24.7
PCT SUN	63.	64.	69.	57.	47.	27.	42.	34.	44.	47.	60.	58.	51.
MEAN RAD.	460.	500.	550.	520.	470.	350.	440.	400.	450.	440.	460.	430.	456.
PRECIP.	270.	149.	114.	84.	305.	449.	578.	495.	480.	507.	383.	523.	4346.
POT ET	139.	138.	173.	160.	147.	103.	136.	122.	131.	133.	132.	128.	1641.
DEF PREC	-140.	-11.	58.	76.	-159.	-346.	-442.	-373.	-349.	-374.	-251.	-395.	-2705.
DEF PREC	211.	102.	73.	48.	233.	354.	463.	393.	380.	403.	299.	416.	
MAI	1.52	0.74	0.42	0.30	1.58	3.43	3.40	3.22	2.90	3.04	2.26	3.26	

VOLCAN BUENOS AIRES		LAT 9 14 LON 83 27 450. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.3	26.4	27.0	26.4	25.3	25.8	25.3	24.7	24.7	24.2	24.2	25.3
PCT SUN	50.	65.	67.	57.	48.	27.	39.	37.	43.	44.	58.	61.	50.
MEAN RAD.	455.	510.	550.	520.	470.	350.	420.	420.	450.	430.	460.	450.	457.
PRECIP.	54.	40.	50.	215.	433.	400.	337.	399.	444.	489.	326.	82.	3298.
POT ET	139.	143.	175.	162.	150.	105.	132.	130.	133.	131.	134.	136.	1671.
DEF PREC	85.	83.	114.	-53.	-283.	-295.	-205.	-269.	-311.	-357.	-192.	54.	-1627.
DEF PREC	22.	27.	26.	156.	341.	313.	260.	312.	350.	388.	251.	46.	
MAI	0.16	0.19	0.15	0.97	2.28	2.98	1.97	2.40	2.63	2.95	1.87	0.34	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR COSTA RICA

YAS (FI)		LAT 9 48 LON 83 49 1205. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	23.0	24.1	24.7	24.1	23.0	23.5	23.0	22.4	22.4	21.9	21.9	23.0
PCT SUN	59.	61.	65.	55.	49.	27.	40.	34.	42.	42.	62.	54.	49.
MEAN RAD.	450.	490.	540.	510.	480.	350.	430.	400.	440.	420.	470.	420.	450.
PRECIP.	119.	60.	49.	36.	166.	178.	140.	144.	178.	197.	189.	166.	1621.
POT ET	130.	129.	163.	151.	145.	99.	128.	117.	123.	121.	129.	120.	1554.
DEF PREC	10.	69.	114.	115.	-22.	-79.	-12.	-26.	-55.	-75.	-60.	-47.	-67.
DEF PREC	77.	28.	18.	7.	117.	127.	95.	98.	126.	142.	136.	117.	
MAI	0.60	0.21	0.11	0.05	0.81	1.28	0.74	0.83	1.03	1.17	1.05	0.97	

ZAPCERO		LAT 10 11 LON 84 24 529. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.7	18.3	18.8	19.3	19.0	18.7	18.8	18.4	18.5	18.2	18.1	18.0	18.5
PCT SUN	62.	64.	68.	57.	47.	27.	42.	34.	44.	47.	60.	57.	51.
MEAN RAD.	460.	500.	550.	520.	470.	350.	440.	400.	450.	440.	460.	430.	456.
PRECIP.	17.	4.	9.	12.	205.	345.	286.	268.	411.	441.	114.	61.	2265.
POT ET	117.	116.	144.	133.	124.	88.	115.	103.	113.	113.	114.	110.	1391.
DEF PREC	99.	112.	135.	121.	-171.	-257.	-171.	-165.	-298.	-328.	0.	48.	-874.
DEF PREC	0.	0.	0.	0.	225.	267.	217.	202.	322.	348.	73.	29.	
MAI	0.00	0.00	0.00	0.00	1.82	3.02	1.89	1.95	2.85	3.07	0.64	0.26	

ZENT		LAT 10 2 LON 83 16 62. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.4	25.4	26.5
PCT SUN	60.	61.	70.	56.	45.	27.	40.	32.	42.	49.	62.	62.	50.
MEAN RAD.	450.	490.	560.	515.	460.	350.	430.	390.	440.	450.	470.	450.	455.
PRECIP.	306.	220.	201.	235.	276.	289.	371.	261.	150.	231.	432.	544.	3516.
POT ET	142.	141.	183.	165.	151.	108.	139.	124.	134.	142.	141.	140.	1710.
DEF PREC	-164.	-79.	-18.	-70.	-126.	-181.	-232.	-137.	-16.	-89.	-291.	-404.	-1807.
DEF PREC	234.	162.	146.	174.	209.	220.	289.	196.	103.	171.	340.	434.	
MAI	1.65	1.15	0.80	1.06	1.39	2.04	2.08	1.58	0.77	1.21	2.40	3.10	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR CURA

CAND CRUZ		LAT 19 50 10N 77 43 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	24.4	25.3	26.1	26.9	27.6	28.1	28.6	28.0	27.2	26.6	24.7	26.5
PCT SUN	73.	69.	76.	74.	63.	58.	69.	59.	62.	56.	67.	64.	66.
MEAN RAD.	420.	460.	550.	600.	570.	550.	600.	540.	520.	440.	420.	380.	504.
PRECIP.	24.	34.	26.	24.	117.	92.	95.	100.	126.	205.	50.	25.	918.
POT ET	124.	126.	171.	184.	183.	174.	199.	181.	166.	143.	130.	116.	1898.
DEF PREC	102.	92.	145.	160.	66.	82.	104.	81.	40.	-62.	80.	91.	981.
DEF PREC	0.	6.	0.	0.	75.	54.	57.	61.	83.	149.	19.	0.	
NET	0.40	0.04	0.00	0.00	0.41	0.31	0.29	0.34	0.50	1.04	0.15	0.00	

CAPD SAN ANTONIO		LAT 21 52 10N 84 57 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	22.8	23.5	26.1	26.4	26.5	26.9	27.9	27.2	25.5	24.7	23.7	25.2
PCT SUN	61.	70.	67.	64.	70.	51.	69.	57.	61.	54.	66.	60.	62.
MEAN RAD.	370.	450.	510.	550.	600.	520.	600.	530.	510.	420.	400.	350.	484.
PRECIP.	45.	40.	30.	45.	167.	222.	171.	161.	244.	148.	62.	56.	1395.
POT ET	104.	118.	152.	168.	191.	160.	193.	175.	160.	131.	118.	104.	1776.
DEF PREC	59.	78.	118.	123.	24.	-61.	22.	14.	-84.	-17.	56.	49.	381.
DEF PREC	15.	10.	6.	15.	117.	163.	121.	112.	182.	101.	29.	24.	
NET	0.14	0.09	0.04	0.09	0.61	1.02	0.62	0.64	1.14	0.77	0.25	0.23	

CAIRARIEN		LAT 22 32 10N 79 28 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	22.1	24.6	25.2	26.1	27.2	27.8	28.1	27.4	26.2	24.6	22.8	25.3
PCT SUN	74.	71.	77.	74.	65.	59.	69.	57.	59.	63.	75.	65.	67.
MEAN RAD.	400.	450.	540.	590.	580.	560.	600.	530.	500.	450.	420.	360.	498.
PRECIP.	32.	31.	40.	57.	147.	187.	133.	143.	235.	239.	68.	38.	1350.
POT ET	113.	116.	165.	177.	183.	174.	197.	175.	158.	143.	124.	105.	1831.
DEF PREC	81.	85.	125.	120.	36.	-11.	64.	32.	-77.	-96.	56.	67.	481.
DEF PREC	4.	3.	10.	25.	101.	134.	89.	97.	174.	178.	34.	9.	
NET	0.03	0.03	0.06	0.14	0.55	0.76	0.45	0.55	1.11	1.25	0.26	0.09	

MONTHLY EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR CURA

CAMAGUEY				LAT 21 23 10N 77 55				O. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.0	21.7	23.8	25.2	25.8	26.2	27.0	27.3	26.6	25.5	24.7	22.1	24.9
PCT SUN	79.	66.	72.	76.	65.	59.	69.	57.	59.	61.	68.	65.	66.
MEAN RAD.	510.	400.	550.	600.	580.	560.	600.	530.	500.	450.	410.	370.	500.
PRECIP.	22.	38.	48.	80.	167.	189.	126.	201.	189.	203.	59.	23.	1345.
POT ET	115.	113.	164.	180.	182.	172.	194.	172.	155.	140.	121.	106.	1817.
DEF PREC	93.	75.	116.	100.	15.	-17.	68.	-29.	-34.	-63.	62.	83.	472.
DEF PREC	0.	9.	17.	44.	117.	136.	83.	146.	136.	147.	26.	0.	
MAT	0.00	0.04	0.11	0.25	0.64	0.79	0.43	0.85	0.88	1.05	0.22	0.00	

CAYO GUANO DEL EST				LAT 21 40 LON 81 2				O. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	25.1	25.4	27.0	27.0	27.7	28.5	29.0	28.3	27.2	26.3	25.0	26.7
PCT SUN	71.	72.	75.	76.	67.	57.	73.	59.	61.	62.	76.	66.	68.
MEAN RAD.	400.	460.	540.	600.	590.	550.	620.	540.	510.	450.	430.	370.	505.
PRECIP.	46.	28.	23.	24.	90.	108.	67.	109.	183.	150.	64.	14.	906.
POT ET	120.	128.	168.	187.	190.	175.	207.	183.	164.	146.	132.	114.	1914.
DEF PREC	75.	100.	145.	163.	100.	67.	140.	74.	-19.	-4.	68.	100.	1009.
DEF PREC	14.	0.	0.	0.	53.	68.	33.	69.	131.	103.	31.	0.	
MAT	0.13	0.00	0.00	0.00	0.28	0.39	0.16	0.38	0.80	0.71	0.23	0.00	

CAYO PABERON GRAND				LAT 22 28 LON 78 10				O. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	23.2	24.4	25.5	26.5	27.6	28.5	28.8	27.8	26.6	25.4	23.7	25.9
PCT SUN	73.	68.	74.	72.	63.	61.	66.	57.	57.	60.	71.	61.	65.
MEAN RAD.	400.	440.	530.	580.	570.	570.	590.	530.	490.	440.	410.	350.	492.
PRECIP.	17.	22.	26.	46.	100.	110.	49.	71.	139.	119.	39.	27.	765.
POT ET	116.	117.	161.	175.	182.	181.	197.	178.	156.	141.	123.	104.	1831.
DEF PREC	99.	95.	135.	129.	82.	71.	148.	107.	17.	22.	84.	78.	1065.
DEF PREC	0.	0.	0.	16.	61.	69.	18.	37.	94.	77.	10.	0.	
MAT	0.00	0.00	0.00	0.09	0.34	0.38	0.09	0.21	0.60	0.55	0.08	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR CHRA

GIMARA		LAT 21 7		LON 76 9		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.8	25.4	26.0	27.2	27.9	28.9	29.2	28.5	27.0	25.7	24.5	26.5
POT SUN	73.	68.	75.	74.	65.	61.	66.	59.	58.	61.	71.	65.	66.
MEAN RAD.	410.	450.	540.	590.	580.	570.	590.	540.	500.	450.	420.	370.	501.
PRECIP.	62.	34.	35.	52.	122.	93.	44.	69.	94.	178.	169.	88.	1041.
POT ET	123.	121.	168.	182.	188.	182.	199.	183.	162.	145.	127.	112.	1892.
DEF PREC	61.	87.	132.	130.	66.	89.	155.	114.	68.	-33.	-42.	25.	851.
DEF PREC	22.	6.	7.	21.	79.	55.	14.	35.	56.	127.	119.	51.	
MAI	0.24	0.05	0.04	0.11	0.42	0.30	0.07	0.19	0.35	0.87	0.93	0.45	

GUADU		LAT 22 11		LON 84 5		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.7	24.7	26.7	26.1	27.4	27.6	27.9	27.3	26.0	24.8	23.8	25.7
POT SUN	62.	67.	71.	64.	69.	51.	65.	57.	59.	54.	70.	61.	63.
MEAN RAD.	370.	440.	520.	550.	600.	520.	500.	530.	500.	420.	410.	350.	483.
PRECIP.	41.	44.	57.	68.	166.	169.	136.	180.	225.	162.	38.	28.	1312.
POT ET	105.	119.	159.	171.	190.	164.	193.	175.	157.	132.	121.	105.	1793.
DEF PREC	67.	75.	102.	105.	24.	-5.	57.	-5.	-68.	-30.	83.	77.	482.
DEF PREC	11.	14.	25.	32.	117.	119.	91.	128.	166.	113.	9.	0.	
MAI	0.11	0.12	0.16	0.19	0.61	0.72	0.47	0.73	1.06	0.85	0.07	0.00	

KABANA OBSERV.		LAT 23 9		LON 82 22		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	22.1	23.1	24.4	25.6	26.5	26.9	27.2	26.8	25.4	23.6	22.3	24.6
POT SUN	65.	66.	65.	72.	69.	54.	65.	55.	57.	59.	69.	60.	63.
MEAN RAD.	370.	430.	500.	580.	600.	540.	590.	520.	490.	430.	400.	340.	483.
PRECIP.	62.	39.	50.	52.	104.	146.	105.	108.	150.	184.	84.	52.	1136.
POT ET	105.	111.	147.	170.	188.	167.	190.	169.	152.	134.	115.	98.	1745.
DEF PREC	43.	72.	97.	118.	84.	21.	85.	61.	2.	-50.	31.	46.	609.
DEF PREC	29.	10.	19.	21.	64.	100.	65.	68.	103.	131.	48.	21.	
MAI	0.28	0.09	0.13	0.12	0.34	0.60	0.34	0.40	0.68	0.98	0.41	0.21	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR CUBA

PASO REAL	LAT 22 35 LON 83 19 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.0	22.7	22.0	24.8	26.0	26.7	27.3	27.7	26.9	25.3	23.7	21.9	24.7
POT SUN	63.	71.	66.	64.	69.	50.	66.	57.	62.	58.	68.	62.	63.
MEAN RAD.	370.	450.	507.	550.	600.	520.	590.	530.	510.	430.	400.	350.	483.
PRECIP.	50.	43.	52.	79.	205.	237.	187.	219.	212.	183.	40.	17.	1523.
POT ET	103.	119.	145.	163.	189.	161.	192.	174.	159.	133.	116.	100.	1753.
DEF PREC	53.	75.	92.	85.	-16.	-76.	5.	-45.	-53.	-50.	76.	83.	231.
DEF PREC	10.	13.	21.	43.	149.	176.	134.	161.	155.	131.	10.	0.	
MAI	0.19	0.11	0.14	0.26	0.79	1.09	0.70	0.92	0.98	0.98	0.09	0.00	

PUNTA LUERECTA	LAT 21 4 LON 75 37 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.4	24.9	25.9	26.5	27.3	28.1	28.7	28.0	26.6	25.8	24.5	26.1
POT SUN	64.	68.	80.	76.	63.	66.	69.	61.	58.	66.	74.	72.	68.
MEAN RAD.	390.	450.	560.	600.	570.	590.	600.	550.	500.	470.	430.	390.	508.
PRECIP.	45.	39.	44.	26.	69.	71.	48.	35.	70.	186.	124.	82.	839.
POT ET	116.	120.	172.	183.	182.	186.	199.	185.	160.	150.	131.	119.	1900.
DEF PREC	71.	81.	128.	157.	113.	115.	151.	149.	90.	-36.	7.	37.	1061.
DEF PREC	15.	10.	14.	0.	35.	37.	17.	6.	36.	133.	81.	46.	
MAI	0.13	0.08	0.08	0.00	0.19	0.20	0.09	0.03	0.22	0.89	0.62	0.39	

PUNTA MAISI	LAT 20 15 LON 74 9 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	23.9	25.0	26.0	26.9	27.7	27.5	28.3	27.9	26.5	26.1	24.7	26.2
POT SUN	74.	69.	76.	76.	66.	69.	69.	61.	58.	62.	72.	69.	68.
MEAN RAD.	420.	460.	550.	600.	580.	600.	600.	550.	500.	460.	430.	390.	512.
PRECIP.	52.	34.	42.	33.	75.	51.	15.	44.	58.	198.	112.	69.	783.
POT ET	126.	124.	169.	183.	187.	191.	196.	183.	159.	147.	132.	119.	1916.
DEF PREC	74.	90.	127.	150.	112.	140.	181.	139.	102.	-51.	20.	50.	1133.
DEF PREC	21.	6.	12.	5.	40.	20.	0.	14.	26.	143.	71.	35.	
MAI	0.16	0.04	0.07	0.03	0.21	0.10	0.00	0.08	0.16	0.98	0.54	0.29	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR CURA

SANCII-SPRINTUS	LAT 21 55 (ON 79 27 0, METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.5	23.5	25.5	27.3	28.0	28.5	29.3	29.3	28.5	26.6	25.0	23.0	26.4
PCT SUN	75.	70.	76.	76.	67.	59.	48.	55.	59.	62.	73.	67.	67.
MEAN RAD.	410.	450.	500.	600.	590.	560.	600.	520.	500.	450.	420.	370.	501.
PRECIP.	29.	32.	30.	92.	220.	270.	215.	201.	183.	241.	46.	20.	1588.
POT EI	119.	121.	168.	189.	195.	181.	204.	177.	162.	140.	125.	108.	1892.
DEF PREC	90.	89.	120.	97.	-25.	-89.	-11.	-24.	-21.	-97.	79.	88.	304.
DEF PREC	1.	4.	10.	54.	162.	204.	158.	146.	131.	179.	16.	0.	
MAI	0.01	0.03	0.06	0.29	0.83	1.13	0.77	0.82	0.81	1.25	0.12	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR DOMINICAN

AZUA	LAT 18 27 LON 70 44 81. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.2	25.8	26.7	27.1	27.7	28.3	28.5	28.0	27.3	26.3	25.5	26.8
PCT SUN	69.	69.	74.	76.	64.	70.	70.	61.	66.	71.	70.	74.	70.
MEAN RAD.	420.	470.	550.	600.	570.	600.	600.	550.	540.	500.	440.	420.	522.
PRECIP.	10.	13.	15.	38.	122.	67.	51.	77.	124.	138.	55.	16.	727.
POT ET	130.	131.	173.	186.	185.	191.	199.	184.	173.	163.	135.	131.	1979.
DEF PREC	119.	118.	158.	148.	62.	124.	148.	107.	49.	25.	80.	115.	1253.
DFP PREC	0.	0.	0.	9.	80.	33.	20.	42.	81.	93.	23.	0.	
MAI	0.00	0.00	0.00	0.05	0.43	0.17	0.10	0.23	0.47	0.57	0.17	0.00	

BANICA	LAT 19 4 LON 71 42 218. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	24.3	25.4	26.2	25.9	26.2	26.4	26.8	26.0	25.9	25.1	23.5	25.4
PCT SUN	67.	67.	75.	76.	66.	70.	70.	63.	64.	66.	69.	69.	68.
MEAN RAD.	410.	460.	550.	600.	580.	600.	600.	560.	530.	480.	430.	400.	517.
PRECIP.	7.	11.	28.	96.	225.	119.	99.	155.	161.	135.	46.	23.	1103.
POT ET	122.	126.	171.	184.	182.	184.	191.	180.	162.	151.	128.	119.	1900.
DEF PREC	115.	115.	143.	88.	-42.	65.	92.	25.	1.	16.	82.	96.	796.
DFP PREC	0.	0.	1.	58.	166.	77.	60.	107.	112.	90.	16.	0.	
MAI	0.00	0.00	0.01	0.31	0.91	0.42	0.31	0.59	0.69	0.60	0.13	0.00	

CIUDAD TRUJILLO	LAT 18 28 LON 69 53 14. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.0	24.5	24.6	26.0	26.6	26.9	27.1	26.9	26.5	25.6	24.7	25.6
PCT SUN	69.	69.	72.	73.	64.	68.	72.	59.	64.	71.	70.	74.	69.
MEAN RAD.	420.	470.	540.	590.	570.	590.	605.	540.	530.	500.	440.	420.	518.
PRECIP.	57.	42.	51.	78.	176.	162.	159.	159.	196.	160.	122.	61.	1422.
POT ET	126.	128.	164.	174.	180.	183.	195.	175.	165.	159.	133.	128.	1910.
DEF PREC	69.	86.	114.	96.	4.	21.	36.	16.	-31.	-1.	11.	68.	488.
DFP PREC	25.	12.	19.	43.	125.	113.	110.	111.	141.	112.	79.	28.	
MAI	0.20	0.09	0.12	0.24	0.69	0.62	0.57	0.63	0.86	0.70	0.60	0.22	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR DOMINICAN

COTUY	LAT 19 3 LON 70 9 67. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.0	22.8	24.0	24.6	23.9	23.6	23.5	24.5	25.6	24.8	23.8	22.7	23.7
PCT SUN	67.	67.	75.	76.	66.	72.	70.	61.	62.	63.	69.	69.	68.
MEAN RAD.	410.	460.	550.	600.	580.	610.	600.	550.	520.	470.	430.	400.	515.
PRECIP.	72.	79.	52.	109.	225.	150.	167.	149.	138.	133.	134.	101.	1508.
POT ET	114.	121.	165.	177.	174.	176.	178.	167.	157.	144.	124.	116.	1814.
DEF PREC	42.	42.	114.	68.	-51.	26.	11.	18.	19.	11.	-10.	15.	306.
DEF PREC	37.	44.	20.	69.	166.	103.	117.	102.	93.	88.	90.	62.	
MAI	0.33	0.36	0.12	0.39	0.95	0.59	0.66	0.61	0.59	0.61	0.72	0.53	

HIGHEY	LAT 18 37 LON 68 43 100. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.7	24.8	25.8	26.7	27.1	27.4	27.8	27.2	26.7	25.6	24.3	25.9
PCT SUN	73.	69.	75.	78.	62.	70.	70.	61.	62.	71.	71.	71.	69.
MEAN RAD.	430.	470.	550.	610.	560.	600.	600.	550.	520.	500.	440.	410.	520.
PRECIP.	74.	57.	46.	84.	97.	116.	133.	102.	143.	139.	127.	94.	1211.
POT ET	128.	127.	168.	185.	180.	188.	196.	181.	163.	160.	133.	124.	1932.
DEF PREC	53.	70.	122.	102.	83.	72.	63.	79.	20.	22.	6.	30.	721.
DEF PREC	40.	25.	16.	47.	58.	74.	88.	63.	97.	93.	84.	56.	
MAI	0.31	0.20	0.09	0.25	0.32	0.39	0.45	0.35	0.59	0.58	0.63	0.45	

PUERTO PLATA	LAT 19 48 LON 70 42 6. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	22.1	23.0	23.7	24.7	26.0	26.2	26.5	26.4	25.8	24.3	22.9	24.5
PCT SUN	72.	68.	76.	76.	63.	71.	69.	51.	60.	64.	67.	71.	68.
MEAN RAD.	420.	460.	550.	600.	570.	610.	600.	500.	510.	470.	420.	400.	509.
PRECIP.	181.	153.	112.	143.	133.	65.	76.	83.	104.	137.	305.	262.	1753.
POT ET	121.	119.	161.	173.	174.	186.	190.	159.	157.	147.	123.	117.	1828.
DEF PREC	-61.	-34.	49.	31.	41.	121.	114.	77.	53.	11.	-182.	-145.	75.
DEF PREC	129.	105.	71.	97.	89.	32.	41.	47.	64.	92.	233.	197.	
MAI	1.07	0.89	0.44	0.56	0.51	0.17	0.22	0.29	0.41	0.62	1.90	1.69	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

IBARRA	LAT 0 21N LON 78 7 2229. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	15.9	16.0	16.2	16.2	16.2	16.0	16.0	16.0	16.3	16.0	15.8	15.9	16.0
MEAN R.H.	82.	81.	82.	83.	81.	79.	73.	73.	75.	81.	87.	82.	80.
PCT SUN	38.	39.	34.	33.	35.	37.	42.	42.	40.	39.	36.	42.	38.
MEAN RAD.	407.	426.	401.	385.	376.	373.	403.	424.	433.	430.	400.	424.	407.
PRECIP.	50.	50.	63.	113.	77.	43.	8.	14.	26.	68.	71.	52.	635.
POT ET	98.	93.	97.	91.	91.	87.	97.	102.	102.	103.	93.	102.	1155.
DEF PREC	48.	43.	34.	-22.	14.	44.	89.	88.	76.	35.	21.	50.	520.
DEP PREC	27.	27.	35.	67.	44.	23.	0.	4.	12.	39.	41.	28.	
MAI	.28	.29	.36	.74	.49	.26	.00	.04	.11	.37	.44	.28	

ISABEL MARIA	LAT 1 48S LON 79 32 7. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.0	26.3	26.6	25.6	23.9	23.3	23.5	24.2	24.5	24.6	25.9	25.0
MEAN R.H.	83.	85.	85.	84.	84.	85.	85.	83.	82.	81.	80.	79.	83.
PCT SUN	21.	23.	27.	32.	24.	15.	15.	21.	21.	13.	18.	18.	21.
MEAN RAD.	294.	324.	358.	382.	316.	246.	250.	301.	316.	246.	278.	274.	299.
PRECIP.	381.	359.	421.	324.	61.	9.	1.	1.	2.	6.	2.	58.	1625.
POT ET	93.	92.	114.	118.	99.	71.	74.	89.	92.	75.	82.	86.	1085.
DEF PREC	-288.	-267.	-307.	-206.	38.	62.	73.	88.	90.	69.	80.	28.	-540.
DEP PREC	239.	225.	264.	202.	34.	1.	0.	0.	0.	0.	0.	32.	
MAI	2.58	2.43	2.33	1.71	.34	.01	.00	.00	.00	.00	.00	.37	

LATACUNGA	LAT 0 55S LON 78 37 2810. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.5	13.4	13.2	13.1	13.0	12.1	11.9	11.9	12.1	13.1	13.3	13.3	12.8
MEAN R.H.	77.	78.	78.	79.	77.	79.	80.	75.	74.	78.	74.	73.	77.
PCT SUN	43.	42.	38.	37.	38.	37.	36.	40.	41.	42.	51.	52.	41.
MEAN RAD.	430.	440.	422.	407.	397.	375.	376.	417.	438.	444.	473.	466.	424.
PRECIP.	34.	41.	54.	64.	40.	32.	14.	10.	16.	48.	51.	42.	446.
POT ET	96.	88.	93.	87.	87.	77.	79.	88.	90.	98.	101.	103.	1087.
DEF PREC	62.	47.	39.	23.	47.	45.	65.	78.	74.	50.	50.	61.	641.
DEP PREC	17.	21.	30.	36.	21.	16.	4.	1.	5.	26.	28.	22.	
MAI	.18	.24	.32	.42	.24	.20	.05	.02	.06	.26	.27	.21	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

## LIBERTAD ILA

LAT 2 11S LON 80 58

5. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	27.5	27.4	26.9	25.9	24.9	24.0	23.6	23.8	23.9	24.5	25.5	25.3
MEAN R.H.	83.	80.	80.	80.	84.	81.	87.	90.	88.	87.	86.	86.	84.
PCT SUN	21.	27.	31.	36.	24.	17.	14.	16.	17.	11.	15.	15.	20.
MEAN RAD.	293.	347.	384.	404.	317.	262.	242.	264.	285.	223.	253.	246.	294.
PRECIP.	35.	93.	85.	17.	2.	1.	1.	1.	1.	1.	3.	6.	246.
POT ET	93.	103.	125.	126.	100.	78.	73.	79.	83.	67.	74.	77.	1076.
DEF PREC	58.	10.	41.	109.	97.	77.	72.	77.	82.	66.	72.	70.	831.
DEP PREC	18.	55.	49.	6.	0.	0.	0.	0.	0.	0.	0.	0.	
MAI	.19	.53	.39	.05	.07	.00	.00	.00	.00	.00	.00	.00	

## LIMONES

LAT 1 15N LON 79 0

4. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.3	26.5	26.5	26.2	26.0	25.6	25.6	25.6	25.7	25.6	25.6	25.9
MEAN R.H.	86.	86.	87.	86.	87.	87.	86.	85.	83.	82.	80.	80.	85.
PCT SUN	19.	22.	25.	30.	22.	14.	15.	19.	21.	13.	18.	18.	20.
MEAN RAD.	282.	320.	346.	368.	299.	236.	244.	291.	311.	244.	279.	272.	291.
PRECIP.	243.	259.	354.	288.	266.	242.	207.	77.	76.	94.	50.	104.	2260.
POT ET	89.	92.	110.	114.	95.	72.	76.	91.	94.	76.	84.	85.	1078.
DEF PREC	-155.	-167.	-244.	-174.	-171.	-170.	-131.	14.	18.	-18.	34.	-19.	-1182.
DEP PREC	151.	161.	222.	179.	165.	150.	128.	44.	44.	55.	27.	62.	
MAI	1.70	1.75	2.01	1.58	1.75	2.09	1.67	.49	.46	.72	.32	.72	

## LOJA

LAT 4 05S LON 79 12

2136. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.0	16.1	16.2	16.3	16.1	15.4	15.0	15.2	15.8	16.2	16.2	16.3	15.9
MEAN R.H.	81.	81.	82.	81.	80.	78.	76.	75.	76.	78.	77.	79.	79.
PCT SUN	39.	39.	34.	35.	36.	38.	39.	40.	39.	42.	48.	46.	40.
MEAN RAD.	396.	414.	398.	402.	393.	392.	405.	425.	429.	437.	444.	421.	413.
PRECIP.	78.	82.	99.	89.	49.	54.	46.	44.	48.	60.	51.	65.	765.
POT ET	95.	90.	97.	95.	95.	90.	95.	100.	99.	106.	104.	102.	1169.
DEF PREC	17.	8.	-2.	6.	46.	36.	49.	56.	51.	46.	53.	37.	404.
DEP PREC	45.	48.	58.	52.	26.	30.	24.	23.	26.	33.	28.	37.	
MAI	.47	.53	.60	.55	.28	.33	.26	.23	.26	.31	.27	.36	

[illegible]

LAT 4 23S LON 79 57 430. METERS

[illegible]

LAT 3 17S LON 79 56 4. METERS

[illegible]

LAT 0 57S LON 80 42 6. METERS

1. 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023 2023-2024 2024-2025 2025-2026 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 2033-2034 2034-2035 2035-2036 2036-2037 2037-2038 2038-2039 2039-2040 2040-2041 2041-2042 2042-2043 2043-2044 2044-2045 2045-2046 2046-2047 2047-2048 2048-2049 2049-2050 2050-2051 2051-2052 2052-2053 2053-2054 2054-2055 2055-2056 2056-2057 2057-2058 2058-2059 2059-2060 2060-2061 2061-2062 2062-2063 2063-2064 2064-2065 2065-2066 2066-2067 2067-2068 2068-2069 2069-2070 2070-2071 2071-2072 2072-2073 2073-2074 2074-2075 2075-2076 2076-2077 2077-2078 2078-2079 2079-2080 2080-2081 2081-2082 2082-2083 2083-2084 2084-2085 2085-2086 2086-2087 2087-2088 2088-2089 2089-2090 2090-2091 2091-2092 2092-2093 2093-2094 2094-2095 2095-2096 2096-2097 2097-2098 2098-2099 2099-2100 2100-2101 2101-2102 2102-2103 2103-2104 2104-2105 2105-2106 2106-2107 2107-2108 2108-2109 2109-2110 2110-2111 2111-2112 2112-2113 2113-2114 2114-2115 2115-2116 2116-2117 2117-2118 2118-2119 2119-2120 2120-2121 2121-2122 2122-2123 2123-2124 2124-2125 2125-2126 2126-2127 2127-2128 2128-2129 2129-2130 2130-2131 2131-2132 2132-2133 2133-2134 2134-2135 2135-2136 2136-2137 2137-2138 2138-2139 2139-2140 2140-2141 2141-2142 2142-2143 2143-2144 2144-2145 2145-2146 2146-2147 2147-2148 2148-2149 2149-2150 2150-2151 2151-2152 2152-2153 2153-2154 2154-2155 2155-2156 2156-2157 2157-2158 2158-2159 2159-2160 2160-2161 2161-2162 2162-2163 2163-2164 2164-2165 2165-2166 2166-2167 2167-2168 2168-2169 2169-2170 2170-2171 2171-2172 2172-2173 2173-2174 2174-2175 2175-2176 2176-2177 2177-2178 2178-2179 2179-2180 2180-2181 2181-2182 2182-2183 2183-2184 2184-2185 2185-2186 2186-2187 2187-2188 2188-2189 2189-2190 2190-2191 2191-2192 2192-2193 2193-2194 2194-2195 2195-2196 2196-2197 2197-2198 2198-2199 2199-2200 2200-2201 2201-2202 2202-2203 2203-2204 2204-2205 2205-2206 2206-2207 2207-2208 2208-2209 2209-2210 2210-2211 2211-2212 2212-2213 2213-2214 2214-2215 2215-2216 2216-2217 2217-2218 2218-2219 2219-2220 2220-2221 2221-2222 2222-2223 2223-2224 2224-2225 2225-2226 2226-2227 2227-2228 2228-2229 2229-2230 2230-2231 2231-2232 2232-2233 2233-2234 2234-2235 2235-2236 2236-2237 2237-2238 2238-2239 2239-2240 2240-2241 2241-2242 2242-2243 2243-2244 2244-2245 2245-2246 2246-2247 2247-2248 2248-2249 2249-2250 2250-2251 2251-2252 2252-2253 2253-2254 2254-2255 2255-2256 2256-2257 2257-2258 2258-2259 2259-2260 2260-2261 2261-2262 2262-2263 2263-2264 2264-2265 2265-2266 2266-2267 2267-2268 2268-2269 2269-2270 2270-2271 2271-2272 2272-2273 2273-2274 2274-2275 2275-2276 2276-2277 2277-2278 2278-2279 2279-2280 2280-2281 2281-2282 2282-2283 2283-2284 2284-2285 2285-2286 2286-2287 2287-2288 2288-2289 2289-2290 2290-2291 2291-2292 2292-2293 2293-2294 2294-2295 2295-2296 2296-2297 2297-2298 2298-2299 2299-2300 2300-2301 2301-2302 2302-2303 2303-2304 2304-2305 2305-2306 2306-2307 2307-2308 2308-2309 2309-2310 2310-2311 2311-2312 2312-2313 2313-2314 2314-2315 2315-2316 2316-2317 2317-2318 2318-2319 2319-2320 2320-2321 2321-2322 2322-2323 2323-2324 2324-2325 2325-2326 2326-2327 2327-2328 2328-2329 2329-2330 2330-2331 2331-2332 2332-2333 2333-2334 2334-2335 2335-2336 2336-2337 2337-2338 2338-2339 2339-2340 2340-2341 2341-2342 2342-2343 2343-2344 2344-2345 2345-2346 2346-2347 2347-2348 2348-2349 2349-2350 2350-2351 2351-2352 2352-2353 2353-2354 2354-2355 2355-2356 2356-2357 2357-2358 2358-2359 2359-2360 2360-2361 2361-2362 2362-2363 2363-2364 2364-2365 2365-2366 2366-2367 2367-2368 2368-2369 2369-2370 2370-2371 2371-2372 2372-2373 2373-2374 2374-2375 2375-2376 2376-2377 2377-2378 2378-2379 2379-2380 2380-2381 2381-2382 2382-2383 2383-2384 2384-2385 2385-2386 2386-2387 2387-2388 2388-2389 2389-2390 2390-2391 2391-2392 2392-2393 2393-2394 2394-2395 2395-2396 2396-2397 2397-2398 2398-2399 2399-2400 2400-2401 2401-2402 2402-2403 2403-2404 2404-2405 2405-2406 2406-2407 2407-2408 2408-2409 2409-2410 2410-2411 2411-2412 2412-2413 2413-2414 2414-2415 2415-2416 2416-2417 2417-2418 2418-2419 2419-2420 2420-2421 2421-2422 2422-2423 2423-2424 2424-2425 2425-2426 2426-242

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

MEÑDEZ

LAT 2 43S LON 78 19 620. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	23.9	23.7	23.0	23.6	22.8	22.4	22.6	23.3	24.6	24.7	24.4	23.6
MEAN R.H.	88.	89.	88.	88.	89.	90.	88.	86.	85.	87.	85.	85.	87.
PCT SUN	21.	20.	14.	17.	20.	19.	21.	26.	27.	25.	31.	23.	22.
MEAN RAD.	293.	298.	255.	282.	290.	275.	292.	341.	357.	340.	362.	305.	308.
PRECIP.	155.	146.	242.	297.	308.	273.	227.	178.	203.	259.	165.	138.	2591.
POT ET	88.	91.	76.	80.	86.	78.	84.	99.	102.	104.	107.	92.	1077.
DEF PREC	-67.	-65.	-166.	-217.	-222.	-196.	-143.	-79.	-101.	-155.	-58.	-46.	-1515.
DEP PREC	94.	89.	150.	185.	192.	170.	140.	109.	125.	161.	101.	83.	
MAI	1.07	1.10	1.97	2.32	2.23	2.19	1.67	1.10	1.23	1.55	.94	.90	

MILAGRO

LAT 2 9S LON 79 36 13. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.6	26.0	26.1	25.4	24.1	23.2	23.2	23.5	23.7	24.1	25.2	24.6
MEAN R.H.	78.	80.	86.	83.	83.	84.	83.	81.	79.	79.	78.	75.	81.
PCT SUN	23.	27.	26.	33.	25.	16.	16.	22.	23.	14.	19.	20.	22.
MEAN RAD.	313.	348.	351.	388.	322.	251.	258.	310.	328.	252.	283.	285.	308.
PRECIP.	358.	400.	340.	235.	84.	12.	9.	1.	3.	2.	4.	44.	1492.
POT ET	97.	98.	111.	119.	100.	73.	76.	91.	94.	75.	83.	88.	1106.
DEF PREC	-261.	-302.	-229.	-116.	16.	61.	67.	90.	91.	73.	79.	44.	-386.
DEP PREC	224.	251.	213.	145.	49.	3.	1.	0.	0.	0.	0.	23.	
MAI	2.31	2.56	1.92	1.22	.49	.04	.01	.00	.00	.00	.00	.26	

OLMEDO

LAT 1 23S LON 80 13 60. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.9	26.1	25.1	23.5	22.1	21.1	20.7	20.8	21.3	22.0	23.0	23.1
MEAN R.H.	80.	84.	85.	83.	82.	81.	78.	79.	77.	74.	72.	72.	79.
PCT SUN	22.	24.	27.	33.	25.	17.	19.	23.	24.	15.	21.	21.	23.
MEAN RAD.	308.	331.	358.	387.	324.	260.	274.	317.	336.	267.	303.	296.	313.
PRECIP.	315.	307.	415.	243.	187.	53.	26.	1.	8.	5.	7.	45.	1612.
POT ET	95.	94.	113.	115.	96.	72.	76.	87.	90.	75.	84.	87.	1084.
DEF PREC	-220.	-213.	-302.	-128.	-91.	19.	50.	86.	82.	70.	77.	42.	-528.
DEP PREC	197.	192.	261.	151.	115.	29.	12.	0.	0.	0.	0.	24.	
MAI	2.07	2.04	2.30	1.30	1.19	.40	.15	.00	.00	.00	.00	.28	

IRATION AND PRECIPITATION DEFECIT FOR DOMINICAN

LAT 19 14 LON 70 32 109. METERS

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
24.5	25.8	26.3	27.2	27.4	27.7	27.6	26.9	24.3	23.7	25.6
75.	76.	64.	69.	70.	63.	67.	66.	69.	77.	70.
550.	600.	570.	600.	600.	560.	540.	480.	430.	420.	521.
62.	118.	246.	99.	106.	91.	126.	143.	156.	99.	1426.
167.	182.	181.	189.	196.	184.	171.	154.	126.	125.	1926.
105.	64.	-65.	90.	90.	93.	45.	11.	-30.	26.	500.
29.	76.	184.	60.	66.	53.	83.	97.	108.	60.	
0.17	0.42	1.01	0.32	0.34	0.29	0.49	0.63	0.86	0.48	

NOV	DEC	ANNUAL
14.5	14.4	14.1
84.	84.	84.
40.	40.	35.
422.	412.	388.
79.	74.	834.
94.	95.	1038.
15.	21.	204.
46.	42.	
.49	.45	

NOV	DEC	ANNUAL
10.8	11.1	10.9
85.	85.	87.
39.	39.	31.
408.	397.	364.
28.	31.	406.
80.	81.	872.
52.	50.	465.
13.	15.	
.16	.18	

NOV	DEC	ANNUAL
10.1	9.9	9.4
88.	88.	89.
35.	35.	28.
392.	383.	349.
116.	98.	1644.
75.	75.	792.
-41.	-23.	-852.
69.	58.	
.92	.77	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR ECUADOR

PATATE	LAT 1 18S LON 78 30 2361. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.0	17.0	17.0	17.0	17.0	15.9	15.2	15.5	16.1	16.8	17.2	17.2	16.6
MEAN R.H.	81.	81.	80.	82.	82.	83.	83.	83.	81.	80.	79.	80.	81.
PCT SUN	39.	39.	36.	34.	34.	33.	33.	33.	35.	40.	46.	45.	37.
MEAN RAD.	409.	423.	411.	392.	374.	357.	362.	380.	405.	433.	447.	430.	402.
PRECIP.	43.	41.	50.	60.	55.	91.	66.	58.	42.	54.	37.	48.	655.
POT ET	101.	95.	102.	94.	93.	83.	85.	90.	95.	107.	108.	108.	1161.
DEF PREC	59.	54.	52.	34.	38.	-8.	19.	32.	53.	43.	71.	60.	506.
DEP PREC	23.	21.	27.	33.	30.	53.	37.	32.	22.	36.	19.	26.	
MAI	.22	.22	.26	.35	.33	.64	.44	.36	.23	.34	.17	.24	

PILLARO	LAT 1 10S LON 78 32 2806. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.7	11.8	12.1	12.2	12.1	11.3	10.6	10.6	11.3	11.9	12.1	12.2	11.7
MEAN R.H.	78.	78.	80.	78.	79.	82.	84.	80.	79.	78.	75.	76.	79.
PCT SUN	42.	42.	36.	38.	37.	34.	32.	36.	37.	42.	50.	49.	39.
MEAN RAD.	424.	439.	412.	412.	389.	362.	356.	395.	415.	444.	467.	451.	414.
PRECIP.	74.	68.	72.	100.	57.	89.	55.	49.	59.	74.	60.	45.	802.
POT ET	89.	83.	87.	85.	83.	72.	72.	80.	83.	94.	96.	96.	1020.
DEF PREC	15.	15.	16.	-15.	26.	-17.	17.	31.	24.	20.	36.	51.	218.
DEP PREC	42.	39.	41.	59.	31.	52.	30.	26.	33.	42.	33.	24.	
MAI	.48	.46	.47	.69	.38	.72	.42	.33	.40	.45	.35	.25	

PICHILINGUE	LAT 1 6S LON 79 29 73. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.5	25.7	24.8	23.5	22.8	23.3	24.0	24.1	24.3	25.1	24.5
MEAN R.H.	86.	86.	87.	86.	87.	87.	86.	85.	83.	82.	80.	80.	85.
PCT SUN	19.	22.	25.	30.	22.	14.	15.	19.	21.	13.	18.	18.	20.
MEAN RAD.	283.	320.	346.	368.	298.	236.	244.	291.	311.	244.	280.	273.	291.
PRECIP.	510.	480.	421.	328.	120.	33.	9.	11.	9.	20.	20.	112.	2073.
POT ET	87.	89.	108.	112.	92.	68.	71.	86.	90.	73.	82.	84.	1042.
DEF PREC	-423.	-391.	-313.	-216.	-28.	35.	62.	75.	82.	53.	62.	-28.	-1031.
DEP PREC	321.	302.	264.	205.	72.	16.	1.	2.	1.	8.	8.	67.	
MAI	3.69	3.38	2.45	1.84	.78	.24	.01	.02	.01	.11	.10	.79	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

PORTOVELO

LAT 3 47S LON 79 27 698. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.1	23.4	23.5	23.0	22.7	22.7	23.2	23.7	23.8	23.6	23.3	23.2
MEAN R.H.	84.	85.	86.	84.	84.	84.	82.	79.	78.	80.	79.	80.	82.
PCT SUN	20.	23.	26.	32.	24.	16.	17.	23.	23.	13.	18.	18.	21.
MEAN RAD.	283.	319.	350.	385.	321.	256.	266.	321.	332.	247.	275.	264.	302.
PRECIP.	305.	337.	359.	258.	119.	21.	2.	3.	15.	28.	29.	130.	1606.
POT ET	83.	85.	103.	110.	94.	72.	77.	95.	96.	74.	79.	78.	1046.
DEF PREC	-222.	-252.	-255.	-148.	-25.	51.	75.	91.	81.	46.	50.	-52.	-560.
DEP PREC	190.	211.	225.	160.	71.	9.	0.	0.	5.	13.	14.	78.	
MAI	2.30	2.49	2.17	1.45	.76	.12	.00	.00	.05	.18	.17	1.01	

PORTOVIEJO

LAT 1 45S LON 80 26 44. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	25.7	26.0	26.1	25.4	24.5	23.9	23.8	24.0	24.1	24.2	25.2	24.9
MEAN R.H.	78.	81.	81.	80.	79.	79.	77.	77.	77.	76.	75.	73.	78.
PCT SUN	23.	26.	31.	36.	27.	18.	19.	24.	24.	15.	20.	21.	24.
MEAN RAD.	317.	346.	380.	403.	336.	266.	276.	323.	336.	262.	296.	294.	319.
PRECIP.	92.	174.	151.	75.	26.	10.	7.	1.	2.	2.	4.	13.	557.
POT ET	99.	98.	120.	123.	105.	78.	82.	97.	98.	79.	86.	91.	1155.
DEF PREC	7.	-76.	-31.	48.	79.	68.	75.	96.	96.	77.	82.	78.	598.
DEP PREC	54.	106.	92.	43.	12.	1.	0.	0.	0.	0.	0.	3.	
MAI	.55	1.09	.76	.35	.11	.02	.00	.00	.00	.00	.00	.04	

PUERTO BOLIVAR

LAT 3 16S LON 80 0 6. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	26.6	26.5	25.7	23.9	23.2	22.8	23.0	23.2	23.7	25.0	24.7
MEAN R.H.	91.	81.	81.	82.	83.	84.	85.	85.	85.	84.	83.	82.	83.
PCT SUN	22.	26.	31.	34.	25.	16.	15.	19.	19.	12.	16.	17.	21.
MEAN RAD.	298.	340.	378.	395.	325.	254.	253.	294.	302.	234.	263.	259.	300.
PRECIP.	66.	135.	160.	58.	12.	14.	10.	9.	10.	14.	7.	11.	505.
POT ET	94.	98.	121.	122.	102.	74.	75.	86.	86.	69.	76.	80.	1080.
DEF PREC	28.	-37.	-39.	64.	90.	60.	65.	77.	76.	55.	69.	69.	575.
DEP PREC	37.	81.	97.	32.	3.	4.	1.	1.	1.	4.	0.	2.	
MAI	.40	.83	.81	.26	.03	.05	.02	.01	.02	.06	.00	.03	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

QUITO	LAT 0 12S LON 78 29 2819. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.0	13.0	12.9	13.0	13.1	13.0	12.9	13.1	13.2	12.9	12.8	13.0	13.0
MEAN R.H.	74.	77.	77.	81.	78.	73.	67.	64.	67.	77.	80.	77.	74.
PCT SUN	46.	43.	38.	35.	39.	42.	46.	48.	46.	43.	45.	48.	43.
MEAN RAD.	447.	447.	427.	396.	398.	396.	423.	455.	464.	451.	446.	452.	433.
PRECIP.	125.	135.	158.	180.	129.	50.	19.	22.	81.	131.	112.	106.	1248.
POT ET	98.	88.	93.	84.	88.	84.	92.	100.	99.	98.	94.	99.	1118.
DEF PREC	-27.	-46.	-65.	-96.	-41.	34.	73.	78.	18.	-33.	-18.	-7.	-131.
DEP PREC	75.	81.	96.	110.	78.	27.	7.	9.	47.	79.	67.	63.	
MAI	.77	.92	1.03	1.31	.89	.32	.08	.09	.47	.80	.71	.64	

RICBAMBA	LAT 1 38S LON 78 40 2797. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.6	13.7	13.5	13.5	13.2	12.4	12.2	12.4	12.5	13.4	13.7	13.8	13.2
MEAN R.H.	76.	78.	78.	79.	78.	79.	76.	74.	75.	76.	75.	77.	77.
PCT SUN	44.	42.	38.	37.	38.	37.	39.	41.	40.	44.	50.	48.	41.
MEAN RAD.	431.	438.	421.	408.	395.	378.	396.	423.	434.	453.	465.	444.	424.
PRECIP.	27.	40.	46.	55.	33.	29.	10.	16.	23.	48.	32.	29.	388.
POT ET	96.	89.	94.	88.	87.	78.	84.	91.	90.	100.	101.	100.	1099.
DEF PREC	69.	49.	48.	33.	54.	49.	75.	75.	67.	52.	69.	71.	711.
DEP PREC	12.	21.	24.	30.	16.	14.	1.	5.	10.	26.	16.	14.	
HAI	.13	.23	.26	.34	.19	.17	.02	.06	.11	.26	.15	.14	

[illegible]

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

SAN CRISTOBAL		LAT 0 54S LON 89 37		6. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.9	26.2	25.7	25.1	23.7	22.5	21.6	21.4	21.9	22.6	23.7	23.8
MEAN R.H.	80.	82.	82.	82.	80.	78.	83.	87.	78.	77.	75.	74.	80.
PCT SUN	22.	25.	30.	34.	27.	19.	16.	18.	23.	14.	20.	20.	22.
MEAN RAD.	310.	342.	375.	392.	332.	268.	255.	280.	332.	259.	296.	292.	311.
PRECIP.	45.	116.	91.	72.	19.	3.	9.	6.	6.	6.	6.	12.	391.
POT ET	96.	97.	119.	119.	102.	77.	74.	79.	90.	74.	83.	87.	1097.
DEF PREC	51.	-19.	29.	47.	83.	74.	65.	73.	84.	68.	77.	75.	706.
DEP PREC	24.	69.	53.	41.	7.	0.	1.	0.	0.	0.	0.	3.	
MAT	.25	.71	.45	.35	.07	.00	.01	.00	.00	.00	.00	.03	

SAN GABRIEL		LAT 0 36N LON 77 50		2861. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.7	11.8	12.1	12.2	12.1	11.3	10.6	10.6	11.3	11.9	12.1	12.2	11.7
MEAN R.H.	84.	83.	84.	84.	84.	84.	84.	84.	82.	82.	82.	84.	83.
PCT SUN	36.	37.	32.	32.	32.	32.	32.	32.	34.	38.	42.	40.	35.
MEAN RAD.	394.	413.	390.	380.	361.	349.	354.	372.	399.	423.	433.	410.	390.
PRECIP.	94.	86.	86.	93.	71.	61.	38.	41.	42.	101.	87.	138.	938.
POT ET	83.	78.	83.	78.	77.	70.	71.	75.	80.	89.	89.	87.	960.
DEF PREC	-11.	-8.	-3.	-15.	6.	9.	33.	34.	38.	-12.	2.	-50.	22.
DEP PREC	55.	50.	50.	55.	41.	34.	19.	21.	22.	60.	51.	83.	
MAT	.67	.64	.61	.70	.53	.49	.27	.28	.27	.67	.57	.95	

SAN LORENZO		LAT 1 17N LON 78 51		5. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.3	26.5	26.5	26.2	26.0	25.6	25.6	25.6	25.7	25.6	25.6	25.9
MEAN R.H.	80.	85.	86.	86.	87.	87.	87.	87.	86.	86.	85.	86.	86.
PCT SUN	22.	23.	26.	30.	22.	14.	14.	18.	19.	11.	15.	15.	19.
MEAN RAD.	308.	325.	352.	369.	299.	236.	240.	281.	296.	229.	260.	249.	287.
PRECIP.	259.	279.	258.	333.	279.	284.	237.	110.	107.	127.	97.	126.	2496.
POT ET	97.	93.	112.	114.	95.	72.	75.	88.	90.	72.	79.	78.	1063.
DEF PREC	-162.	-136.	-146.	-219.	-184.	-212.	-162.	-22.	-17.	-55.	-18.	-48.	-1433.
DEP PREC	161.	174.	160.	208.	174.	177.	147.	65.	63.	76.	57.	76.	
MAT	1.66	1.86	1.43	1.83	1.83	2.45	1.96	.75	.71	1.06	.73	.97	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

## SANTA ISABEL

LAT 3 20S LON 79 20 1599. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.8	19.1	19.2	19.2	20.0	19.9	20.5	20.6	20.2	19.5	19.3	19.3	19.6
MEAN R.H.	84.	84.	83.	79.	87.	88.	88.	83.	88.	88.	85.	84.	85.
PCT SUN	20.	24.	29.	37.	22.	14.	14.	21.	17.	10.	15.	16.	20.
MEAN RAD.	285.	326.	368.	411.	304.	237.	240.	304.	285.	218.	254.	251.	290.
PRECIP.	38.	43.	107.	83.	28.	9.	6.	3.	8.	16.	9.	31.	381.
POT ET	75.	78.	97.	105.	82.	62.	66.	84.	75.	58.	65.	67.	913.
DEF PREC	36.	35.	-10.	22.	54.	53.	60.	81.	67.	42.	56.	36.	533.
DEP PREC	19.	23.	63.	48.	13.	1.	0.	0.	0.	5.	1.	15.	
MAI	.26	.29	.65	.46	.16	.01	.00	.00	.00	.09	.01	.22	

## SANTO DOMINGO COLO

LAT 0 14S LON 79 4 660. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.0	22.4	22.9	23.0	22.7	22.1	21.6	21.7	21.7	21.4	21.2	21.5	22.0
MEAN R.H.	84.	84.	85.	85.	84.	84.	83.	83.	82.	83.	84.	84.	84.
PCT SUN	36.	36.	31.	31.	32.	32.	33.	33.	34.	37.	40.	40.	35.
MEAN RAD.	396.	408.	384.	373.	360.	348.	358.	377.	399.	418.	422.	412.	388.
PRECIP.	504.	493.	565.	515.	327.	161.	110.	52.	110.	94.	68.	162.	3161.
POT ET	113.	106.	112.	106.	105.	96.	101.	107.	109.	117.	114.	116.	1303.
DEF PREC	-391.	-387.	-453.	-409.	-222.	-65.	-9.	55.	-1.	23.	46.	-46.	-1858.
DEP PREC	318.	311.	357.	325.	204.	98.	65.	28.	65.	55.	39.	99.	
MAI	2.81	2.92	3.19	3.07	1.95	1.02	.65	.27	.60	.47	.34	.85	

## TABACUNDO

LAT 0 3N LON 78 13 2877. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.0	13.0	12.9	13.0	13.1	13.0	12.9	13.1	13.2	12.9	12.8	13.0	13.0
MEAN R.H.	78.	81.	80.	82.	75.	74.	73.	73.	72.	77.	79.	80.	77.
PCT SUN	42.	39.	36.	34.	40.	41.	42.	42.	42.	43.	46.	45.	41.
MEAN RAD.	429.	426.	412.	390.	402.	392.	402.	423.	445.	451.	452.	437.	422.
PRECIP.	76.	88.	98.	96.	61.	45.	10.	16.	44.	93.	94.	73.	793.
POT ET	94.	84.	90.	83.	88.	83.	88.	93.	95.	98.	95.	96.	1088.
DEF PREC	18.	-4.	-8.	-13.	27.	38.	78.	77.	51.	6.	1.	23.	294.
DEP PREC	44.	51.	58.	56.	34.	24.	1.	5.	23.	55.	55.	42.	
MAI	.46	.61	.64	.68	.39	.29	.02	.06	.24	.55	.58	.44	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

TIPUTINI	LAT 0 45S LON 75 32 220. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.1	25.3	25.2	25.2	25.0	24.5	24.7	25.6	25.6	25.8	25.5	25.4
MEAN R.H.	84.	85.	88.	89.	89.	89.	89.	88.	86.	87.	86.	86.	87.
PCT SUN	24.	23.	14.	17.	21.	20.	20.	24.	26.	25.	30.	22.	22.
MEAN RAD.	321.	327.	256.	274.	291.	276.	280.	325.	351.	344.	363.	307.	310.
PRECIP.	109.	115.	229.	234.	298.	316.	261.	214.	217.	205.	114.	137.	2449.
POT ET	102.	93.	79.	82.	90.	82.	85.	99.	106.	107.	110.	96.	1133.
DEF PREC	-7.	-22.	-150.	-152.	-208.	-234.	-176.	-115.	-111.	-97.	-4.	-41.	-1316.
DEP PREC	65.	69.	142.	145.	186.	197.	162.	132.	134.	126.	68.	83.	
MAI	.63	.74	1.78	1.77	2.06	2.40	1.91	1.33	1.26	1.17	.62	.86	

TISALEO	LAT 1 18S LON 78 40 3328. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	12.0	12.0	12.0	11.6	11.5	10.6	10.0	10.2	11.2	11.8	12.4	12.0	11.4
MEAN R.H.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.
PCT SUN	40.	40.	36.	36.	36.	36.	36.	36.	36.	40.	45.	45.	38.
MEAN RAD.	414.	428.	411.	403.	384.	372.	377.	396.	410.	433.	441.	430.	408.
PRECIP.	45.	52.	55.	82.	68.	70.	55.	41.	41.	47.	32.	44.	632.
POT ET	88.	82.	87.	81.	80.	73.	74.	79.	82.	91.	92.	91.	999.
DEF PREC	43.	30.	32.	-1.	12.	2.	19.	38.	41.	44.	60.	47.	366.
DEP PREC	24.	28.	30.	48.	39.	40.	30.	21.	21.	25.	16.	23.	
MAI	.27	.35	.35	.58	.48	.55	.41	.27	.26	.28	.17	.25	

TULCAN	LAT 0 49N LON 77 42 2951. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.0	11.1	11.2	11.3	11.4	10.7	10.2	10.1	10.6	11.2	11.4	11.4	11.0
MEAN R.H.	84.	83.	81.	85.	82.	83.	82.	82.	81.	83.	83.	83.	83.
PCT SUN	36.	37.	35.	31.	34.	33.	34.	34.	35.	37.	41.	41.	36.
MEAN RAD.	393.	413.	407.	374.	373.	355.	366.	384.	405.	417.	426.	416.	394.
PRECIP.	69.	70.	78.	95.	78.	47.	20.	25.	35.	96.	104.	91.	808.
POT ET	80.	77.	84.	75.	77.	70.	73.	76.	79.	86.	85.	86.	947.
DEF PREC	11.	6.	6.	-20.	-1.	23.	53.	51.	44.	-10.	-18.	-5.	139.
DEP PREC	39.	40.	45.	56.	45.	25.	8.	11.	17.	56.	62.	53.	
MAI	.49	.52	.54	.75	.58	.36	.11	.14	.22	.66	.72	.62	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR ECUADOR

UYUMBICHO

LAT 0 24S LON 78 32 2726. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	13.0	13.0	12.9	13.0	13.1	13.0	12.9	13.1	13.2	12.9	12.8	13.0	13.0
MEAN R.H.	77.	78.	78.	79.	77.	74.	72.	71.	72.	76.	78.	77.	76.
PCT SUN	43.	42.	38.	37.	38.	41.	42.	43.	42.	44.	47.	48.	42.
MEAN RAD.	433.	441.	422.	406.	395.	393.	407.	432.	446.	455.	456.	450.	428.
PRECIP.	155.	196.	185.	182.	168.	82.	38.	31.	85.	124.	134.	162.	1542.
POT ET	95.	87.	92.	86.	87.	83.	89.	95.	95.	99.	96.	99.	1103.
DEF PREC	-60.	-109.	-93.	-96.	-81.	1.	51.	64.	10.	-25.	-38.	-63.	-439.
DEF PREC	94.	121.	113.	112.	103.	48.	19.	15.	50.	74.	81.	99.	
MAI	.99	1.38	1.23	1.30	1.19	.57	.22	.16	.52	.75	.84	1.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR FRENCH GUIANA

CAMOPI	LAT 3 10 LON 52 20 62. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.3	25.6	26.4	26.8	26.5	26.5	26.9	27.3	26.9	26.4	25.8	26.3
MEAN R.H.	93.	87.	88.	89.	81.	88.	74.	75.	73.	69.	72.	73.	80.
PCT SUN	32.	45.	45.	42.	55.	43.	64.	63.	66.	70.	67.	66.	55.
MEAN RAD.	288.	386.	392.	427.	456.	388.	482.	509.	505.	523.	464.	450.	439.
PRECIP.	392.	274.	331.	412.	340.	335.	177.	118.	43.	43.	76.	175.	2716.
POT ET	120.	130.	145.	131.	147.	120.	154.	164.	175.	188.	174.	172.	1819.
DEF PREC	-272.	-144.	-186.	-281.	-194.	-215.	-23.	46.	132.	145.	98.	-3.	-897.
DEP PREC	289.	198.	242.	305.	249.	245.	123.	78.	20.	20.	45.	122.	
MAI	2.41	1.52	1.68	2.32	1.70	2.05	0.80	0.47	0.11	0.10	0.26	0.71	

CAYENNE-VILLE	LAT 4 57 LON 52 20 3. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	84.	87.	84.	89.	89.	90.	72.	71.	69.	70.	75.	77.	80.
PCT SUN	51.	46.	51.	41.	43.	41.	67.	68.	72.	70.	64.	60.	56.
MEAN RAD.	395.	398.	421.	419.	396.	369.	480.	522.	525.	526.	456.	435.	445.
PRECIP.	222.	292.	289.	505.	521.	419.	180.	73.	30.	44.	142.	238.	2955.
POT ET	154.	134.	154.	130.	128.	114.	154.	169.	182.	190.	172.	168.	1849.
DEF PREC	-68.	-158.	-135.	-375.	-393.	-305.	-26.	96.	152.	146.	30.	-70.	-1106.
DEP PREC	158.	212.	210.	377.	389.	310.	126.	43.	10.	20.	96.	170.	
MAI	1.03	1.58	1.36	2.90	3.05	2.72	0.82	0.25	0.05	0.11	0.56	1.01	

DD EDMOND	LAT 4 37 LON 52 27 8. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.6	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	95.	91.	90.	94.	89.	89.	75.	80.	89.	84.	76.	83.	86.
PCT SUN	28.	38.	40.	31.	42.	42.	63.	57.	42.	51.	62.	52.	46.
MEAN RAD.	267.	349.	368.	363.	394.	373.	470.	479.	392.	438.	449.	396.	395.
PRECIP.	428.	407.	434.	630.	530.	403.	292.	199.	103.	105.	170.	342.	4043.
POT ET	114.	121.	138.	112.	127.	115.	150.	155.	139.	161.	170.	156.	1658.
DEF PREC	-314.	-286.	-297.	-518.	-403.	-288.	-142.	-44.	36.	56.	-0.	-186.	-2395.
DEP PREC	317.	301.	322.	473.	396.	298.	212.	140.	66.	67.	118.	251.	
MAI	2.78	2.49	2.34	4.22	3.12	2.58	1.41	0.91	0.47	0.42	0.69	1.61	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR FRENCH GUIANA

O SANTI		LAT 4 19 LON 54 25 48. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.9	26.5	26.6	27.0	27.3	27.0	26.4	25.8	26.3
MEAN R.H.	85.	82.	80.	88.	82.	87.	75.	79.	72.	80.	73.	75.	80.
PCT SUN	49.	54.	56.	44.	54.	46.	64.	59.	68.	57.	65.	64.	57.
MEAN RAD.	383.	433.	449.	437.	445.	394.	474.	487.	509.	467.	461.	447.	449.
PRECIP.	238.	176.	184.	366.	346.	308.	242.	176.	35.	79.	107.	191.	2448.
POT ET	149.	144.	162.	135.	143.	122.	151.	157.	176.	170.	173.	172.	1854.
DEF PREC	-89.	-32.	-21.	-231.	-203.	-186.	-91.	-19.	141.	91.	66.	-19.	-594.
DEP PREC	170.	122.	129.	269.	254.	225.	174.	122.	14.	47.	69.	134.	
MAI	1.14	0.85	0.79	2.00	1.77	1.84	1.15	0.78	0.08	0.28	0.40	0.78	

ILE ROYALE		LAT 5 16 LON 52 35 25. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.5	26.9	26.6	26.6	27.0	27.4	27.0	26.5	25.9	26.4
MEAN R.H.	81.	83.	78.	84.	84.	89.	73.	70.	68.	69.	74.	77.	77.
PCT SUN	56.	52.	59.	51.	51.	41.	66.	70.	72.	72.	65.	61.	60.
MEAN RAD.	418.	426.	463.	465.	429.	368.	477.	526.	525.	533.	463.	440.	461.
PRECIP.	176.	221.	199.	387.	401.	421.	199.	57.	29.	38.	115.	216.	2459.
POT ET	160.	142.	167.	144.	138.	114.	153.	170.	181.	191.	174.	170.	1903.
DEF PREC	-16.	-79.	-32.	-243.	-263.	-307.	-46.	113.	152.	153.	59.	-46.	-555.
DEP PREC	122.	157.	140.	286.	296.	312.	140.	30.	9.	16.	75.	153.	
MAI	0.76	1.11	0.84	1.99	2.15	2.74	0.92	0.18	0.05	0.08	0.43	0.90	

IRACOUBO		LAT 5 29 LON 53 12 2. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	80.	87.	80.	79.	86.	90.	73.	75.	66.	67.	75.	77.	78.
PCT SUN	57.	46.	56.	58.	47.	41.	66.	63.	74.	73.	64.	61.	59.
MEAN RAD.	425.	398.	447.	495.	411.	365.	473.	501.	532.	539.	460.	442.	457.
PRECIP.	166.	305.	237.	275.	457.	433.	241.	133.	23.	32.	133.	212.	2648.
POT ET	163.	134.	163.	153.	133.	113.	152.	162.	184.	194.	173.	171.	1894.
DEF PREC	-3.	-171.	-74.	-122.	-324.	-320.	-89.	29.	161.	162.	40.	-41.	-754.
DEP PREC	115.	222.	170.	199.	340.	321.	173.	89.	4.	11.	89.	150.	
MAI	0.71	1.65	1.04	1.30	2.56	2.84	1.14	0.55	0.02	0.06	0.52	0.88	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR FRENCH GUIANA

MANA	LAT 5 40 LON 53 47 2. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	81.	82.	77.	80.	84.	87.	71.	71.	66.	64.	74.	75.	76.
PCT SUN	55.	54.	60.	57.	50.	46.	68.	68.	74.	76.	64.	63.	61.
MEAN RAD.	417.	437.	466.	490.	426.	389.	481.	519.	531.	553.	462.	452.	469.
PRECIP.	183.	201.	178.	298.	399.	336.	149.	77.	22.	20.	124.	188.	2175.
POT ET	160.	145.	168.	151.	137.	120.	154.	168.	184.	198.	174.	174.	1935.
DEF PREC	-22.	-55.	-10.	-146.	-262.	-216.	5.	91.	161.	178.	50.	-14.	-240.
DEP PREC	128.	142.	124.	217.	295.	246.	102.	46.	3.	2.	82.	132.	
MAI	0.80	0.97	0.74	1.43	2.15	2.05	0.66	0.27	0.02	0.01	0.47	0.76	

MARIPASOULA	LAT 3 38 LON 54 2 104. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	25.5	25.8	26.1	26.1	25.9	25.9	26.3	26.6	26.8	26.7	26.2	26.1
MEAN R.H.	86.	85.	83.	87.	78.	87.	75.	78.	85.	81.	74.	76.	81.
PCT SUN	48.	49.	52.	45.	60.	46.	64.	60.	49.	55.	65.	62.	55.
MEAN RAD.	376.	407.	429.	442.	474.	397.	477.	495.	429.	457.	457.	436.	440.
PRECIP.	246.	226.	206.	320.	251.	291.	206.	152.	81.	86.	111.	224.	2400.
POT ET	149.	137.	156.	135.	150.	121.	150.	157.	148.	166.	173.	170.	1812.
DEF PREC	-97.	-89.	-50.	-185.	-101.	-170.	-56.	5.	67.	80.	62.	-54.	-588.
DEP PREC	177.	161.	146.	234.	180.	211.	146.	104.	49.	53.	72.	160.	
MAI	1.18	1.17	0.93	1.73	1.20	1.75	0.97	0.66	0.33	0.32	0.42	0.94	

REGINA	LAT 4 19 LON 52 7 3. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	96.	92.	90.	94.	91.	90.	74.	76.	80.	82.	75.	82.	85.
PCT SUN	25.	36.	41.	30.	39.	41.	64.	62.	57.	53.	63.	54.	47.
MEAN RAD.	243.	341.	370.	361.	379.	371.	475.	500.	462.	450.	452.	403.	401.
PRECIP.	459.	421.	429.	622.	586.	410.	247.	141.	68.	98.	156.	319.	3956.
POT ET	107.	118.	138.	112.	122.	115.	152.	162.	162.	165.	170.	158.	1681.
DEF PREC	-352.	-303.	-291.	-510.	-464.	-295.	-95.	21.	94.	67.	14.	-161.	-2274.
DEP PREC	341.	312.	318.	467.	439.	303.	177.	95.	39.	62.	107.	233.	
MAI	3.20	2.64	2.30	4.18	3.60	2.64	1.16	0.59	0.24	0.38	0.63	1.47	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR FRENCH GUIANA

ROCHAMBEAU		LAT 4 50		LON 52 22		8. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.6	25.7	26.0	26.2	26.0	25.9	25.9	26.3	26.6	26.7	26.4	26.0	26.2
MEAN R.H.	91.	92.	90.	89.	91.	91.	75.	76.	69.	69.	74.	82.	82.
PCT SUN	39.	37.	40.	43.	38.	39.	64.	62.	71.	71.	65.	54.	52.
MEAN RAD.	332.	345.	369.	427.	375.	360.	471.	498.	522.	528.	460.	406.	424.
PRECIP.	331.	423.	432.	480.	589.	452.	274.	143.	32.	42.	122.	317.	3637.
POT ET	138.	120.	138.	131.	118.	110.	148.	158.	177.	189.	173.	160.	1759.
DEF PREC	-193.	-303.	-294.	-349.	-471.	-342.	-126.	15.	145.	147.	51.	-157.	-1878.
DEP PREC	242.	313.	320.	357.	442.	336.	198.	97.	11.	19.	81.	231.	
MAI	1.75	2.61	2.31	2.73	3.74	3.06	1.34	0.61	0.06	0.10	0.47	1.45	

SAINT-ELIE		LAT 4 49		LON 53 16		100. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.3	25.6	26.2
MEAN R.H.	82.	86.	86.	86.	84.	85.	74.	75.	80.	81.	79.	83.	82.
PCT SUN	53.	47.	48.	47.	51.	49.	65.	63.	57.	55.	59.	53.	54.
MEAN RAD.	406.	402.	409.	447.	433.	404.	475.	504.	464.	460.	433.	400.	436.
PRECIP.	196.	270.	308.	384.	387.	261.	204.	121.	63.	87.	232.	329.	2842.
POT ET	156.	134.	150.	137.	139.	124.	151.	162.	161.	167.	164.	156.	1801.
DEF PREC	-40.	-136.	-159.	-247.	-248.	-137.	-53.	41.	98.	80.	-68.	-173.	-1041.
DEP PREC	138.	195.	225.	283.	286.	188.	144.	80.	35.	54.	166.	241.	
MAI	0.89	1.45	1.50	2.06	2.06	1.52	0.95	0.49	0.22	0.32	1.01	1.54	

ST-GEORGES		LAT 3 53		LON 51 48		2. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.0	25.3	25.5	25.6	25.5	25.6	26.1	26.4	26.4	26.1	25.5	25.7
MEAN R.H.	95.	92.	89.	93.	88.	88.	75.	74.	70.	71.	74.	81.	83.
PCT SUN	28.	37.	43.	33.	45.	44.	63.	65.	69.	68.	65.	55.	51.
MEAN RAD.	263.	342.	383.	379.	409.	386.	473.	515.	515.	515.	458.	405.	420.
PRECIP.	434.	409.	368.	596.	499.	349.	279.	100.	38.	52.	123.	320.	3567.
POT ET	112.	117.	141.	114.	128.	116.	148.	163.	174.	183.	171.	157.	1724.
DEF PREC	-322.	-292.	-227.	-482.	-371.	-233.	-131.	63.	136.	131.	48.	-163.	-1843.
DEP PREC	322.	303.	271.	447.	372.	256.	202.	64.	16.	27.	81.	234.	
MAI	2.87	2.58	1.93	3.91	2.92	2.20	1.37	0.39	0.09	0.15	0.43	1.49	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR FRENCH GUIANA

ST-LAURENT				LAT 5 30 LON 54 2				4. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	25.7	25.8	26.1	26.2	26.2	26.5	27.0	27.4	27.5	27.0	26.2	26.4
MEAN R.H.	82.	83.	80.	83.	85.	87.	73.	79.	82.	78.	76.	76.	80.
PCT SUN	54.	52.	57.	52.	49.	45.	66.	58.	55.	59.	63.	62.	56.
MEAN RAD.	412.	426.	452.	469.	419.	384.	473.	479.	451.	479.	454.	447.	445.
PRECIP.	191.	230.	213.	322.	423.	357.	238.	194.	69.	74.	158.	198.	2668.
POT ET	160.	143.	164.	143.	133.	118.	151.	155.	158.	176.	173.	173.	1847.
DEF PREC	-31.	-87.	-49.	-179.	-290.	-239.	-87.	-39.	89.	102.	15.	-25.	-820.
DEP PREC	134.	164.	151.	235.	313.	262.	170.	136.	40.	44.	109.	140.	
MAI	0.84	1.15	0.92	1.64	2.36	2.23	1.13	0.88	0.25	0.25	0.63	0.80	

SAUL				LAT 3 37 LON 53 12				220. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.8	25.2	25.9	26.3	26.0	26.1	26.4	26.8	26.4	25.9	25.3	25.8
MEAN R.H.	87.	85.	85.	87.	82.	86.	75.	78.	80.	78.	74.	73.	81.
PCT SUN	45.	49.	50.	45.	53.	47.	64.	59.	57.	60.	65.	67.	55.
MEAN RAD.	360.	408.	418.	444.	447.	402.	476.	491.	462.	479.	456.	455.	441.
PRECIP.	273.	213.	240.	338.	352.	257.	170.	155.	64.	72.	99.	161.	2394.
POT ET	140.	135.	151.	135.	142.	123.	150.	156.	159.	172.	169.	172.	1804.
DEF PREC	-133.	-78.	-89.	-203.	-210.	-134.	-20.	1.	95.	100.	70.	11.	-590.
DEP PREC	197.	151.	172.	248.	259.	185.	118.	106.	36.	42.	63.	111.	
MAI	1.41	1.12	1.14	1.83	1.82	1.51	0.78	0.68	0.23	0.24	0.37	0.65	

SINNAMARY				LAT 5 23 LON 52 57				2. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	85.	87.	80.	86.	87.	89.	74.	69.	70.	71.	75.	79.	79.
PCT SUN	50.	46.	57.	48.	45.	41.	65.	71.	70.	69.	64.	58.	57.
MEAN RAD.	391.	396.	450.	451.	405.	368.	473.	530.	517.	520.	457.	426.	449.
PRECIP.	229.	307.	239.	434.	480.	424.	247.	46.	33.	47.	143.	257.	2886.
POT ET	152.	134.	163.	140.	131.	114.	151.	172.	179.	188.	172.	166.	1862.
DEF PREC	-77.	-173.	-76.	-295.	-349.	-310.	-95.	126.	146.	141.	29.	-91.	-1024.
DEP PREC	164.	224.	171.	322.	357.	314.	177.	22.	12.	23.	97.	185.	
MAI	1.07	1.67	1.05	2.31	2.74	2.76	1.17	0.13	0.07	0.12	0.56	1.12	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR FRENCH GUIANA

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SOPHIE

LAT 3 58 LON 53 30

98. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.3	25.6	26.2
MEAN R.H.	86.	84.	82.	90.	78.	85.	74.	78.	75.	77.	73.	70.	79.
PCT SUN	48.	50.	53.	39.	59.	49.	64.	60.	64.	61.	67.	70.	57.
MEAN RAD.	374.	415.	435.	411.	469.	408.	478.	494.	493.	487.	464.	470.	450.
PRECIP.	253.	213.	197.	447.	269.	244.	193.	154.	47.	67.	83.	127.	2294.
POT ET	146.	138.	158.	126.	150.	126.	152.	159.	170.	176.	173.	178.	1852.
DEF PREC	-107.	-75.	-40.	-321.	-119.	-118.	-41.	5.	123.	109.	90.	51.	-443.
DEP PREC	182.	151.	139.	332.	194.	175.	136.	105.	23.	38.	51.	85.	
MAI	1.25	1.10	0.88	2.63	1.29	1.39	0.89	0.66	0.13	0.22	0.29	0.47	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR GUADELOUPE

DESIRADE		LAT 16 20 LON 61 1 27. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.3	25.2	26.4	27.3	27.5	27.7	28.5	27.9	27.8	27.2	26.0	26.8
PCT SUN	70.	70.	72.	75.	56.	58.	72.	59.	68.	67.	63.	75.	67.
MEAN RAD.	440.	500.	550.	600.	530.	540.	600.	540.	550.	500.	430.	440.	518.
PRECIP.	50.	38.	38.	42.	94.	87.	99.	126.	159.	151.	123.	97.	1099.
POT ET	136.	140.	170.	185.	172.	171.	197.	180.	175.	164.	135.	139.	1964.
DEF PREC	86.	102.	132.	143.	78.	84.	103.	54.	16.	13.	12.	42.	865.
DEF PREC	10.	9.	9.	12.	56.	50.	56.	83.	111.	104.	80.	59.	
MAI	0.10	0.06	0.05	0.07	0.32	0.29	0.28	0.46	0.63	0.63	0.59	0.42	

GUSTAVIA		LAT 17 54 LON 62 52 151. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.9	25.4	26.2	27.1	27.8	27.9	28.0	27.8	27.6	26.8	25.7	26.7
PCT SUN	71.	77.	74.	75.	56.	57.	71.	59.	68.	70.	66.	79.	69.
MEAN RAD.	440.	500.	550.	600.	530.	540.	600.	540.	550.	500.	430.	440.	518.
PRECIP.	283.	181.	157.	199.	236.	252.	314.	442.	459.	458.	370.	374.	3725.
POT ET	135.	139.	171.	184.	172.	172.	198.	178.	175.	164.	134.	138.	1958.
DEF PREC	-148.	-43.	14.	-15.	-64.	-80.	-116.	-264.	-284.	-294.	-237.	-236.	-1767.
DEF PREC	215.	129.	109.	144.	175.	189.	241.	348.	363.	362.	288.	291.	
MAI	1.59	0.93	0.60	0.78	1.02	1.10	1.22	1.95	2.07	2.21	2.16	2.11	

POINTE A PITRE		LAT 16 15 LON 61 31 7. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.3	23.4	25.2	26.2	26.7	26.7	26.9	26.6	26.2	25.7	24.1	25.4
PCT SUN	70.	73.	72.	75.	56.	58.	72.	59.	68.	67.	62.	74.	67.
MEAN RAD.	440.	500.	550.	600.	530.	540.	600.	540.	550.	500.	430.	440.	518.
PRECIP.	139.	91.	97.	81.	180.	135.	214.	178.	277.	283.	214.	130.	2009.
POT ET	129.	133.	163.	180.	168.	168.	192.	174.	170.	158.	130.	133.	1894.
DEF PREC	-10.	42.	75.	99.	-12.	33.	-21.	-4.	-106.	-125.	-83.	2.	-111.
DEF PREC	94.	53.	50.	45.	128.	90.	156.	126.	209.	215.	156.	86.	
MAI	0.73	0.40	0.31	0.25	0.76	0.54	0.81	0.73	1.23	1.36	1.20	0.65	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

## ACULTZINGO

LAT 14 39 LON 91 39 1441, METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.6	18.2	18.7	19.1	19.4	19.3	19.3	19.6	19.3	18.8	18.8	18.8	19.0
PCT SUN	63.	71.	71.	46.	47.	36.	43.	43.	45.	46.	65.	64.	53.
MEAN RAD.	430.	500.	550.	470.	480.	420.	460.	460.	450.	420.	450.	420.	459.
PRECIP.	31.	16.	73.	138.	403.	614.	547.	519.	703.	524.	144.	64.	3776.
POT ET	112.	116.	144.	120.	128.	108.	122.	123.	115.	110.	114.	110.	1421.
DEF PREC	81.	100.	71.	-18.	-275.	-506.	-425.	-396.	-588.	-414.	-30.	46.	-2355.
DEP PREC	3.	0.	38.	93.	316.	493.	437.	413.	568.	417.	98.	31.	
MAI	0.03	0.00	0.27	0.77	2.47	4.57	3.58	3.36	4.92	3.80	0.86	0.28	

## AGUA BLANCA

LAT 14 31 LON 89 37 890, METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	23.9	25.1	25.6	25.1	23.9	24.5	23.9	23.4	23.4	22.8	22.8	24.0
PCT SUN	66.	70.	66.	66.	45.	43.	43.	45.	45.	46.	62.	63.	55.
MEAN RAD.	440.	500.	530.	560.	470.	460.	460.	470.	450.	420.	440.	420.	468.
PRECIP.	0.	1.	2.	6.	58.	117.	117.	131.	167.	70.	5.	6.	680.
POT ET	130.	135.	163.	169.	145.	134.	140.	141.	129.	124.	124.	122.	1657.
DEF PREC	130.	134.	161.	163.	87.	16.	23.	10.	-38.	54.	119.	116.	976.
DEP PREC	0.	0.	0.	0.	26.	75.	75.	87.	117.	36.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.18	0.56	0.54	0.62	0.91	0.29	0.00	0.00	

## ALPES (LOS)

LAT 15 24 LON 90 2 2000, METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.6	19.8	20.6	21.4	22.2	22.2	21.9	22.4	22.7	21.2	19.6	18.2	20.8
PCT SUN	62.	58.	69.	44.	46.	43.	45.	41.	41.	47.	47.	48.	49.
MEAN RAD.	420.	450.	540.	460.	480.	460.	470.	450.	430.	420.	380.	360.	443.
PRECIP.	140.	93.	78.	108.	333.	596.	609.	437.	500.	423.	225.	182.	3724.
POT ET	106.	109.	149.	125.	138.	128.	134.	130.	121.	117.	98.	93.	1447.
DEF PREC	-34.	16.	71.	17.	-195.	-468.	-475.	-307.	-379.	-306.	-127.	-90.	-2276.
DEP PREC	95.	55.	43.	68.	257.	478.	489.	344.	397.	332.	166.	130.	
MAI	0.89	0.50	0.29	0.54	1.86	3.74	3.65	2.65	3.28	2.83	1.69	1.40	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

AMATITLAN													
LAT 14 28 LON 90 37 1158. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	24.2	25.1	25.6	25.4	25.0	24.9	24.8	25.1	24.3	24.1	23.1	24.5
PCT SUN	62.	70.	66.	59.	47.	43.	43.	43.	45.	46.	65.	63.	54.
MEAN RAD.	430.	500.	530.	530.	480.	460.	460.	460.	450.	420.	450.	420.	466.
PRECIP.	1.	3.	3.	14.	114.	187.	160.	148.	198.	136.	22.	4.	990.
POT ET	125.	136.	163.	160.	149.	137.	141.	141.	134.	127.	131.	123.	1668.
DEF PREC	124.	133.	160.	146.	35.	-50.	-19.	-7.	-64.	-9.	109.	119.	678.
DEF PREC	0.	0.	0.	0.	73.	134.	111.	101.	143.	91.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.49	0.98	0.79	0.72	1.07	0.72	0.00	0.00	

ANTIGUA													
LAT 14 33 LON 90 44 1530. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.0	17.3	18.6	19.7	19.7	19.2	19.2	19.4	19.0	18.3	17.6	16.4	18.4
PCT SUN	63.	65.	71.	61.	45.	43.	43.	43.	45.	46.	65.	64.	54.
MEAN RAD.	430.	480.	550.	540.	470.	460.	460.	460.	450.	420.	450.	420.	466.
PRECIP.	2.	3.	3.	18.	107.	177.	152.	120.	199.	134.	35.	3.	953.
POT ET	104.	109.	143.	140.	126.	118.	122.	122.	115.	109.	110.	103.	1418.
DEF PREC	102.	105.	140.	122.	19.	-59.	-30.	2.	-84.	-26.	75.	100.	465.
DEF PREC	0.	0.	0.	0.	67.	126.	105.	78.	144.	90.	6.	0.	
MAI	0.00	0.00	0.00	0.00	0.53	1.07	0.86	0.64	1.26	0.83	0.06	0.00	

ANGUJATU													
LAT 14 21 LON 89 35 492. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	25.2	26.3	26.8	26.3	25.2	25.7	25.2	24.6	24.6	24.1	24.1	25.2
PCT SUN	65.	70.	65.	66.	45.	43.	43.	45.	45.	46.	62.	63.	55.
MEAN RAD.	440.	500.	530.	560.	470.	460.	460.	470.	450.	420.	440.	420.	468.
PRECIP.	0.	1.	2.	12.	42.	138.	114.	112.	133.	60.	10.	1.	625.
POT ET	134.	139.	168.	174.	149.	137.	144.	145.	133.	128.	128.	126.	1707.
DEF PREC	134.	138.	166.	162.	107.	-0.	30.	33.	-0.	68.	118.	125.	1082.
DEF PREC	0.	0.	0.	0.	12.	93.	73.	71.	89.	27.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.08	0.68	0.51	0.49	0.67	0.21	0.00	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

BALSAMOS (LOS)		LAT 14 59 LON 89 55 1271. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	22.8	23.9	24.5	23.9	22.8	23.3	22.8	22.2	22.2	21.7	21.7	22.8
PCT SUN	55.	63.	59.	44.	45.	41.	43.	43.	45.	46.	47.	56.	49.
MEAN RAD.	400.	470.	500.	460.	470.	450.	460.	460.	450.	420.	380.	390.	443.
PRECIP.	32.	25.	17.	43.	174.	585.	328.	295.	530.	383.	107.	66.	2586.
POT ET	115.	124.	150.	135.	141.	127.	136.	134.	125.	121.	104.	110.	1521.
DEF PREC	83.	98.	133.	92.	-33.	-459.	-193.	-161.	-405.	-262.	-3.	44.	-1065.
DEP PREC	4.	0.	0.	13.	123.	469.	253.	225.	422.	299.	67.	32.	
MAI	0.03	0.00	0.00	0.10	0.87	3.70	1.86	1.68	3.38	2.48	0.64	0.29	

BARRIOS		LAT 15 44 LON 88 36 2. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.8	28.1	29.4	30.1	29.9	29.3	29.5	29.5	28.2	26.4	25.8	28.1
PCT SUN	51.	46.	55.	44.	43.	39.	43.	43.	45.	47.	53.	54.	47.
MEAN RAD.	380.	400.	480.	460.	460.	440.	460.	460.	450.	420.	400.	380.	433.
PRECIP.	197.	115.	101.	133.	213.	276.	485.	311.	313.	370.	304.	258.	3076.
POT ET	118.	113.	159.	152.	159.	147.	157.	157.	149.	139.	123.	119.	1693.
DEF PREC	-79.	-2.	58.	19.	-54.	-129.	-328.	-154.	-164.	-231.	-181.	-139.	-1383.
DEP PREC	143.	74.	62.	89.	156.	209.	384.	238.	240.	288.	232.	194.	
MAI	1.21	0.65	0.39	0.58	0.98	1.42	2.45	1.52	1.61	2.07	1.88	1.62	

BELIZ		LAT 14 40 LON 90 38 840. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.8	21.3	21.9	22.4	22.5	22.2	22.0	22.2	21.7	21.3	21.5	21.1	21.7
PCT SUN	63.	65.	66.	42.	47.	43.	43.	43.	39.	42.	46.	44.	49.
MEAN RAD.	430.	480.	530.	450.	480.	460.	460.	460.	420.	400.	380.	350.	442.
PRECIP.	30.	23.	94.	172.	479.	664.	573.	559.	797.	659.	191.	55.	4296.
POT ET	119.	122.	151.	126.	139.	128.	131.	132.	115.	112.	104.	97.	1475.
DEF PREC	89.	98.	57.	-46.	-340.	-536.	-442.	-427.	-682.	-547.	-88.	42.	-2821.
DEP PREC	2.	0.	56.	121.	379.	535.	458.	447.	647.	530.	137.	23.	
MAI	0.02	0.00	0.37	0.97	2.73	4.19	3.49	3.39	5.61	4.74	1.33	0.24	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

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BUENA VISTA

LAT 14 37 LON 91 38 442. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	26.7	26.7	26.8	25.9	25.1	25.1	25.1	25.2	25.2	25.7	25.6	25.7
PCT SUN	63.	65.	52.	42.	47.	43.	45.	45.	45.	46.	51.	64.	51.
MEAN RAD.	430.	480.	470.	450.	480.	460.	470.	470.	450.	420.	400.	420.	450.
PRECIP.	32.	36.	105.	185.	442.	494.	445.	434.	672.	612.	194.	38.	3689.
POT ET	133.	139.	151.	140.	151.	137.	145.	145.	135.	130.	121.	131.	1657.
DEF PREC	101.	103.	46.	-45.	-291.	-357.	-300.	-289.	-537.	-482.	-73.	93.	-2032.
DEP PREC	4.	7.	65.	132.	348.	392.	351.	342.	542.	491.	140.	9.	
MAI	0.03	0.05	0.43	0.95	2.30	2.86	2.42	2.36	4.02	3.79	1.16	0.07	

CASTANEDA

LAT 14 38 LON 89 26 650. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	23.5	25.3	26.3	25.9	24.8	24.4	24.4	24.1	23.8	23.1	22.2	24.1
PCT SUN	66.	71.	66.	66.	45.	43.	43.	45.	45.	46.	62.	64.	55.
MEAN RAD.	440.	500.	530.	560.	470.	460.	460.	470.	450.	420.	440.	420.	468.
PRECIP.	1.	2.	14.	25.	148.	262.	201.	232.	324.	149.	19.	10.	1387.
POT ET	125.	134.	165.	172.	148.	136.	139.	143.	131.	126.	125.	120.	1664.
DEF PREC	124.	132.	151.	147.	-0.	-125.	-61.	-89.	-193.	-24.	106.	111.	277.
DEP PREC	0.	0.	0.	0.	101.	197.	146.	172.	249.	102.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.69	1.44	1.05	1.20	1.90	0.81	0.00	0.00	

CERRO REDONDO

LAT 14 22 LON 90 25 1220. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.5	21.7	22.2	22.7	22.7	22.7	22.5	22.2	22.7	22.5	21.0	20.7	22.0
PCT SUN	65.	70.	65.	56.	47.	43.	45.	45.	45.	46.	64.	66.	55.
MEAN RAD.	440.	500.	530.	520.	480.	460.	470.	470.	450.	420.	450.	430.	468.
PRECIP.	11.	3.	15.	56.	244.	353.	268.	268.	403.	269.	52.	14.	1956.
POT ET	121.	128.	152.	146.	140.	129.	136.	135.	127.	121.	121.	119.	1575.
DEF PREC	110.	125.	137.	90.	-105.	-224.	-132.	-133.	-276.	-148.	69.	105.	-381.
DEP PREC	0.	0.	0.	24.	182.	274.	202.	202.	316.	203.	21.	0.	
MAI	0.00	0.00	0.00	0.16	1.30	2.11	1.49	1.50	2.49	1.67	0.17	0.00	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

COATEPEQUE	LAT 14 42 LON 91 52 490. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	25.2	26.3	26.8	26.3	25.2	25.7	25.2	24.6	24.6	24.1	24.1	25.2
PCT SUN	63.	71.	58.	42.	49.	43.	43.	41.	41.	44.	44.	39.	48.
MEAN RAD.	430.	500.	500.	450.	490.	460.	460.	450.	430.	410.	370.	330.	440.
PRECIP.	9.	6.	32.	134.	320.	524.	401.	464.	523.	504.	117.	25.	3059.
POT ET	131.	139.	150.	140.	156.	137.	144.	139.	127.	125.	108.	99.	1604.
DEF PREC	122.	133.	127.	6.	-165.	-387.	-257.	-325.	-396.	-379.	-9.	74.	-1455.
DEP PREC	0.	0.	4.	90.	246.	417.	314.	367.	416.	400.	75.	0.	
MAI	0.00	0.00	0.02	0.64	1.58	3.03	2.18	2.64	3.28	3.20	0.70	0.00	

CONCEPCION				LAT 14 19 LON 90 47 425. METERS									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	25.9	26.4	26.6	26.4	26.1	26.1	25.9	25.5	25.4	25.2	25.3	25.9
PCT SUN	65.	70.	65.	44.	47.	43.	43.	43.	45.	41.	51.	60.	52.
MEAN RAD.	440.	500.	530.	460.	480.	460.	460.	460.	450.	400.	400.	410.	454.
PRECIP.	14.	12.	84.	146.	463.	612.	584.	414.	666.	526.	129.	21.	3671.
POT ET	138.	142.	160.	142.	153.	141.	145.	145.	136.	124.	120.	127.	1682.
DEF PREC	124.	130.	85.	-4.	-310.	-471.	-439.	-269.	-530.	-402.	-9.	106.	-1990.
DEP PREC	0.	0.	48.	100.	366.	491.	468.	325.	536.	419.	85.	0.	
MAI	0.00	0.00	0.28	0.70	2.40	3.49	3.21	2.24	3.95	3.37	0.71	0.00	

CRFEK	LAT 15 19 LON 88 57 55. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	24.0	26.3	26.6	28.2	28.1	27.3	27.7	27.7	26.4	24.5	23.9	26.2
PCT SUN	56.	66.	69.	61.	43.	41.	45.	45.	45.	47.	47.	48.	51.
MEAN RAD.	400.	480.	540.	540.	460.	450.	470.	470.	450.	420.	380.	360.	452.
PRECIP.	145.	86.	70.	78.	181.	355.	308.	279.	373.	289.	201.	167.	2532.
POT ET	119.	130.	171.	167.	153.	144.	153.	154.	143.	134.	112.	108.	1688.
DEF PREC	-26.	44.	101.	89.	-28.	-211.	-155.	-125.	-230.	-155.	-89.	-59.	-845.
DEP PREC	99.	49.	36.	43.	129.	275.	236.	211.	290.	220.	146.	117.	
MAI	0.83	0.38	0.21	0.25	0.85	1.91	1.54	1.37	2.03	1.64	1.30	1.09	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

CUILAPA		LAT 14 16 LON 90 18 893. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	22.9	24.2	25.3	25.2	25.6	25.3	25.1	25.0	24.1	23.3	22.7	24.3
PCT SUN	65.	79.	70.	59.	45.	43.	45.	40.	37.	34.	56.	66.	53.
MEAN RAD.	440.	530.	550.	530.	470.	460.	470.	440.	410.	360.	420.	430.	459.
PRECIP.	4.	5.	11.	46.	391.	437.	483.	437.	603.	320.	75.	22.	2834.
POT ET	130.	140.	166.	159.	145.	139.	146.	136.	122.	108.	120.	125.	1636.
DEF PREC	126.	135.	155.	113.	-246.	-298.	-337.	-301.	-481.	-212.	45.	103.	-1198.
DEP PREC	0.	0.	0.	16.	305.	344.	383.	344.	484.	246.	40.	0.	
MAI	0.00	0.00	0.00	0.10	2.10	2.48	2.63	2.53	3.96	2.27	0.33	0.00	

CHAMPERICO		LAT 14 18 LON 91 55 5. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	62.	62.	61.	48.	47.	43.	43.	43.	43.	44.	53.	60.	51.
MEAN RAD.	430.	470.	510.	480.	480.	460.	460.	460.	440.	410.	410.	410.	452.
PRECIP.	8.	1.	4.	14.	96.	170.	119.	108.	190.	257.	13.	4.	984.
POT ET	136.	136.	168.	155.	158.	142.	149.	147.	135.	130.	124.	128.	1706.
DEF PREC	128.	135.	164.	141.	62.	-27.	30.	39.	-55.	-127.	111.	124.	722.
DEP PREC	0.	0.	0.	0.	58.	120.	77.	68.	137.	193.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.37	0.84	0.52	0.46	1.02	1.49	0.00	0.00	

CHIACAM		LAT 15 33 LON 90 6 950. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.8	24.9	25.4	24.9	23.8	24.3	23.8	23.2	23.2	22.7	22.7	23.8
PCT SUN	62.	58.	69.	44.	46.	43.	44.	41.	41.	47.	48.	48.	49.
MEAN RAD.	420.	450.	540.	460.	480.	460.	470.	450.	430.	420.	380.	360.	443.
PRECIP.	157.	132.	101.	120.	265.	554.	558.	448.	440.	505.	258.	184.	3722.
POT ET	124.	121.	166.	139.	147.	133.	142.	134.	122.	124.	107.	104.	1563.
DEF PREC	-33.	-11.	65.	19.	-118.	-421.	-416.	-314.	-317.	-381.	-151.	-79.	-2159.
DEP PREC	109.	88.	62.	78.	200.	442.	446.	353.	347.	401.	194.	131.	
MAI	0.88	0.72	0.37	0.56	1.36	3.33	3.13	2.63	2.83	3.25	1.82	1.26	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

CHINASYUB		LAT 15 36 LON 90 28 790. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	24.3	25.4	25.9	25.4	24.3	24.8	24.3	23.7	23.7	23.1	23.1	24.3
PCT SUN	56.	64.	59.	44.	45.	41.	43.	43.	43.	47.	48.	57.	49.
MEAN RAD.	400.	470.	500.	460.	470.	450.	460.	460.	440.	420.	380.	390.	442.
PRECIP.	289.	226.	200.	244.	282.	506.	477.	378.	502.	699.	523.	403.	4729.
POT ET	119.	128.	155.	140.	146.	132.	141.	139.	127.	125.	108.	115.	1575.
DEF PREC	-170.	-98.	-45.	-104.	-136.	-374.	-336.	-239.	-375.	-574.	-415.	-289.	-3154.
DEF PREC	220.	167.	145.	182.	214.	402.	378.	294.	399.	564.	416.	316.	
MAI	1.84	1.30	0.93	1.30	1.46	3.05	2.68	2.12	3.14	4.50	3.85	2.76	

CHIQUEMULA		LAT 14 48 LON 89 32 380. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	24.0	26.9	28.0	28.4	27.2	26.4	26.9	26.2	25.8	23.9	23.3	25.9
PCT SUN	69.	74.	68.	66.	59.	47.	47.	45.	45.	55.	62.	64.	58.
MEAN RAD.	450.	510.	540.	560.	540.	480.	480.	470.	450.	460.	440.	420.	483.
PRECIP.	1.	0.	2.	5.	39.	123.	94.	96.	123.	53.	4.	1.	541.
POT ET	133.	138.	174.	179.	180.	151.	153.	151.	138.	144.	128.	124.	1793.
DEF PREC	132.	138.	172.	174.	141.	28.	59.	55.	15.	91.	124.	123.	1251.
DEF PREC	0.	0.	0.	0.	10.	80.	56.	58.	80.	22.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.05	0.53	0.37	0.38	0.58	0.15	0.00	0.00	

CHOCOLA		LAT 14 37 LON 91 26 830. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	23.6	24.1	24.7	24.8	24.6	24.5	24.4	24.4	24.2	24.2	23.9	24.2
PCT SUN	60.	62.	63.	42.	49.	43.	43.	42.	39.	42.	51.	52.	49.
MEAN RAD.	420.	470.	520.	450.	490.	460.	460.	450.	420.	400.	400.	380.	443.
PRECIP.	25.	23.	78.	198.	488.	656.	447.	503.	742.	574.	208.	49.	3991.
POT ET	124.	126.	157.	133.	150.	136.	140.	136.	123.	121.	117.	114.	1576.
DEF PREC	99.	103.	79.	-65.	-338.	-521.	-307.	-366.	-619.	-453.	-91.	65.	-2415.
DEF PREC	0.	0.	43.	143.	387.	528.	353.	399.	600.	459.	152.	18.	
MAI	0.00	0.00	0.27	1.08	2.58	3.90	2.52	2.93	4.87	3.81	1.30	0.16	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

DELICIAS (LAS)													
LAT 14 32 LON 91 1 1000. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.8	25.0	25.0	25.0	25.5	26.0	25.0	25.0	25.0	24.0	24.5	25.0
PCT SUN	60.	65.	66.	42.	49.	43.	43.	42.	39.	42.	51.	55.	50.
MEAN RAD.	420.	480.	530.	450.	490.	460.	460.	450.	420.	400.	400.	390.	446.
PRECIP.	23.	22.	68.	120.	400.	583.	369.	402.	704.	394.	52.	27.	3164.
POT ET	129.	133.	163.	134.	151.	139.	145.	138.	125.	123.	116.	119.	1614.
DEF PREC	105.	111.	95.	14.	-249.	-444.	-224.	-264.	-579.	-271.	64.	92.	-1550.
DEP PREC	0.	0.	34.	78.	313.	467.	287.	315.	568.	308.	21.	0.	
MAI	0.00	0.00	0.21	0.58	2.08	3.36	1.98	2.27	4.55	2.50	0.18	0.00	

DOLORES													
LAT 14 39 LON 91 43 640. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	21.9	22.4	22.9	22.7	23.1	22.8	23.1	22.9	23.0	23.0	23.1	22.7
PCT SUN	63.	71.	58.	42.	49.	43.	43.	42.	41.	44.	44.	39.	48.
MEAN RAD.	430.	500.	500.	450.	490.	460.	460.	450.	430.	410.	370.	330.	440.
PRECIP.	19.	22.	92.	203.	480.	567.	461.	510.	673.	606.	143.	44.	3820.
POT ET	121.	129.	144.	127.	142.	131.	134.	132.	121.	120.	105.	97.	1503.
DEF PREC	102.	106.	52.	-76.	-338.	-436.	-327.	-378.	-552.	-486.	-38.	53.	-2317.
DEP PREC	0.	0.	54.	147.	380.	453.	364.	405.	542.	486.	97.	14.	
MAI	0.00	0.00	0.38	1.16	2.67	3.47	2.72	3.07	4.47	4.05	0.93	0.14	

ENTRE RIOS													
LAT 14 29 LON 91 34 200. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	26.1	26.8	27.1	27.1	26.5	26.2	25.9	25.7	25.2	25.4	24.8	26.0
PCT SUN	68.	73.	71.	42.	49.	43.	43.	43.	39.	42.	44.	55.	51.
MEAN RAD.	450.	510.	550.	450.	490.	460.	460.	460.	420.	400.	370.	390.	451.
PRECIP.	6.	16.	72.	157.	354.	458.	421.	421.	567.	526.	131.	11.	3140.
POT ET	140.	145.	177.	141.	158.	142.	146.	145.	127.	124.	111.	119.	1676.
DEF PREC	134.	129.	105.	-16.	-196.	-316.	-275.	-276.	-440.	-402.	-20.	109.	-1464.
DEP PREC	0.	0.	37.	109.	274.	362.	331.	331.	453.	419.	87.	0.	
MAI	0.00	0.00	0.21	0.77	1.73	2.55	2.27	2.28	3.56	3.39	0.78	0.00	

FLORENCIA	LAT 14 33 LON 90 41 1981. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.9	16.1	17.6	18.5	17.7	17.2	16.8	17.2	16.8	16.3	15.9	15.3	16.7
PCT SUN	66.	76.	71.	63.	47.	43.	43.	43.	43.	46.	54.	64.	55.
MEAN RAD.	440.	520.	550.	550.	480.	460.	460.	460.	440.	420.	410.	420.	468.
PPFCIP.	3.	3.	3.	22.	144.	239.	198.	159.	250.	161.	15.	5.	1202.
POT ET	103.	113.	139.	138.	122.	111.	114.	115.	105.	102.	95.	99.	1356.
DEF PREC	100.	110.	136.	116.	-22.	-128.	-85.	-44.	-145.	-59.	80.	94.	154.
DEF PREC	0.	0.	0.	0.	98.	178.	143.	111.	187.	112.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.81	1.60	1.26	0.96	1.78	1.10	0.00	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

## FLORES

LAT 16 56 LON 89 53 112. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.1	24.1	25.7	28.5	29.2	27.3	27.5	27.0	24.9	22.6	22.4	25.4
PCT SUN	59.	58.	63.	44.	42.	40.	42.	45.	43.	46.	67.	60.	51.
MEAN RAD.	400.	440.	510.	460.	460.	450.	460.	470.	440.	410.	440.	390.	444.
PRECIP.	50.	36.	45.	179.	240.	249.	240.	214.	362.	204.	88.	100.	2007.
POT ET	117.	116.	154.	139.	154.	148.	150.	154.	137.	126.	123.	112.	1631.
DEF PREC	67.	80.	109.	-40.	-86.	-101.	-90.	-61.	-225.	-78.	36.	12.	-376.
DEP PREC	19.	7.	15.	127.	179.	186.	179.	157.	281.	148.	51.	61.	
MAI	0.16	0.06	0.10	0.91	1.16	1.26	1.19	1.02	2.05	1.18	0.41	0.54	

## GLORIA (LA)

LAT 14 7 LON 90 17 980. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.4	25.8	25.8	25.6	24.6	25.3	25.2	24.8	24.3	24.9	25.1	25.2
PCT SUN	68.	70.	70.	56.	47.	43.	43.	43.	39.	43.	50.	63.	53.
MEAN RAD.	450.	500.	550.	520.	480.	460.	460.	460.	420.	410.	400.	420.	461.
PRECIP.	6.	4.	23.	70.	299.	496.	251.	335.	585.	446.	50.	13.	2578.
POT ET	139.	140.	173.	158.	150.	136.	143.	142.	124.	124.	119.	130.	1677.
DEF PREC	133.	136.	150.	88.	-149.	-361.	-108.	-193.	-461.	-322.	69.	117.	-901.
DEP PREC	0.	0.	0.	36.	228.	394.	188.	258.	468.	352.	19.	0.	
MAI	0.00	0.00	0.00	0.23	1.52	2.91	1.32	1.82	3.77	2.83	0.16	0.00	

## GUATEMALA CITY

LAT 14 35 LON 90 32 1502. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.6	18.4	19.9	20.9	21.1	20.0	19.8	19.9	19.8	18.9	17.8	17.6	19.3
PCT SUN	66.	68.	68.	63.	47.	45.	43.	45.	43.	46.	65.	64.	55.
MEAN RAD.	440.	490.	540.	550.	480.	470.	460.	470.	440.	420.	450.	420.	469.
PRECIP.	3.	2.	7.	17.	127.	258.	193.	197.	266.	148.	23.	8.	1249.
POT ET	111.	115.	146.	148.	134.	123.	124.	127.	114.	110.	111.	106.	1469.
DEF PREC	108.	113.	139.	131.	7.	-135.	-69.	-70.	-152.	-38.	88.	98.	219.
DEP PREC	0.	0.	0.	0.	84.	194.	139.	143.	200.	101.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.63	1.57	1.13	1.12	1.75	0.92	0.00	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

GUAXAC		LAT 15 20 LON 90 8 1200. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	23.0	24.1	24.7	24.1	23.0	23.6	23.0	22.4	22.4	21.9	21.9	23.0
PCT SUN	61.	58.	69.	44.	47.	43.	45.	41.	41.	47.	47.	48.	49.
MEAN RAD.	420.	450.	540.	460.	480.	460.	470.	450.	430.	420.	380.	360.	443.
PRECIP.	87.	82.	62.	75.	256.	513.	492.	366.	503.	326.	138.	91.	2991.
POT ET	121.	119.	163.	136.	145.	130.	140.	132.	120.	121.	105.	103.	1534.
DEF PREC	34.	37.	101.	61.	-111.	-383.	-352.	-234.	-383.	-205.	-33.	12.	-1457.
DEP PREC	50.	46.	29.	40.	192.	408.	390.	284.	399.	251.	93.	53.	
MAI	0.41	0.39	0.18	0.29	1.33	3.13	2.79	2.16	3.32	2.07	0.89	0.52	

JALAUTE		LAT 15 11 LON 90 2 792. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.9	22.1	23.6	25.5	25.3	24.7	24.3	24.1	24.6	23.5	22.5	21.6	23.6
PCT SUN	55.	66.	69.	56.	45.	43.	45.	41.	41.	44.	47.	56.	51.
MEAN RAD.	400.	480.	540.	520.	470.	460.	470.	450.	430.	410.	380.	390.	450.
PRECIP.	101.	57.	54.	72.	233.	377.	385.	265.	353.	283.	117.	110.	2407.
POT ET	111.	124.	161.	157.	146.	136.	142.	136.	127.	122.	106.	110.	1577.
DEF PREC	10.	67.	107.	85.	-87.	-241.	-243.	-129.	-226.	-161.	-11.	0.	-830.
DEP PREC	62.	25.	22.	37.	173.	294.	300.	200.	274.	215.	75.	69.	
MAI	0.56	0.20	0.14	0.24	1.18	2.16	2.11	1.47	2.16	1.76	0.71	0.63	

LABOR OVALLE		LAT 14 52 LON 91 30 2401. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	9.9	11.0	12.2	13.7	14.6	14.2	13.6	13.5	14.1	13.4	12.1	10.8	12.8
PCT SUN	69.	71.	74.	61.	47.	43.	43.	41.	43.	42.	65.	64.	55.
MEAN RAD.	450.	500.	560.	540.	480.	460.	460.	450.	440.	400.	450.	420.	468.
PRECIP.	1.	12.	9.	34.	103.	147.	151.	106.	146.	162.	11.	5.	887.
POT ET	88.	92.	119.	117.	111.	101.	103.	100.	96.	89.	92.	85.	1195.
DEF PREC	87.	80.	110.	83.	8.	-46.	-48.	-6.	-50.	-73.	82.	80.	308.
DEP PREC	0.	0.	0.	6.	64.	101.	104.	66.	100.	113.	0.	0.	
MAI	0.00	0.00	0.00	0.05	0.57	0.99	1.01	0.66	1.03	1.27	0.00	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

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LUISIANA		LAT 14 27 LON 91 8 500. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.5	23.5	23.9	24.2	24.4	24.4	24.7	24.7	24.8	24.2	24.2	23.4	24.1
PCT SUN	62.	67.	66.	50.	47.	43.	43.	42.	43.	42.	65.	63.	53.
MEAN RAD.	430.	490.	530.	490.	480.	460.	460.	450.	440.	400.	450.	420.	458.
PRECIP.	14.	16.	46.	148.	488.	569.	394.	469.	590.	457.	75.	56.	3322.
POT ET	124.	131.	159.	143.	146.	135.	141.	138.	130.	121.	132.	124.	1623.
DEF PREC	110.	115.	113.	-5.	-342.	-434.	-253.	-331.	-460.	-336.	57.	68.	-1698.
DEP PREC	0.	0.	16.	101.	387.	455.	308.	371.	473.	361.	40.	24.	
MAI	0.00	0.00	0.10	0.71	2.66	3.37	2.19	2.70	3.63	2.99	0.30	0.19	

MAYAGUA		LAT 15 27 LON 89 40 500. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	25.1	26.3	26.8	26.3	25.1	25.7	25.1	24.6	24.6	24.0	24.0	25.2
PCT SUN	50.	48.	46.	44.	45.	43.	41.	43.	43.	47.	50.	48.	46.
MEAN RAD.	380.	410.	440.	460.	470.	460.	450.	460.	440.	420.	390.	360.	428.
PRECIP.	98.	74.	68.	93.	263.	529.	612.	488.	509.	317.	132.	119.	3302.
POT ET	116.	114.	140.	143.	149.	137.	141.	142.	130.	128.	113.	108.	1561.
DEF PREC	18.	40.	71.	50.	-114.	-392.	-471.	-346.	-379.	-189.	-19.	-11.	-1741.
DEP PREC	59.	39.	34.	55.	198.	421.	491.	387.	405.	243.	88.	77.	
MAI	0.51	0.34	0.24	0.39	1.33	3.07	3.48	2.73	3.12	1.90	0.78	0.71	

MOCCA		LAT 15 21 LON 90 54 1040. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.8	18.6	20.0	21.4	21.7	21.1	20.6	20.8	19.7	19.8	18.1	18.7	19.9
PCT SUN	50.	51.	59.	48.	45.	43.	45.	43.	43.	42.	52.	56.	48.
MEAN RAD.	380.	420.	500.	480.	470.	460.	470.	460.	440.	400.	400.	390.	439.
PRECIP.	123.	92.	80.	120.	291.	551.	554.	450.	524.	486.	214.	149.	3634.
POT ET	97.	99.	135.	131.	133.	124.	129.	127.	114.	107.	99.	102.	1397.
DEF PREC	-26.	7.	55.	11.	-158.	-427.	-425.	-323.	-410.	-378.	-115.	-47.	-2237.
DEP PREC	80.	54.	44.	78.	222.	440.	442.	355.	417.	385.	157.	102.	
MAI	0.83	0.55	0.33	0.60	1.66	3.55	3.43	2.79	3.65	3.58	1.58	1.00	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

MOCCA		LAT 14 32 LON 91 14 940. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	21.7	21.8	22.4	22.4	21.9	21.8	21.9	21.8	21.7	21.7	21.3	21.8
PCT SUN	63.	62.	49.	42.	47.	41.	43.	42.	43.	42.	51.	61.	49.
MEAN RAD.	430.	470.	460.	450.	480.	450.	460.	450.	440.	400.	400.	410.	442.
PRECIP.	49.	56.	120.	239.	535.	742.	498.	511.	832.	681.	160.	80.	4503.
POT ET	121.	120.	131.	126.	138.	124.	131.	128.	121.	113.	110.	115.	1477.
DEF PREC	71.	64.	11.	-113.	-397.	-618.	-367.	-383.	-711.	-568.	-50.	35.	-3026.
DEF PREC	18.	24.	78.	178.	426.	600.	395.	406.	676.	549.	111.	44.	
MAI	0.15	0.20	0.59	1.41	3.08	4.84	3.03	3.17	5.59	4.85	1.02	0.39	

MOKA (LA)		LAT 14 46 LON 91 46 1080. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	21.9	23.6	23.5	23.7	23.3	23.6	23.3	23.2	22.8	22.8	23.2	23.1
PCT SUN	63.	63.	61.	48.	47.	43.	43.	43.	43.	44.	54.	61.	51.
MEAN RAD.	430.	470.	510.	480.	480.	460.	460.	460.	440.	410.	410.	410.	452.
PRECIP.	33.	31.	89.	150.	396.	494.	422.	407.	525.	477.	104.	56.	3184.
POT ET	123.	121.	152.	138.	143.	131.	137.	136.	125.	119.	116.	121.	1561.
DEF PREC	90.	90.	63.	-12.	-253.	-363.	-285.	-271.	-400.	-358.	12.	65.	-1622.
DEF PREC	5.	3.	52.	103.	310.	392.	331.	319.	418.	378.	64.	24.	
MAI	0.04	0.03	0.34	0.75	2.16	2.99	2.42	2.35	3.34	3.16	0.56	0.20	

MONTE BLANCO		LAT 15 12 LON 89 56 1000. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	20.7	22.3	24.6	25.0	24.0	23.5	24.5	22.4	22.1	21.7	22.7	22.9
PCT SUN	53.	55.	59.	44.	43.	39.	41.	41.	41.	46.	52.	56.	48.
MEAN RAD.	390.	440.	500.	460.	460.	440.	450.	450.	430.	420.	400.	390.	436.
PRECIP.	107.	58.	59.	85.	223.	342.	403.	335.	423.	262.	116.	113.	2526.
POT ET	110.	110.	144.	136.	141.	128.	134.	137.	120.	120.	110.	113.	1502.
DEF PREC	3.	52.	85.	51.	-82.	-214.	-270.	-198.	-303.	-142.	-6.	0.	-1023.
DEF PREC	67.	26.	26.	48.	164.	264.	316.	258.	332.	197.	75.	72.	
MAI	0.61	0.23	0.18	0.36	1.16	2.07	2.36	1.89	2.77	1.64	0.68	0.63	

# POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

## MONTE DE ORO

LAT 14 33 LON 91 14 1020. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.5	24.7	25.2	24.7	23.5	24.1	23.5	23.0	23.0	22.4	22.4	23.6
PCT SUN	63.	70.	71.	46.	47.	36.	43.	43.	45.	46.	65.	64.	53.
MEAN RAD.	430.	500.	550.	470.	480.	420.	460.	460.	450.	420.	450.	420.	459.
PRECIP.	36.	48.	105.	198.	432.	623.	407.	453.	701.	507.	116.	60.	3686.
POT ET	126.	134.	168.	141.	146.	121.	139.	137.	127.	123.	126.	121.	1608.
DEF PREC	90.	86.	63.	-58.	-286.	-502.	-268.	-316.	-574.	-384.	10.	61.	-2078.
DEP PREC	7.	17.	65.	143.	340.	500.	319.	357.	566.	403.	75.	27.	
MAI	0.06	0.13	0.39	1.02	2.32	4.14	2.30	2.61	4.44	3.28	0.59	0.23	

## MONTE LIMAR

LAT 14 56 LON 92 2 760. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	24.1	24.9	25.4	25.2	25.0	24.4	25.1	24.8	24.6	23.8	24.1	24.6
PCT SUN	58.	63.	50.	42.	43.	41.	45.	43.	43.	44.	52.	53.	48.
MEAN RAD.	410.	470.	460.	450.	460.	450.	470.	460.	440.	410.	400.	380.	438.
PRECIP.	54.	35.	128.	303.	560.	624.	472.	582.	776.	695.	296.	100.	4625.
POT ET	123.	128.	141.	136.	142.	134.	143.	142.	130.	125.	116.	114.	1573.
DEF PREC	69.	93.	13.	-167.	-418.	-490.	-329.	-440.	-646.	-570.	-180.	14.	-3052.
DEP PREC	22.	6.	85.	232.	447.	501.	373.	466.	629.	561.	226.	61.	
MAI	0.18	0.05	0.60	1.71	3.15	3.74	2.62	3.28	4.83	4.49	1.95	0.53	

## MORAN

LAT 14 29 LON 90 32 1220. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	22.9	24.0	24.6	24.0	22.9	23.5	22.9	22.4	22.4	21.8	21.8	23.0
PCT SUN	62.	70.	66.	59.	47.	43.	43.	43.	45.	46.	65.	63.	54.
MEAN RAD.	430.	500.	530.	530.	480.	460.	460.	460.	450.	420.	450.	420.	466.
PRECIP.	1.	1.	3.	15.	109.	238.	215.	214.	219.	147.	21.	4.	1187.
POT ET	124.	132.	159.	156.	144.	130.	137.	134.	126.	121.	124.	119.	1607.
DEF PREC	123.	131.	156.	141.	35.	-108.	-78.	-80.	-93.	-26.	103.	115.	420.
DEP PREC	0.	0.	0.	0.	69.	177.	158.	157.	161.	101.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.47	1.36	1.15	1.17	1.28	0.83	0.00	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

MORELIA		LAT 14 25 LON 90 58 900. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	23.8	24.1	24.3	24.2	23.7	22.8	22.9	22.9	23.8	24.2	23.2	23.6
PCT SUN	59.	59.	52.	44.	47.	43.	43.	42.	43.	44.	51.	57.	49.
MEAN RAD.	420.	460.	470.	460.	480.	460.	460.	450.	440.	410.	400.	400.	443.
PRECIP.	51.	59.	97.	201.	613.	805.	626.	705.	932.	811.	179.	74.	5153.
POT ET	126.	124.	141.	135.	145.	133.	134.	132.	124.	123.	117.	118.	1551.
DEF PREC	75.	65.	44.	-66.	-468.	-672.	-492.	-574.	-808.	-689.	-62.	44.	-3602.
DEP PREC	20.	26.	59.	146.	492.	653.	503.	569.	760.	658.	127.	39.	
MAI	0.16	0.21	0.41	1.08	3.40	4.92	3.76	4.33	6.11	5.37	1.09	0.33	

MORENA (LA)		LAT 14 10 LON 90 22 740. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	24.4	25.5	26.1	25.5	24.4	25.0	24.4	23.8	23.8	23.3	23.3	24.5
PCT SUN	65.	64.	65.	59.	47.	43.	43.	43.	45.	46.	56.	66.	53.
MEAN RAD.	440.	480.	530.	530.	480.	460.	460.	460.	450.	420.	420.	430.	463.
PRECIP.	3.	5.	8.	40.	178.	395.	276.	249.	404.	286.	29.	15.	1888.
POT ET	132.	132.	165.	162.	150.	135.	141.	140.	130.	126.	120.	127.	1659.
DEF PREC	129.	126.	157.	122.	-28.	-260.	-135.	-109.	-274.	-160.	91.	112.	-229.
DEP PREC	0.	0.	0.	10.	127.	309.	209.	186.	316.	217.	1.	0.	
MAI	0.00	0.00	0.00	0.06	0.85	2.29	1.48	1.33	2.43	1.73	0.01	0.00	

MUNDO NUEVO		LAT 14 57 LON 92 2 820. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.3	24.2	24.7	24.8	23.5	23.8	24.0	24.0	23.5	23.0	22.3	23.7
PCT SUN	63.	63.	50.	42.	49.	43.	45.	41.	43.	44.	47.	53.	49.
MEAN RAD.	430.	470.	460.	450.	490.	460.	470.	450.	440.	410.	380.	380.	441.
PRECIP.	56.	61.	121.	261.	562.	728.	546.	578.	695.	648.	235.	133.	4624.
POT ET	127.	125.	139.	133.	150.	132.	140.	135.	128.	122.	108.	109.	1548.
DEF PREC	71.	64.	18.	-128.	-412.	-596.	-406.	-443.	-567.	-526.	-127.	-24.	-3076.
DEP PREC	24.	28.	79.	196.	449.	588.	436.	463.	561.	521.	174.	89.	
MAI	0.19	0.23	0.57	1.48	3.00	4.45	3.10	3.42	4.38	4.28	1.62	0.81	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

NARANJO (FL)

LAT 14 36 LON 91 20 1120. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.0	21.3	21.3	21.6	21.4	21.2	21.4	21.6	21.0	20.9	20.9	20.6	21.2
PCT SUN	63.	71.	52.	44.	47.	41.	43.	42.	41.	42.	46.	58.	49.
MEAN RAD.	430.	500.	470.	460.	480.	450.	460.	450.	430.	400.	380.	400.	443.
PRECIP.	38.	49.	157.	237.	487.	669.	385.	481.	908.	686.	256.	80.	4433.
POT ET	119.	126.	132.	125.	135.	122.	129.	127.	116.	111.	102.	110.	1454.
DEF PREC	81.	77.	-25.	-112.	-352.	-548.	-256.	-354.	-792.	-575.	-154.	30.	-2979.
DEP PREC	9.	18.	109.	176.	386.	539.	300.	381.	740.	553.	192.	44.	
MAI	0.08	0.14	0.83	1.40	2.87	4.43	2.32	3.00	6.40	4.98	1.88	0.40	

PALMERAS

LAT 14 26 LON 91 17 180. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	26.1	27.2	27.8	27.2	26.1	26.7	26.1	25.6	25.6	25.0	25.0	26.2
PCT SUN	62.	62.	58.	46.	45.	45.	43.	43.	43.	42.	51.	60.	50.
MEAN RAD.	430.	470.	500.	470.	470.	470.	460.	460.	440.	400.	400.	410.	448.
PRECIP.	21.	31.	64.	196.	487.	531.	450.	545.	687.	782.	169.	37.	4001.
POT ET	134.	134.	162.	150.	153.	144.	147.	145.	133.	125.	119.	126.	1673.
DEF PREC	113.	103.	98.	-47.	-334.	-387.	-303.	-400.	-554.	-657.	-50.	89.	-2328.
DEP PREC	0.	3.	31.	142.	386.	423.	355.	435.	554.	634.	119.	8.	
MAI	0.00	0.02	0.19	0.95	2.53	2.94	2.41	2.99	4.17	5.08	1.00	0.06	

PALO GORDO

LAT 14 29 LON 91 24 242. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	27.0	27.7	27.5	27.3	26.9	26.5	26.7	26.8	27.0	26.9	27.2	27.0
PCT SUN	62.	65.	66.	52.	47.	41.	43.	43.	43.	42.	54.	63.	52.
MEAN RAD.	430.	480.	530.	500.	480.	450.	460.	460.	440.	400.	410.	420.	455.
PRECIP.	11.	22.	60.	121.	395.	608.	466.	480.	581.	628.	190.	33.	3595.
POT ET	137.	140.	174.	158.	156.	140.	147.	147.	137.	129.	128.	136.	1729.
DEF PREC	126.	118.	114.	37.	-239.	-468.	-319.	-333.	-444.	-499.	-62.	103.	-1866.
DEP PREC	0.	0.	27.	79.	309.	488.	369.	380.	465.	504.	137.	5.	
MAI	0.00	0.00	0.16	0.50	1.98	3.48	2.51	2.58	3.40	3.91	1.07	0.03	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

PAMPOJILA		LAT 14 37 LON 91 8 1530. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.4	19.3	19.6	19.1	18.7	19.0	18.9	18.0	17.6	17.6	18.4	17.8	18.6
PCT SUN	63.	71.	71.	56.	49.	43.	43.	43.	43.	46.	62.	64.	54.
MEAN RAD.	430.	500.	550.	520.	490.	460.	460.	460.	440.	420.	440.	420.	466.
PRECIP.	6.	9.	23.	46.	209.	456.	267.	267.	477.	260.	41.	15.	2076.
POT ET	114.	120.	147.	133.	128.	117.	121.	118.	108.	106.	110.	107.	1428.
DEF PREC	108.	111.	124.	87.	-81.	-339.	-146.	-149.	-369.	-154.	69.	92.	-648.
DEP PREC	0.	0.	0.	16.	153.	360.	201.	201.	378.	195.	11.	0.	
MAI	0.00	0.00	0.00	0.12	1.19	3.07	1.67	1.71	3.51	1.84	0.10	0.00	

PATZULIN		LAT 14 39 LON 91 26 1200. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.7	22.0	22.1	22.1	21.9	21.8	21.9	21.8	21.7	21.6	21.6	21.8
PCT SUN	63.	65.	54.	42.	49.	43.	43.	43.	43.	46.	46.	58.	50.
MEAN RAD.	430.	480.	480.	450.	490.	460.	460.	460.	440.	420.	380.	400.	446.
PRECIP.	33.	39.	109.	196.	520.	718.	585.	624.	824.	635.	205.	72.	4560.
POT ET	121.	123.	137.	125.	140.	127.	131.	131.	121.	119.	104.	113.	1491.
DEF PREC	88.	84.	28.	-71.	-380.	-591.	-454.	-493.	-703.	-516.	-101.	41.	-3069.
DEP PREC	5.	10.	69.	142.	414.	580.	468.	501.	669.	510.	149.	37.	
MAI	0.04	0.08	0.50	1.14	2.95	4.58	3.59	3.82	5.53	4.29	1.44	0.33	

PAWNEE PLAYITAS		LAT 15 21 LON 88 49 59. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.8	25.9	27.6	27.8	27.8	27.3	27.4	27.4	26.2	24.2	23.1	26.0
PCT SUN	56.	63.	64.	50.	48.	39.	43.	43.	43.	42.	52.	56.	50.
MEAN RAD.	400.	470.	520.	490.	490.	440.	460.	460.	440.	400.	400.	390.	447.
PRECIP.	132.	72.	63.	69.	137.	248.	223.	190.	267.	244.	219.	170.	2034.
POT ET	117.	127.	164.	155.	161.	140.	150.	150.	139.	127.	117.	114.	1660.
DEF PREC	-15.	55.	101.	86.	24.	-108.	-73.	-40.	-128.	-117.	-102.	-55.	-373.
DEP PREC	88.	37.	30.	35.	92.	185.	164.	137.	201.	182.	161.	120.	
MAI	0.75	0.29	0.18	0.23	0.57	1.32	1.10	0.91	1.45	1.44	1.38	1.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR GUATEMALA

PERNA PLATA

LAT 14 27 LON 91 5 620. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.7	24.7	25.7	25.1	24.3	24.3	23.9	23.3	23.2	22.9	22.9	23.9
PCT SUN	62.	65.	66.	42.	49.	41.	43.	42.	43.	44.	51.	60.	51.
MEAN RAD.	430.	480.	530.	450.	490.	450.	460.	450.	440.	410.	400.	410.	450.
PRECIP.	19.	28.	56.	151.	413.	549.	493.	506.	684.	580.	138.	39.	3656.
POT ET	126.	129.	162.	136.	151.	132.	139.	135.	125.	121.	113.	120.	1589.
DEF PREC	106.	101.	106.	-14.	-262.	-417.	-354.	-371.	-559.	-459.	-25.	81.	-2067.
DEF PREC	0.	0.	24.	104.	324.	438.	391.	402.	552.	464.	93.	10.	
MAI	0.00	0.00	0.15	0.76	2.15	3.33	2.81	2.98	4.40	3.85	0.82	0.08	

POTOSI (EL)

LAT 14 29 LON 91 7 530. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	25.0	26.2	26.7	26.2	25.0	25.6	25.0	24.5	24.5	23.9	23.9	25.1
PCT SUN	62.	62.	58.	46.	45.	45.	43.	43.	43.	42.	51.	60.	50.
MEAN RAD.	430.	470.	500.	470.	470.	470.	460.	460.	440.	400.	400.	410.	448.
PRECIP.	28.	23.	71.	128.	425.	582.	340.	447.	683.	435.	79.	37.	3278.
POT ET	131.	131.	158.	146.	149.	140.	144.	142.	129.	122.	116.	123.	1630.
DEF PREC	103.	108.	87.	18.	-276.	-442.	-196.	-305.	-554.	-314.	37.	86.	-1649.
DEF PREC	0.	0.	37.	85.	334.	466.	263.	353.	551.	342.	43.	8.	
MAI	0.00	0.00	0.23	0.58	2.25	3.33	1.83	2.49	4.26	2.82	0.37	0.07	

QUEZALTENANGO

LAT 14 50 LON 91 31 2334. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	10.3	11.3	12.9	16.0	17.9	17.4	16.3	16.1	16.2	15.0	14.1	11.8	14.6
PCT SUN	66.	71.	68.	63.	55.	49.	43.	43.	45.	55.	65.	61.	57.
MEAN RAD.	440.	500.	540.	550.	520.	490.	460.	460.	450.	460.	450.	410.	478.
PRECIP.	1.	2.	1.	11.	30.	136.	234.	167.	230.	91.	11.	3.	917.
POT ET	88.	93.	118.	128.	133.	119.	112.	111.	106.	107.	99.	86.	1300.
DEF PREC	87.	91.	117.	117.	103.	-17.	-122.	-56.	-124.	17.	88.	83.	383.
DEF PREC	0.	0.	0.	0.	2.	91.	174.	117.	170.	53.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.02	0.77	1.55	1.06	1.61	0.50	0.00	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

QUIRIGUA		LAT 15 16 LON 89 4 73. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	24.1	26.3	27.6	28.2	27.9	27.1	27.6	27.8	26.3	24.4	23.7	26.2
PCT SUN	58.	63.	61.	56.	45.	41.	43.	43.	43.	47.	50.	56.	51.
MEAN RAD.	410.	470.	510.	520.	470.	450.	460.	460.	440.	420.	390.	390.	449.
PRECIP.	110.	63.	65.	64.	186.	308.	293.	250.	339.	230.	189.	157.	2254.
POT ET	121.	128.	162.	165.	156.	143.	149.	150.	140.	133.	115.	116.	1679.
DEF PREC	11.	65.	97.	101.	-30.	-165.	-144.	-99.	-199.	-97.	-74.	-41.	-575.
DEP PREC	69.	30.	32.	31.	133.	236.	223.	187.	262.	170.	136.	109.	
MAI	0.57	0.23	0.20	0.19	0.85	1.64	1.50	1.24	1.87	1.28	1.18	0.94	

RANCHO (EL)		LAT 14 55 LON 90 0 274. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.8	26.9	27.5	26.9	25.8	26.4	25.8	25.3	25.3	24.7	24.7	25.9
PCT SUN	66.	68.	68.	63.	47.	45.	43.	45.	43.	46.	65.	64.	55.
MEAN RAD.	440.	490.	540.	550.	480.	470.	460.	470.	440.	420.	450.	420.	469.
PRECIP.	1.	2.	2.	13.	86.	133.	80.	51.	126.	77.	10.	2.	583.
POT ET	136.	139.	174.	174.	155.	143.	146.	148.	132.	130.	133.	128.	1738.
DEF PREC	135.	137.	172.	161.	69.	10.	66.	97.	6.	53.	123.	126.	1155.
DEP PREC	0.	0.	0.	0.	49.	89.	44.	20.	83.	42.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.32	0.62	0.30	0.13	0.63	0.32	0.00	0.00	

RETANA		LAT 14 33 LON 90 45 1530. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.1	16.0	16.8	17.5	18.2	18.2	18.3	18.0	17.8	17.7	17.4	16.0	17.3
PCT SUN	66.	68.	68.	63.	49.	45.	47.	45.	45.	46.	56.	64.	55.
MEAN RAD.	440.	490.	540.	550.	490.	470.	480.	470.	450.	420.	420.	420.	470.
PRECIP.	1.	2.	3.	21.	99.	189.	131.	131.	199.	105.	20.	2.	903.
POT ET	106.	107.	133.	134.	126.	117.	124.	120.	111.	106.	102.	101.	1388.
DEF PREC	105.	105.	130.	113.	27.	-72.	-7.	-11.	-88.	2.	82.	99.	485.
DEP PREC	0.	0.	0.	0.	60.	136.	87.	87.	144.	65.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.48	1.16	0.70	0.73	1.30	0.61	0.00	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

REUNION (LA)

LAT 14 26 LON 90 50 1432. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	22.3	23.4	24.0	23.4	22.3	22.8	22.3	21.7	21.7	21.2	21.2	22.3
PCT SUN	62.	65.	61.	48.	43.	43.	43.	43.	43.	46.	51.	60.	51.
MEAN RAD.	430.	480.	510.	480.	460.	460.	460.	460.	440.	420.	400.	410.	451.
PRECIP.	20.	15.	47.	68.	257.	588.	396.	482.	721.	341.	58.	20.	3013.
POT ET	122.	125.	151.	139.	136.	128.	134.	132.	121.	119.	108.	114.	1530.
DEF PREC	102.	110.	104.	71.	-121.	-460.	-262.	-350.	-600.	-222.	50.	94.	-1484.
DEP PREC	0.	0.	16.	34.	193.	471.	310.	382.	583.	264.	26.	0.	
MAI	0.00	0.00	0.11	0.25	1.42	3.68	2.31	2.89	4.82	2.21	0.24	0.00	

SAN ANDRES DSUNA

LAT 14 23 LON 90 55 760. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.5	25.1	26.7	26.8	25.9	25.9	24.9	25.2	24.8	23.9	23.2	24.9
PCT SUN	62.	65.	61.	48.	43.	43.	43.	43.	43.	46.	51.	60.	51.
MEAN RAD.	430.	480.	510.	480.	460.	460.	460.	460.	440.	420.	400.	410.	451.
PRECIP.	30.	39.	84.	196.	592.	724.	475.	555.	786.	670.	131.	54.	4336.
POT ET	126.	129.	157.	149.	148.	140.	145.	141.	131.	129.	116.	121.	1631.
DEF PREC	96.	90.	73.	-47.	-444.	-584.	-330.	-414.	-654.	-542.	-15.	67.	-2705.
DEP PREC	2.	10.	48.	142.	474.	585.	376.	443.	637.	540.	87.	22.	
MAI	0.02	0.08	0.30	0.95	3.21	4.18	2.60	3.14	4.85	4.20	0.75	0.19	

SANARATE

LAT 14 47 LON 90 12 812. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	24.2	25.3	25.9	25.3	24.2	24.7	24.2	23.6	23.6	23.1	23.1	24.2
PCT SUN	66.	65.	66.	59.	47.	43.	43.	43.	45.	46.	57.	67.	54.
MEAN RAD.	440.	480.	530.	530.	480.	460.	460.	460.	450.	420.	420.	430.	463.
PRECIP.	0.	2.	4.	14.	85.	134.	79.	75.	168.	85.	5.	7.	658.
POT ET	131.	131.	164.	161.	149.	134.	141.	139.	130.	125.	119.	126.	1650.
DEF PREC	131.	129.	160.	147.	64.	0.	62.	64.	-38.	40.	114.	119.	992.
DEP PREC	0.	0.	0.	0.	48.	90.	43.	40.	118.	48.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.33	0.67	0.31	0.29	0.91	0.39	0.00	0.00	



# POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

SAN JOSE		LAT 13 55		LON 90 49		2. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.5	27.7	28.8	28.8	28.3	28.2	28.1	27.6	27.4	27.4	26.7	27.6
PCT SUN	64.	67.	68.	63.	49.	44.	45.	44.	44.	43.	58.	62.	54.
MEAN RAD.	440.	490.	540.	550.	490.	460.	470.	460.	450.	410.	430.	420.	468.
PRECIP.	0.	1.	10.	38.	112.	252.	248.	223.	274.	277.	21.	1.	1457.
POT ET	138.	141.	177.	179.	165.	148.	156.	152.	143.	134.	136.	135.	1803.
DEF PREC	138.	140.	167.	141.	53.	-104.	-92.	-71.	-131.	-143.	115.	134.	346.
DEP PREC	0.	0.	0.	9.	71.	189.	185.	164.	207.	210.	0.	0.	
MAI	0.00	0.00	0.00	0.05	0.43	1.27	1.19	1.08	1.45	1.57	0.00	0.00	

SAN JUAN		LAT 15 25		LON 89 47		810. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.4	25.3	25.5	25.8	24.7	25.2	24.6	24.6	22.2	23.2	24.4
PCT SUN	50.	48.	46.	44.	45.	43.	41.	43.	43.	47.	50.	48.	46.
MEAN RAD.	380.	410.	440.	460.	470.	460.	450.	460.	440.	420.	390.	360.	428.
PRECIP.	153.	123.	120.	167.	389.	643.	668.	581.	628.	424.	166.	158.	4219.
POT ET	114.	111.	133.	138.	147.	140.	138.	142.	130.	128.	108.	106.	1534.
DEF PREC	-39.	-12.	14.	-29.	-242.	-503.	-530.	-439.	-498.	-296.	-58.	-52.	-2685.
DEP PREC	105.	80.	78.	117.	304.	517.	538.	465.	504.	333.	117.	110.	
MAI	0.93	0.72	0.58	0.85	2.07	3.70	3.91	3.27	3.89	2.60	1.08	1.04	

SAN LUIS MALACATAN		LAT 14 59		LON 92 7		640. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	26.6	27.0	27.0	27.0	26.5	26.9	26.5	26.5	27.0	26.5	26.6	26.8
PCT SUN	61.	63.	56.	42.	45.	41.	45.	43.	43.	44.	49.	62.	49.
MEAN RAD.	420.	470.	490.	450.	470.	450.	470.	460.	440.	410.	390.	410.	440.
PRECIP.	32.	49.	178.	320.	672.	727.	593.	585.	713.	735.	245.	73.	4922.
POT ET	136.	136.	158.	140.	152.	139.	151.	147.	136.	132.	120.	131.	1679.
DEF PREC	104.	87.	-20.	-180.	-520.	-588.	-442.	-438.	-577.	-603.	-125.	58.	-3244.
DEP PREC	4.	18.	127.	246.	542.	588.	475.	468.	576.	594.	183.	38.	
MAI	0.03	0.13	0.80	1.75	3.57	4.23	3.14	3.19	4.24	4.50	1.52	0.29	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

SAN RAFAEL PANAN				LAT 14 30 LON 91 15		660. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	25.5	25.3	25.5	27.1	26.0	26.6	26.3	24.8	24.0	25.0	24.2	25.3
PCT SUN	63.	62.	58.	46.	45.	45.	43.	43.	43.	42.	51.	60.	50.
MEAN RAD.	430.	470.	500.	470.	470.	470.	460.	460.	440.	400.	400.	410.	448.
PRECIP.	29.	61.	119.	290.	499.	626.	441.	525.	697.	538.	164.	56.	4045.
POT ET	128.	132.	155.	142.	152.	143.	147.	146.	130.	120.	119.	124.	1640.
DEF PREC	100.	71.	36.	-148.	-347.	-483.	-294.	-379.	-567.	-418.	-45.	68.	-2405.
DEP PREC	1.	28.	77.	221.	396.	503.	347.	418.	562.	429.	115.	24.	
MAI	0.01	0.21	0.50	1.56	2.60	3.51	2.36	2.86	4.32	3.57	0.96	0.19	

SAN SEBASTIAN				LAT 14 33 LON 91 39		311. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.7	26.8	27.4	26.8	25.7	26.3	25.7	25.2	25.2	24.6	24.6	25.8
PCT SUN	60.	65.	63.	42.	49.	43.	43.	43.	43.	44.	51.	58.	50.
MEAN RAD.	420.	480.	520.	450.	490.	460.	460.	460.	440.	410.	400.	400.	449.
PRECIP.	17.	12.	74.	177.	410.	524.	427.	476.	582.	565.	204.	17.	3485.
POT ET	130.	136.	167.	142.	157.	139.	146.	144.	131.	127.	118.	122.	1659.
DEF PREC	113.	124.	93.	-35.	-253.	-385.	-281.	-332.	-450.	-438.	-86.	105.	-1825.
DEP PREC	0.	0.	39.	126.	321.	417.	336.	377.	466.	452.	148.	0.	
MAI	0.00	0.00	0.23	0.89	2.04	2.99	2.30	2.61	3.54	3.57	1.26	0.00	

SANTA CECILIA				LAT 14 37 LON 91 32				810. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.8	20.1	21.1	21.7	21.9	21.8	21.7	21.6	21.3	21.0	20.4	20.1	21.0
PCT SUN	60.	65.	63.	42.	49.	43.	43.	43.	43.	44.	51.	58.	50.
MEAN RAD.	420.	480.	520.	450.	490.	460.	460.	460.	440.	410.	400.	400.	449.
PRECIP.	39.	35.	98.	235.	577.	686.	455.	601.	796.	650.	237.	94.	4503.
POT ET	113.	118.	145.	123.	140.	126.	130.	130.	119.	114.	106.	108.	1473.
DEF PREC	74.	82.	47.	-111.	-437.	-560.	-325.	-471.	-677.	-536.	-131.	14.	-3031.
DEP PREC	10.	6.	59.	174.	462.	553.	359.	482.	646.	523.	176.	56.	
MAI	0.09	0.05	0.41	1.41	3.30	4.38	2.76	3.71	5.42	4.59	1.66	0.52	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

SANTA CRUZ QUIXAYA		LAT 14 32		LON 91 7		820. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	22.9	23.5	23.8	23.3	22.3	22.7	22.7	21.8	21.8	22.4	22.3	22.6
PCT SUN	63.	65.	66.	54.	49.	43.	45.	45.	41.	46.	51.	64.	53.
MEAN RAD.	430.	480.	530.	510.	490.	460.	470.	470.	430.	420.	400.	420.	459.
PRECIP.	17.	21.	42.	82.	266.	518.	382.	303.	587.	428.	79.	22.	2747.
POT ET	122.	127.	157.	148.	144.	128.	136.	137.	118.	119.	112.	121.	1570.
DEF PREC	105.	106.	115.	66.	-122.	-390.	-246.	-166.	-469.	-309.	33.	99.	-1177.
DEP PREC	0.	0.	12.	46.	200.	412.	298.	232.	470.	337.	43.	0.	
MAI	0.00	0.00	0.08	0.31	1.39	3.21	2.18	1.69	3.98	2.82	0.39	0.00	

SANTA ELISA		LAT 14 36		LON 91 37		520. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	25.2	25.6	26.2	26.1	25.4	25.3	24.9	25.1	24.6	24.0	24.1	25.1
PCT SUN	60.	62.	54.	42.	49.	43.	43.	42.	43.	42.	51.	61.	49.
MEAN RAD.	420.	470.	480.	450.	490.	460.	460.	450.	440.	400.	400.	410.	444.
PRECIP.	33.	53.	114.	159.	555.	694.	482.	568.	759.	641.	141.	58.	4257.
POT ET	127.	131.	150.	138.	155.	138.	143.	138.	131.	122.	116.	123.	1613.
DEF PREC	93.	78.	36.	-21.	-400.	-556.	-339.	-430.	-628.	-519.	-25.	66.	-2644.
DEP PREC	5.	22.	73.	111.	443.	560.	382.	454.	615.	516.	95.	26.	
MAI	0.04	0.16	0.49	0.80	2.86	4.05	2.68	3.29	4.68	4.23	0.82	0.21	

SANTA MARGARITA		LAT 14 30		LON 91 1		1100. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.6	23.3	23.3	23.0	22.1	22.4	22.7	22.3	22.3	22.8	22.8	22.8
PCT SUN	63.	65.	66.	48.	47.	43.	43.	43.	43.	42.	56.	63.	52.
MEAN RAD.	430.	480.	530.	480.	480.	460.	460.	460.	440.	400.	420.	420.	455.
PRECIP.	11.	7.	56.	95.	325.	449.	297.	335.	614.	307.	47.	31.	2574.
POT ET	128.	129.	156.	137.	141.	127.	133.	134.	122.	115.	118.	122.	1562.
DEF PREC	117.	122.	100.	42.	-185.	-322.	-164.	-201.	-491.	-192.	71.	91.	-1012.
DEP PREC	0.	0.	24.	57.	250.	354.	226.	258.	493.	235.	16.	3.	
MAI	0.00	0.00	0.15	0.41	1.78	2.78	1.71	1.93	4.02	2.04	0.14	0.02	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

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SANTA TERESA		LAT 14 59 LON 91 54 825. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	22.5	23.6	24.1	24.0	23.7	23.7	23.4	23.4	23.8	23.3	22.7	23.4
PCT SUN	61.	63.	59.	42.	49.	41.	43.	43.	45.	42.	52.	62.	50.
MEAN RAD.	420.	470.	500.	450.	490.	450.	460.	460.	450.	400.	400.	410.	447.
PRECIP.	74.	45.	128.	281.	578.	688.	502.	580.	753.	605.	171.	78.	4483.
POT ET	120.	123.	149.	131.	147.	130.	137.	136.	129.	120.	114.	119.	1555.
DEF PREC	46.	78.	21.	-150.	-431.	-558.	-365.	-444.	-624.	-486.	-57.	41.	-2928.
DEP PREC	39.	15.	85.	213.	463.	555.	399.	464.	610.	485.	121.	43.	
MAI	0.33	0.12	0.57	1.63	3.14	4.27	2.90	3.41	4.74	4.06	1.06	0.36	

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SANTO TOMAS PERDID		LAT 14 35 LON 91 7 1243. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.7	21.6	22.0	22.2	22.3	21.8	22.1	22.3	21.3	20.9	21.1	20.9	21.6
PCT SUN	63.	65.	71.	56.	49.	43.	43.	43.	45.	46.	59.	64.	54.
MEAN RAD.	430.	480.	550.	520.	490.	460.	460.	460.	450.	420.	430.	420.	464.
PRECIP.	8.	21.	31.	68.	239.	471.	351.	258.	559.	391.	75.	15.	2487.
POT ET	119.	122.	157.	144.	141.	126.	132.	132.	122.	117.	116.	116.	1545.
DEF PREC	111.	101.	126.	76.	-98.	-345.	-219.	-126.	-437.	-274.	41.	101.	-942.
DEP PREC	0.	0.	3.	34.	178.	373.	272.	194.	447.	305.	40.	0.	
MAI	0.00	0.00	0.02	0.24	1.26	2.95	2.06	1.47	3.66	2.62	0.34	0.00	

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SEPACUITE		LAT 15 28 LON 89 47 980. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.1	18.0	19.8	20.8	21.3	21.7	21.1	20.9	21.0	19.7	18.5	17.6	19.8
PCT SUN	56.	64.	59.	44.	45.	41.	43.	43.	43.	47.	48.	57.	49.
MEAN RAD.	400.	470.	500.	460.	470.	450.	460.	460.	440.	420.	380.	390.	442.
PRECIP.	211.	139.	101.	123.	289.	585.	660.	495.	517.	407.	268.	215.	4010.
POT ET	100.	108.	134.	123.	132.	123.	128.	128.	118.	113.	95.	98.	1401.
DEF PREC	-112.	-30.	33.	0.	-157.	-462.	-532.	-367.	-399.	-294.	-173.	-116.	-2609.
DEP PREC	154.	94.	62.	80.	220.	468.	531.	393.	411.	319.	202.	158.	
MAI	1.55	0.86	0.46	0.65	1.67	3.80	4.14	3.08	3.48	2.83	2.12	1.60	

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## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

TARPALES (LOS)		LAT 14 31 LON 91 8 840. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.3	23.2	23.3	23.6	22.9	23.3	23.1	22.8	22.7	22.4	22.1	22.8
PCT SUN	63.	65.	61.	48.	49.	43.	43.	43.	45.	42.	56.	63.	52.
MEAN RAD.	430.	480.	510.	480.	490.	460.	460.	460.	450.	400.	420.	420.	455.
PRECIP.	23.	20.	58.	124.	349.	566.	372.	364.	620.	415.	83.	34.	3028.
POT ET	124.	125.	150.	137.	146.	130.	136.	135.	127.	116.	117.	120.	1562.
DEF PREC	101.	105.	92.	13.	-203.	-436.	-237.	-229.	-493.	-299.	34.	86.	-1466.
DEP PREC	0.	0.	26.	81.	270.	452.	290.	283.	498.	326.	47.	6.	
MAI	0.00	0.00	0.17	0.59	1.86	3.48	2.14	2.09	3.93	2.80	0.40	0.05	

TENEDORES		LAT 15 33 LON 88 38 26. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	51.	46.	54.	44.	43.	39.	43.	43.	45.	47.	53.	54.	47.
MEAN RAD.	380.	400.	480.	460.	460.	440.	460.	460.	450.	420.	400.	380.	433.
PRECIP.	107.	46.	42.	50.	105.	184.	241.	229.	204.	227.	177.	122.	1734.
POT ET	120.	115.	158.	148.	151.	136.	149.	147.	137.	133.	121.	118.	1633.
DEF PREC	13.	69.	116.	98.	46.	-48.	-92.	-82.	-67.	-95.	-56.	-4.	-101.
DEP PREC	67.	16.	12.	19.	65.	131.	179.	169.	148.	168.	126.	79.	
MAI	0.56	0.14	0.08	0.13	0.43	0.97	1.20	1.15	1.08	1.27	1.04	0.67	

TINAJAS		LAT 15 19 LON 89 40 20. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	56.	61.	52.	44.	45.	41.	43.	43.	43.	44.	58.	56.	49.
MEAN RAD.	400.	460.	470.	460.	470.	450.	460.	460.	440.	410.	420.	390.	441.
PRECIP.	112.	48.	57.	80.	229.	394.	515.	390.	410.	200.	104.	105.	2644.
POT ET	126.	133.	154.	148.	154.	139.	149.	147.	134.	129.	127.	122.	1663.
DEF PREC	14.	85.	97.	68.	-75.	-255.	-366.	-243.	-276.	-70.	23.	17.	-980.
DEP PREC	71.	17.	25.	44.	169.	308.	410.	305.	321.	145.	64.	65.	
MAI	0.56	0.13	0.16	0.30	1.10	2.21	2.75	2.07	2.39	1.12	0.51	0.54	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

## TRECE AGUAS

LAT 15 25 LON 89 52

850. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.4	21.1	22.3	24.0	24.3	24.6	23.8	24.0	23.9	22.9	21.8	21.8	22.9
PCT SUN	56.	61.	52.	44.	45.	41.	43.	43.	43.	44.	58.	57.	49.
MEAN RAD.	400.	460.	470.	460.	470.	450.	460.	460.	440.	410.	420.	390.	441.
PRECIP.	154.	122.	123.	172.	381.	638.	664.	576.	627.	424.	165.	151.	4196.
POT ET	109.	116.	135.	134.	142.	133.	137.	138.	128.	120.	115.	111.	1518.
DEF PREC	-45.	-6.	12.	-38.	-239.	-505.	-527.	-437.	-499.	-304.	-50.	-40.	-2677.
DEP PREC	107.	79.	80.	121.	297.	513.	535.	460.	503.	333.	116.	104.	
MAI	0.98	0.68	0.59	0.91	2.09	3.86	3.89	3.33	3.94	2.78	1.00	0.93	

## VALLE (EL)

LAT 15 52 LON 90 17

1035. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.5	24.6	25.2	24.6	23.5	24.1	23.5	22.9	22.9	22.4	22.4	23.5
PCT SUN	63.	59.	69.	44.	46.	42.	44.	41.	41.	47.	48.	49.	50.
MEAN RAD.	420.	450.	540.	460.	480.	460.	470.	450.	430.	420.	380.	360.	443.
PRECIP.	267.	199.	166.	184.	290.	760.	985.	657.	650.	524.	349.	342.	5373.
POT ET	123.	121.	165.	137.	146.	132.	141.	134.	122.	123.	106.	104.	1553.
DEF PREC	-144.	-78.	-2.	-46.	-144.	-628.	-844.	-524.	-528.	-401.	-243.	-238.	-3820.
DEP PREC	201.	144.	117.	131.	221.	615.	804.	529.	523.	417.	270.	264.	
MAI	1.64	1.19	0.71	0.96	1.51	4.66	5.69	3.96	4.30	3.40	2.55	2.54	

## VINAS (LAS)

LAT 14 20 LON 90 26

1015. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	22.1	23.0	23.8	24.3	23.8	24.2	23.5	23.1	22.5	22.0	21.8	23.0
PCT SUN	65.	65.	65.	59.	47.	43.	43.	43.	45.	46.	56.	66.	54.
MEAN RAD.	440.	480.	530.	530.	480.	460.	460.	460.	450.	420.	420.	430.	463.
PRECIP.	9.	5.	23.	51.	234.	358.	254.	285.	265.	281.	50.	15.	1830.
POT ET	124.	124.	155.	153.	145.	133.	139.	137.	128.	121.	116.	122.	1598.
DEF PREC	115.	119.	132.	102.	-89.	-225.	-115.	-148.	-137.	-159.	66.	107.	-232.
DEP PREC	0.	0.	0.	20.	174.	278.	190.	216.	200.	213.	19.	0.	
MAI	0.00	0.00	0.00	0.13	1.20	2.09	1.37	1.58	1.56	1.75	0.16	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

VIRGEN (LA)		LAT 14 10 LON 90 10 500. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.6	25.8	26.2	25.7	25.4	25.5	25.3	24.8	24.6	24.6	24.4	25.3
PCT SUN	62.	64.	65.	63.	47.	45.	45.	45.	43.	41.	58.	66.	54.
MEAN RAD.	430.	480.	530.	550.	480.	470.	470.	470.	440.	400.	430.	430.	465.
PRECIP.	0.	0.	3.	37.	166.	280.	329.	265.	378.	259.	58.	17.	1792.
POT ET	134.	135.	166.	169.	150.	141.	147.	146.	130.	122.	127.	130.	1698.
DEF PREC	134.	135.	163.	132.	-16.	-138.	-182.	-119.	-248.	-137.	69.	113.	-94.
DEP PREC	0.	0.	0.	8.	117.	212.	253.	200.	294.	195.	26.	0.	
MAI	0.00	0.00	0.00	0.05	0.77	1.50	1.73	1.37	2.26	1.60	0.20	0.00	

VISCAYA		LAT 14 45 LON 91 47 940. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.8	24.9	25.5	24.9	23.8	24.3	23.8	23.2	23.2	22.7	22.7	23.8
PCT SUN	60.	65.	63.	42.	49.	43.	43.	43.	43.	44.	51.	58.	50.
MEAN RAD.	420.	480.	520.	450.	490.	460.	460.	460.	440.	410.	400.	400.	449.
PRECIP.	36.	46.	127.	249.	504.	593.	484.	550.	710.	497.	146.	59.	4001.
POT ET	124.	130.	160.	136.	150.	133.	139.	138.	125.	121.	112.	116.	1583.
DEF PREC	88.	84.	33.	-113.	-354.	-460.	-345.	-412.	-585.	-376.	-34.	57.	-2418.
DEP PREC	7.	16.	84.	186.	400.	475.	384.	439.	573.	395.	100.	26.	
MAI	0.06	0.12	0.52	1.37	2.66	3.57	2.75	3.19	4.57	3.27	0.89	0.23	

WESTFALIA		LAT 15 15 LON 89 54 640. METERS											
	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.3	22.4	22.3	25.3	24.8	24.1	23.7	23.0	23.1	22.5	21.1	20.7	22.9
PCT SUN	56.	61.	64.	56.	45.	41.	41.	45.	43.	47.	52.	56.	50.
MEAN RAD.	400.	460.	520.	520.	470.	450.	450.	470.	440.	420.	400.	390.	449.
PRECIP.	89.	54.	53.	76.	189.	351.	406.	320.	348.	232.	112.	91.	2321.
POT ET	112.	120.	150.	156.	144.	131.	134.	138.	125.	121.	108.	108.	1546.
DEF PREC	23.	66.	96.	80.	-45.	-220.	-272.	-182.	-223.	-110.	-4.	17.	-775.
DEP PREC	52.	22.	22.	41.	136.	272.	318.	246.	269.	172.	71.	53.	
MAI	0.46	0.19	0.14	0.26	0.94	2.08	2.37	1.79	2.15	1.41	0.66	0.50	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUATEMALA

ZACAPA		LAT 14 58 LON 89 31 184. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	27.1	28.1	29.6	30.3	27.6	27.9	28.1	27.5	26.5	25.2	24.5	27.4
PCT SUN	67.	71.	68.	66.	55.	47.	51.	51.	53.	60.	66.	65.	60.
MEAN RAD.	440.	500.	540.	560.	520.	480.	500.	500.	490.	480.	450.	420.	490.
PRECIP.	0.	0.	2.	3.	42.	116.	82.	59.	106.	55.	5.	1.	471.
POT ET	138.	146.	179.	186.	181.	152.	165.	166.	155.	153.	135.	128.	1883.
DEF PREC	138.	146.	177.	183.	139.	36.	83.	107.	49.	98.	130.	127.	1411.
DEP PREC	0.	0.	0.	0.	12.	75.	46.	26.	66.	23.	0.	0.	
MAI	0.00	0.00	0.00	0.00	0.07	0.49	0.28	0.16	0.43	0.15	0.00	0.00	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

ANNA REGINA		LAT 7 18		LON 58 31		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	26.8	26.8	27.1	27.1	26.7	26.6	27.6	27.8	27.9	27.5	26.9	27.1
MEAN R.H.	89.	80.	77.	81.	87.	84.	75.	72.	66.	67.	78.	97.	80.
PCT SUN	42.	57.	61.	55.	45.	51.	64.	57.	74.	72.	59.	23.	56.
MEAN RAD.	357.	453.	467.	478.	394.	396.	455.	508.	531.	540.	445.	241.	439.
PRECIP.	222.	117.	113.	133.	294.	331.	270.	169.	78.	94.	176.	320.	2323.
POT ET	146.	154.	173.	149.	127.	123.	145.	166.	185.	198.	172.	110.	1848.
DEF PREC	-76.	37.	59.	11.	-167.	-208.	-125.	-3.	107.	103.	-4.	-210.	-475.
DEP PREC	158.	77.	74.	93.	214.	242.	195.	117.	47.	59.	122.	233.	
MAI	1.08	0.50	0.43	0.63	1.68	1.98	1.34	0.71	0.25	0.30	0.71	2.13	

BARTICA		LAT 6 24		LON 58 37		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	81.	81.	86.	89.	85.	75.	74.	68.	70.	78.	91.	80.
PCT SUN	45.	55.	56.	48.	42.	50.	63.	65.	72.	70.	60.	38.	55.
MEAN RAD.	370.	442.	446.	446.	386.	398.	458.	505.	524.	527.	445.	330.	440.
PRECIP.	203.	123.	133.	181.	322.	326.	265.	203.	131.	147.	168.	236.	2437.
POT ET	146.	147.	162.	138.	124.	123.	147.	163.	181.	190.	168.	135.	1826.
DEF PREC	-58.	24.	30.	-43.	-197.	-203.	-118.	-40.	50.	43.	1.	-101.	-612.
DEP PREC	144.	81.	89.	126.	235.	239.	191.	143.	83.	100.	116.	169.	
MAI	0.99	0.55	0.55	0.91	1.89	1.94	1.30	0.88	0.48	0.53	0.69	1.25	

BLAIRMONT		LAT 6 16		LON 57 34		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	90.	83.	80.	85.	87.	84.	76.	73.	64.	66.	75.	92.	80.
PCT SUN	41.	52.	56.	50.	46.	50.	63.	67.	76.	75.	63.	35.	56.
MEAN RAD.	347.	429.	448.	457.	404.	401.	458.	510.	539.	547.	453.	313.	443.
PRECIP.	233.	146.	135.	177.	286.	306.	263.	169.	58.	72.	108.	254.	2207.
POT ET	139.	143.	163.	142.	130.	124.	147.	165.	186.	197.	173.	130.	1838.
DEF PREC	-94.	-3.	28.	-36.	-156.	-182.	-116.	-4.	128.	125.	64.	-124.	-369.
DEP PREC	167.	99.	91.	123.	208.	223.	189.	117.	31.	42.	70.	183.	
MAI	1.20	0.69	0.56	0.87	1.59	1.79	1.29	0.71	0.17	0.21	0.41	1.41	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

BOERASIRIE		LAT 6 48		LON 58 18		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	95.	83.	81.	86.	91.	87.	76.	73.	67.	69.	78.	98.	82.
PCT SUN	28.	52.	55.	48.	39.	46.	62.	66.	73.	71.	60.	18.	51.
MEAN RAD.	276.	429.	443.	445.	369.	380.	451.	504.	526.	534.	446.	195.	417.
PRECIP.	319.	154.	139.	193.	356.	426.	321.	200.	118.	123.	157.	361.	2877.
POT ET	117.	143.	161.	138.	119.	118.	145.	163.	182.	192.	169.	93.	1739.
DEF PREC	-202.	-11.	22.	-55.	-235.	-309.	-177.	-37.	64.	59.	2.	-268.	-1138.
DEP PREC	233.	106.	94.	135.	261.	316.	235.	141.	78.	81.	115.	266.	
MAI	2.00	0.74	0.58	0.98	2.19	2.69	1.62	0.86	0.43	0.42	0.68	2.86	

CANE GROVE		LAT 6 38		LON 57 55		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	83.	82.	84.	87.	84.	75.	72.	65.	66.	76.	95.	80.
PCT SUN	43.	53.	55.	51.	46.	51.	64.	67.	75.	74.	62.	29.	56.
MEAN RAD.	363.	434.	440.	463.	400.	401.	459.	511.	536.	546.	456.	278.	440.
PRECIP.	213.	144.	151.	176.	292.	307.	249.	160.	62.	72.	123.	291.	2239.
POT ET	144.	144.	160.	143.	129.	124.	147.	165.	185.	196.	172.	119.	1829.
DEF PREC	-69.	1.	10.	-32.	-163.	-183.	-102.	6.	123.	124.	48.	-172.	-410.
DEP PREC	151.	98.	103.	122.	212.	224.	179.	110.	35.	42.	82.	211.	
MAI	1.05	0.68	0.64	0.85	1.64	1.80	1.22	0.66	0.19	0.22	0.48	1.78	

CHARITY		LAT 7 26		LON 58 36		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	90.	79.	80.	84.	88.	85.	75.	72.	67.	69.	78.	98.	91.
PCT SUN	39.	58.	56.	51.	43.	49.	63.	67.	73.	71.	59.	19.	54.
MEAN RAD.	343.	459.	448.	458.	387.	389.	452.	507.	527.	535.	445.	206.	430.
PRECIP.	240.	107.	152.	184.	309.	371.	299.	168.	99.	118.	178.	348.	2571.
POT ET	138.	152.	163.	142.	125.	120.	145.	164.	182.	193.	168.	97.	1787.
DEF PREC	-102.	45.	11.	-42.	-185.	-250.	-154.	-4.	83.	75.	-10.	-251.	-784.
DEP PREC	172.	69.	104.	128.	226.	273.	218.	116.	63.	78.	124.	255.	
MAI	1.25	0.45	0.64	0.91	1.81	2.26	1.50	0.71	0.34	0.40	0.74	2.54	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

DE KINDEREN		LAT 6 52 LON 58 19 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	93.	83.	82.	85.	90.	86.	76.	73.	67.	68.	73.	97.	81.
PCT SUN	33.	53.	54.	49.	40.	48.	62.	66.	73.	72.	59.	22.	53.
MEAN RAD.	305.	433.	439.	452.	375.	389.	452.	505.	528.	536.	445.	232.	424.
PRECIP.	286.	148.	146.	181.	342.	374.	312.	194.	105.	113.	174.	332.	2707.
POT ET	126.	144.	160.	140.	121.	121.	145.	164.	182.	193.	168.	105.	1768.
DEF PREC	-160.	-4.	14.	-42.	-221.	-253.	-167.	-31.	78.	80.	-6.	-228.	-938.
DEP PREC	208.	101.	99.	127.	251.	275.	227.	136.	67.	74.	121.	243.	
MAI	1.65	0.70	0.62	0.91	2.07	2.29	1.57	0.83	0.37	0.38	0.72	2.33	

DIAMOND		LAT 6 44 LON 58 11 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	92.	83.	83.	86.	90.	85.	76.	74.	66.	67.	77.	96.	81.
PCT SUN	36.	53.	53.	48.	40.	49.	62.	65.	74.	72.	61.	26.	53.
MEAN RAD.	324.	433.	432.	448.	373.	392.	453.	503.	530.	539.	450.	255.	427.
PRECIP.	264.	147.	159.	185.	349.	350.	302.	210.	97.	102.	151.	312.	2637.
POT ET	132.	144.	158.	139.	120.	121.	145.	163.	183.	194.	170.	112.	1780.
DEF PREC	-132.	-3.	-1.	-46.	-228.	-237.	-157.	-47.	86.	92.	19.	-200.	-856.
DEP PREC	190.	100.	109.	130.	256.	263.	220.	149.	62.	65.	103.	228.	
MAI	1.45	0.70	0.69	0.93	2.13	2.17	1.51	0.91	0.34	0.34	0.61	2.04	

ENMORE		LAT 6 45 LON 57 59 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	82.	80.	82.	86.	83.	74.	72.	64.	65.	77.	94.	79.
PCT SUN	44.	54.	56.	54.	49.	52.	64.	68.	76.	75.	62.	31.	57.
MEAN RAD.	366.	441.	447.	476.	411.	406.	460.	512.	537.	549.	454.	288.	446.
PRECIP.	211.	131.	136.	151.	263.	279.	228.	148.	54.	59.	132.	281.	2072.
POT ET	145.	147.	163.	147.	133.	126.	148.	166.	185.	197.	171.	122.	1849.
DEF PREC	-66.	15.	26.	-4.	-130.	-152.	-80.	18.	131.	138.	39.	-159.	-223.
DEP PREC	149.	88.	92.	103.	189.	201.	162.	101.	28.	32.	88.	204.	
MAI	1.03	0.60	0.56	0.70	1.43	1.60	1.10	0.61	0.15	0.16	0.52	1.67	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

GEORGETOWN		LAT 6 49		LON 58 11		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	26.7	27.2	26.8	26.4	26.5	26.9	27.7	27.4	27.0	26.8	26.8
MEAN R.H.	90.	83.	82.	84.	88.	84.	75.	72.	66.	66.	77.	96.	80.
PCT SUN	40.	53.	54.	51.	45.	50.	63.	67.	75.	74.	61.	27.	55.
MEAN RAD.	346.	435.	437.	459.	396.	398.	456.	508.	532.	545.	451.	262.	435.
PRECIP.	237.	143.	149.	166.	297.	323.	270.	172.	79.	74.	145.	306.	2361.
POT ET	141.	149.	162.	144.	127.	122.	145.	164.	185.	197.	172.	116.	1825.
DEF PREC	-96.	5.	13.	-22.	-170.	-200.	-125.	-8.	106.	123.	27.	-190.	-537.
DEP PREC	169.	97.	102.	115.	216.	236.	195.	119.	47.	44.	99.	223.	
MAI	1.20	0.65	0.63	0.80	1.70	1.93	1.34	0.73	0.26	0.22	0.57	1.92	

HOSGROVE		LAT 8 10		LON 59 50		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.2	25.5	26.2	26.2	25.8	25.7	26.2	26.6	26.7	26.3	25.9	25.9
MEAN R.H.	88.	79.	75.	82.	87.	85.	76.	75.	72.	73.	81.	97.	81.
PCT SUN	43.	58.	64.	55.	46.	49.	62.	63.	68.	66.	56.	22.	54.
MEAN RAD.	368.	460.	481.	472.	395.	385.	445.	488.	503.	512.	433.	236.	432.
PRECIP.	209.	118.	101.	149.	276.	390.	345.	202.	214.	204.	232.	320.	2840.
POT ET	144.	151.	172.	145.	125.	117.	139.	155.	171.	183.	164.	106.	1771.
DEF PREC	-66.	33.	71.	-5.	-151.	-274.	-206.	-127.	-43.	-21.	-68.	-214.	-1070.
DEP PREC	148.	78.	65.	102.	199.	288.	253.	204.	152.	144.	166.	233.	
MAI	1.03	0.51	0.38	0.70	1.59	2.47	1.82	1.32	0.89	0.79	1.01	2.20	

LEGUAN		LAT 6 47		LON 58 25		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	93.	82.	82.	85.	90.	86.	75.	72.	66.	68.	78.	98.	81.
PCT SUN	34.	53.	54.	49.	40.	47.	63.	67.	74.	72.	60.	20.	53.
MEAN RAD.	310.	436.	440.	452.	373.	386.	456.	508.	531.	535.	446.	210.	424.
PRECIP.	280.	142.	145.	179.	347.	389.	275.	173.	85.	115.	166.	350.	2646.
POT ET	127.	145.	160.	140.	120.	120.	146.	165.	183.	193.	169.	98.	1766.
DEF PREC	-153.	3.	16.	-39.	-227.	-269.	-129.	-9.	99.	78.	3.	-252.	-890.
DEP PREC	203.	96.	98.	124.	255.	287.	199.	120.	52.	75.	115.	257.	
MAI	1.60	0.66	0.61	0.89	2.12	2.40	1.36	0.73	0.28	0.39	0.68	2.63	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

LEONORA		LAT 6 52		LON 53 17		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	91.	83.	82.	84.	88.	84.	76.	72.	66.	67.	77.	96.	81.
PCT SUN	37.	52.	54.	51.	43.	50.	63.	67.	74.	73.	60.	26.	54.
MEAN RAD.	332.	431.	438.	460.	388.	397.	454.	509.	532.	543.	449.	256.	432.
PRECIP.	255.	152.	148.	165.	313.	329.	287.	168.	79.	83.	155.	311.	2446.
POT ET	134.	144.	160.	142.	125.	123.	146.	165.	184.	195.	170.	112.	1799.
DEF PREC	-121.	-8.	12.	-23.	-188.	-206.	-142.	-3.	105.	112.	14.	-199.	-647.
DEP PREC	183.	104.	101.	114.	229.	241.	208.	116.	48.	51.	106.	227.	
MAI	1.37	0.72	0.63	0.80	1.82	1.96	1.43	0.71	0.26	0.26	0.63	2.02	

LEPER ASYLUM		LAT 6 25		LON 58 37		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	90.	81.	81.	84.	86.	83.	75.	71.	65.	67.	76.	93.	79.
PCT SUN	40.	56.	56.	50.	48.	52.	64.	68.	75.	73.	62.	33.	56.
MEAN RAD.	342.	447.	447.	459.	412.	406.	461.	515.	535.	542.	457.	301.	444.
PRECIP.	240.	113.	131.	156.	262.	279.	231.	131.	58.	76.	117.	267.	2062.
POT ET	137.	148.	162.	142.	133.	126.	148.	167.	185.	195.	172.	126.	1841.
DEF PREC	-103.	35.	32.	-14.	-130.	-153.	-84.	36.	127.	119.	55.	-140.	-221.
DEP PREC	172.	74.	83.	107.	189.	202.	165.	88.	31.	46.	77.	193.	
MAI	1.25	0.50	0.54	0.75	1.43	1.60	1.12	0.53	0.17	0.23	0.45	1.52	

MACKENZIE		LAT 6 1		LON 58 18		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	83.	80.	87.	89.	85.	77.	75.	68.	70.	77.	92.	81.
PCT SUN	43.	52.	56.	45.	41.	49.	61.	63.	72.	70.	61.	35.	54.
MEAN RAD.	360.	430.	449.	437.	384.	395.	451.	499.	523.	527.	448.	311.	435.
PRECIP.	214.	139.	128.	189.	331.	343.	333.	244.	146.	151.	153.	255.	2628.
POT ET	143.	144.	163.	135.	124.	122.	145.	162.	181.	190.	169.	130.	1807.
DEF PREC	-71.	4.	35.	-54.	-207.	-221.	-189.	-83.	35.	39.	16.	-125.	-821.
DEP PREC	152.	94.	85.	133.	242.	252.	244.	175.	99.	103.	105.	183.	
MAI	1.06	0.66	0.52	0.98	1.95	2.06	1.69	1.08	0.55	0.54	0.62	1.42	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

MAZARUNI				LAT 6 24 LON 58 39				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.5	25.8	25.8	25.6	25.7	26.2	26.8	27.1	26.9	25.6	25.9
MEAN R.H.	89.	83.	83.	88.	90.	85.	76.	73.	68.	69.	78.	94.	81.
PCT SUN	42.	52.	53.	44.	39.	49.	63.	65.	71.	70.	60.	31.	53.
MEAN RAD.	356.	429.	433.	431.	373.	395.	457.	505.	521.	530.	446.	289.	430.
PRECIP.	222.	148.	157.	211.	350.	340.	270.	200.	147.	133.	162.	279.	2620.
POT ET	141.	142.	157.	131.	117.	119.	143.	160.	177.	191.	170.	122.	1770.
DEF PREC	-81.	-6.	-0.	-80.	-233.	-220.	-127.	-40.	29.	58.	8.	-157.	-850.
DEP PREC	158.	101.	108.	149.	257.	249.	195.	141.	101.	89.	112.	202.	
MAI	1.12	0.71	0.69	1.14	2.20	2.08	1.36	0.88	0.57	0.47	0.66	1.66	

MORANHANNA				LAT 8 14 LON 59 45				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	91.	81.	76.	82.	89.	85.	75.	74.	70.	72.	80.	99.	81.
PCT SUN	38.	55.	62.	53.	42.	49.	63.	64.	69.	67.	56.	12.	53.
MEAN RAD.	342.	448.	473.	467.	375.	383.	447.	492.	509.	520.	434.	150.	420.
PRECIP.	242.	141.	118.	162.	322.	402.	325.	255.	177.	173.	227.	382.	2925.
POT ET	137.	149.	171.	144.	121.	119.	143.	159.	176.	183.	165.	79.	1751.
DEF PREC	-105.	7.	53.	-18.	-201.	-284.	-182.	-95.	-0.	15.	-62.	-303.	-1174.
DEP PREC	174.	96.	77.	112.	235.	297.	238.	183.	123.	120.	162.	291.	
MAI	1.27	0.64	0.45	0.77	1.95	2.51	1.66	1.15	0.70	0.64	0.98	3.57	

NEW AMSTERDAM				LAT 6 15 LON 57 35				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	26.7	27.1	27.1	27.2	27.2	27.3	27.7	28.1	28.0	27.8	27.2	27.3
MEAN R.H.	89.	83.	81.	85.	87.	84.	76.	72.	64.	65.	75.	92.	79.
PCT SUN	42.	53.	56.	49.	47.	51.	63.	67.	76.	75.	64.	37.	56.
MEAN RAD.	353.	433.	447.	453.	406.	404.	458.	511.	533.	547.	461.	322.	445.
PRECIP.	225.	139.	137.	185.	282.	288.	265.	162.	61.	68.	97.	244.	2154.
POT ET	145.	148.	167.	142.	132.	127.	149.	168.	188.	201.	179.	137.	1883.
DEF PREC	-79.	9.	30.	-43.	-150.	-161.	-116.	6.	127.	133.	82.	-107.	-272.
DEP PREC	160.	94.	92.	130.	205.	209.	191.	111.	34.	39.	61.	175.	
MAI	1.10	0.63	0.55	0.91	1.55	1.65	1.29	0.67	0.18	0.19	0.34	1.28	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

OGLE	LAT 6 49 LON 58 7 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	89.	80.	81.	83.	87.	84.	75.	73.	65.	67.	77.	95.	80.
PCT SUN	41.	56.	56.	52.	46.	51.	63.	67.	75.	73.	61.	29.	56.
MEAN RAD.	354.	450.	446.	465.	399.	400.	457.	508.	534.	542.	454.	277.	440.
PRECIP.	227.	115.	133.	153.	290.	311.	259.	176.	69.	87.	135.	292.	2245.
POT ET	141.	149.	162.	144.	129.	124.	147.	164.	184.	195.	171.	119.	1829.
DEF PREC	-86.	34.	29.	-9.	-162.	-187.	-112.	-12.	115.	108.	36.	-173.	-416.
DEP PREC	162.	75.	89.	105.	211.	227.	146.	122.	40.	54.	90.	212.	
MAI	1.15	0.50	0.55	0.73	1.64	1.83	1.27	0.74	0.22	0.28	0.53	1.78	

ONDERNEEMING	LAT 7 9 LON 58 29 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	91.	82.	78.	83.	90.	85.	75.	72.	66.	68.	78.	97.	80.
PCT SUN	38.	54.	59.	52.	40.	50.	63.	67.	74.	72.	59.	23.	54.
MEAN RAD.	335.	439.	461.	464.	372.	395.	454.	508.	530.	538.	445.	241.	432.
PRECIP.	249.	142.	127.	163.	346.	339.	277.	170.	86.	103.	174.	320.	2498.
POT ET	135.	146.	167.	144.	120.	122.	146.	164.	183.	194.	168.	107.	1796.
DEF PREC	-114.	3.	40.	-20.	-227.	-217.	-131.	-6.	97.	91.	-6.	-212.	-702.
DEP PREC	179.	97.	85.	113.	254.	249.	201.	118.	53.	66.	121.	233.	
MAI	1.33	0.66	0.51	0.78	2.12	2.03	1.38	0.72	0.29	0.34	0.72	2.18	

PORT MOURANT	LAT 6 15 LON 57 20 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	86.	81.	80.	83.	84.	83.	75.	72.	64.	65.	75.	89.	78.
PCT SUN	47.	55.	56.	52.	51.	53.	64.	68.	76.	76.	64.	42.	59.
MEAN RAD.	383.	442.	449.	469.	424.	411.	462.	515.	540.	551.	461.	352.	455.
PRECIP.	185.	122.	134.	154.	242.	247.	220.	139.	58.	56.	97.	211.	1865.
POT ET	150.	147.	163.	145.	137.	127.	148.	167.	186.	198.	173.	142.	1883.
DEF PREC	-35.	25.	29.	-9.	-105.	-120.	-71.	28.	123.	142.	76.	-69.	18.
DEP PREC	130.	80.	90.	106.	173.	178.	156.	94.	31.	30.	62.	150.	
MAI	0.86	0.55	0.55	0.73	1.27	1.39	1.05	0.56	0.17	0.15	0.36	1.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

POTARD	LAT 5 20 LON 59 5 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	96.	91.	92.	96.	97.	91.	79.	76.	68.	70.	78.	97.	86.
PCT SUN	24.	38.	35.	24.	21.	39.	58.	62.	71.	70.	59.	21.	43.
MEAN RAD.	240.	351.	338.	320.	277.	358.	444.	495.	523.	526.	438.	217.	377.
PRECIP.	354.	270.	288.	340.	533.	542.	417.	277.	138.	137.	186.	347.	3829.
POT ET	106.	121.	128.	99.	87.	111.	142.	160.	181.	190.	166.	100.	1594.
DEF PREC	-248.	-149.	-159.	-241.	-444.	-431.	-274.	-117.	43.	53.	-20.	-247.	-2235.
DEP PREC	260.	195.	209.	249.	399.	406.	308.	201.	93.	92.	131.	255.	
MAI	2.46	1.61	1.63	2.52	4.47	3.66	2.17	1.25	0.51	0.49	0.78	2.55	

RUIMVELDT	LAT 6 48 LON 58 10 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	92.	82.	81.	84.	89.	85.	76.	74.	66.	67.	78.	96.	81.
PCT SUN	37.	55.	56.	50.	43.	48.	62.	65.	74.	73.	60.	25.	54.
MEAN RAD.	328.	442.	446.	458.	387.	391.	453.	503.	530.	542.	448.	252.	432.
PRECIP.	259.	130.	133.	168.	317.	365.	298.	210.	95.	90.	157.	315.	2537.
POT ET	133.	147.	162.	142.	125.	121.	145.	163.	183.	195.	159.	111.	1796.
DEF PREC	-126.	17.	29.	-27.	-192.	-244.	-153.	-47.	88.	105.	12.	-204.	-741.
DEP PREC	186.	87.	89.	116.	231.	269.	217.	149.	60.	56.	108.	230.	
MAI	1.40	0.59	0.55	0.82	1.85	2.22	1.49	0.91	0.33	0.29	0.64	2.08	

SCHOONORD	LAT 6 48 LON 58 11 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	92.	82.	82.	85.	89.	86.	76.	73.	66.	68.	77.	96.	81.
PCT SUN	37.	53.	54.	50.	41.	48.	62.	65.	74.	72.	60.	24.	53.
MEAN RAD.	327.	437.	436.	455.	380.	389.	453.	503.	530.	539.	449.	244.	428.
PRECIP.	260.	141.	151.	174.	333.	371.	303.	205.	98.	104.	154.	322.	2615.
POT ET	133.	145.	159.	141.	123.	121.	145.	163.	183.	194.	170.	108.	1784.
DEF PREC	-128.	5.	8.	-34.	-210.	-251.	-158.	-42.	85.	90.	15.	-214.	-831.
DEP PREC	188.	95.	103.	121.	244.	273.	220.	145.	62.	67.	106.	235.	
MAI	1.42	0.66	0.65	0.86	1.99	2.27	1.52	0.89	0.34	0.34	0.62	2.17	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR GUYANA

SKELDON		LAT 5 52 LON 57 9 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	87.	82.	83.	85.	85.	84.	75.	72.	64.	65.	75.	88.	79.
PCT SUN	46.	53.	53.	50.	49.	51.	63.	67.	76.	75.	64.	44.	57.
MEAN RAD.	375.	435.	431.	457.	418.	405.	462.	513.	540.	547.	460.	361.	450.
PRECIP.	196.	129.	145.	168.	262.	286.	235.	155.	66.	75.	99.	204.	2020.
POT ET	148.	145.	157.	142.	135.	126.	148.	166.	186.	197.	173.	145.	1867.
DEF PREC	-48.	16.	13.	-26.	-127.	-160.	-87.	11.	120.	121.	74.	-59.	-153.
DEP PREC	138.	86.	98.	116.	189.	207.	168.	106.	38.	45.	63.	144.	
MAI	0.93	0.59	0.62	0.82	1.40	1.65	1.14	0.64	0.20	0.23	0.36	0.99	

UITVULGT		LAT 6 51 LON 58 18 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	94.	82.	81.	85.	90.	86.	76.	73.	66.	68.	78.	98.	82.
PCT SUN	32.	53.	55.	49.	40.	48.	62.	66.	74.	72.	59.	20.	52.
MEAN RAD.	299.	437.	441.	452.	373.	387.	451.	505.	529.	535.	444.	210.	422.
PRECIP.	293.	140.	143.	181.	348.	385.	315.	192.	96.	117.	178.	350.	2736.
POT ET	124.	145.	160.	140.	120.	120.	145.	164.	183.	193.	168.	98.	1760.
DEF PREC	-169.	5.	13.	-41.	-228.	-265.	-171.	-28.	87.	76.	-10.	-252.	-977.
DEP PREC	213.	95.	97.	126.	255.	284.	230.	135.	61.	77.	124.	257.	
MAI	1.71	0.65	0.60	0.90	2.12	2.37	1.59	0.82	0.33	0.40	0.74	2.63	

WALES		LAT 6 43 LON 58 12 0. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	92.	83.	83.	85.	90.	86.	76.	73.	66.	68.	79.	96.	81.
PCT SUN	36.	53.	53.	49.	41.	48.	62.	66.	74.	72.	58.	24.	53.
MEAN RAD.	321.	435.	432.	453.	377.	389.	453.	505.	530.	538.	439.	244.	426.
PRECIP.	266.	143.	159.	174.	340.	373.	302.	199.	99.	107.	197.	322.	2681.
POT ET	131.	145.	158.	140.	122.	121.	145.	163.	183.	194.	167.	108.	1776.
DEF PREC	-136.	2.	-2.	-34.	-219.	-252.	-157.	-35.	84.	87.	-31.	-214.	-906.
DEP PREC	192.	97.	110.	121.	250.	274.	220.	140.	63.	69.	139.	235.	
MAI	1.47	0.67	0.69	0.86	2.05	2.28	1.51	0.86	0.34	0.36	0.83	2.17	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HAITI

ANSE A VEAU		LAT 18 30		LON 73 21		82. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	71.	69.	74.	76.	62.	68.	70.	64.	66.	65.	70.	67.	68.
MEAN RAD.	425.	470.	550.	600.	560.	590.	600.	560.	540.	480.	440.	400.	518.
PRECIP.	41.	37.	51.	102.	174.	125.	121.	130.	109.	128.	86.	31.	1135.
POT ET	134.	135.	180.	192.	183.	182.	193.	178.	164.	151.	132.	124.	1949.
DEF PREC	93.	98.	129.	90.	9.	57.	73.	48.	55.	23.	46.	93.	813.
DEP PREC	11.	8.	20.	63.	123.	82.	79.	86.	69.	85.	49.	3.	
MAI	0.08	0.06	0.11	0.33	0.67	0.45	0.41	0.48	0.42	0.56	0.37	0.02	

CAP HAITEN		LAT 19 46		LON 72 12		49. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.6	28.2	27.6	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	69.	68.	76.	76.	62.	69.	70.	61.	60.	62.	67.	71.	68.
MEAN RAD.	410.	460.	550.	600.	565.	600.	600.	550.	510.	460.	420.	400.	510.
PRECIP.	120.	112.	89.	99.	139.	84.	34.	53.	97.	202.	268.	197.	1494.
POT ET	129.	133.	180.	193.	185.	185.	194.	175.	155.	145.	126.	124.	1925.
DEF PREC	9.	21.	91.	94.	46.	101.	160.	122.	58.	-57.	-142.	-73.	431.
DEP PREC	78.	71.	52.	60.	94.	48.	6.	22.	59.	147.	202.	143.	
MAI	0.60	0.54	0.29	0.31	0.51	0.26	0.03	0.12	0.38	1.01	1.60	1.15	

GONAIVES		LAT 19 27		LON 72 41		24. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	71.	68.	75.	76.	64.	69.	67.	61.	62.	64.	70.	70.	68.
MEAN RAD.	420.	460.	550.	600.	570.	600.	590.	550.	520.	470.	430.	400.	513.
PRECIP.	6.	14.	15.	29.	81.	95.	78.	64.	82.	60.	20.	9.	553.
POT ET	133.	133.	180.	193.	187.	186.	191.	176.	159.	148.	130.	125.	1940.
DEF PREC	126.	119.	166.	164.	106.	91.	113.	112.	77.	88.	110.	116.	1387.
DEP PREC	0.	0.	0.	1.	45.	57.	43.	31.	46.	27.	0.	0.	
MAI	0.00	0.00	0.00	0.01	0.24	0.31	0.22	0.18	0.29	0.18	0.00	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HAITI

JEREMIE		LAT 18 37 LON 74 5 27. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	71.	69.	72.	73.	62.	68.	70.	64.	64.	65.	71.	71.	68.
MEAN RAD.	425.	470.	540.	590.	560.	590.	600.	560.	530.	480.	440.	410.	516.
PRECIP.	87.	85.	93.	103.	162.	117.	87.	97.	98.	141.	194.	119.	1384.
POT ET	134.	136.	177.	190.	184.	182.	194.	179.	162.	151.	133.	128.	1950.
DEF PREC	47.	51.	84.	87.	22.	65.	107.	82.	64.	10.	-61.	9.	566.
DEF PREC	50.	48.	55.	64.	113.	75.	50.	59.	59.	95.	140.	77.	
MAI	0.37	0.36	0.31	0.34	0.62	0.41	0.26	0.33	0.37	0.63	1.06	0.60	

PORT AU PRINCE OBS		LAT 18 33 LON 72 20 134. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	25.4	25.6	26.3	26.7	27.6	28.0	27.7	26.7	26.6	25.9	24.0	26.3
PCT SUN	72.	69.	80.	76.	64.	70.	70.	61.	62.	63.	81.	67.	70.
MEAN RAD.	430.	470.	570.	600.	570.	600.	600.	550.	520.	470.	470.	400.	521.
PRECIP.	32.	53.	83.	162.	229.	99.	74.	146.	173.	168.	85.	36.	1340.
POT ET	131.	132.	178.	184.	182.	190.	198.	181.	161.	150.	143.	120.	1951.
DEF PREC	99.	79.	95.	22.	-47.	91.	124.	35.	-12.	-18.	58.	84.	611.
DEF PREC	4.	22.	47.	113.	169.	60.	39.	100.	122.	118.	48.	7.	
MAI	0.03	0.16	0.26	0.61	0.93	0.32	0.20	0.55	0.76	0.79	0.34	0.06	

PORT DE PAIX		LAT 19 58 LON 72 50 82. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	73.	69.	76.	76.	66.	69.	69.	61.	60.	62.	71.	72.	69.
MEAN RAD.	420.	460.	550.	600.	580.	600.	600.	550.	510.	460.	430.	400.	513.
PRECIP.	118.	79.	58.	65.	93.	82.	68.	85.	111.	120.	200.	141.	1220.
POT ET	132.	132.	180.	192.	190.	185.	193.	175.	155.	145.	129.	124.	1932.
DEF PREC	14.	53.	122.	127.	97.	103.	125.	90.	44.	25.	-71.	-17.	712.
DEF PREC	76.	43.	26.	32.	55.	46.	34.	48.	70.	78.	145.	95.	
MAI	0.58	0.33	0.14	0.16	0.29	0.25	0.18	0.28	0.45	0.54	1.12	0.77	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

AGUA AZUL	LAT 14 51 LON 88 0 646. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.7	25.8	26.4	25.8	24.7	25.2	24.7	24.1	24.1	23.6	23.6	24.7
PCT SUN	63.	71.	68.	52.	43.	29.	36.	40.	39.	42.	68.	67.	52.
MEAN RAD.	430.	500.	540.	500.	460.	380.	420.	440.	420.	400.	460.	430.	448.
PRECIP.	104.	61.	41.	75.	186.	392.	439.	411.	461.	257.	146.	117.	2690.
POT ET	130.	138.	170.	154.	144.	112.	130.	134.	123.	121.	132.	128.	1615.
DEF PREC	26.	77.	129.	79.	-42.	-280.	-309.	-277.	-339.	-136.	-14.	11.	-1074.
DEF PPREC	64.	28.	11.	40.	133.	306.	346.	322.	364.	193.	100.	75.	
MAI	0.50	0.20	0.07	0.26	0.92	2.73	2.66	2.40	2.97	1.60	0.75	0.59	

AGUA CALIENTE	LAT 14 40 LON 87 18 555. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	25.0	26.1	26.6	26.1	25.0	25.5	25.0	24.4	24.4	23.9	23.9	25.0
PCT SUN	60.	71.	66.	54.	41.	26.	41.	40.	43.	46.	71.	73.	53.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	30.	20.	29.	44.	149.	215.	172.	144.	196.	165.	67.	41.	1272.
POT ET	127.	139.	167.	158.	142.	107.	140.	135.	129.	127.	136.	135.	1644.
DEF PREC	97.	119.	138.	114.	-7.	-108.	-32.	-9.	-67.	-38.	69.	94.	372.
DEP PREC	2.	0.	1.	14.	102.	158.	121.	98.	142.	116.	33.	11.	
MAI	0.02	0.00	0.01	0.09	0.72	1.47	0.87	0.72	1.10	0.91	0.24	0.08	

AMAPA	LAT 15 3 LON 87 59 69. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN T FMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.3	25.3	26.5
PCT SUN	58.	68.	71.	46.	39.	28.	36.	38.	37.	42.	66.	62.	49.
MEAN RAD.	410.	490.	550.	470.	440.	370.	420.	430.	410.	400.	450.	410.	438.
PRECIP.	56.	37.	21.	30.	115.	271.	299.	241.	344.	228.	126.	82.	1850.
POT ET	129.	141.	180.	151.	144.	114.	136.	137.	125.	126.	135.	127.	1644.
DEF PREC	73.	104.	159.	121.	29.	-157.	-163.	-104.	-219.	-102.	9.	45.	-206.
DEP PREC	24.	8.	0.	2.	74.	205.	228.	179.	266.	169.	83.	46.	
MAI	0.19	0.06	0.00	0.01	0.51	1.79	1.68	1.31	2.13	1.34	0.61	0.36	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

AMAPALA		LAT 13 17				LON 87 39				5. METERS			
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.6	28.9	29.9	30.3	29.4	28.1	28.9	29.0	27.8	27.6	27.9	28.4	28.7
PCT SUN	60.	63.	72.	50.	42.	33.	33.	44.	44.	41.	57.	55.	50.
MEAN RAD.	430.	480.	560.	490.	450.	400.	400.	460.	450.	400.	430.	400.	446.
PRECIP.	1.	2.	10.	41.	267.	391.	205.	185.	491.	346.	60.	5.	2004.
POT ET	144.	146.	193.	165.	153.	128.	135.	156.	143.	131.	137.	133.	1764.
DEF PREC	143.	144.	183.	124.	-114.	-263.	-70.	-29.	-348.	-215.	77.	128.	-240.
DEF PREC	0.	0.	0.	11.	201.	305.	149.	132.	389.	268.	27.	0.	
MAI	0.00	0.00	0.00	0.07	1.31	2.38	1.11	0.85	2.72	2.04	0.20	0.00	

CATACAMAS		LAT 14 54				LON 85 56				442. METERS			
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	23.2	24.7	25.9	26.3	25.4	24.6	24.7	25.2	24.6	23.4	22.5	24.4
PCT SUN	60.	65.	71.	48.	41.	33.	32.	45.	45.	42.	63.	56.	50.
MEAN RAD.	420.	480.	550.	480.	450.	400.	400.	470.	450.	400.	440.	390.	444.
PRECIP.	46.	23.	15.	33.	123.	230.	227.	162.	180.	170.	75.	41.	1325.
POT ET	120.	128.	168.	146.	143.	120.	122.	144.	135.	122.	126.	113.	1586.
DEF PREC	74.	104.	153.	113.	20.	-110.	-105.	-18.	-45.	-48.	51.	72.	261.
DEF PREC	16.	0.	0.	5.	80.	170.	168.	113.	128.	120.	40.	11.	
MAI	0.13	0.00	0.00	0.03	0.56	1.41	1.38	0.79	0.95	0.98	0.32	0.10	

CEIBA (LA)		LAT 15 47				LON 86 50				8. METERS			
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	25.5	26.1	26.9	27.3	27.3	27.6	27.5	25.9	24.7	24.3	25.9
PCT SUN	59.	73.	69.	52.	44.	34.	31.	47.	45.	43.	61.	55.	51.
MEAN RAD.	410.	500.	540.	500.	470.	410.	390.	480.	450.	400.	430.	380.	447.
PRECIP.	354.	221.	133.	108.	93.	124.	128.	149.	214.	387.	286.	420.	2617.
POT ET	123.	135.	168.	153.	151.	129.	127.	157.	142.	126.	127.	115.	1654.
DEF PREC	-232.	-86.	35.	45.	58.	5.	-1.	8.	-72.	-261.	-159.	-305.	-964.
DEF PREC	274.	163.	89.	68.	55.	81.	85.	102.	157.	302.	217.	330.	
MAI	2.24	1.20	0.53	0.44	0.36	0.63	0.67	0.65	1.10	2.40	1.71	2.87	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR HONDURAS

COMAYAGUA		LAT 14 25 LON 87 38						0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	23.0	24.5	25.5	26.5	25.5	25.6	25.9	25.2	24.8	23.7	23.7	24.6
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	73.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	14.	9.	7.	35.	113.	192.	137.	167.	142.	152.	44.	23.	1035.
POT ET	119.	132.	161.	154.	144.	109.	141.	138.	132.	129.	136.	134.	1627.
DEF PREC	105.	123.	154.	119.	30.	-83.	4.	-28.	-10.	-23.	92.	111.	592.
DEF PREC	0.	0.	0.	6.	72.	138.	92.	117.	96.	105.	14.	0.	
MAI	0.00	0.00	0.00	0.04	0.50	1.27	0.65	0.85	0.73	0.81	0.10	0.00	

COYULES		LAT 15 29 LON 86 41						305. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.7	26.8	27.4	26.8	25.7	26.3	25.7	25.2	25.2	24.6	24.6	25.8
PCT SUN	59.	72.	69.	52.	45.	34.	31.	47.	45.	42.	61.	54.	51.
MEAN RAD.	410.	500.	540.	500.	470.	410.	390.	480.	450.	400.	430.	380.	447.
PRECIP.	53.	31.	16.	20.	59.	134.	98.	73.	115.	125.	107.	81.	912.
POT ET	127.	142.	174.	158.	151.	124.	124.	150.	135.	124.	127.	116.	1650.
DEF PREC	74.	111.	158.	138.	92.	-10.	26.	78.	19.	-1.	20.	35.	738.
DEF PREC	22.	3.	0.	0.	26.	90.	59.	38.	74.	82.	67.	45.	
MAI	0.17	0.02	0.00	0.00	0.18	0.72	0.48	0.25	0.55	0.66	0.53	0.39	

CHOLUTUCA		LAT 13 18 LON 87 12						48. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.5	28.5	30.0	30.2	29.3	27.2	28.5	28.3	27.3	26.9	27.3	28.2	28.3
PCT SUN	60.	63.	72.	50.	42.	33.	33.	44.	44.	41.	57.	55.	50.
MEAN RAD.	430.	480.	560.	490.	450.	400.	400.	460.	450.	400.	430.	400.	446.
PRECIP.	0.	3.	12.	48.	270.	402.	194.	215.	418.	345.	41.	6.	1954.
POT ET	144.	145.	193.	165.	153.	126.	134.	153.	142.	129.	135.	133.	1750.
DEF PREC	144.	142.	181.	117.	-117.	-276.	-60.	-62.	-277.	-216.	94.	127.	-204.
DEF PREC	0.	0.	0.	17.	204.	315.	140.	158.	328.	267.	11.	0.	
MAI	0.00	0.00	0.00	0.11	1.33	2.50	1.05	1.03	2.32	2.07	0.08	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

CHUMBAGUA		LAT 15 15 LON 88 28 304. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.7	26.8	27.4	26.8	25.7	26.3	25.7	25.2	25.2	24.6	24.6	25.8
PCT SUN	58.	69.	71.	46.	39.	28.	36.	38.	37.	42.	66.	62.	49.
MEAN RAD.	410.	490.	550.	470.	440.	370.	420.	430.	410.	400.	450.	410.	438.
PRECIP.	48.	32.	30.	38.	97.	259.	195.	157.	205.	177.	103.	87.	1428.
POT ET	127.	139.	177.	148.	141.	112.	133.	135.	123.	124.	133.	125.	1616.
DEF PREC	79.	107.	147.	110.	44.	-147.	-62.	-22.	-82.	-53.	30.	38.	188.
DEP PREC	17.	4.	2.	9.	59.	195.	141.	109.	149.	126.	64.	50.	
MAI	0.14	0.03	0.01	0.06	0.41	1.73	1.06	0.81	1.22	1.02	0.48	0.40	

DULCE NOMBRE		LAT 14 50 LON 88 50 1022. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.5	24.7	25.2	24.7	23.5	24.1	23.5	23.0	23.0	22.4	22.4	23.6
PCT SUN	55.	71.	68.	50.	43.	26.	39.	33.	37.	40.	71.	67.	50.
MEAN RAD.	400.	500.	540.	490.	460.	360.	440.	400.	410.	390.	470.	430.	441.
PRECIP.	47.	20.	24.	35.	116.	249.	203.	153.	257.	157.	74.	65.	1400.
POT ET	117.	134.	165.	147.	140.	104.	132.	119.	116.	114.	131.	124.	1543.
DEF PREC	70.	114.	141.	112.	24.	-145.	-70.	-34.	-141.	-43.	57.	59.	144.
DEP PREC	16.	0.	0.	6.	75.	186.	147.	105.	193.	109.	39.	32.	
MAI	0.14	0.00	0.00	0.04	0.53	1.80	1.11	0.89	1.66	0.95	0.30	0.25	

ESPERANZA (LA)		LAT 14 16 LON 88 10 1981. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.3	15.6	17.4	18.7	18.5	18.9	18.2	18.6	18.2	18.7	16.8	14.2	17.3
PCT SUN	59.	70.	65.	52.	45.	27.	36.	36.	39.	41.	67.	66.	50.
MEAN RAD.	420.	500.	530.	500.	470.	360.	420.	420.	420.	400.	460.	430.	444.
PRECIP.	9.	6.	25.	36.	192.	269.	214.	205.	322.	137.	32.	15.	1462.
POT ET	96.	108.	133.	126.	122.	92.	108.	109.	105.	104.	110.	98.	1310.
DEF PREC	87.	101.	108.	90.	-70.	-177.	-106.	-96.	-218.	-33.	78.	83.	-152.
DEP PREC	0.	0.	0.	7.	138.	203.	157.	149.	248.	92.	4.	0.	
MAI	0.00	0.00	0.00	0.06	1.13	2.22	1.45	1.37	2.37	0.88	0.04	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

GUANACASTAL													
LAT 15 40 LON 87 50 11. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	59.	70.	66.	48.	41.	31.	35.	34.	37.	43.	70.	73.	51.
MEAN RAD.	410.	490.	530.	480.	450.	390.	420.	410.	410.	400.	460.	440.	441.
PRECIP.	81.	95.	54.	39.	50.	228.	223.	130.	196.	278.	190.	144.	1708.
POT ET	130.	142.	174.	154.	148.	121.	136.	131.	125.	126.	139.	137.	1663.
DEF PREC	48.	47.	120.	115.	98.	-107.	-87.	1.	-71.	-152.	-51.	-7.	-45.
DEP PREC	45.	57.	22.	10.	19.	169.	164.	66.	142.	210.	137.	98.	
MAI	0.35	0.40	0.13	0.06	0.13	1.40	1.21	0.66	1.13	1.67	0.98	0.71	

GUANAJA													
LAT 16 28 LON 85 50 2. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.8	26.4	27.6	26.6	28.4	27.9	28.5	28.8	27.4	26.6	25.6	27.1
PCT SUN	58.	68.	72.	48.	41.	33.	40.	51.	47.	43.	60.	56.	52.
MEAN RAD.	400.	480.	550.	480.	450.	410.	450.	500.	460.	400.	420.	380.	448.
PRECIP.	256.	116.	72.	74.	74.	124.	244.	169.	131.	242.	415.	391.	2308.
POT ET	124.	136.	175.	152.	144.	132.	148.	167.	150.	130.	130.	119.	1707.
DEF PREC	-132.	20.	103.	78.	70.	8.	-96.	-2.	18.	-112.	-285.	-272.	-601.
DEP PREC	192.	75.	37.	39.	39.	81.	182.	119.	87.	180.	326.	305.	
MAI	1.55	0.55	0.21	0.26	0.27	0.61	1.23	0.71	0.58	1.38	2.51	2.57	

GUARUMAS #3													
LAT 15 22 LON 87 59 36. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.4	25.4	26.6
PCT SUN	59.	69.	71.	46.	39.	28.	36.	38.	37.	42.	66.	62.	49.
MEAN RAD.	410.	490.	550.	470.	440.	370.	420.	430.	410.	400.	450.	410.	438.
PRECIP.	68.	50.	43.	36.	96.	154.	141.	118.	187.	181.	148.	115.	1337.
POT ET	129.	141.	180.	151.	144.	114.	136.	137.	125.	126.	136.	128.	1648.
DEF PREC	61.	91.	137.	115.	48.	-40.	-5.	19.	-62.	-55.	-12.	13.	311.
DEP PREC	34.	19.	13.	7.	58.	106.	95.	76.	134.	129.	101.	74.	
MAI	0.26	0.13	0.07	0.05	0.40	0.93	0.70	0.56	1.07	1.02	0.75	0.58	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

GUAYMAS		LAT 15 33		LON 87 43		14. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	59.	69.	66.	48.	41.	31.	36.	34.	37.	42.	70.	72.	51.
MEAN RAD.	410.	490.	530.	480.	450.	390.	420.	410.	410.	400.	460.	440.	441.
PRECIP.	146.	115.	66.	57.	69.	164.	210.	177.	184.	237.	351.	199.	1975.
POT ET	129.	142.	174.	154.	148.	121.	136.	131.	125.	126.	139.	137.	1663.
DEF PREC	-17.	26.	108.	98.	79.	-43.	-74.	-46.	-59.	-111.	-212.	-62.	-312.
DEP PREC	100.	74.	32.	25.	35.	115.	153.	126.	131.	176.	272.	144.	
MAI	0.77	0.52	0.19	0.16	0.24	0.95	1.13	0.96	1.05	1.39	1.96	1.05	

HAC. FL SAUCE		LAT 14 51		LON 88 5		650. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.7	25.8	26.3	25.8	24.7	25.2	24.7	24.1	24.1	23.6	23.6	24.7
PCT SUN	63.	71.	68.	52.	43.	29.	36.	40.	39.	42.	68.	67.	52.
MEAN RAD.	430.	500.	540.	500.	460.	380.	420.	440.	420.	400.	460.	430.	448.
PRECIP.	134.	103.	85.	77.	266.	549.	652.	525.	592.	470.	244.	177.	3874.
POT ET	130.	138.	169.	154.	144.	112.	130.	134.	122.	121.	132.	128.	1615.
DEF PREC	-5.	35.	84.	77.	-122.	-437.	-522.	-391.	-470.	-349.	-112.	-49.	-2259.
DEP PREC	90.	64.	48.	42.	200.	438.	525.	418.	474.	372.	182.	126.	
MAI	0.69	0.46	0.29	0.27	1.39	3.90	4.04	3.11	3.87	3.08	1.38	0.98	

HAC. LAS CANADAS		LAT 14 9		LON 87 3		1250. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.8	24.0	24.5	24.0	22.8	23.4	22.8	22.3	22.3	21.7	21.7	22.9
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	41.	24.	22.	53.	208.	251.	199.	176.	223.	234.	101.	33.	1565.
POT ET	121.	132.	159.	150.	135.	102.	133.	128.	122.	121.	129.	128.	1560.
DEF PREC	80.	108.	137.	97.	-73.	-149.	-65.	-48.	-101.	-113.	28.	95.	-5.
DEP PREC	11.	0.	0.	22.	152.	188.	144.	125.	164.	174.	62.	5.	
MAI	0.09	0.00	0.00	0.14	1.12	1.85	1.08	0.97	1.34	1.44	0.48	0.04	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

	MAC. SAN ISIDRO				LAT 13 52 LON 86 34		792. METERS						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	24.2	25.4	25.9	25.4	24.2	24.8	24.2	23.7	23.7	23.1	23.1	24.3
PCT SUN	61.	67.	65.	50.	41.	28.	33.	38.	39.	41.	58.	62.	49.
MEAN RAD.	430.	490.	530.	490.	450.	370.	400.	430.	420.	400.	430.	420.	438.
PRECIP.	28.	10.	17.	27.	99.	222.	167.	120.	143.	167.	64.	23.	1087.
POT ET	128.	134.	165.	149.	140.	108.	122.	130.	121.	119.	122.	123.	1562.
DEF PREC	100.	124.	148.	122.	41.	-114.	-44.	10.	-22.	-48.	58.	100.	476.
DEF PREC	0.	0.	0.	0.	60.	163.	117.	78.	97.	117.	31.	0.	
MAI	0.00	0.00	0.00	0.00	0.43	1.51	0.96	0.60	0.80	0.98	0.25	0.00	

JUTTIAPA	LAT 15 47 LON 86 34 23. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	59.	73.	69.	52.	44.	34.	31.	47.	45.	43.	61.	55.	51.
MEAN RAD.	410.	500.	540.	500.	470.	410.	390.	480.	450.	400.	430.	380.	447.
PRECIP.	69.	30.	21.	27.	224.	276.	218.	170.	323.	227.	106.	133.	1824.
POT ET	129.	144.	177.	161.	154.	127.	126.	153.	137.	126.	130.	118.	1684.
DEF PREC	60.	114.	156.	134.	-70.	-149.	-91.	-17.	-186.	-101.	24.	-15.	-140.
DEF PREC	35.	2.	0.	0.	165.	209.	160.	120.	248.	168.	66.	89.	
MAI	0.27	0.02	0.00	0.00	1.07	1.65	1.27	0.78	1.81	1.33	0.51	0.75	

JUTICALPA	LAT 14 46 LON 86 15 395. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.5	26.6	27.1	26.6	25.5	26.0	25.5	24.9	24.9	24.3	24.3	25.5
PCT SUN	60.	65.	71.	48.	41.	33.	32.	45.	45.	42.	62.	55.	50.
MEAN RAD.	420.	480.	550.	480.	450.	400.	400.	470.	450.	400.	440.	390.	444.
PRECIP.		35.	17.	23.	134.	205.	197.	132.	198.	182.	98.	41.	1324.
POT ET	1	35.	176.	151.	144.	121.	126.	146.	134.	123.	129.		1631.
DEF PREC	68	100.	159.	127.	10.	-84.	-71.	14.	-64.	-59.	31.	77.	307.
DEP PREC	28.	6.	0.	0.	90.	149.	143.	88.	143.	130.		11.	
MAI	0.22	0.05	0.00	0.00	0.62	1.24	1.13	0.60	1.07	1.06	0.46	0.10	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

LABOR (LA)		LAT 14 29 LON 89 0 993. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.6	24.7	25.3	24.7	23.6	24.2	23.6	23.1	23.1	22.5	22.5	23.7
PCT SUN	54.	70.	68.	50.	43.	26.	39.	33.	37.	40.	70.	66.	50.
MEAN RAD.	400.	500.	540.	490.	460.	360.	440.	400.	410.	390.	470.	430.	441.
PRECIP.	4.	7.	14.	39.	130.	228.	202.	166.	264.	152.	38.	17.	1261.
POT ET	117.	134.	165.	147.	141.	104.	133.	119.	116.	114.	132.	124.	1547.
DEF PREC	113.	127.	151.	108.	11.	-124.	-69.	-47.	-148.	-38.	93.	107.	286.
DEP PREC	0.	0.	0.	10.	86.	169.	147.	117.	199.	105.	9.	0.	
MAI	0.00	0.00	0.00	0.07	0.61	1.63	1.10	0.98	1.71	0.91	0.07	0.00	

LAMANI		LAT 14 9 LON 87 37 727. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	24.4	25.6	26.1	25.6	24.4	25.0	24.4	23.9	23.9	23.3	23.3	24.5
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	11.	8.	11.	58.	224.	374.	230.	140.	321.	193.	26.	9.	1605.
POT ET	126.	137.	165.	156.	140.	106.	138.	134.	128.	126.	134.	133.	1623.
DEF PREC	115.	129.	155.	98.	-84.	-268.	-92.	-6.	-193.	-67.	108.	124.	19.
DEP PREC	0.	0.	0.	26.	165.	291.	170.	95.	247.	139.	0.	0.	
MAI	0.00	0.00	0.00	0.16	1.18	2.75	1.23	0.71	1.93	1.11	0.00	0.00	

MANACAL		LAT 15 23 LON 88 10 95. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.4	27.5	28.0	27.5	26.4	26.9	26.4	25.8	25.8	25.3	25.3	26.4
PCT SUN	59.	69.	71.	46.	39.	28.	36.	38.	37.	42.	66.	62.	49.
MEAN RAD.	410.	490.	550.	470.	440.	370.	420.	430.	410.	400.	450.	410.	438.
PRECIP.	52.	29.	32.	35.	61.	170.	154.	119.	170.	155.	96.	79.	1152.
POT ET	129.	141.	180.	150.	144.	114.	135.	137.	125.	126.	135.	127.	1641.
DEF PREC	77.	112.	148.	115.	83.	-56.	-19.	18.	-45.	-29.	39.	48.	489.
DEP PREC	21.	1.	4.	6.	28.	120.	106.	77.	120.	107.	58.	43.	
MAI	0.16	0.01	0.02	0.04	0.20	1.05	0.79	0.56	0.96	0.85	0.43	0.34	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

MARCLA		LAT 14 7 LON 88 0 1219. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	22.9	24.1	24.6	24.1	22.9	23.5	22.9	22.4	22.4	21.8	21.8	23.0
PCT SUN	59.	70.	65.	52.	45.	27.	36.	36.	39.	41.	67.	66.	50.
MEAN RAD.	420.	500.	530.	500.	470.	360.	420.	420.	420.	400.	460.	430.	444.
PRECIP.	6.	2.	6.	37.	147.	264.	247.	203.	322.	144.	7.	10.	1395.
POT ET	121.	132.	159.	147.	141.	102.	125.	123.	117.	115.	127.	122.	1532.
DEF PREC	115.	130.	153.	110.	-6.	-162.	-122.	-80.	-205.	-29.	119.	112.	137.
DEF PREC	0.	0.	0.	8.	101.	199.	184.	147.	248.	98.	0.	0.	
MAI	0.00	0.00	0.00	0.06	0.71	1.95	1.48	1.20	2.11	0.85	0.00	0.00	

MFSA (L4)		LAT 15 27 LON 87 56 26. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.4	24.7	26.3	27.0	27.0	26.5	26.9	26.9	25.6	24.1	23.7	25.4
PCT SUN	59.	69.	71.	46.	39.	28.	36.	38.	37.	42.	67.	63.	50.
MEAN RAD.	410.	490.	550.	470.	440.	370.	420.	430.	410.	400.	450.	410.	438.
PRECIP.	60.	53.	34.	32.	70.	160.	118.	90.	158.	175.	121.	120.	1191.
POT ET	120.	131.	168.	144.	142.	115.	134.	138.	128.	125.	131.	122.	1599.
DEF PREC	60.	78.	134.	112.	72.	-45.	16.	48.	-30.	-50.	10.	2.	408.
DEF PREC	27.	22.	6.	4.	36.	111.	76.	53.	110.	124.	79.	78.	
MAI	0.23	0.17	0.03	0.03	0.25	0.96	0.57	0.38	0.86	0.99	0.60	0.64	

MOROCELI		LAT 14 8 LON 86 53 616. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.8	25.9	26.5	25.9	24.8	25.3	24.8	24.2	24.2	23.7	23.7	24.8
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	2.	2.	3.	8.	80.	149.	69.	102.	113.	101.	31.	3.	663.
POT ET	127.	138.	167.	157.	142.	107.	140.	135.	129.	127.	136.	134.	1637.
DEF PREC	125.	136.	164.	149.	62.	-42.	71.	33.	16.	26.	105.	131.	973.
DEF PREC	0.	0.	0.	0.	44.	102.	35.	63.	72.	62.	3.	0.	
MAI	0.00	0.00	0.00	0.00	0.31	0.96	0.25	0.47	0.56	0.49	0.02	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

## MOCHITO (EL)

LAT 14 50 LON 88 6 633. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.7	25.8	26.4	25.8	24.7	25.3	24.7	24.2	24.2	23.6	23.6	24.8
PCT SUN	63.	71.	68.	52.	43.	29.	36.	40.	39.	42.	68.	67.	52.
MEAN RAD.	430.	500.	540.	500.	460.	380.	420.	440.	420.	400.	460.	430.	448.
PRECIP.	54.	39.	28.	43.	135.	344.	392.	348.	427.	257.	104.	68.	2239.
POT ET	130.	138.	170.	154.	145.	112.	130.	134.	123.	121.	133.	128.	1617.
DEF PREC	76.	99.	142.	111.	10.	-232.	-262.	-213.	-304.	-136.	29.	60.	-622.
DEP PREC	22.	10.	0.	13.	90.	266.	306.	269.	336.	193.	64.	34.	
MAI	0.17	0.07	0.00	0.08	0.62	2.37	2.35	2.00	2.74	1.60	0.48	0.27	

## NVO, NCOTEPEQUE

LAT 14 26 LON 89 10 793. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	23.1	25.2	26.1	25.5	24.8	24.4	25.1	24.3	23.8	22.7	22.1	24.1
PCT SUN	54.	70.	68.	50.	43.	27.	39.	33.	37.	39.	70.	66.	50.
MEAN RAD.	400.	500.	540.	490.	460.	360.	440.	400.	410.	390.	470.	430.	441.
PRECIP.	14.	4.	19.	48.	135.	254.	209.	195.	258.	125.	32.	13.	1306.
POT ET	115.	133.	167.	150.	143.	107.	133.	123.	120.	117.	132.	123.	1563.
DEF PREC	101.	128.	148.	102.	9.	-147.	-76.	-72.	-138.	-8.	100.	110.	257.
DEP PREC	0.	0.	0.	17.	90.	190.	153.	141.	194.	82.	4.	0.	
MAI	0.00	0.00	0.00	0.12	0.63	1.79	1.14	1.14	1.61	0.70	0.03	0.00	

## NVO, ROSARIO

LAT 14 13 LON 87 5 1177. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.5	23.1	24.2	24.7	24.2	23.1	23.6	23.1	22.5	22.5	22.0	22.0	23.1
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	47.	24.	23.	42.	180.	243.	175.	144.	216.	218.	93.	59.	1464.
POT ET	121.	132.	160.	151.	136.	102.	134.	129.	123.	121.	130.	128.	1568.
DEF PREC	74.	109.	137.	109.	-44.	-101.	-41.	-15.	-93.	-96.	37.	69.	105.
DEP PREC	16.	0.	0.	12.	128.	181.	124.	98.	158.	160.	55.	26.	
MAI	0.14	0.00	0.00	0.08	0.94	1.77	0.93	0.76	1.29	1.32	0.42	0.21	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

PAZ (LA)		LAT 14 17 LON 87 40 667. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.6	25.7	26.3	25.7	24.6	25.2	24.6	24.1	24.1	23.5	23.5	24.7
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	4.	7.	3.	26.	121.	190.	153.	119.	207.	125.	29.	7.	991.
POT ET	126.	138.	166.	157.	141.	106.	139.	134.	128.	126.	135.	134.	1631.
DEF PREC	122.	131.	163.	131.	20.	-84.	-14.	15.	-79.	1.	106.	127.	640.
DEF PREC	0.	0.	0.	0.	79.	137.	105.	77.	151.	82.	1.	0.	
MAI	0.00	0.00	0.00	0.00	0.56	1.29	0.76	0.57	1.18	0.65	0.01	0.00	

PENA BLANCA		LAT 14 56 LON 88 3 487. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	25.2	26.3	26.8	26.3	25.2	25.7	25.2	24.6	24.6	24.1	24.1	25.2
PCT SUN	63.	71.	68.	52.	43.	29.	36.	40.	39.	42.	68.	68.	52.
MEAN RAD.	430.	500.	540.	500.	460.	380.	420.	440.	420.	400.	460.	430.	448.
PRECIP.	147.	99.	83.	58.	180.	433.	571.	438.	504.	381.	204.	175.	3273.
POT ET	131.	139.	171.	156.	146.	114.	132.	136.	124.	122.	134.	129.	1634.
DEF PREC	-16.	40.	88.	98.	-34.	-319.	-439.	-302.	-380.	-259.	-70.	-46.	-1639.
DEF PREC	101.	60.	47.	26.	128.	341.	457.	345.	400.	297.	148.	124.	
MAI	0.77	0.43	0.27	0.16	0.88	3.00	3.47	2.54	3.23	2.44	1.11	0.96	

PICACHO (EL)		LAT 14 7 LON 87 12 1358. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.0	22.5	23.6	24.2	23.6	22.5	23.1	22.5	22.0	22.0	21.4	21.4	22.6
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	25.	9.	12.	20.	134.	156.	91.	88.	152.	139.	64.	31.	920.
POT ET	120.	131.	158.	149.	134.	101.	132.	127.	121.	120.	128.	126.	1546.
DEF PREC	95.	122.	146.	129.	-0.	-55.	41.	39.	-30.	-19.	64.	95.	626.
DEF PREC	0.	0.	0.	0.	90.	108.	53.	51.	105.	94.	31.	3.	
MAI	0.00	0.00	0.00	0.00	0.67	1.07	0.40	0.40	0.86	0.78	0.24	0.02	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

PLANES (LOS)		LAT 15 37 LON 86 24 69. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.3	25.3	26.5
PCT SUN	62.	67.	72.	48.	41.	32.	32.	45.	45.	43.	64.	57.	51.
MEAN RAD.	420.	480.	550.	480.	450.	400.	400.	470.	450.	400.	440.	390.	444.
PRECIP.	154.	94.	65.	59.	144.	205.	106.	162.	197.	292.	291.	212.	1981.
POT ET	132.	138.	180.	154.	147.	123.	129.	150.	137.	126.	132.	121.	1670.
DEF PREC	-22.	44.	115.	95.	3.	-82.	23.	-12.	-60.	-166.	-159.	-91.	-311.
DEP PREC	106.	56.	32.	26.	98.	149.	66.	113.	143.	222.	222.	155.	
MAI	0.80	0.40	0.18	0.17	0.67	1.21	0.51	0.76	1.04	1.77	1.67	1.28	

PROGRESO		LAT 15 21 LON 87 58 30. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	59.	69.	71.	46.	39.	28.	36.	38.	37.	42.	66.	62.	49.
MEAN RAD.	410.	490.	550.	470.	440.	370.	420.	430.	410.	400.	450.	410.	438.
PRECIP.	88.	60.	46.	42.	85.	164.	175.	136.	181.	211.	217.	149.	1554.
POT ET	129.	141.	180.	151.	144.	114.	136.	137.	125.	126.	136.	128.	1649.
DEF PREC	41.	81.	130.	109.	59.	-50.	-39.	1.	-56.	-85.	-81.	-21.	95.
DEP PREC	51.	27.	16.	12.	48.	115.	124.	91.	129.	154.	159.	102.	
MAI	0.39	0.19	0.09	0.08	0.34	1.00	0.91	0.66	1.03	1.22	1.17	0.80	

PUERTO CORTES		LAT 15 48 LON 87 56 1. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.6	25.6	26.7
PCT SUN	59.	70.	72.	48.	41.	31.	35.	34.	37.	43.	70.	73.	51.
MEAN RAD.	410.	490.	550.	480.	450.	390.	420.	410.	410.	400.	460.	440.	443.
PRECIP.	292.	131.	124.	108.	126.	164.	192.	196.	225.	493.	454.	376.	2881.
POT ET	130.	142.	181.	155.	148.	121.	136.	131.	125.	126.	139.	137.	1671.
DEF PREC	-162.	11.	57.	47.	22.	-43.	-56.	-65.	-100.	-367.	-315.	-239.	-1210.
DEP PREC	222.	87.	81.	68.	83.	115.	138.	142.	166.	391.	358.	293.	
MAI	1.72	0.61	0.45	0.44	0.56	0.95	1.01	1.08	1.32	3.09	2.58	2.13	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

PUERTO LEMPIRA													
LAT 15 13 LON 83 47 13. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	61.	72.	69.	52.	51.	41.	39.	51.	47.	42.	58.	62.	54.
MEAN RAD.	420.	500.	540.	500.	500.	450.	440.	500.	460.	400.	420.	410.	462.
PRECIP.	228.	107.	60.	81.	185.	348.	261.	251.	286.	407.	333.	232.	2779.
POT ET	133.	144.	177.	161.	164.	139.	143.	160.	141.	126.	127.	128.	1743.
DEF PREC	-95.	38.	117.	80.	-21.	-209.	-118.	-91.	-145.	-281.	-206.	-104.	-1036.
DEP PREC	169.	67.	27.	45.	132.	269.	196.	188.	217.	319.	257.	172.	
MAT	1.27	0.46	0.15	0.28	0.81	1.93	1.38	1.17	1.55	2.52	2.03	1.34	

SABANAGRANDE													
LAT 13 49 LON 87 16 1020. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.5	24.7	25.2	24.7	23.5	24.1	23.5	23.0	23.0	22.4	22.4	23.6
PCT SUN	61.	64.	73.	50.	41.	33.	33.	44.	44.	41.	58.	56.	50.
MEAN RAD.	430.	480.	560.	490.	450.	400.	400.	460.	450.	400.	430.	400.	446.
PRECIP.	3.	4.	13.	42.	165.	242.	72.	69.	268.	158.	27.	184.	1247.
POT ET	126.	129.	171.	147.	137.	115.	120.	137.	127.	117.	120.	115.	1562.
DEF PREC	123.	125.	158.	105.	-28.	-127.	49.	68.	-141.	-41.	93.	-68.	315.
DEP PREC	0.	0.	0.	12.	116.	180.	37.	35.	202.	110.	0.	131.	
MAT	0.00	0.00	0.00	0.08	0.84	1.57	0.31	0.26	1.59	0.94	0.00	1.14	

SAN JUANCITO													
LAT 14 13 LON 87 4 1149. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.6	23.2	24.3	24.8	24.3	23.2	23.7	23.2	22.6	22.6	22.0	22.0	23.2
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	45.	24.	28.	46.	188.	243.	165.	151.	224.	233.	95.	64.	1506.
POT ET	122.	133.	160.	151.	136.	102.	134.	129.	123.	122.	130.	129.	1572.
DEF PREC	77.	109.	132.	105.	-52.	-141.	-31.	-22.	-101.	-111.	35.	65.	66.
DEP PREC	15.	0.	0.	16.	135.	181.	116.	104.	165.	173.	57.	31.	
MAT	0.12	0.00	0.00	0.10	0.99	1.77	0.86	0.80	1.34	1.42	0.44	0.24	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

SAN MARCOS		LAT 13 25		LON 86 49		982. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.7	24.8	25.3	24.8	23.7	24.2	23.7	23.1	23.1	22.6	22.6	23.7
PCT SUN	60.	66.	65.	50.	42.	28.	33.	38.	39.	41.	57.	61.	48.
MEAN RAD.	430.	490.	530.	490.	450.	370.	400.	430.	420.	400.	430.	420.	438.
PRECIP.	2.	10.	18.	33.	256.	197.	93.	54.	204.	229.	29.	5.	1130.
POT ET	126.	132.	162.	147.	138.	107.	121.	128.	119.	117.	120.	122.	1540.
DEF PREC	124.	122.	144.	114.	-118.	-90.	28.	74.	-85.	-112.	92.	117.	409.
DEP PREC	0.	0.	0.	5.	192.	143.	55.	22.	148.	169.	1.	0.	
MAI	0.00	0.00	0.00	0.03	1.39	1.34	0.46	0.18	1.24	1.44	0.01	0.00	

SAN PEDRO SULA		LAT 15 28		LON 88 1		76. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	24.2	26.0	27.3	27.9	27.9	27.1	27.5	27.5	25.8	24.6	23.4	26.0
PCT SUN	59.	69.	71.	46.	39.	28.	36.	38.	37.	42.	67.	63.	50.
MEAN RAD.	410.	490.	550.	470.	440.	370.	420.	430.	410.	400.	450.	410.	438.
PRECIP.	72.	52.	51.	36.	92.	159.	154.	117.	191.	179.	144.	120.	1367.
POT ET	121.	134.	173.	148.	145.	118.	136.	140.	130.	125.	133.	121.	1624.
DEF PREC	49.	82.	122.	112.	53.	-41.	-18.	23.	-61.	-54.	-11.	1.	257.
DEP PREC	37.	21.	20.	7.	54.	111.	106.	75.	137.	127.	98.	78.	
MAI	0.31	0.16	0.11	0.05	0.37	0.94	0.78	0.54	1.06	1.02	0.74	0.64	

SANTA ROSA COPAN		LAT 14 47		LON 86 46		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.3	18.3	19.8	21.5	21.7	21.6	21.1	21.3	21.3	19.9	18.5	17.4	20.0
PCT SUN	55.	71.	68.	50.	43.	26.	39.	33.	37.	40.	71.	67.	50.
MEAN RAD.	400.	500.	540.	490.	460.	360.	440.	400.	410.	390.	470.	430.	441.
PRECIP.	130.	84.	83.	36.	55.	143.	179.	128.	258.	204.	192.	150.	1643.
POT ET	100.	116.	145.	133.	130.	98.	123.	112.	111.	105.	118.	108.	1401.
DEF PREC	-30.	32.	62.	97.	75.	-45.	-56.	-16.	-147.	-99.	-74.	-42.	-242.
DEP PREC	86.	48.	47.	7.	23.	97.	127.	85.	194.	148.	138.	103.	
MAI	0.86	0.41	0.32	0.05	0.18	0.99	1.04	0.76	1.74	1.41	1.17	0.95	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

SAUCE (EL)		LAT 13 55 LON 87 13 1319. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	22.6	23.7	24.3	23.7	22.6	23.2	22.6	22.1	22.1	21.5	21.5	22.7
PCT SUN	59.	69.	65.	54.	43.	28.	42.	40.	44.	45.	66.	65.	52.
MEAN RAD.	420.	500.	530.	510.	460.	370.	450.	440.	450.	420.	460.	430.	453.
PRECIP.	12.	4.	12.	30.	187.	255.	76.	81.	236.	140.	41.	8.	1082.
POT ET	120.	131.	158.	149.	137.	104.	132.	128.	125.	120.	125.	121.	1551.
DEF PREC	108.	127.	146.	119.	-50.	-151.	56.	47.	-111.	-20.	84.	113.	470.
DEF PREC	0.	0.	0.	2.	134.	191.	41.	45.	175.	95.	11.	0.	
MAJ	0.00	0.00	0.00	0.01	0.98	1.84	0.31	0.35	1.41	0.79	0.09	0.00	

TALANGA		LAT 14 48 LON 88 48 1080. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	23.4	24.5	25.0	24.5	23.4	23.9	23.4	22.8	22.8	22.3	22.3	23.4
PCT SUN	55.	74.	66.	50.	43.	28.	39.	36.	37.	40.	71.	64.	50.
MEAN RAD.	400.	510.	530.	490.	460.	370.	440.	420.	410.	390.	470.	420.	443.
PRECIP.	29.	16.	18.	61.	190.	149.	110.	84.	149.	142.	74.	51.	1073.
POT ET	117.	136.	161.	146.	140.	106.	132.	124.	116.	114.	131.	121.	1542.
DEF PREC	88.	120.	143.	85.	-50.	-43.	22.	40.	-33.	-28.	57.	70.	469.
DEF PREC	1.	0.	0.	28.	137.	102.	69.	48.	102.	96.	39.	20.	
MAJ	0.01	0.00	0.00	0.19	0.98	0.97	0.53	0.38	0.88	0.85	0.30	0.16	

TEGUCIGALPA		LAT 14 3 LON 87 13 1007. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.5	20.6	21.8	23.2	23.5	23.4	22.5	22.7	22.9	21.9	20.8	19.8	21.9
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	45.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	11.	5.	9.	29.	152.	164.	88.	95.	182.	133.	39.	13.	920.
POT ET	112.	124.	150.	145.	134.	103.	130.	128.	124.	120.	126.	121.	1517.
DEF PREC	101.	119.	142.	116.	-18.	-61.	42.	33.	-58.	-14.	87.	108.	597.
DEF PREC	0.	0.	0.	1.	105.	115.	51.	57.	130.	89.	10.	0.	
MAJ	0.00	0.00	0.00	0.01	0.78	1.12	0.39	0.44	1.05	0.74	0.08	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

TELA	LAT 15 43 LON 87 29 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.6	24.7	26.1	26.6	27.3	26.8	26.6	27.1	25.9	24.4	23.5	25.5
PCT SUN	50.	70.	67.	48.	41.	31.	35.	34.	37.	43.	70.	73.	51.
MEAN RAD.	410.	490.	530.	480.	450.	390.	420.	410.	410.	400.	460.	440.	441.
PRECIP.	254.	160.	86.	83.	95.	137.	174.	229.	207.	365.	409.	369.	2568.
POT ET	121.	132.	162.	147.	144.	123.	135.	131.	129.	126.	135.	131.	1614.
DEF PREC	-133.	-28.	76.	64.	49.	-14.	-39.	-98.	-78.	-239.	-274.	-238.	-955.
DEP PREC	190.	111.	49.	47.	57.	92.	123.	169.	151.	284.	321.	287.	
MAI	1.58	0.85	0.30	0.32	0.39	0.75	0.91	1.29	1.17	2.25	2.37	2.20	

TRUJILLO	LAT 15 55 LON 85 59 2. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	60.	73.	69.	52.	44.	34.	30.	47.	45.	43.	62.	55.	51.
MEAN RAD.	410.	500.	540.	500.	470.	410.	390.	480.	450.	400.	430.	380.	447.
PRECIP.	339.	205.	112.	74.	114.	109.	139.	109.	161.	438.	519.	397.	2716.
POT ET	130.	145.	177.	161.	154.	127.	127.	154.	138.	126.	130.	119.	1687.
DEF PREC	-209.	-60.	65.	87.	40.	18.	-12.	45.	-23.	-311.	-389.	-278.	-1029.
DEP PREC	262.	149.	71.	39.	73.	69.	94.	69.	112.	345.	413.	310.	
MAI	2.02	1.03	0.40	0.24	0.47	0.54	0.74	0.45	0.82	2.73	3.18	2.62	

URRACO	LAT 15 33 LON 87 46 12. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	59.	69.	66.	50.	41.	29.	34.	36.	37.	45.	70.	72.	51.
MEAN RAD.	410.	490.	530.	490.	450.	380.	410.	420.	410.	410.	460.	440.	442.
PRECIP.	136.	81.	53.	49.	82.	143.	166.	159.	167.	220.	301.	186.	1743.
POT ET	130.	142.	174.	158.	148.	118.	133.	134.	125.	130.	139.	137.	1666.
DEF PREC	-6.	61.	121.	109.	66.	-25.	-33.	-25.	-42.	-90.	-162.	-49.	-76.
DEP PREC	91.	45.	22.	18.	46.	97.	117.	111.	117.	162.	230.	133.	
MAI	0.70	0.32	0.12	0.12	0.31	0.83	0.88	0.82	0.93	1.25	1.66	0.97	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

VENTA (LA)		LAT 14 18 LON 87 10 900. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	23.9	25.0	25.6	25.0	23.9	24.5	23.9	23.4	23.4	22.8	22.8	24.0
PCT SUN	59.	70.	65.	54.	41.	27.	41.	40.	43.	46.	70.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	19.	16.	24.	37.	149.	171.	134.	83.	160.	176.	49.	36.	1054.
POT ET	124.	135.	163.	154.	139.	104.	137.	132.	126.	124.	133.	131.	1602.
DEF PREC	105.	119.	139.	117.	-11.	-66.	3.	49.	-34.	-52.	83.	95.	547.
DEF PREC	0.	0.	0.	8.	102.	121.	90.	47.	111.	125.	18.	7.	
MAI	0.00	0.00	0.00	0.05	0.74	1.15	0.66	0.35	0.89	1.01	0.14	0.06	

VERACRUZ		LAT 14 54 LON 88 47 914. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	23.9	25.0	25.5	25.0	23.9	24.4	23.9	23.3	23.3	22.8	22.8	23.9
PCT SUN	55.	74.	66.	50.	43.	28.	39.	36.	37.	40.	71.	64.	50.
MEAN RAD.	400.	510.	530.	490.	460.	370.	440.	420.	410.	390.	470.	420.	443.
PRECIP.	45.	22.	26.	31.	140.	299.	232.	190.	288.	183.	87.	68.	1611.
POT ET	118.	138.	163.	148.	141.	107.	134.	126.	117.	115.	132.	122.	1562.
DEF PREC	73.	116.	137.	117.	1.	-192.	-98.	-64.	-171.	-68.	45.	54.	-49.
DEF PREC	15.	0.	0.	3.	95.	228.	172.	137.	219.	131.	50.	34.	
MAI	0.13	0.00	0.00	0.02	0.67	2.13	1.29	1.09	1.87	1.14	0.38	0.28	

YORO		LAT 15 10 LON 87 7 610. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	23.1	25.6	26.3	26.4	25.9	24.7	24.8	23.7	23.5	23.5	22.2	24.3
PCT SUN	58.	71.	69.	52.	45.	34.	31.	47.	45.	42.	60.	53.	51.
MEAN RAD.	410.	500.	540.	500.	470.	410.	390.	480.	450.	400.	430.	380.	447.
PRECIP.	27.	30.	15.	31.	131.	156.	109.	100.	153.	157.	104.	56.	1069.
POT ET	117.	133.	169.	154.	150.	125.	119.	147.	130.	119.	124.	109.	1594.
DEF PREC	90.	103.	154.	123.	18.	-31.	10.	47.	-23.	-38.	20.	53.	525.
DEF PREC	0.	2.	0.	3.	87.	108.	69.	61.	105.	109.	64.	24.	
MAI	0.00	0.02	0.00	0.02	0.58	0.87	0.57	0.42	0.81	0.92	0.52	0.22	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR HONDURAS

YUSCARAN		LAT 13 56 LON 86 52 1006. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.6	24.7	25.3	24.7	23.6	24.1	23.6	23.0	23.0	22.5	22.5	23.6
PCT SUN	61.	64.	73.	50.	41.	33.	33.	44.	44.	41.	58.	56.	50.
MEAN RAD.	430.	480.	560.	490.	450.	400.	400.	460.	450.	400.	430.	400.	446.
PRECIP.	12.	20.	17.	26.	123.	294.	147.	173.	256.	229.	33.	25.	1355.
POT ET	126.	129.	171.	147.	137.	115.	121.	137.	128.	117.	120.	116.	1563.
DEF PREC	114.	109.	154.	121.	15.	-179.	-26.	-36.	-128.	-112.	87.	91.	209.
DEP PREC	0.	0.	0.	0.	80.	224.	101.	122.	192.	169.	5.	0.	
MAI	0.00	0.00	0.00	0.00	0.58	1.94	0.83	0.89	1.51	1.45	0.04	0.00	

ZACAPA		LAT 14 41 LON 88 4 457. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.3	26.4	26.9	26.4	25.3	25.8	25.3	24.7	24.7	24.2	24.2	25.3
PCT SUN	63.	71.	68.	52.	43.	29.	36.	40.	39.	42.	68.	67.	51.
MEAN RAD.	430.	500.	540.	500.	460.	380.	420.	440.	420.	400.	460.	430.	448.
PRECIP.	49.	37.	36.	30.	109.	243.	257.	226.	276.	240.	104.	62.	1669.
POT ET	131.	140.	172.	156.	146.	114.	132.	136.	124.	122.	134.	130.	1637.
DEF PREC	82.	103.	136.	126.	37.	-129.	-125.	-90.	-152.	-118.	30.	68.	-32.
DEP PREC	18.	8.	7.	2.	69.	181.	193.	167.	209.	179.	64.	29.	
MAI	0.14	0.06	0.04	0.01	0.47	1.59	1.46	1.23	1.68	1.46	0.48	0.22	

ZAMORANO (EL)		LAT 14 0 LON 87 2 793. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.5	21.0	22.4	23.4	24.0	22.8	22.4	22.7	22.7	22.2	21.3	20.5	22.2
PCT SUN	59.	70.	65.	54.	41.	27.	42.	40.	43.	45.	69.	72.	52.
MEAN RAD.	420.	500.	530.	510.	450.	360.	450.	440.	440.	420.	470.	450.	453.
PRECIP.	14.	10.	12.	32.	133.	242.	154.	132.	191.	143.	45.	12.	1120.
POT ET	115.	125.	153.	146.	135.	101.	130.	128.	124.	121.	127.	123.	1529.
DEF PREC	101.	116.	141.	114.	2.	-141.	-24.	-4.	-67.	-22.	82.	111.	409.
DEP PREC	0.	0.	0.	4.	89.	180.	106.	88.	137.	97.	15.	0.	
MAI	0.00	0.00	0.00	0.03	0.66	1.78	0.82	0.69	1.11	0.81	0.12	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR JAMAICA

GROVE PLACE		LAT 18 7 LON 77 33				445. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	21.2	21.8	22.6	23.2	23.6	23.7	23.9	23.8	23.3	22.8	21.9	22.8
PCT SUN	68.	68.	74.	75.	55.	61.	71.	59.	69.	62.	63.	66.	66.
MEAN RAD.	420.	470.	550.	600.	530.	560.	600.	540.	550.	470.	420.	400.	509.
PRECIP.	46.	61.	93.	224.	210.	125.	127.	170.	250.	359.	112.	97.	1874.
POT ET	118.	119.	156.	168.	156.	161.	179.	162.	159.	139.	118.	114.	1749.
DEF PREC	72.	58.	63.	-56.	-54.	37.	52.	-9.	-91.	-221.	6.	18.	-125.
DEF PREC	16.	28.	55.	165.	153.	82.	83.	120.	187.	279.	71.	58.	
MAI	0.13	0.24	0.35	0.98	0.98	0.51	0.47	0.74	1.18	2.01	0.60	0.51	

MORANT POINT LH		LAT 17 56 LON 76 10				2. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.0	25.8	26.2	26.6	27.0	27.4	27.7	27.1	26.6	26.3	26.1	26.4
PCT SUN	67.	71.	74.	75.	58.	64.	71.	61.	66.	64.	66.	69.	67.
MEAN RAD.	420.	480.	550.	600.	540.	570.	600.	550.	540.	480.	430.	410.	514.
PRECIP.	91.	69.	44.	81.	149.	123.	87.	149.	185.	304.	214.	111.	1607.
POT ET	129.	133.	173.	184.	172.	178.	196.	180.	169.	153.	132.	129.	1929.
DEF PREC	38.	65.	128.	103.	24.	54.	109.	32.	-16.	-151.	-82.	18.	322.
DEF PREC	54.	35.	14.	45.	102.	81.	50.	102.	132.	232.	156.	70.	
MAI	0.41	0.26	0.08	0.25	0.59	0.45	0.26	0.57	0.78	1.52	1.18	0.54	

NEGRIL POINT		LAT 18 15 LON 78 23				10. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.8	25.3	26.1	26.4	26.9	27.2	27.3	27.1	27.1	26.4	25.8	26.3
PCT SUN	68.	66.	74.	75.	53.	59.	70.	59.	66.	62.	64.	70.	66.
MEAN RAD.	420.	460.	550.	600.	520.	550.	600.	540.	540.	470.	420.	410.	507.
PRECIP.	56.	50.	73.	88.	169.	131.	145.	140.	144.	199.	78.	52.	1325.
POT ET	129.	127.	171.	183.	166.	171.	195.	176.	169.	152.	129.	129.	1896.
DEF PREC	73.	77.	97.	95.	-3.	41.	50.	36.	25.	-47.	51.	77.	572.
DEF PREC	24.	19.	38.	51.	119.	87.	99.	95.	98.	144.	43.	21.	
MAI	0.19	0.15	0.23	0.28	0.72	0.51	0.51	0.54	0.58	0.95	0.33	0.16	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR JAMAICA

KINGSTON		LAT 17 59 LON 76 48 24. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	24.7	25.2	25.9	26.7	27.4	27.7	27.6	27.5	26.6	26.3	25.6	26.3
PCT SUN	68.	68.	74.	75.	58.	61.	71.	57.	69.	64.	66.	59.	66.
MEAN RAD.	420.	470.	550.	600.	540.	560.	600.	530.	550.	480.	430.	380.	509.
PRECIP.	22.	20.	22.	30.	86.	89.	43.	102.	100.	174.	79.	33.	800.
POT FT	129.	130.	170.	183.	173.	177.	197.	174.	174.	153.	132.	119.	1910.
DEF PREC	107.	109.	148.	152.	87.	87.	154.	72.	74.	-21.	53.	86.	1110.
DEP PREC	0.	0.	0.	3.	49.	52.	13.	62.	61.	123.	43.	5.	
MAI	0.00	0.00	0.00	0.01	0.28	0.29	0.07	0.36	0.35	0.80	0.33	0.04	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR MARTINIQUE

	FORT-DE-FRANCE				LAT 14 37 LON 61 4				144. METERS				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.0	24.4	25.2	25.9	26.0	25.9	26.3	26.4	26.2	25.6	24.1	25.3
PCT SUN	63.	71.	71.	75.	57.	60.	73.	62.	67.	65.	65.	67.	66.
MEAN RAD.	430.	500.	550.	600.	530.	540.	600.	550.	550.	500.	450.	430.	519.
PRECIP.	95.	71.	59.	81.	116.	160.	208.	234.	229.	218.	236.	122.	1830.
POT ET	130.	136.	167.	180.	167.	165.	189.	175.	169.	158.	136.	130.	1900.
DEF PREC	34.	65.	108.	99.	50.	5.	-19.	-59.	-60.	-60.	-100.	7.	70.
DEF PREC	57.	36.	26.	45.	75.	111.	151.	174.	169.	160.	176.	80.	
MAI	0.44	0.27	0.16	0.25	0.45	0.68	0.80	0.99	1.00	1.01	1.29	0.61	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

BLUEFIELDS		LAT 12 0 LON 83 43				9. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	26.3	28.3	28.8	26.4	26.3	25.2	26.1	26.2	26.4	25.3	24.7	26.3
PCT SUN	60.	64.	66.	50.	35.	26.	30.	30.	38.	34.	50.	53.	45.
MEAN RAD.	440.	490.	540.	490.	410.	350.	380.	380.	420.	370.	410.	400.	423.
PRECIP.	253.	104.	71.	98.	349.	506.	801.	619.	317.	335.	363.	359.	4175.
POT ET	137.	140.	179.	159.	130.	107.	117.	120.	129.	118.	123.	122.	1583.
DEF PREC	-116.	37.	108.	61.	-219.	-398.	-684.	-499.	-188.	-217.	-240.	-237.	-2592.
DEP PREC	190.	64.	37.	59.	270.	402.	650.	497.	243.	258.	282.	278.	
MAI	1.39	0.46	0.20	0.37	2.07	3.74	5.53	4.14	1.89	2.20	2.29	2.28	

CARATERA		LAT 13 13 LON 85 45				960. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.7	24.8	25.4	24.8	23.7	24.3	23.7	23.2	23.2	22.6	22.6	23.8
PCT SUN	60.	63.	66.	50.	40.	28.	33.	35.	44.	45.	62.	61.	49.
MEAN RAD.	430.	480.	535.	490.	440.	370.	400.	410.	450.	420.	450.	420.	441.
PRECIP.	111.	49.	34.	37.	225.	354.	420.	247.	265.	287.	167.	119.	2315.
POT ET	126.	129.	164.	147.	135.	107.	121.	122.	128.	123.	126.	122.	1552.
DEF PREC	15.	80.	130.	110.	-90.	-247.	-299.	-125.	-137.	-164.	-41.	3.	-763.
DEP PREC	70.	18.	6.	8.	166.	274.	330.	184.	200.	218.	117.	77.	
MAI	0.56	0.14	0.03	0.06	1.23	2.57	2.73	1.51	1.56	1.77	0.93	0.63	

CARDENAS		LAT 11 12 LON 85 31				40. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	62.	65.	68.	57.	51.	26.	43.	33.	42.	47.	67.	62.	52.
MEAN RAD.	450.	500.	550.	520.	490.	350.	450.	400.	440.	440.	480.	440.	459.
PRECIP.	81.	34.	28.	60.	204.	388.	341.	296.	295.	326.	195.	107.	2355.
POT ET	142.	144.	180.	167.	161.	108.	146.	128.	134.	139.	145.	137.	1730.
DEF PREC	61.	110.	152.	107.	-43.	-280.	-195.	-168.	-161.	-187.	-50.	30.	-625.
DEP PREC	45.	6.	0.	27.	148.	303.	264.	226.	225.	251.	141.	67.	
MAI	0.32	0.04	0.00	0.16	0.92	2.80	1.81	1.77	1.67	1.81	0.97	0.49	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

CIUDAD GRANADA		LAT 11 56 LON 85 57 95. METERS											ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN TEMP	25.8	26.4	27.5	28.0	27.5	26.4	26.9	26.4	25.8	25.8	25.3	25.3	26.4
PCT SUN	63.	64.	66.	54.	48.	26.	43.	34.	42.	48.	67.	64.	52.
MEAN RAD.	450.	490.	540.	510.	480.	350.	450.	405.	440.	440.	475.	440.	456.
PRECIP.	5.	2.	6.	21.	153.	286.	163.	171.	271.	289.	76.	23.	1466.
POT ET	141.	141.	176.	163.	157.	108.	145.	129.	134.	138.	142.	136.	1710.
DEF PREC	136.	139.	170.	142.	4.	-178.	-18.	-42.	-137.	-151.	66.	113.	244.
DEP PREC	0.	0.	0.	0.	105.	217.	114.	121.	205.	220.	41.	0.	
MAI	0.00	0.00	0.00	0.00	0.67	2.02	0.79	0.94	1.53	1.59	0.29	0.00	

CIUDAD RIVAS		LAT 11 26 LON 85 51 70. METERS											ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.3	25.3	26.5
PCT SUN	62.	63.	66.	55.	48.	26.	43.	34.	42.	48.	66.	63.	51.
MEAN RAD.	450.	490.	540.	510.	480.	350.	450.	405.	440.	440.	475.	440.	456.
PRECIP.	11.	5.	4.	5.	193.	294.	176.	176.	296.	326.	78.	23.	1587.
POT ET	142.	141.	177.	163.	157.	108.	145.	129.	134.	138.	143.	137.	1714.
DEF PREC	131.	136.	173.	158.	-36.	-186.	-31.	-47.	-162.	-187.	65.	114.	127.
DEP PREC	0.	0.	0.	0.	139.	224.	125.	125.	226.	251.	43.	0.	
MAI	0.00	0.00	0.00	0.00	0.89	2.07	0.86	0.97	1.68	1.81	0.30	0.00	

COLON		LAT 11 7 LON 85 28 35. METERS											ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.4	25.4	26.6
PCT SUN	61.	65.	68.	57.	51.	26.	43.	33.	42.	47.	67.	62.	52.
MEAN RAD.	450.	500.	550.	520.	490.	350.	450.	400.	440.	440.	480.	440.	459.
PRECIP.	80.	47.	17.	19.	186.	338.	327.	257.	269.	299.	191.	154.	2184.
POT ET	142.	144.	180.	167.	161.	108.	146.	128.	134.	139.	145.	137.	1731.
DEF PREC	62.	97.	163.	148.	-25.	-230.	-181.	-129.	-135.	-160.	-46.	-17.	-453.
DEP PREC	44.	16.	0.	0.	133.	261.	252.	193.	203.	228.	137.	106.	
MAI	0.31	0.11	0.00	0.00	0.83	2.41	1.73	1.51	1.51	1.64	0.95	0.78	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

CHINANDEGA		LAT 12 37 LON 87 9 60. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.6	25.5	26.9	26.1	25.8	26.3	26.1	25.6	25.4	24.3	23.3	25.2
PCT SUN	59.	70.	69.	59.	54.	27.	44.	33.	44.	51.	75.	68.	54.
MEAN RAD.	430.	510.	550.	530.	510.	360.	460.	400.	450.	450.	500.	450.	467.
PRECIP.	1.	1.	5.	3.	204.	314.	187.	225.	434.	515.	95.	4.	1988.
POT ET	127.	137.	171.	165.	161.	109.	146.	126.	136.	140.	146.	133.	1698.
DEF PREC	126.	136.	166.	162.	-43.	-205.	-41.	-99.	-298.	-375.	51.	129.	-290.
DEP PREC	0.	0.	0.	0.	148.	241.	134.	166.	342.	410.	57.	0.	
MAI	0.00	0.00	0.00	0.00	0.92	2.20	0.92	1.31	2.51	2.93	0.39	0.00	

ESTELI		LAT 13 5 LON 86 23 815. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	24.2	25.3	25.8	25.3	24.2	24.7	24.2	23.6	23.6	23.1	23.1	24.2
PCT SUN	64.	63.	67.	57.	46.	27.	40.	36.	40.	45.	68.	63.	51.
MEAN RAD.	445.	480.	540.	520.	470.	360.	440.	420.	430.	420.	470.	430.	452.
PRECIP.	2.	3.	7.	25.	108.	198.	69.	79.	184.	222.	36.	23.	956.
POT ET	132.	131.	168.	158.	146.	105.	134.	127.	124.	125.	133.	126.	1609.
DEF PREC	130.	128.	160.	133.	38.	-93.	65.	48.	-60.	-97.	97.	103.	653.
DEP PREC	0.	0.	0.	0.	68.	143.	35.	43.	131.	163.	7.	0.	
MAI	0.00	0.00	0.00	0.00	0.46	1.36	0.26	0.34	1.06	1.31	0.05	0.00	

JINOTEGA		LAT 13 6 LON 86 0 1035. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.5	24.6	25.2	24.6	23.5	24.1	23.5	22.9	22.9	22.4	22.4	23.6
PCT SUN	63.	65.	69.	52.	42.	30.	35.	33.	42.	41.	59.	57.	49.
MEAN RAD.	440.	490.	550.	500.	450.	380.	410.	400.	440.	400.	440.	410.	443.
PRECIP.	39.	23.	11.	11.	140.	185.	148.	123.	164.	218.	57.	44.	1163.
POT ET	129.	131.	168.	149.	137.	109.	123.	119.	124.	117.	123.	118.	1548.
DEF PREC	90.	108.	157.	139.	-3.	-76.	-25.	-4.	-40.	-101.	66.	74.	385.
DEP PREC	10.	0.	0.	0.	95.	132.	101.	80.	115.	160.	25.	14.	
MAI	0.08	0.00	0.00	0.00	0.69	1.21	0.82	0.68	0.92	1.37	0.20	0.12	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

JUALPALPA		LAT 12 7 LON 85 22 90. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	26.4	27.4	27.7	28.0	26.7	25.7	26.0	25.6	26.0	25.6	25.1	26.3
PCT SUN	63.	64.	66.	57.	44.	26.	44.	33.	42.	44.	63.	61.	51.
MEAN RAD.	450.	490.	540.	520.	460.	350.	460.	400.	440.	420.	460.	430.	452.
PRECIP.	10.	4.	2.	8.	180.	234.	151.	157.	301.	266.	71.	26.	1410.
POT ET	140.	141.	176.	165.	152.	109.	144.	126.	133.	132.	139.	133.	1690.
DEF PREC	130.	137.	174.	157.	-28.	-125.	-7.	-31.	-168.	-133.	68.	107.	280.
DEP PREC	0.	0.	0.	0.	128.	174.	104.	109.	230.	200.	37.	0.	
MAI	0.00	0.00	0.00	0.00	0.84	1.60	0.72	0.86	1.73	1.51	0.26	0.00	

LOVAGO		LAT 11 58 LON 85 12 90. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.4	27.5	28.1	27.5	26.4	26.9	26.4	25.8	25.8	25.3	25.3	26.4
PCT SUN	63.	64.	66.	57.	44.	26.	44.	33.	42.	44.	63.	61.	51.
MEAN RAD.	450.	490.	540.	520.	460.	350.	460.	400.	440.	420.	460.	430.	452.
PRECIP.	28.	13.	3.	7.	118.	273.	168.	146.	212.	236.	92.	30.	1326.
POT ET	141.	141.	176.	166.	150.	108.	148.	127.	134.	132.	138.	133.	1696.
DEF PREC	113.	128.	173.	159.	32.	-165.	-20.	-19.	-78.	-104.	46.	103.	370.
DEP PREC	0.	0.	0.	0.	76.	206.	118.	100.	155.	175.	54.	2.	
MAI	0.00	0.00	0.00	0.00	0.51	1.91	0.80	0.78	1.16	1.33	0.39	0.02	

LEON		LAT 12 27 LON 86 52 110. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.3	27.4	28.0	27.4	26.3	26.9	26.3	25.8	25.8	25.2	25.2	26.4
PCT SUN	58.	70.	69.	59.	54.	27.	44.	33.	44.	51.	75.	68.	54.
MEAN RAD.	430.	510.	550.	530.	510.	360.	460.	400.	450.	450.	500.	450.	467.
PRECIP.	0.	0.	0.	19.	145.	320.	132.	153.	226.	400.	111.	86.	1592.
POT ET	135.	146.	179.	169.	166.	111.	148.	127.	137.	141.	150.	139.	1749.
DEF PREC	135.	146.	179.	150.	21.	-209.	16.	-26.	-89.	-259.	39.	53.	157.
DEP PREC	0.	0.	0.	0.	99.	246.	88.	105.	167.	313.	70.	49.	
MAI	0.00	0.00	0.00	0.00	0.59	2.22	0.59	0.83	1.22	2.22	0.47	0.35	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

MANAGUA		LAT 12 9 LON 86 17 40. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	27.2	28.6	29.3	29.4	27.2	26.9	27.2	26.9	26.5	26.3	26.1	27.3
PCT SUN	63.	64.	66.	58.	44.	27.	42.	32.	40.	44.	66.	64.	51.
MEAN RAD.	450.	490.	540.	525.	460.	360.	450.	390.	430.	420.	470.	440.	452.
PRECIP.	3.	1.	3.	11.	147.	211.	136.	110.	216.	292.	44.	10.	1184.
POT ET	143.	144.	181.	173.	157.	113.	145.	127.	134.	134.	144.	139.	1733.
DEF PREC	140.	143.	178.	162.	10.	-98.	9.	17.	-82.	-158.	100.	129.	549.
DEP PREC	0.	0.	0.	0.	101.	154.	91.	69.	158.	222.	14.	0.	
MAI	0.00	0.00	0.00	0.00	0.64	1.36	0.63	0.55	1.18	1.66	0.10	0.00	

MATAGALPA		LAT 12 53 LON 85 57 740. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	24.4	25.5	26.1	25.5	24.4	25.0	24.4	23.9	23.9	23.3	23.3	24.5
PCT SUN	62.	65.	64.	57.	46.	26.	42.	33.	42.	44.	67.	66.	51.
MEAN RAD.	440.	490.	530.	520.	470.	350.	450.	400.	440.	420.	470.	440.	452.
PRECIP.	31.	13.	13.	18.	136.	250.	182.	155.	244.	229.	68.	21.	1360.
POT ET	132.	134.	165.	159.	147.	103.	138.	121.	127.	126.	134.	130.	1616.
DEF PREC	101.	121.	152.	141.	11.	-147.	-44.	-34.	-117.	-103.	66.	109.	256.
DEP PREC	3.	0.	0.	0.	91.	187.	130.	107.	182.	169.	34.	0.	
MAI	0.02	0.00	0.00	0.00	0.62	1.82	0.94	0.88	1.43	1.35	0.25	0.00	

MERCEDES (LAS)		LAT 12 8 LON 86 10 56. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.8	28.0	28.9	29.0	26.9	26.5	26.7	26.6	26.2	25.9	25.7	26.9
PCT SUN	63.	64.	66.	58.	44.	27.	42.	32.	40.	44.	66.	64.	51.
MEAN RAD.	450.	490.	540.	525.	460.	360.	450.	390.	430.	420.	470.	440.	452.
PRECIP.	5.	2.	3.	5.	93.	260.	134.	141.	191.	228.	56.	10.	1128.
POT ET	142.	142.	178.	171.	156.	112.	144.	125.	133.	133.	143.	138.	1717.
DEF PREC	137.	140.	175.	166.	63.	-148.	9.	-16.	-58.	-95.	87.	128.	588.
DEP PREC	0.	0.	0.	0.	55.	195.	90.	95.	137.	169.	24.	0.	
MAI	0.00	0.00	0.00	0.00	0.35	1.74	0.62	0.76	1.03	1.27	0.17	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

MUHAN		LAT 12 8 LON 84 58 310. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.7	26.8	27.4	26.8	25.7	26.3	25.7	25.2	25.2	24.6	24.6	25.8
PCT SUN	63.	64.	66.	57.	44.	26.	40.	33.	42.	44.	63.	61.	51.
MEAN RAD.	450.	490.	540.	520.	460.	350.	460.	400.	440.	420.	460.	430.	452.
PRECIP.	61.	53.	21.	27.	168.	316.	290.	291.	239.	268.	222.	107.	2063.
POT ET	139.	139.	174.	164.	146.	106.	146.	125.	131.	130.	136.	131.	1668.
DEF PREC	78.	86.	152.	137.	-20.	-210.	-144.	-166.	-108.	-138.	-86.	24.	-395.
DEP PREC	28.	22.	0.	0.	118.	242.	221.	222.	178.	202.	163.	67.	
MAI	0.20	0.16	0.00	0.00	0.80	2.28	1.51	1.77	1.35	1.56	1.20	0.51	

PANALOYA		LAT 12 4 LON 85 56 329. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.7	26.8	27.3	26.8	25.7	26.2	25.7	25.1	25.1	24.5	24.5	25.7
PCT SUN	63.	67.	69.	57.	50.	26.	43.	33.	42.	48.	68.	64.	52.
MEAN RAD.	450.	500.	550.	520.	490.	350.	450.	400.	440.	440.	480.	440.	459.
PRECIP.	9.	1.	3.	6.	112.	186.	126.	143.	219.	233.	48.	23.	1109.
POT ET	139.	141.	176.	164.	157.	106.	143.	125.	131.	136.	141.	134.	1694.
DEF PREC	130.	140.	173.	158.	45.	-80.	17.	-18.	-88.	-97.	93.	111.	585.
DEP PREC	0.	0.	0.	0.	71.	133.	83.	97.	161.	173.	17.	0.	
MAI	0.00	0.00	0.00	0.00	0.45	1.26	0.58	0.78	1.23	1.27	0.12	0.00	

PILARES (LOS)		LAT 10 50 LON 83 58 40. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	58.	67.	68.	59.	47.	25.	45.	33.	42.	47.	63.	59.	51.
MEAN RAD.	440.	510.	550.	530.	470.	340.	460.	400.	440.	440.	470.	430.	457.
PRECIP.	237.	143.	63.	89.	247.	436.	429.	373.	335.	264.	271.	327.	3214.
POT ET	139.	147.	180.	170.	154.	105.	149.	128.	134.	139.	142.	134.	1720.
DEF PREC	-98.	4.	117.	81.	-93.	-331.	-280.	-245.	-201.	-125.	-129.	-193.	-1493.
DEP PREC	176.	97.	30.	52.	184.	343.	337.	290.	258.	199.	205.	252.	
MAI	1.27	0.66	0.17	0.30	1.20	3.27	2.26	2.27	1.93	1.43	1.45	1.88	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

PUERTO CAREZAS													
LAT 14 0 LON 83 24 14. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	26.3	26.2	27.8	27.3	27.6	27.5	27.1	27.0	26.3	25.6	25.7	26.6
PCT SUN	61.	64.	68.	52.	43.	42.	42.	45.	44.	41.	55.	57.	51.
MEAN RAD.	430.	480.	540.	500.	460.	450.	450.	470.	450.	400.	420.	400.	454.
PRECIP.	156.	90.	63.	39.	173.	413.	306.	336.	271.	303.	237.	170.	2557.
POT ET	132.	138.	171.	159.	150.	143.	147.	152.	140.	127.	127.	125.	1711.
DEF PREC	-24.	48.	108.	120.	-23.	-270.	-159.	-184.	-131.	-176.	-110.	-45.	-846.
DEP PREC	108.	53.	30.	10.	122.	324.	234.	259.	205.	232.	176.	120.	
MAI	0.82	0.38	0.17	0.06	0.82	2.27	1.59	1.70	1.46	1.82	1.39	0.96	

REINA (LA)													
LAT 13 4 LON 85 47 900. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	23.9	25.0	25.6	25.0	23.9	24.5	23.9	23.4	23.4	22.8	22.8	24.0
PCT SUN	62.	65.	69.	52.	42.	30.	35.	33.	42.	40.	59.	57.	49.
MEAN RAD.	440.	490.	550.	500.	450.	380.	410.	400.	440.	400.	440.	410.	443.
PRECIP.	43.	25.	31.	20.	199.	242.	196.	174.	204.	253.	94.	37.	1518.
POT ET	130.	133.	169.	151.	139.	110.	125.	120.	126.	118.	124.	119.	1564.
DEF PREC	87.	108.	138.	131.	-60.	-132.	-72.	-54.	-78.	-135.	30.	82.	46.
DEP PREC	13.	0.	3.	0.	144.	180.	142.	123.	148.	190.	56.	8.	
MAI	0.10	0.00	0.02	0.00	1.04	1.64	1.14	1.03	1.18	1.60	0.45	0.07	

ROBLES (LOS)													
LAT 13 8 LON 86 2 900. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.9	17.5	18.3	19.0	20.0	19.7	19.4	19.8	20.0	19.8	18.5	17.8	18.9
PCT SUN	63.	65.	70.	52.	42.	30.	35.	33.	42.	41.	59.	58.	49.
MEAN RAD.	440.	490.	550.	500.	450.	380.	410.	400.	440.	400.	440.	410.	443.
PRECIP.	46.	29.	11.	20.	128.	185.	198.	157.	180.	168.	67.	48.	1237.
POT ET	109.	112.	142.	127.	122.	99.	109.	107.	115.	107.	111.	104.	1364.
DEF PREC	63.	83.	131.	107.	-6.	-86.	-89.	-50.	-65.	-60.	43.	56.	127.
DEP PREC	16.	1.	0.	0.	85.	132.	143.	109.	128.	118.	33.	17.	
MAI	0.14	0.01	0.00	0.00	0.69	1.34	1.32	1.01	1.11	1.10	0.30	0.17	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

SAN ANTONJO		LAT 12 35 LON 87 5 35. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.4	25.4	26.6
PCT SUN	59.	70.	69.	59.	54.	27.	44.	33.	44.	51.	75.	68.	54.
MEAN RAD.	430.	510.	550.	530.	510.	360.	460.	400.	450.	450.	500.	450.	467.
PRECIP.	1.	1.	3.	24.	247.	339.	194.	265.	406.	513.	79.	7.	2079.
POT ET	136.	147.	180.	170.	167.	111.	149.	128.	137.	142.	151.	140.	1759.
DEF PREC	135.	146.	177.	146.	-80.	-228.	-45.	-137.	-269.	-371.	72.	133.	-320.
DEP PREC	0.	0.	0.	0.	184.	262.	140.	200.	318.	408.	43.	0.	
MAI	0.00	0.00	0.00	0.00	1.10	2.35	0.94	1.56	2.32	2.87	0.29	0.00	

SAN CARLOS		LAT 11 7 LON 84 47 39. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	61.	65.	68.	57.	51.	28.	43.	33.	42.	47.	67.	62.	52.
MEAN RAD.	450.	500.	550.	520.	490.	360.	450.	400.	440.	440.	480.	440.	460.
PRECIP.	78.	33.	16.	19.	161.	282.	277.	250.	221.	231.	163.	126.	1857.
POT ET	142.	144.	180.	167.	161.	111.	146.	128.	134.	139.	145.	137.	1733.
DEF PREC	64.	111.	164.	148.	-0.	-171.	-131.	-122.	-87.	-92.	-18.	11.	-124.
DEP PREC	43.	5.	0.	0.	112.	214.	210.	187.	163.	171.	114.	83.	
MAI	0.30	0.03	0.00	0.00	0.70	1.92	1.44	1.46	1.21	1.23	0.79	0.60	

SAN JORGE		LAT 11 27 LON 85 48 40. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	62.	63.	66.	55.	48.	26.	43.	34.	42.	48.	66.	63.	51.
MEAN RAD.	450.	490.	540.	510.	480.	350.	450.	405.	440.	440.	475.	440.	456.
PRECIP.	10.	5.	1.	2.	134.	263.	146.	136.	238.	342.	68.	20.	1365.
POT ET	142.	141.	177.	164.	157.	108.	146.	129.	134.	139.	143.	137.	1717.
DEF PREC	132.	136.	176.	162.	23.	-155.	-0.	-7.	-104.	-203.	75.	117.	352.
DEP PREC	0.	0.	0.	0.	90.	198.	100.	91.	177.	264.	34.	0.	
MAI	0.00	0.00	0.00	0.00	0.57	1.83	0.68	0.70	1.32	1.90	0.24	0.00	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

SAN MARCOS		LAT 11 50 LON 86 12 570. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	24.9	26.0	26.6	26.0	24.9	25.5	24.9	24.4	24.4	23.8	23.8	25.0
PCT SUN	63.	64.	66.	54.	48.	26.	43.	34.	42.	48.	67.	63.	51.
MEAN RAD.	450.	490.	540.	510.	480.	350.	450.	405.	440.	440.	475.	440.	456.
PRECIP.	17.	6.	8.	9.	221.	320.	162.	185.	322.	434.	79.	39.	1802.
POT ET	136.	136.	170.	158.	151.	104.	140.	124.	129.	133.	137.	132.	1652.
DEF PREC	119.	130.	163.	149.	-69.	-216.	-22.	-61.	-193.	-301.	58.	92.	-150.
DEP PREC	0.	0.	0.	0.	163.	246.	113.	132.	248.	342.	43.	10.	
MAI	0.00	0.00	0.00	0.00	1.07	2.36	0.81	1.06	1.92	2.56	0.32	0.07	

SAN MIGUELITO		LAT 11 23 LON 84 54 34. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	62.	63.	66.	57.	44.	26.	45.	33.	42.	43.	62.	60.	50.
MEAN RAD.	450.	490.	540.	520.	460.	350.	460.	400.	440.	420.	460.	430.	452.
PRECIP.	73.	31.	16.	19.	169.	419.	427.	376.	379.	357.	156.	108.	2530.
POT ET	142.	141.	177.	167.	151.	108.	149.	128.	134.	132.	139.	134.	1702.
DEF PREC	69.	110.	161.	148.	-18.	-311.	-278.	-248.	-245.	-225.	-17.	26.	-827.
DEP PREC	38.	3.	0.	0.	119.	329.	336.	293.	295.	277.	108.	66.	
MAI	0.27	0.02	0.00	0.00	0.79	3.04	2.25	2.29	2.20	2.09	0.78	0.51	

SAN UBALDO		LAT 11 50 LON 85 20 40. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	63.	64.	66.	57.	44.	26.	45.	33.	42.	44.	62.	61.	50.
MEAN RAD.	450.	490.	540.	520.	460.	350.	460.	400.	440.	420.	460.	430.	452.
PRECIP.	18.	4.	2.	13.	154.	233.	190.	191.	282.	268.	91.	34.	1480.
POT ET	142.	141.	177.	167.	151.	108.	149.	128.	134.	132.	139.	134.	1702.
DEF PREC	124.	137.	175.	154.	-3.	-125.	-41.	-63.	-148.	-136.	48.	100.	222.
DEP PREC	0.	0.	0.	0.	106.	173.	137.	137.	214.	202.	53.	6.	
MAI	0.00	0.00	0.00	0.00	0.70	1.60	0.92	1.08	1.59	1.53	0.39	0.04	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

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SEBACO

LAT 12 51 LON 86 6 480. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	22.9	23.9	24.7	24.9	23.3	23.1	23.7	23.9	23.3	22.6	22.3	23.4
PCT SUN	63.	62.	67.	57.	46.	27.	40.	36.	41.	40.	64.	60.	50.
MEAN RAD.	445.	480.	540.	520.	470.	360.	440.	420.	435.	400.	460.	420.	449.
PRECIP.	3.	5.	5.	10.	152.	194.	107.	72.	177.	216.	29.	2.	972.
POT ET	128.	127.	162.	154.	144.	103.	129.	125.	126.	118.	129.	121.	1565.
DEF PREC	125.	121.	157.	144.	-8.	-91.	22.	53.	-51.	-98.	100.	119.	593.
DEP PREC	0.	0.	0.	0.	105.	140.	67.	37.	126.	158.	1.	0.	
MAI	0.00	0.00	0.00	0.00	0.73	1.36	0.52	0.30	1.00	1.34	0.01	0.00	

SIJUNA

LAT 13 40 LON 84 35 153. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	26.2	27.3	27.9	27.3	26.2	26.8	26.2	25.6	25.6	25.1	25.1	26.2
PCT SUN	65.	64.	67.	57.	45.	27.	40.	36.	41.	45.	69.	65.	52.
MEAN RAD.	445.	480.	540.	520.	470.	360.	440.	420.	430.	420.	470.	430.	452.
PRECIP.	73.	61.	26.	35.	210.	364.	273.	234.	282.	241.	120.	87.	2005.
POT ET	139.	137.	176.	166.	153.	110.	141.	133.	130.	131.	140.	133.	1690.
DEF PREC	66.	76.	150.	130.	-57.	-254.	-131.	-101.	-152.	-109.	20.	46.	-315.
DEP PREC	38.	28.	0.	7.	153.	283.	206.	174.	214.	179.	78.	50.	
MAI	0.27	0.21	0.00	0.04	1.00	2.56	1.46	1.31	1.64	1.36	0.55	0.38	

TIPITAPA

LAT 12 12 LON 86 6 60. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.4	25.4	26.5
PCT SUN	64.	64.	66.	58.	44.	27.	42.	32.	40.	44.	66.	64.	51.
MEAN RAD.	450.	490.	540.	525.	460.	360.	450.	390.	430.	420.	470.	440.	452.
PRECIP.	4.	1.	4.	4.	118.	186.	127.	108.	200.	230.	59.	13.	1054.
POT ET	142.	141.	177.	168.	151.	111.	145.	124.	131.	132.	141.	137.	1701.
DEF PREC	138.	140.	173.	164.	32.	-75.	18.	16.	-69.	-98.	82.	124.	646.
DEP PREC	0.	0.	0.	0.	76.	133.	84.	68.	145.	170.	26.	0.	
MAI	0.00	0.00	0.00	0.00	0.51	1.20	0.58	0.54	1.11	1.29	0.19	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

AGUA CLARA													
LAT 9 22 LON 79 43 458. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.3	26.4	26.9	26.4	25.3	25.8	25.3	24.7	24.7	24.2	24.2	25.3
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	42.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	89.	40.	49.	126.	402.	329.	327.	219.	315.	499.	568.	398.	3362.
POT ET	131.	126.	169.	156.	137.	111.	126.	124.	130.	122.	117.	136.	1583.
DEF PREC	43.	86.	119.	30.	-265.	-218.	-202.	-95.	-185.	-377.	-451.	-263.	-1778.
DEF PREC	51.	10.	18.	83.	315.	254.	252.	161.	242.	396.	454.	312.	
MAI	0.39	0.08	0.11	0.53	2.30	2.29	2.01	1.30	1.86	3.24	3.89	2.30	

AGUA SUCIA													
LAT 9 15 LON 79 43 305. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.7	26.8	27.4	26.8	25.7	26.3	25.7	25.2	25.2	24.6	24.6	25.8
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	42.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	52.	29.	19.	89.	319.	279.	285.	255.	282.	380.	391.	237.	2617.
POT ET	133.	127.	170.	158.	138.	112.	127.	125.	132.	124.	118.	137.	1601.
DEF PREC	80.	98.	151.	68.	-181.	-166.	-159.	-129.	-150.	-256.	-273.	-100.	-1016.
DEF PREC	21.	1.	0.	52.	245.	211.	217.	191.	214.	296.	305.	176.	
MAI	0.16	0.01	0.00	0.33	1.77	1.88	1.71	1.52	1.63	2.40	2.59	1.26	

ALANJE													
LAT 8 18 LON 82 32 40. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	45.	54.	63.	55.	42.	28.	36.	32.	43.	36.	43.	62.	45.
MEAN RAD.	400.	470.	535.	510.	440.	350.	405.	390.	450.	390.	400.	460.	433.
PRECIP.	19.	75.	17.	142.	226.	267.	264.	328.	279.	389.	282.	133.	2421.
POT ET	126.	136.	175.	164.	144.	108.	131.	125.	137.	123.	120.	143.	1633.
DEF PREC	107.	61.	158.	22.	-82.	-159.	-133.	-203.	-142.	-266.	-161.	10.	-788.
DEF PREC	0.	40.	0.	96.	167.	201.	199.	252.	211.	304.	214.	89.	
MAI	0.00	0.29	0.00	0.59	1.16	1.86	1.51	2.03	1.54	2.47	1.77	0.62	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR NICARAGUA

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SEBACO

LAT 12 51 LON 86 6 480. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.2	22.9	23.9	24.7	24.9	23.3	23.1	23.7	23.9	23.3	22.6	22.3	23.4
PCT SUN	63.	62.	67.	57.	46.	27.	40.	36.	41.	40.	64.	60.	50.
MEAN RAD.	445.	480.	540.	520.	470.	360.	440.	420.	435.	400.	460.	420.	449.
PRECIP.	3.	5.	5.	10.	152.	194.	107.	72.	177.	216.	29.	2.	972.
POT ET	128.	127.	162.	154.	144.	103.	129.	125.	126.	118.	129.	121.	1565.
DEF PREC	125.	121.	157.	144.	-8.	-91.	22.	53.	-51.	-98.	100.	119.	593.
DEP PREC	0.	0.	0.	0.	105.	140.	67.	37.	126.	158.	1.	0.	
MAI	0.00	0.00	0.00	0.00	0.73	1.36	0.52	0.30	1.00	1.34	0.01	0.00	

SIUNA

LAT 13 40 LON 84 35 153. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	26.2	27.3	27.9	27.3	26.2	26.8	26.2	25.6	25.6	25.1	25.1	26.2
PCT SUN	65.	64.	67.	57.	45.	27.	40.	36.	41.	45.	69.	65.	52.
MEAN RAD.	445.	480.	540.	520.	470.	360.	440.	420.	430.	420.	470.	430.	452.
PRECIP.	73.	61.	26.	35.	210.	364.	273.	234.	282.	241.	120.	87.	2005.
POT ET	139.	137.	176.	166.	153.	110.	141.	133.	130.	131.	140.	133.	1690.
DEF PREC	66.	76.	150.	130.	-57.	-254.	-131.	-101.	-152.	-109.	20.	46.	-315.
DEP PREC	38.	28.	0.	7.	153.	283.	206.	174.	214.	179.	78.	50.	
MAI	0.27	0.21	0.00	0.04	1.00	2.56	1.46	1.31	1.64	1.36	0.55	0.38	

TIPITAPA

LAT 12 12 LON 86 6 60. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.4	25.4	26.5
PCT SUN	64.	64.	66.	58.	44.	27.	42.	32.	40.	44.	66.	64.	51.
MEAN RAD.	450.	490.	540.	525.	460.	360.	450.	390.	430.	420.	470.	440.	452.
PRECIP.	4.	1.	4.	4.	118.	186.	127.	108.	200.	230.	59.	13.	1054.
POT ET	142.	141.	177.	168.	151.	111.	145.	124.	131.	132.	141.	137.	1701.
DEF PREC	138.	140.	173.	164.	32.	-75.	18.	16.	-69.	-98.	82.	124.	646.
DEP PREC	0.	0.	0.	0.	76.	133.	84.	68.	145.	170.	26.	0.	
MAI	0.00	0.00	0.00	0.00	0.51	1.20	0.58	0.54	1.11	1.29	0.19	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

AGUA CLARA		LAT 9 22 LON 79 43 458. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.3	26.4	26.9	26.4	25.3	25.8	25.3	24.7	24.7	24.2	24.2	25.3
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	42.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	89.	40.	49.	126.	402.	329.	327.	219.	315.	499.	568.	398.	3362.
POT ET	131.	126.	169.	156.	137.	111.	126.	124.	130.	122.	117.	136.	1583.
DEF PREC	43.	86.	119.	30.	-265.	-218.	-202.	-95.	-185.	-377.	-451.	-263.	-1778.
DEP PREC	51.	10.	18.	83.	315.	254.	252.	161.	242.	396.	454.	312.	
MAI	0.39	0.08	0.11	0.53	2.30	2.29	2.01	1.30	1.86	3.24	3.89	2.30	

AGUA SUCIA		LAT 9 15 LON 79 43 305. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.7	26.8	27.4	26.8	25.7	26.3	25.7	25.2	25.2	24.6	24.6	25.8
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	42.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	52.	29.	19.	89.	319.	279.	285.	255.	282.	380.	391.	237.	2617.
POT ET	133.	127.	170.	158.	138.	112.	127.	125.	132.	124.	118.	137.	1601.
DEF PREC	80.	98.	151.	68.	-181.	-166.	-159.	-129.	-150.	-256.	-273.	-100.	-1016.
DEP PREC	21.	1.	0.	52.	245.	211.	217.	191.	214.	296.	305.	176.	
MAI	0.16	0.01	0.00	0.33	1.77	1.88	1.71	1.52	1.63	2.40	2.59	1.28	

ALANJE		LAT 8 18 LON 82 32 40. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	45.	54.	63.	55.	42.	28.	36.	32.	43.	36.	43.	62.	45.
MEAN RAD.	400.	470.	535.	510.	440.	350.	405.	390.	450.	390.	400.	460.	433.
PRECIP.	19.	75.	17.	142.	226.	267.	264.	328.	279.	389.	282.	133.	2421.
POT ET	126.	136.	175.	164.	144.	108.	131.	125.	137.	123.	120.	143.	1633.
DEF PREC	107.	61.	158.	22.	-82.	-159.	-133.	-203.	-142.	-266.	-161.	10.	-788.
DEP PREC	0.	40.	0.	96.	167.	201.	199.	252.	211.	304.	214.	89.	
MAI	0.00	0.29	0.00	0.59	1.16	1.86	1.51	2.03	1.54	2.47	1.77	0.62	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

ALBROOK AFB													
LAT 8 59 LON 79 34 13. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	27.6	27.9	28.6	27.2	26.8	27.1	27.4	27.2	26.7	26.6	27.0	27.2
PCT SUN	46.	53.	60.	55.	38.	29.	37.	34.	42.	40.	45.	65.	45.
MEAN RAD.	400.	460.	520.	510.	420.	360.	410.	400.	440.	410.	405.	465.	433.
PRECIP.	45.	14.	17.	48.	223.	199.	203.	204.	201.	296.	263.	178.	1892.
POT ET	126.	136.	171.	165.	136.	112.	132.	131.	138.	131.	125.	150.	1655.
DEF PREC	81.	122.	155.	117.	-87.	-87.	-71.	-74.	-63.	-165.	-137.	-28.	-237.
DEF PREC	15.	0.	0.	17.	165.	144.	148.	149.	146.	226.	198.	127.	
MAI	0.12	0.00	0.00	0.10	1.21	1.29	1.12	1.14	1.06	1.72	1.58	0.84	

BALBOA DOCKS													
LAT 8 58 LON 79 34 9. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	46.	53.	60.	55.	38.	29.	37.	34.	42.	40.	45.	65.	45.
MEAN RAD.	400.	460.	520.	510.	420.	360.	410.	400.	440.	410.	405.	465.	433.
PRECIP.	29.	15.	16.	76.	203.	200.	185.	194.	193.	263.	255.	135.	1764.
POT ET	126.	133.	171.	164.	138.	111.	133.	128.	135.	130.	122.	145.	1636.
DEF PREC	97.	118.	155.	88.	-65.	-89.	-52.	-66.	-58.	-133.	-133.	10.	-127.
DEF PREC	2.	0.	0.	41.	148.	145.	132.	140.	139.	198.	191.	91.	
MAI	0.01	0.00	0.00	0.25	1.07	1.30	0.99	1.09	1.03	1.53	1.56	0.62	

BALBOA HEIGHTS													
LAT 8 58 LON 79 33 31. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.7	26.9	27.6	27.9	27.2	26.7	26.9	26.8	26.6	26.2	26.2	26.6	26.9
PCT SUN	46.	53.	60.	55.	38.	29.	37.	34.	42.	40.	45.	65.	45.
MEAN RAD.	400.	460.	520.	510.	420.	360.	410.	400.	440.	410.	405.	465.	433.
PRECIP.	39.	17.	15.	69.	204.	206.	188.	196.	199.	275.	263.	126.	1798.
POT ET	128.	134.	170.	163.	136.	112.	132.	128.	136.	130.	124.	149.	1642.
DEF PREC	89.	117.	155.	94.	-68.	-94.	-56.	-68.	-63.	-145.	-139.	22.	-156.
DEF PREC	10.	0.	0.	35.	149.	150.	135.	142.	144.	208.	198.	83.	
MAI	0.08	0.00	0.00	0.21	1.09	1.34	1.02	1.11	1.06	1.60	1.59	0.56	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

HAMBITO													
LAT 8 50 LON 82 37 1700. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.9	21.5	22.6	23.1	22.6	21.5	22.0	21.5	20.9	20.9	20.4	20.4	21.5
PCT SUN	48.	52.	67.	51.	44.	27.	35.	33.	43.	34.	41.	66.	45.
MEAN RAD.	410.	455.	550.	490.	450.	350.	400.	395.	450.	380.	390.	470.	433.
PRECIP.	22.	20.	24.	84.	247.	429.	209.	227.	296.	457.	239.	76.	2330.
POT ET	114.	116.	159.	139.	130.	95.	114.	111.	121.	105.	103.	128.	1437.
DEF PREC	92.	96.	135.	55.	-117.	-334.	-95.	-116.	-175.	-352.	-136.	53.	-893.
DEP PREC	0.	0.	0.	48.	184.	337.	153.	168.	226.	361.	178.	41.	
MAI	0.00	0.00	0.00	0.34	1.01	3.54	1.34	1.51	1.87	3.42	1.72	0.32	

BARRIO COLORADO													
LAT 9 10 LON 79 50 64. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.4	25.4	26.5
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	40.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	430.	400.	400.	450.	433.
PRECIP.	58.	33.	30.	87.	277.	277.	294.	317.	263.	352.	461.	269.	2718.
POT ET	135.	130.	173.	160.	141.	114.	129.	127.	131.	126.	120.	140.	1627.
DEF PREC	77.	97.	144.	73.	-136.	-163.	-165.	-190.	-132.	-226.	-341.	-130.	-1091.
DEP PREC	26.	4.	2.	50.	209.	210.	224.	243.	198.	273.	364.	203.	
MAI	0.19	0.03	0.01	0.31	1.49	1.84	1.74	1.91	1.51	2.17	3.03	1.45	

BOCA DE CUPE													
LAT 8 3 LON 77 35 50. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.6	28.2	27.6	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	54.	52.	66.	54.	44.	28.	34.	34.	41.	35.	43.	55.	45.
MEAN RAD.	440.	460.	550.	505.	450.	350.	390.	400.	440.	390.	400.	435.	434.
PRECIP.	42.	53.	54.	158.	328.	344.	246.	222.	202.	196.	170.	81.	2096.
POT ET	139.	133.	180.	162.	147.	108.	126.	128.	134.	123.	120.	135.	1635.
DEF PREC	97.	79.	126.	4.	-180.	-236.	-120.	-94.	-68.	-73.	-50.	54.	-461.
DEP PREC	12.	22.	22.	110.	252.	266.	184.	163.	147.	142.	120.	45.	
MAI	0.09	0.16	0.12	0.68	1.71	2.46	1.46	1.28	1.09	1.15	0.99	0.33	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

BOCA DE TOABRE													
	LAT 8 57 LON 80 32 170. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	26.1	27.3	27.8	27.3	26.1	26.7	26.1	25.6	25.6	25.0	25.0	26.2
PCT SUN	55.	51.	60.	50.	42.	29.	33.	32.	41.	34.	44.	63.	44.
MEAN RAD.	440.	450.	520.	485.	440.	360.	390.	390.	435.	380.	400.	460.	429.
PRECIP.	266.	144.	125.	390.	396.	318.	351.	399.	257.	346.	411.	656.	4079.
POT ET	137.	129.	169.	154.	143.	110.	125.	123.	132.	119.	119.	142.	1602.
DEF PREC	-149.	-15.	44.	-235.	-253.	-208.	-226.	-276.	-126.	-227.	-292.	-514.	-2477.
DEF PREC	217.	98.	82.	305.	310.	244.	272.	312.	193.	268.	322.	528.	
MAI	1.58	0.76	0.49	1.97	2.17	2.21	2.18	2.53	1.47	2.25	2.70	3.73	

CAMARON													
	LAT 8 4 LON 81 39 20. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.0	26.0	25.5	25.5	26.7
PCT SUN	54.	52.	66.	54.	44.	28.	34.	34.	41.	35.	43.	55.	45.
MEAN RAD.	440.	460.	550.	505.	450.	350.	390.	400.	440.	390.	400.	435.	434.
PRECIP.	14.	42.	33.	164.	270.	482.	403.	474.	534.	812.	595.	122.	3945.
POT ET	139.	133.	181.	162.	148.	108.	126.	128.	134.	123.	121.	136.	1639.
DEF PREC	125.	91.	148.	-2.	-122.	-374.	-277.	-346.	-399.	-689.	-474.	14.	-2306.
DEF PREC	0.	12.	5.	115.	204.	382.	316.	375.	425.	659.	477.	79.	
MAI	0.00	0.09	0.03	0.71	1.38	3.53	2.50	2.93	3.17	5.35	3.95	0.59	

CANDELARIA													
	LAT 9 23 LON 79 32 101. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.4	27.5	28.0	27.5	26.4	26.9	26.4	25.8	25.8	25.2	25.2	26.4
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	42.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	109.	63.	42.	143.	355.	351.	350.	374.	320.	350.	430.	328.	3214.
POT ET	135.	129.	173.	160.	140.	114.	129.	127.	134.	126.	120.	139.	1626.
DEF PREC	26.	66.	131.	17.	-215.	-237.	-221.	-247.	-187.	-224.	-310.	-189.	-1589.
DEF PREC	68.	30.	12.	97.	275.	272.	271.	291.	246.	271.	338.	253.	
MAI	0.51	0.23	0.07	0.61	1.96	2.39	2.10	2.29	1.84	2.16	2.82	1.82	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

CANO	LAT 9 4 LON 79 49 34. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	53.	51.	60.	55.	44.	32.	35.	36.	41.	39.	45.	58.	46.
MEAN RAD.	430.	450.	520.	510.	450.	380.	400.	410.	435.	405.	405.	440.	436.
PRECIP.	49.	26.	21.	77.	260.	239.	242.	253.	244.	343.	370.	200.	2324.
POT ET	136.	130.	171.	164.	148.	117.	130.	131.	133.	128.	122.	137.	1645.
DEF PREC	87.	104.	150.	87.	-113.	-121.	-113.	-122.	-111.	-216.	-248.	-63.	-679.
DEF PREC	14.	0.	0.	42.	195.	178.	181.	190.	182.	265.	288.	145.	
MAI	0.13	0.00	0.00	0.25	1.32	1.51	1.39	1.45	1.37	2.08	2.36	1.06	

CANELOS (LOS)	LAT 8 7 LON 80 41 25. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	42.	52.	59.	53.	39.	28.	36.	34.	41.	37.	43.	58.	44.
MEAN RAD.	390.	460.	520.	500.	420.	350.	405.	400.	440.	400.	400.	445.	428.
PRECIP.	1.	5.	23.	75.	117.	138.	159.	268.	262.	368.	361.	37.	1814.
POT ET	123.	133.	171.	161.	138.	108.	131.	128.	134.	126.	121.	139.	1612.
DEF PREC	122.	128.	148.	86.	21.	-30.	-28.	-140.	-127.	-242.	-240.	102.	-202.
DEF PREC	0.	0.	0.	40.	75.	93.	111.	202.	197.	286.	280.	8.	
MAI	0.00	0.00	0.00	0.25	0.55	0.86	0.84	1.58	1.47	2.27	2.32	0.06	

CIENTO	LAT 9 18 LON 79 44 38. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.4	25.4	26.6
PCT SUN	54.	53.	59.	53.	39.	30.	35.	32.	43.	36.	44.	57.	45.
MEAN RAD.	435.	460.	515.	500.	425.	370.	400.	390.	450.	390.	400.	435.	431.
PRECIP.	89.	53.	44.	109.	363.	575.	348.	370.	332.	490.	576.	365.	3714.
POT ET	137.	133.	169.	161.	139.	114.	130.	125.	137.	123.	121.	135.	1623.
DEF PREC	48.	80.	124.	52.	-224.	-460.	-219.	-245.	-194.	-368.	-456.	-230.	-2091.
DEF PREC	52.	21.	14.	68.	282.	460.	270.	287.	256.	389.	461.	284.	
MAI	0.38	0.16	0.08	0.43	2.02	4.02	2.08	2.31	1.86	3.16	3.82	2.10	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

CIRI GRANDE

LAT 8 39 LON 80 5 1122. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	23.2	24.3	24.9	24.3	23.2	23.8	23.2	22.7	22.7	22.1	22.1	23.3
PCT SUN	47.	50.	61.	54.	40.	27.	34.	34.	40.	38.	43.	55.	44.
MEAN RAD.	410.	450.	525.	505.	430.	350.	390.	400.	430.	400.	400.	430.	427.
PRECIP.	95.	46.	33.	100.	365.	374.	321.	363.	399.	475.	353.	224.	3149.
POT ET	119.	120.	159.	150.	130.	100.	117.	118.	121.	116.	111.	123.	1483.
DEF PREC	24.	73.	126.	50.	-235.	-275.	-205.	-246.	-278.	-359.	-242.	-101.	-1665.
DEF PREC	57.	16.	5.	61.	284.	291.	247.	282.	312.	376.	273.	165.	
MAI	0.48	0.13	0.03	0.40	2.18	2.92	2.12	2.40	2.58	3.24	2.47	1.34	

COCOLI

LAT 8 59 LON 79 37 21. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	46.	53.	60.	55.	38.	29.	37.	34.	42.	40.	45.	65.	45.
MEAN RAD.	400.	460.	520.	510.	420.	360.	410.	400.	440.	410.	405.	465.	433.
PRECIP.	38.	9.	10.	62.	257.	257.	237.	248.	241.	309.	301.	156.	2125.
POT ET	126.	133.	171.	164.	138.	111.	133.	128.	134.	129.	122.	145.	1635.
DEF PREC	88.	124.	161.	102.	-119.	-145.	-104.	-120.	-106.	-179.	-179.	-11.	-490.
DEF PREC	9.	0.	0.	29.	193.	192.	176.	185.	179.	236.	230.	108.	
MAI	0.07	0.00	0.00	0.18	1.40	1.73	1.33	1.45	1.33	1.83	1.88	0.75	

COCO SOLO

LAT 9 22 LON 79 53 4. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	42.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	78.	35.	36.	104.	316.	353.	396.	414.	298.	432.	637.	341.	3440.
POT ET	136.	130.	174.	161.	141.	115.	130.	128.	135.	126.	121.	140.	1637.
DEF PREC	58.	95.	138.	57.	-175.	-238.	-266.	-286.	-164.	-306.	-516.	-200.	-1803.
DEF PREC	42.	6.	7.	64.	243.	274.	310.	325.	228.	340.	512.	263.	
MAI	0.31	0.05	0.04	0.40	1.72	2.39	2.39	2.54	1.69	2.69	4.24	1.87	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

CRISTOBAL		LAT 9 21		LON 79 55		12. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	26.8	27.1	27.4	27.3	27.1	27.0	26.9	27.0	26.8	26.4	26.7	27.0
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	42.	38.	44.	61.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	84.	39.	38.	103.	317.	332.	393.	391.	318.	318.	575.	308.	3215.
POT ET	138.	131.	172.	158.	140.	116.	129.	129.	137.	129.	123.	144.	1645.
DEF PREC	54.	91.	134.	55.	-177.	-217.	-264.	-262.	-180.	-189.	-452.	-164.	-1570.
DEP PREC	48.	10.	9.	63.	243.	256.	307.	306.	244.	244.	460.	236.	
MAI	0.34	0.08	0.05	0.40	1.74	2.21	2.38	2.37	1.77	1.90	3.73	1.63	

CHANGUINDLA		LAT 9 29		LON 82 29		5. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	46.	61.	65.	55.	42.	27.	35.	35.	43.	38.	47.	56.	46.
MEAN RAD.	400.	490.	540.	510.	440.	350.	400.	410.	450.	400.	410.	430.	436.
PRECIP.	239.	158.	145.	183.	215.	200.	250.	235.	128.	140.	257.	341.	2493.
POT ET	126.	142.	177.	164.	145.	108.	130.	131.	138.	126.	124.	134.	1646.
DEF PREC	-113.	-17.	32.	-19.	-71.	-92.	-120.	-104.	10.	-14.	-133.	-207.	-847.
DEP PREC	178.	110.	99.	131.	158.	145.	187.	175.	85.	95.	193.	264.	
MAI	1.41	0.78	0.56	0.80	1.09	1.34	1.44	1.33	0.61	0.75	1.56	1.97	

CHOCO		LAT 9 16		LON 79 31		122. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	26.3	27.4	28.0	27.4	26.3	26.8	26.3	25.7	25.7	25.2	25.2	26.3
PCT SUN	56.	51.	60.	50.	42.	29.	33.	32.	41.	34.	44.	64.	45.
MEAN RAD.	440.	450.	520.	485.	440.	360.	390.	390.	435.	380.	400.	460.	429.
PRECIP.	43.	21.	12.	65.	313.	307.	353.	340.	335.	385.	399.	200.	2773.
POT ET	138.	129.	170.	155.	143.	111.	125.	124.	132.	119.	120.	142.	1607.
DEF PREC	95.	108.	157.	90.	-170.	-196.	-227.	-216.	-203.	-266.	-279.	-58.	-1165.
DEP PREC	13.	0.	0.	31.	240.	235.	273.	263.	258.	300.	312.	145.	
MAI	0.10	0.00	0.00	0.20	1.67	2.12	2.18	2.12	1.96	2.52	2.61	1.02	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

CHIFIBRILLO

LAT 9 12 LON 79 37

61. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.4	25.4	26.5
PCT SUN	51.	51.	62.	49.	40.	29.	35.	35.	42.	36.	43.	61.	44.
MEAN RAD.	420.	450.	530.	480.	430.	360.	400.	405.	440.	390.	395.	450.	429.
PRECIP.	30.	17.	10.	72.	270.	296.	318.	298.	283.	375.	331.	135.	2434.
POT ET	132.	130.	174.	154.	141.	111.	129.	129.	134.	123.	119.	140.	1615.
DEF PREC	102.	113.	164.	82.	-129.	-185.	-188.	-169.	-149.	-252.	-212.	4.	-820.
DFP PREC	2.	0.	0.	37.	204.	226.	244.	227.	215.	292.	255.	91.	
MAI	0.01	0.00	0.00	0.24	1.45	2.03	1.89	1.76	1.60	2.38	2.15	0.65	

CHIGUIRI ARRIBA

LAT 8 41 LON 80 13

180. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	26.1	27.2	27.8	27.2	26.1	26.7	26.1	25.6	25.6	25.0	25.0	26.2
PCT SUN	45.	50.	61.	53.	40.	29.	37.	34.	41.	38.	43.	60.	44.
MEAN RAD.	400.	450.	525.	500.	430.	360.	410.	400.	435.	400.	400.	450.	430.
PRECIP.	89.	44.	31.	165.	295.	435.	393.	461.	334.	441.	410.	308.	3406.
POT ET	125.	129.	170.	159.	140.	110.	131.	126.	131.	125.	119.	138.	1604.
DEF PREC	36.	85.	140.	-6.	-155.	-325.	-262.	-335.	-203.	-316.	-291.	-170.	-1802.
DFP PREC	52.	14.	3.	116.	225.	342.	307.	364.	258.	347.	321.	236.	
MAI	0.41	0.11	0.02	0.73	1.61	3.11	2.34	2.88	1.96	2.78	2.70	1.70	

CHORRO (EL)

LAT 8 58 LON 79 59

43. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.6	28.2	27.6	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	46.	53.	60.	55.	38.	29.	37.	34.	42.	40.	45.	65.	45.
MEAN RAD.	400.	460.	520.	510.	420.	360.	410.	400.	440.	410.	405.	465.	433.
PRECIP.	71.	27.	30.	83.	284.	223.	215.	269.	314.	321.	374.	209.	2419.
POT ET	126.	133.	170.	164.	138.	111.	133.	128.	134.	129.	122.	145.	1632.
DEF PREC	55.	106.	140.	81.	-146.	-111.	-82.	-142.	-180.	-191.	-252.	-65.	-787.
DFP PREC	37.	0.	2.	47.	215.	164.	158.	203.	241.	246.	291.	153.	
MAI	0.29	0.00	0.01	0.29	1.56	1.47	1.19	1.59	1.79	1.91	2.39	1.06	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

DIVISA	LAT 8 8 LON 80 40 23. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	42.	52.	59.	53.	39.	28.	36.	34.	41.	37.	43.	58.	44.
MEAN RAD.	390.	460.	520.	500.	420.	350.	405.	400.	440.	400.	400.	445.	428.
PRECIP.	10.	4.	1.	34.	222.	199.	155.	173.	220.	280.	248.	72.	1617.
POT ET	123.	133.	171.	161.	138.	108.	131.	128.	134.	126.	121.	139.	1613.
DEF PREC	113.	129.	169.	126.	-84.	-90.	-24.	-45.	-86.	-153.	-128.	67.	-5.
DEP PREC	0.	0.	0.	6.	164.	144.	107.	122.	162.	212.	185.	37.	
MAI	0.00	0.00	0.00	0.04	1.19	1.33	0.82	0.95	1.20	1.66	1.54	0.27	

ESCANDALOSA	LAT 9 26 LON 79 35 459. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.3	26.4	26.9	26.4	25.3	25.8	25.3	24.7	24.7	24.2	24.2	25.3
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	47.	38.	44.	61.	46.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	470.	400.	400.	450.	436.
PRECIP.	174.	64.	75.	129.	304.	349.	381.	344.	297.	278.	524.	280.	3199.
POT ET	131.	126.	169.	156.	137.	111.	126.	124.	139.	122.	117.	136.	1592.
DEF PREC	-43.	62.	94.	27.	-167.	-238.	-255.	-220.	-158.	-156.	-407.	-144.	-1607.
DEP PREC	123.	31.	40.	85.	232.	270.	297.	266.	226.	210.	417.	212.	
MAI	0.94	0.24	0.24	0.55	1.70	2.44	2.36	2.15	1.63	1.72	3.57	1.56	

FERNANDEZ	LAT 8 56 LON 79 57 253. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.9	27.0	27.6	27.0	25.9	26.4	25.9	25.3	25.3	24.8	24.8	25.9
PCT SUN	46.	53.	60.	55.	38.	29.	37.	34.	42.	40.	45.	64.	45.
MEAN RAD.	400.	460.	520.	510.	420.	360.	410.	400.	440.	410.	405.	465.	433.
PRECIP.	69.	36.	26.	71.	271.	238.	227.	244.	248.	358.	312.	214.	2313.
POT ET	124.	131.	168.	161.	135.	110.	131.	126.	132.	127.	120.	142.	1607.
DEF PREC	55.	95.	142.	90.	-135.	-129.	-96.	-118.	-116.	-230.	-192.	-71.	-706.
DEP PREC	35.	7.	0.	37.	204.	177.	168.	182.	186.	277.	239.	156.	
MAI	0.28	0.05	0.00	0.23	1.51	1.62	1.28	1.45	1.40	2.18	1.99	1.10	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

FRIJOLES		LAT 9 11 LON 79 48 31. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	51.	51.	62.	49.	40.	29.	35.	35.	42.	36.	43.	61.	44.
MEAN RAD.	420.	450.	530.	480.	430.	360.	400.	405.	440.	390.	395.	450.	429.
PRECIP.	51.	32.	24.	85.	275.	279.	303.	302.	283.	379.	463.	221.	2697.
POT ET	132.	130.	174.	154.	141.	111.	130.	129.	134.	123.	119.	140.	1618.
DEF PREC	81.	98.	150.	69.	-134.	-168.	-173.	-172.	-149.	-256.	-343.	-81.	-1079.
DEP PREC	20.	4.	0.	48.	208.	211.	232.	230.	215.	296.	366.	163.	
MAI	0.15	0.03	0.00	0.31	1.47	1.90	1.79	1.78	1.60	2.40	3.07	1.16	

GAMROA		LAT 9 7 LON 79 42 34. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	53.	51.	60.	55.	44.	32.	35.	36.	41.	39.	45.	58.	46.
MEAN RAD.	430.	450.	520.	510.	450.	380.	400.	410.	435.	405.	405.	440.	436.
PRECIP.	37.	18.	14.	77.	264.	246.	249.	267.	249.	310.	310.	158.	2199.
POT ET	136.	130.	171.	164.	148.	117.	130.	131.	133.	128.	122.	137.	1645.
DEF PREC	99.	112.	156.	87.	-116.	-128.	-120.	-136.	-116.	-182.	-188.	-21.	-554.
DEP PREC	8.	0.	0.	42.	199.	183.	187.	201.	186.	238.	238.	110.	
MAI	0.06	0.00	0.00	0.26	1.35	1.56	1.44	1.54	1.40	1.86	1.95	0.80	

GATUN		LAT 9 16 LON 79 56 29. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.7	26.7	27.1	27.5	27.4	27.1	26.9	26.9	27.2	27.5	28.0	26.6	27.1
PCT SUN	54.	53.	59.	53.	39.	30.	35.	32.	43.	36.	44.	57.	45.
MEAN RAD.	435.	460.	515.	500.	425.	370.	400.	390.	450.	390.	400.	435.	431.
PRECIP.	84.	47.	45.	121.	328.	294.	324.	346.	284.	415.	549.	313.	3149.
POT ET	139.	133.	167.	158.	139.	116.	129.	125.	141.	127.	128.	139.	1642.
DEF PREC	56.	86.	122.	37.	-189.	-178.	-196.	-221.	-143.	-287.	-421.	-174.	-1507.
DEP PREC	47.	16.	15.	79.	252.	224.	249.	268.	216.	325.	438.	240.	
MAI	0.34	0.12	0.09	0.50	1.82	1.93	1.94	2.14	1.53	2.55	3.43	1.72	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

HARINO (EL)		LAT 8 37 LON 80 34 185. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	26.1	27.2	27.8	27.2	26.1	26.7	26.1	25.5	25.5	25.0	25.0	26.1
PCT SUN	52.	50.	62.	53.	40.	31.	35.	34.	41.	38.	43.	60.	45.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	440.	400.	400.	450.	433.
PRECIP.	80.	28.	22.	55.	171.	275.	136.	202.	243.	344.	202.	78.	1836.
POT ET	134.	128.	172.	159.	140.	113.	128.	126.	133.	125.	119.	138.	1616.
DEF PREC	54.	101.	150.	104.	-31.	-162.	-8.	-76.	-110.	-219.	-83.	60.	-220.
DEF PREC	44.	0.	0.	23.	121.	208.	91.	147.	181.	266.	147.	43.	
MAI	0.33	0.00	0.00	0.15	0.86	1.84	0.71	1.16	1.36	2.13	1.23	0.31	

HORNITO		LAT 8 44 LON 82 14 1020. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.6	24.7	25.2	24.7	23.6	24.1	23.6	23.0	23.0	22.4	22.4	23.6
PCT SUN	48.	51.	67.	51.	44.	27.	35.	33.	43.	34.	41.	65.	45.
MEAN RAD.	410.	455.	550.	490.	450.	350.	400.	395.	450.	380.	390.	470.	433.
PRECIP.	320.	207.	220.	264.	219.	400.	280.	340.	295.	385.	387.	406.	3723.
POT ET	120.	122.	168.	147.	137.	101.	120.	117.	127.	111.	109.	136.	1516.
DEF PREC	-200.	-85.	-52.	-117.	-82.	-299.	-159.	-223.	-167.	-274.	-276.	-270.	-2207.
DEF PREC	246.	151.	162.	199.	161.	313.	212.	263.	225.	300.	302.	318.	
MAI	2.05	1.24	0.96	1.36	1.17	3.11	1.76	2.24	1.76	2.70	2.77	2.34	

INDIO RIO		LAT 9 13 LON 79 32 88. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.8	25.8	25.3	25.3	26.4
PCT SUN	51.	51.	62.	49.	40.	29.	35.	35.	42.	36.	43.	61.	44.
MEAN RAD.	420.	450.	530.	480.	430.	360.	400.	405.	440.	390.	395.	450.	429.
PRECIP.	28.	17.	9.	64.	286.	332.	372.	356.	351.	391.	361.	133.	2701.
POT ET	132.	129.	173.	154.	141.	111.	129.	129.	134.	123.	119.	140.	1612.
DEF PREC	104.	112.	164.	90.	-145.	-222.	-243.	-227.	-217.	-268.	-243.	6.	-1089.
DEF PREC	1.	0.	0.	30.	217.	256.	289.	276.	272.	305.	281.	89.	
MAI	0.01	0.00	0.00	0.20	1.54	2.31	2.24	2.14	2.03	2.49	2.37	0.64	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

ISLA GRANDE		LAT 9 38 LON 79 34 73. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.6	28.1	27.6	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	59.	57.	58.	53.	38.	30.	35.	34.	44.	36.	44.	55.	45.
MEAN RAD.	450.	475.	510.	500.	420.	370.	400.	400.	450.	390.	400.	425.	433.
PRECIP.	60.	40.	23.	48.	285.	278.	290.	283.	237.	299.	457.	284.	2586.
POT ET	142.	137.	167.	160.	137.	114.	129.	127.	137.	123.	120.	132.	1625.
DEF PREC	81.	96.	144.	112.	-148.	-164.	-161.	-156.	-101.	-177.	-337.	-152.	-961.
DEP PREC	28.	11.	0.	17.	217.	211.	220.	215.	176.	229.	361.	215.	
MAI	0.20	0.08	0.00	0.11	1.58	1.85	1.71	1.69	1.29	1.86	3.01	1.63	

JEFE (EL)		LAT 9 14 LON 79 24 976. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.7	24.8	25.4	24.8	23.7	24.2	23.7	23.1	23.1	22.6	22.6	23.7
PCT SUN	51.	51.	62.	49.	40.	29.	35.	35.	42.	36.	43.	61.	44.
MEAN RAD.	420.	450.	530.	480.	430.	360.	400.	405.	440.	390.	395.	450.	429.
PRECIP.	85.	52.	30.	80.	437.	408.	373.	405.	465.	599.	392.	250.	3575.
POT ET	123.	121.	162.	144.	132.	104.	121.	121.	125.	115.	111.	130.	1509.
DEF PREC	38.	70.	132.	64.	-305.	-304.	-253.	-284.	-340.	-484.	-282.	-119.	-2067.
DEP PREC	49.	20.	2.	44.	344.	319.	291.	317.	367.	480.	307.	187.	
MAI	0.39	0.17	0.01	0.31	2.61	3.08	2.40	2.62	2.94	4.19	2.77	1.43	

LIMPIO		LAT 9 21 LON 79 27 549. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	25.0	26.1	26.7	26.1	25.0	25.5	25.0	24.4	24.4	23.9	23.9	25.0
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	47.	38.	44.	61.	46.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	470.	400.	400.	450.	436.
PRECIP.	103.	66.	56.	108.	315.	311.	309.	309.	318.	406.	335.	288.	2923.
POT ET	131.	125.	168.	155.	136.	110.	125.	123.	138.	121.	116.	135.	1582.
DEF PREC	28.	59.	111.	47.	-179.	-201.	-184.	-186.	-179.	-285.	-219.	-153.	-1341.
DEP PREC	63.	32.	24.	67.	242.	238.	236.	237.	244.	318.	259.	219.	
MAI	0.49	0.26	0.15	0.44	1.78	2.16	1.89	1.92	1.77	2.62	2.23	1.62	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

MADDEN DAM		LAT 9 12 LON 79 37 76. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.6	25.8	26.4	27.1	26.9	26.5	26.4	26.3	26.3	26.1	25.8	25.7	26.2
PCT SUN	51.	51.	62.	49.	40.	29.	35.	35.	42.	36.	43.	61.	44.
MEAN RAD.	420.	450.	530.	480.	430.	360.	400.	405.	440.	390.	395.	450.	429.
PRECIP.	26.	13.	12.	75.	280.	292.	308.	297.	281.	355.	574.	146.	2659.
POT ET	131.	128.	169.	150.	138.	111.	127.	129.	135.	123.	120.	141.	1602.
DEF PREC	105.	114.	156.	75.	-142.	-180.	-180.	-168.	-146.	-231.	-454.	-5.	-1057.
DEP PREC	0.	0.	0.	40.	213.	222.	235.	226.	213.	275.	459.	100.	
MAI	0.00	0.00	0.00	0.27	1.54	2.00	1.85	1.76	1.58	2.23	3.83	0.71	

MADRONAL		LAT 9 14 LON 79 37 61. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.5	27.6	28.1	27.6	26.5	27.0	26.5	25.9	25.9	25.4	25.4	26.5
PCT SUN	54.	53.	59.	53.	39.	30.	35.	32.	43.	36.	44.	57.	45.
MEAN RAD.	435.	460.	515.	500.	425.	370.	400.	390.	450.	390.	400.	435.	431.
PRECIP.	34.	14.	9.	58.	304.	278.	301.	280.	275.	350.	393.	183.	2479.
POT ET	137.	132.	169.	160.	139.	114.	129.	124.	137.	123.	120.	135.	1620.
DEF PREC	103.	119.	159.	102.	-165.	-164.	-172.	-156.	-138.	-227.	-273.	-48.	-859.
DEP PREC	6.	0.	0.	26.	233.	210.	230.	212.	208.	271.	307.	131.	
MAI	0.04	0.00	0.00	0.16	1.67	1.84	1.78	1.71	1.52	2.20	2.55	0.97	

MONTE LIRIO		LAT 9 14 LON 79 51 85. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	54.	53.	59.	53.	39.	30.	35.	32.	43.	36.	44.	57.	45.
MEAN RAD.	435.	460.	515.	500.	425.	370.	400.	390.	450.	390.	400.	435.	431.
PRECIP.	61.	46.	41.	102.	284.	290.	294.	325.	292.	402.	502.	288.	2926.
POT ET	137.	132.	168.	160.	139.	114.	129.	124.	137.	123.	120.	135.	1618.
DEF PREC	76.	86.	128.	58.	-146.	-176.	-165.	-201.	-155.	-279.	-382.	-153.	-1308.
DEP PREC	28.	16.	11.	62.	216.	220.	224.	250.	222.	315.	398.	219.	
MAI	0.21	0.12	0.07	0.39	1.55	1.93	1.74	2.02	1.62	2.57	3.32	1.62	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR PANAMA

NARGANA		LAT 9 29		LON 78 31		3. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	46.	51.	58.	47.	38.	29.	33.	34.	42.	38.	44.	55.	43.
MEAN RAD.	400.	450.	510.	470.	420.	365.	390.	400.	440.	400.	400.	425.	423.
PRECIP.	85.	42.	18.	87.	295.	243.	290.	274.	180.	223.	452.	176.	2365.
POT ET	126.	130.	168.	151.	138.	113.	127.	128.	135.	126.	121.	133.	1596.
DEF PREC	42.	88.	149.	64.	-157.	-130.	-163.	-146.	-46.	-96.	-331.	-43.	-770.
DEP PREC	48.	12.	0.	50.	225.	181.	221.	207.	128.	164.	357.	125.	
MAI	0.38	0.09	0.00	0.33	1.63	1.60	1.74	1.62	0.95	1.30	2.95	0.94	

NUEVA CALIFORNIA		LAT 8 47		LON 82 39		1400. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	22.4	23.5	24.1	23.5	22.4	22.9	22.4	21.8	21.8	21.3	21.3	22.4
PCT SUN	48.	51.	67.	51.	44.	27.	35.	33.	43.	34.	41.	66.	45.
MEAN RAD.	410.	455.	550.	490.	450.	350.	400.	395.	450.	380.	390.	470.	433.
PRECIP.	1.	36.	32.	98.	286.	378.	266.	305.	439.	491.	305.	29.	2666.
POT ET	117.	118.	163.	143.	134.	98.	117.	114.	124.	108.	106.	132.	1472.
DEF PREC	116.	82.	131.	45.	-152.	-280.	-149.	-191.	-315.	-383.	-199.	103.	-1194.
DEP PREC	0.	7.	4.	59.	217.	294.	200.	233.	346.	389.	233.	1.	
MAI	0.00	0.06	0.02	0.42	1.63	3.02	1.71	2.05	2.79	3.60	2.21	0.01	

PEDRO MIGUEL		LAT 9 1		LON 79 37		34. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	53.	51.	60.	55.	44.	32.	35.	36.	41.	39.	45.	58.	46.
MEAN RAD.	430.	450.	520.	510.	450.	380.	400.	410.	435.	405.	405.	440.	436.
PRECIP.	30.	11.	10.	81.	249.	236.	233.	231.	225.	301.	290.	148.	2045.
POT ET	136.	130.	171.	164.	148.	117.	130.	131.	133.	128.	122.	137.	1645.
DEF PREC	106.	119.	160.	83.	-102.	-119.	-103.	-100.	-92.	-173.	-168.	-11.	-400.
DEP PREC	2.	0.	0.	45.	186.	175.	172.	171.	166.	230.	221.	101.	
MAI	0.01	0.00	0.00	0.27	1.26	1.49	1.33	1.31	1.25	1.80	1.81	0.74	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

PEDRO MIGUEL R.													
LAT 9 3 LON 79 37 31. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	53.	51.	60.	55.	44.	32.	35.	36.	41.	39.	45.	58.	46.
MEAN RAD.	430.	450.	520.	510.	450.	380.	400.	410.	435.	405.	405.	440.	436.
PRECIP.	31.	10.	12.	69.	250.	250.	246.	242.	241.	286.	299.	153.	2090.
POT ET	136.	130.	171.	164.	148.	117.	130.	131.	133.	128.	122.	137.	1645.
DEF PREC	105.	120.	159.	95.	-103.	-133.	-117.	-111.	-108.	-158.	-177.	-16.	-444.
DEF PREC	3.	0.	0.	35.	187.	187.	184.	180.	179.	217.	228.	106.	
MAI	0.02	0.00	0.00	0.21	1.27	1.59	1.42	1.38	1.35	1.70	1.87	0.77	

PELUCA													
LAT 9 23 LON 79 34 107. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.8	26.3	27.5	28.0	27.5	26.3	26.9	26.3	25.8	25.8	25.2	25.2	26.4
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	47.	38.	44.	61.	46.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	470.	400.	400.	450.	436.
PRECIP.	98.	55.	38.	141.	339.	324.	324.	336.	296.	331.	428.	330.	3039.
POT ET	135.	129.	173.	160.	140.	114.	129.	127.	143.	126.	120.	139.	1634.
DEF PREC	37.	74.	135.	19.	-198.	-210.	-195.	-209.	-154.	-206.	-308.	-191.	-1405.
DEF PREC	59.	23.	9.	96.	261.	249.	249.	259.	226.	255.	336.	254.	
MAI	0.44	0.18	0.05	0.60	1.86	2.19	1.93	2.04	1.58	2.03	2.81	1.83	

PORTOBELLO													
LAT 9 32 LON 79 40 5. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.7	27.8	28.3	27.8	26.7	27.2	26.7	26.1	26.1	25.5	25.5	26.7
PCT SUN	59.	57.	58.	53.	38.	30.	35.	34.	43.	36.	43.	61.	46.
MEAN RAD.	450.	475.	510.	500.	420.	370.	400.	400.	450.	390.	395.	450.	434.
PRECIP.	129.	74.	65.	165.	448.	425.	464.	494.	342.	402.	637.	411.	4057.
POT ET	142.	137.	168.	161.	138.	115.	130.	128.	138.	123.	119.	140.	1639.
DEF PREC	13.	63.	102.	-4.	-310.	-311.	-334.	-366.	-205.	-279.	-518.	-271.	-2418.
DEF PREC	85.	40.	32.	115.	353.	334.	367.	392.	264.	315.	512.	322.	
MAI	0.60	0.29	0.19	0.72	2.56	2.92	2.82	3.06	1.92	2.55	4.29	2.30	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

PUEPTO ARMUELLES													
LAT 8 17 LON 82 52 15. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	45.	54.	63.	55.	42.	28.	36.	32.	43.	36.	43.	62.	45.
MEAN RAD.	400.	470.	535.	510.	440.	350.	405.	390.	450.	390.	400.	460.	433.
PRECIP.	25.	18.	26.	82.	236.	236.	203.	266.	292.	544.	293.	85.	2306.
POT ET	126.	136.	176.	164.	144.	108.	131.	125.	138.	123.	121.	143.	1636.
DEF PREC	101.	117.	150.	82.	-92.	-128.	-72.	-141.	-154.	-421.	-172.	58.	-670.
DEP PREC	0.	0.	0.	46.	175.	175.	148.	200.	222.	434.	223.	49.	
MAI	0.00	0.00	0.00	0.28	1.21	1.62	1.12	1.61	1.61	3.52	1.85	0.34	

RAICES (LAS)													
LAT 9 6 LON 79 59 34. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	53.	51.	60.	55.	44.	32.	35.	36.	41.	39.	45.	58.	46.
MEAN RAD.	430.	450.	520.	510.	450.	380.	400.	410.	435.	405.	405.	440.	436.
PRECIP.	59.	31.	24.	83.	261.	234.	220.	241.	244.	345.	336.	210.	2288.
POT ET	136.	130.	171.	164.	148.	117.	130.	131.	133.	128.	122.	137.	1645.
DEF PREC	76.	99.	147.	81.	-114.	-117.	-91.	-110.	-111.	-217.	-214.	-73.	-643.
DEP PREC	27.	3.	0.	46.	197.	174.	162.	179.	182.	267.	259.	153.	
MAI	0.20	0.02	0.00	0.28	1.33	1.48	1.25	1.37	1.37	2.09	2.12	1.12	

REMEDIOS													
LAT 8 14 LON 81 40 41. METERS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.5	27.7	28.2	27.7	26.5	27.1	26.5	26.0	26.0	25.4	25.4	26.6
PCT SUN	57.	57.	59.	53.	40.	28.	36.	34.	41.	37.	43.	54.	45.
MEAN RAD.	450.	480.	520.	500.	430.	350.	400.	400.	440.	400.	400.	430.	433.
PRECIP.	27.	35.	26.	120.	368.	434.	403.	317.	403.	691.	446.	117.	3386.
POT ET	142.	138.	170.	161.	141.	108.	130.	128.	134.	126.	120.	134.	1632.
DEF PREC	115.	103.	145.	41.	-227.	-326.	-273.	-189.	-269.	-565.	-325.	17.	-1754.
DEP PREC	0.	6.	0.	78.	286.	342.	315.	243.	316.	557.	351.	75.	
MAI	0.00	0.05	0.00	0.48	2.03	3.16	2.44	1.90	2.35	4.42	2.92	0.56	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

RIO GRANDE		LAT 8 25		LON 80 29		18. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	45.	50.	61.	53.	40.	29.	37.	34.	40.	38.	43.	59.	44.
MEAN RAD.	400.	450.	525.	500.	430.	360.	410.	400.	435.	400.	400.	450.	430.
PRECIP.	7.	1.	4.	33.	151.	174.	127.	143.	216.	303.	228.	57.	1444.
POT ET	126.	130.	172.	161.	141.	111.	133.	128.	133.	126.	121.	140.	1623.
DEF PREC	119.	129.	168.	128.	-10.	-63.	6.	-15.	-83.	-177.	-107.	83.	179.
DEP PREC	0.	0.	0.	5.	104.	123.	84.	97.	158.	232.	169.	25.	
MAI	0.00	0.00	0.00	0.03	0.73	1.11	0.63	0.76	1.19	1.83	1.40	0.18	

SADDLE FIVE		LAT 9 12		LON 79 36		85. METERS							
	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	51.	51.	62.	49.	40.	29.	35.	35.	42.	36.	43.	61.	44.
MEAN RAD.	420.	450.	530.	480.	430.	360.	400.	405.	440.	390.	395.	450.	429.
PRECIP.	31.	13.	9.	53.	292.	304.	335.	306.	298.	345.	363.	162.	2511.
POT ET	132.	129.	173.	154.	141.	111.	129.	129.	134.	123.	119.	140.	1612.
DEF PREC	101.	116.	164.	101.	-151.	-193.	-206.	-177.	-164.	-222.	-245.	-22.	-899.
DEP PREC	3.	0.	0.	21.	222.	232.	259.	234.	227.	267.	282.	113.	
MAI	0.02	0.00	0.00	0.14	1.58	2.09	2.01	1.81	1.70	2.17	2.38	0.81	

SALAMANCA		LAT 9 19		LON 79 35		82. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	53.	51.	62.	53.	40.	30.	35.	34.	47.	38.	44.	61.	46.
MEAN RAD.	430.	450.	530.	500.	430.	370.	400.	400.	470.	400.	400.	450.	436.
PRECIP.	35.	20.	11.	73.	263.	299.	296.	291.	305.	363.	362.	163.	2482.
POT ET	135.	129.	173.	160.	141.	114.	129.	127.	143.	126.	120.	140.	1637.
DEF PREC	100.	110.	163.	87.	-123.	-185.	-167.	-163.	-162.	-238.	-242.	-24.	-844.
DEP PREC	6.	0.	0.	38.	198.	228.	226.	221.	233.	282.	281.	114.	
MAI	0.05	0.00	0.00	0.24	1.41	2.00	1.75	1.74	1.63	2.25	2.34	0.82	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

SAN MIGUEL		LAT 9 27		LON 79 30		515. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	25.1	26.2	26.8	26.2	25.1	25.6	25.1	24.5	24.5	24.0	24.0	25.1
PCT SUN	59.	57.	58.	53.	38.	30.	35.	34.	43.	36.	43.	61.	46.
MEAN RAD.	450.	475.	510.	500.	420.	370.	400.	400.	450.	390.	395.	450.	434.
PRECIP.	154.	62.	66.	180.	356.	341.	340.	369.	313.	352.	445.	344.	3322.
POT ET	137.	132.	162.	155.	133.	110.	125.	123.	133.	119.	115.	135.	1579.
DEF PREC	-17.	71.	96.	-25.	-223.	-231.	-215.	-246.	-181.	-233.	-330.	-209.	-1743.
DEP PREC	107.	29.	32.	128.	276.	264.	263.	287.	240.	273.	351.	266.	
MAI	0.78	0.22	0.20	0.82	2.07	2.39	2.10	2.33	1.81	2.30	3.05	1.97	

SANTA CLARA		LAT 8 24		LON 80 7		37. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.2	27.7	26.6	27.1	26.6	26.0	26.0	25.4	25.4	26.6
PCT SUN	45.	50.	61.	53.	40.	29.	37.	34.	40.	37.	43.	59.	44.
MEAN RAD.	400.	450.	525.	500.	430.	360.	410.	400.	435.	400.	400.	450.	430.
PRECIP.	11.	3.	1.	15.	154.	141.	110.	139.	127.	186.	172.	77.	1137.
POT ET	126.	130.	172.	161.	141.	111.	133.	128.	133.	126.	121.	140.	1621.
DEF PREC	115.	127.	171.	145.	-13.	-30.	23.	-12.	6.	-60.	-51.	63.	484.
DEP PREC	0.	0.	0.	0.	107.	95.	69.	94.	83.	133.	121.	42.	
MAI	0.00	0.00	0.00	0.00	0.76	0.86	0.52	0.74	0.63	1.06	1.01	0.30	

SANTA ROSA		LAT 8 12		LON 80 40		24. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	26.6	27.7	28.3	27.7	26.6	27.1	26.6	26.0	26.0	25.5	25.5	26.6
PCT SUN	42.	52.	59.	53.	38.	28.	36.	34.	41.	37.	43.	58.	44.
MEAN RAD.	390.	460.	520.	500.	420.	350.	405.	400.	440.	400.	400.	445.	428.
PRECIP.	9.	10.	1.	36.	215.	203.	169.	195.	232.	353.	247.	72.	1742.
POT ET	123.	133.	171.	161.	138.	108.	131.	128.	134.	126.	121.	139.	1612.
DEF PREC	114.	123.	169.	125.	-77.	-95.	-38.	-67.	-98.	-227.	-126.	67.	-130.
DEP PREC	0.	0.	0.	7.	158.	147.	119.	141.	172.	273.	184.	37.	
MAI	0.00	0.00	0.00	0.04	1.14	1.36	0.91	1.10	1.28	2.17	1.53	0.27	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

SETIYC	LAT 9 23 LON 82 40 80. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	46.	60.	65.	55.	42.	27.	35.	36.	43.	38.	46.	56.	46.
MEAN RAD.	400.	490.	540.	510.	440.	350.	400.	410.	450.	400.	410.	430.	436.
PRECIP.	228.	122.	237.	245.	181.	265.	199.	193.	194.	284.	328.	305.	2781.
POT ET	126.	141.	177.	163.	144.	108.	129.	131.	137.	126.	123.	133.	1637.
DEF PREC	-102.	19.	-60.	-82.	-37.	-157.	-70.	-63.	-57.	-158.	-205.	-172.	-1144.
DEP PREC	169.	79.	176.	183.	129.	200.	144.	139.	140.	216.	252.	233.	
MAI	1.34	0.56	1.00	1.12	0.90	1.85	1.12	1.07	1.02	1.71	2.05	1.75	

SUMMIT	LAT 9 4 LON 79 39 82. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	26.4	27.5	28.1	27.5	26.4	27.0	26.4	25.9	25.9	25.3	25.3	26.5
PCT SUN	53.	51.	60.	55.	44.	32.	35.	36.	41.	39.	45.	58.	46.
MEAN RAD.	430.	450.	520.	510.	450.	380.	400.	410.	435.	405.	405.	440.	436.
PRECIP.	23.	9.	10.	79.	262.	231.	257.	255.	251.	306.	324.	149.	2156.
POT ET	135.	129.	170.	163.	147.	117.	129.	131.	132.	127.	122.	137.	1639.
DEF PREC	112.	120.	160.	84.	-115.	-114.	-128.	-125.	-118.	-179.	-202.	-13.	-517.
DEP PREC	0.	0.	0.	43.	197.	171.	192.	191.	188.	234.	249.	102.	
MAI	0.00	0.00	0.00	0.27	1.34	1.46	1.49	1.47	1.42	1.84	2.05	0.75	

TONOST	LAT 7 23 LON 80 23 15. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.6	27.7	28.3	27.7	26.6	27.2	26.6	26.1	26.1	25.5	25.5	26.7
PCT SUN	55.	56.	59.	53.	41.	28.	36.	34.	41.	37.	42.	53.	45.
MEAN RAD.	450.	480.	520.	500.	430.	350.	400.	400.	440.	400.	400.	430.	433.
PRECIP.	26.	2.	4.	46.	224.	237.	225.	223.	231.	418.	358.	130.	2124.
POT ET	142.	139.	171.	161.	141.	108.	130.	128.	134.	126.	121.	134.	1635.
DEF PREC	116.	137.	166.	115.	-83.	-128.	-95.	-95.	-97.	-292.	-237.	4.	-489.
DEP PREC	0.	0.	0.	16.	165.	176.	166.	164.	171.	328.	277.	86.	
MAI	0.00	0.00	0.00	0.10	1.17	1.62	1.28	1.28	1.27	2.60	2.30	0.64	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PANAMA

VOLCAN (EL)		LAT 8 47 LON 82 42 1220. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	22.9	24.0	24.6	24.0	22.9	23.5	22.9	22.4	22.4	21.8	21.8	23.0
PCT SUN	48.	51.	67.	51.	44.	27.	35.	33.	43.	34.	41.	66.	45.
MEAN RAD.	410.	455.	550.	490.	450.	350.	400.	395.	450.	380.	390.	470.	433.
PRECIP.	26.	27.	45.	168.	468.	480.	340.	391.	533.	632.	340.	89.	3539.
POT ET	118.	120.	165.	145.	135.	99.	119.	115.	126.	110.	107.	134.	1493.
DEF PREC	92.	93.	121.	-23.	-333.	-381.	-221.	-275.	-408.	-522.	-232.	44.	-2047.
DEP PREC	0.	0.	15.	118.	370.	380.	262.	305.	425.	508.	262.	52.	
MAI	0.00	0.00	0.09	0.82	2.74	3.84	2.21	2.64	3.39	4.64	2.44	0.39	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PARAGUAY

ARTIGAS		LAT 30 24 LON 56 28 117. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.6	26.1	23.6	19.1	16.2	13.9	13.6	15.4	17.0	19.2	22.6	25.2	19.9
PCT SUN	45.	58.	42.	23.	43.	40.	39.	42.	31.	40.	37.	39.	40.
MEAN RAD.	530.	550.	400.	235.	255.	215.	225.	290.	315.	435.	470.	500.	368.
PRECIP.	115.	102.	122.	139.	103.	127.	82.	64.	123.	149.	81.	118.	1325.
POT ET	169.	157.	119.	60.	62.	47.	50.	69.	76.	115.	132.	155.	1211.
DEF PREC	54.	55.	-3.	-79.	-41.	-80.	-32.	5.	-47.	-34.	51.	36.	-115.
DEP PREC	69.	61.	74.	86.	61.	78.	47.	34.	75.	93.	46.	72.	
MAI	0.41	0.39	0.62	1.43	0.99	1.66	0.93	0.50	0.99	0.81	0.35	0.46	

CERRO LARGO		LAT 32 22 LON 54 15 94. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	23.4	21.4	17.8	14.6	12.6	11.9	12.9	14.7	17.3	19.5	22.7	17.8
PCT SUN	42.	50.	39.	24.	48.	44.	44.	40.	29.	39.	34.	42.	40.
MEAN RAD.	510.	510.	380.	235.	255.	210.	225.	270.	300.	425.	450.	520.	358.
PRECIP.	91.	100.	110.	105.	96.	128.	98.	104.	121.	98.	72.	54.	1177.
POT ET	154.	136.	107.	58.	59.	44.	47.	59.	67.	106.	116.	151.	1105.
DEF PREC	63.	36.	-3.	-47.	-37.	-84.	-51.	-45.	-54.	8.	44.	97.	-72.
DEP PREC	53.	59.	66.	62.	56.	78.	58.	62.	74.	58.	40.	27.	
MAI	0.34	0.43	0.62	1.08	0.96	1.78	1.22	1.05	1.09	0.54	0.34	0.18	

COLONIA		LAT 34 27 LON 57 46 30. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	23.6	21.5	18.0	15.1	12.4	11.8	12.6	14.5	17.2	20.1	22.7	17.8
PCT SUN	43.	44.	37.	19.	44.	34.	39.	37.	33.	37.	32.	45.	37.
MEAN RAD.	520.	476.	364.	199.	230.	172.	198.	248.	309.	407.	434.	543.	342.
PRECIP.	103.	80.	111.	112.	97.	76.	64.	85.	84.	89.	102.	70.	1073.
POT ET	157.	128.	102.	49.	54.	36.	42.	54.	69.	102.	114.	158.	1064.
DEF PREC	54.	48.	-9.	-63.	-43.	-40.	-22.	-31.	-15.	13.	12.	88.	-9.
DEP PREC	61.	45.	67.	67.	57.	42.	34.	49.	48.	51.	61.	38.	
MAI	0.39	0.35	0.65	1.37	1.06	1.19	0.82	0.91	0.70	0.51	0.53	0.24	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR PARAGUAY

LAVALLEJA		LAT 34 23 LON 55 14 133. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	23.1	21.3	17.7	14.3	11.8	11.2	12.3	14.0	16.3	19.4	22.2	17.3
PCT SUN	45.	55.	49.	26.	54.	41.	42.	37.	35.	40.	41.	46.	43.
MEAN RAD.	530.	530.	420.	235.	255.	190.	205.	250.	320.	425.	490.	550.	367.
PRECIP.	99.	96.	113.	130.	111.	124.	90.	109.	113.	114.	100.	86.	1285.
POT ET	159.	141.	118.	58.	58.	39.	42.	53.	70.	103.	126.	158.	1125.
DEF PREC	60.	44.	5.	-72.	-53.	-85.	-48.	-56.	-43.	-11.	26.	72.	-160.
DEP PREC	58.	56.	68.	80.	67.	76.	52.	65.	68.	69.	59.	49.	
MAI	0.37	0.40	0.58	1.38	1.15	1.96	1.23	1.22	0.97	0.67	0.47	0.31	

PAYSANDU		LAT 32 20 LON 58 5 52. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	24.9	22.2	17.8	15.0	12.5	11.9	13.3	15.1	17.8	21.1	24.2	18.5
PCT SUN	45.	52.	42.	20.	41.	44.	46.	40.	31.	43.	37.	40.	40.
MEAN RAD.	530.	520.	395.	215.	235.	210.	230.	270.	310.	445.	470.	510.	362.
PRECIP.	127.	111.	146.	116.	78.	87.	54.	77.	94.	112.	92.	93.	1187.
POT ET	167.	144.	113.	53.	55.	44.	48.	60.	70.	113.	127.	154.	1148.
DEF PREC	40.	33.	-33.	-63.	-23.	-43.	-6.	-17.	-24.	1.	35.	61.	-39.
DEP PREC	78.	67.	91.	70.	44.	50.	27.	43.	55.	67.	54.	54.	
MAI	0.47	0.46	0.80	1.33	0.80	1.15	0.57	0.72	0.78	0.60	0.42	0.35	

PRADO		LAT 34 52 LON 56 12 22. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.5	22.2	20.3	17.0	13.7	10.9	10.5	11.1	12.8	15.1	18.3	21.0	16.3
PCT SUN	49.	55.	50.	27.	55.	43.	43.	38.	35.	40.	41.	50.	44.
MEAN RAD.	550.	530.	420.	235.	255.	190.	205.	250.	320.	425.	490.	570.	370.
PRECIP.	77.	73.	99.	103.	95.	95.	67.	85.	89.	70.	78.	80.	1011.
POT ET	159.	137.	115.	56.	57.	37.	41.	51.	67.	100.	122.	158.	1102.
DEF PREC	82.	65.	15.	-47.	-38.	-58.	-26.	-34.	-22.	30.	44.	78.	91.
DEP PREC	43.	40.	58.	61.	56.	56.	36.	49.	51.	38.	44.	45.	
MAI	0.27	0.29	0.51	1.08	0.97	1.49	0.88	0.95	0.76	0.39	0.36	0.29	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PARAGUAY

PUNTA DEL ESTE				LAT 34 58 LON 54 57				16. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	21.6	20.5	17.6	14.8	12.4	11.4	11.5	12.7	14.7	17.2	19.8	16.3
PCT SUN	42.	49.	41.	24.	55.	52.	50.	38.	27.	36.	34.	41.	41.
MEAN RAD.	510.	500.	380.	225.	255.	210.	220.	250.	280.	405.	450.	520.	350.
PRECIP.	78.	74.	87.	84.	82.	86.	65.	82.	88.	86.	69.	57.	938.
POT ET	144.	127.	104.	55.	59.	44.	46.	52.	59.	94.	109.	140.	1032.
DEF PREC	66.	54.	17.	-29.	-23.	-43.	-19.	-30.	-29.	8.	40.	83.	94.
DEP PREC	44.	41.	50.	48.	47.	49.	35.	47.	51.	49.	38.	29.	
MAI	0.31	0.32	0.48	0.87	0.79	1.14	0.77	0.90	0.86	0.53	0.35	0.21	

RIVERA				LAT 30 54 LON 55 33				260. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	24.4	22.2	18.3	15.3	13.0	12.5	14.0	15.6	17.8	20.9	23.4	18.5
PCT SUN	45.	52.	40.	23.	46.	42.	40.	39.	29.	40.	37.	39.	39.
MEAN RAD.	530.	520.	390.	235.	260.	215.	225.	275.	305.	435.	470.	500.	363.
PRECIP.	130.	104.	134.	143.	118.	155.	111.	97.	147.	186.	85.	98.	1508.
POT ET	163.	142.	112.	59.	61.	46.	48.	62.	70.	110.	126.	148.	1148.
DEF PREC	33.	39.	-22.	-84.	-57.	-109.	-63.	-35.	-77.	-75.	41.	50.	-360.
DEP PREC	80.	62.	83.	89.	72.	97.	67.	57.	92.	118.	49.	58.	
MAI	0.49	0.43	0.74	1.51	1.17	2.13	1.38	0.92	1.30	1.07	0.39	0.39	

ROCHA				LAT 34 29 LON 54 18				22. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	21.6	20.4	16.6	13.9	11.5	10.7	11.4	12.9	15.1	17.5	20.3	16.2
PCT SUN	39.	53.	41.	20.	46.	48.	48.	36.	29.	36.	34.	46.	40.
MEAN RAD.	490.	520.	380.	205.	235.	205.	220.	245.	290.	405.	450.	550.	350.
PRECIP.	90.	87.	89.	97.	70.	96.	67.	86.	105.	89.	70.	58.	1004.
POT ET	140.	133.	104.	49.	53.	41.	44.	51.	61.	95.	110.	150.	1031.
DEF PREC	50.	45.	15.	-48.	-17.	-55.	-23.	-35.	-44.	6.	40.	92.	27.
DEP PREC	52.	50.	51.	57.	38.	56.	36.	49.	62.	51.	38.	30.	
MAI	0.37	0.38	0.49	1.17	0.73	1.36	0.82	0.97	1.02	0.54	0.35	0.20	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PARAGUAY

SALTO		LAT 31 23 LON 57 58 46. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	25.2	22.9	18.4	15.5	12.8	12.5	13.7	15.4	18.4	21.9	24.4	18.9
PCT SUN	45.	52.	42.	20.	42.	45.	47.	44.	31.	42.	37.	39.	41.
MEAN RAD.	530.	520.	400.	215.	245.	220.	240.	290.	315.	445.	470.	500.	366.
PRECIP.	116.	94.	121.	151.	83.	100.	58.	58.	97.	127.	91.	79.	1175.
POT ET	168.	145.	117.	54.	58.	46.	52.	65.	72.	115.	130.	152.	1173.
DEF PREC	52.	51.	-4.	-97.	-25.	-54.	-6.	7.	-25.	-12.	39.	73.	-2.
DEP PREC	70.	55.	74.	94.	47.	59.	30.	30.	57.	78.	53.	45.	
MAI	0.42	0.38	0.63	1.75	0.82	1.28	0.58	0.46	0.79	0.67	0.41	0.29	

SAN JOSE		LAT 34 21 LON 56 43 41. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	23.1	21.3	16.6	14.0	11.2	10.9	11.9	13.1	16.2	19.3	22.6	17.1
PCT SUN	49.	55.	49.	26.	53.	41.	42.	37.	35.	40.	41.	50.	43.
MEAN RAD.	550.	530.	420.	235.	255.	190.	205.	250.	320.	425.	490.	570.	370.
PRECIP.	138.	122.	126.	133.	118.	110.	80.	123.	113.	123.	114.	74.	1374.
POT ET	167.	141.	118.	56.	58.	38.	42.	53.	68.	103.	126.	165.	1133.
DEF PREC	29.	19.	-8.	-77.	-60.	-72.	-38.	-70.	-45.	-20.	12.	91.	-241.
DEP PREC	85.	74.	77.	82.	72.	66.	45.	75.	68.	75.	69.	41.	
MAI	0.51	0.53	0.66	1.47	1.24	1.74	1.08	1.42	1.00	0.73	0.55	0.25	

SANTA ISABEL		LAT 32 46 LON 56 32 79. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	24.3	21.8	17.5	14.2	12.2	10.8	13.6	15.0	17.2	20.8	23.8	18.0
PCT SUN	45.	58.	48.	27.	53.	37.	49.	47.	34.	41.	41.	47.	44.
MEAN RAD.	530.	550.	420.	245.	265.	190.	235.	290.	320.	435.	490.	550.	377.
PRECIP.	138.	71.	112.	88.	100.	87.	39.	30.	116.	100.	90.	56.	1027.
POT ET	163.	150.	119.	60.	60.	39.	48.	65.	72.	109.	131.	164.	1181.
DEF PREC	25.	80.	7.	-29.	-40.	-48.	9.	35.	-43.	9.	41.	109.	154.
DEP PREC	86.	39.	67.	51.	59.	50.	17.	11.	70.	59.	52.	28.	
MAI	0.53	0.26	0.56	0.85	0.98	1.28	0.36	0.17	0.96	0.54	0.40	0.17	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PARAGUAY

SORIANO		LAT 33 15		LON 58 4		22. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.0	25.2	22.4	18.1	14.7	12.3	11.9	12.9	15.3	17.9	21.3	24.2	18.5
PCT SUN	45.	54.	48.	25.	50.	38.	39.	36.	34.	39.	41.	46.	41.
MEAN RAD.	530.	530.	420.	235.	255.	190.	205.	250.	320.	425.	490.	550.	367.
PRECIP.	98.	85.	123.	96.	72.	74.	48.	76.	84.	104.	92.	60.	1012.
POT ET	167.	148.	121.	58.	59.	39.	43.	55.	73.	108.	133.	166.	1171.
DEF PREC	69.	63.	-2.	-38.	-13.	-35.	-5.	-21.	-11.	4.	41.	106.	159.
DEP PREC	58.	49.	75.	56.	40.	41.	23.	42.	48.	52.	54.	31.	
MAI	0.35	0.33	0.62	0.96	0.67	1.05	0.54	0.78	0.66	0.57	0.40	0.19	

TACUAREMBO		LAT 32 49		LON 56 31		79. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	23.9	21.8	17.5	14.1	12.4	11.5	12.8	14.6	17.4	20.3	23.2	17.9
PCT SUN	45.	59.	48.	27.	53.	37.	49.	47.	34.	41.	41.	46.	44.
MEAN RAD.	530.	550.	420.	245.	265.	190.	235.	290.	320.	435.	490.	550.	377.
PRECIP.	112.	93.	128.	111.	88.	102.	66.	96.	107.	98.	81.	81.	1163.
POT ET	163.	149.	119.	60.	60.	39.	49.	63.	72.	109.	129.	162.	1174.
DEF PREC	51.	56.	-9.	-51.	-28.	-63.	-17.	-33.	-35.	11.	48.	81.	11.
DEP PREC	67.	54.	78.	67.	51.	61.	36.	56.	64.	58.	46.	46.	
MAI	0.41	0.36	0.66	1.12	0.84	1.54	0.73	0.89	0.89	0.53	0.36	0.28	

TREINTA Y TRES		LAT 33 11		LON 54 21		31. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	23.4	21.5	17.5	14.8	12.3	11.7	12.4	14.2	16.9	19.7	22.5	17.6
PCT SUN	43.	52.	39.	21.	46.	46.	46.	35.	28.	37.	34.	44.	39.
MEAN RAD.	520.	520.	380.	215.	245.	210.	225.	250.	290.	410.	450.	535.	354.
PRECIP.	99.	92.	87.	131.	79.	117.	78.	103.	114.	104.	73.	74.	1151.
POT ET	158.	139.	107.	52.	57.	43.	47.	54.	64.	102.	117.	155.	1094.
DEF PREC	59.	47.	20.	-79.	-22.	-74.	-31.	-50.	-50.	-2.	44.	81.	-57.
DEP PREC	58.	54.	50.	81.	45.	71.	44.	61.	69.	62.	40.	41.	
MAI	0.37	0.39	0.47	1.54	0.78	1.63	0.93	1.14	1.08	0.61	0.35	0.27	

LAT 4 15 LON 81 14 270. METERS

[illegible]

LAT 6 48 LON 79 19 322. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.8	26.0	25.8	22.9	21.7	20.3	20.3	21.1	21.3	22.5	23.9	23.1
MEAN R.H.	98.	98.	98.	97.	98.	98.	99.	98.	98.	97.	98.	98.	98.
PCT SUN	15.	16.	15.	16.	14.	14.	14.	14.	15.	16.	16.	15.	15.
MEAN RAD.	277.	284.	265.	261.	224.	213.	216.	235.	264.	286.	280.	273.	256.
PRECIP.	23.	24.	26.	13.	3.	0.	0.	1.	1.	6.	1.	4.	102.
POT ET	86.	80.	84.	79.	65.	58.	59.	64.	71.	80.	78.	82.	886.
DEF PREC	63.	56.	58.	66.	62.	58.	59.	63.	70.	74.	77.	78.	784.
DEP PREC	3.	3.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	
MAJ	.03	.04	.04	.01	.01	.00	.00	.00	.00	.00	.00	.00	

LAT 12 4 LON 77 2 137. METERS

[illegible]



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICITS FOR YEARS

[illegible][illegible][illegible]



[illegible][illegible][illegible]

[illegible][illegible][illegible]

[illegible]

PUNTA ILA		LAT 12 5		LON 77 10		12. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	23.1	22.9	21.1	19.2	17.4	16.7	16.5	16.9	18.0	19.4	20.1	19.5
MEAN R.H.	97.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	17.	16.	15.	17.	15.	15.	14.	16.	17.	18.	18.	17.	16.
MEAN RAD.	301.	272.	265.	256.	211.	203.	202.	233.	273.	298.	308.	302.	262.
PRECIP.	1.	0.	0.	0.	1.	2.	2.	2.	2.	1.	0.	0.	11.
POT ET	86.	77.	77.	69.	56.	49.	50.	57.	65.	76.	79.	82.	825.
DEF PREC	85.	77.	77.	69.	55.	47.	48.	55.	63.	75.	79.	82.	814.
DEP PREC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MAI	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	

SAN JUAN		LAT 15 23		LON 75 9		30. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	26.4	26.2	24.6	22.8	20.9	19.6	19.3	19.7	20.2	21.1	22.8	22.4
MEAN R.H.	97.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	18.	18.	16.	17.	15.	15.	15.	16.	17.	18.	18.	18.	17.
MEAN RAD.	314.	306.	271.	249.	203.	190.	197.	225.	268.	304.	318.	314.	263.
PRECIP.	0.	0.	0.	0.	0.	0.	0.	1.	2.	1.	1.	0.	5.
POT ET	97.	88.	86.	73.	59.	51.	53.	60.	70.	83.	86.	91.	896.
DEF PREC	97.	88.	86.	73.	59.	51.	53.	59.	68.	82.	85.	91.	891.
DEP PREC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MAI	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	

TACNA		LAT 18 4		LON 70 18		452. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.6	20.7	19.4	17.6	15.1	13.4	12.7	13.0	14.0	14.9	17.0	18.4	16.4
MEAN R.H.	97.	97.	97.	97.	98.	98.	98.	97.	97.	97.	97.	97.	97.
PCT SUN	18.	18.	17.	17.	15.	15.	15.	16.	18.	18.	19.	17.	17.
MEAN RAD.	320.	310.	276.	245.	197.	181.	187.	223.	272.	304.	324.	314.	263.
PRECIP.	1.	1.	1.	1.	4.	3.	4.	8.	11.	7.	1.	1.	41.
POT ET	88.	77.	73.	60.	46.	39.	41.	49.	60.	71.	78.	81.	762.
DEF PREC	87.	76.	73.	59.	42.	36.	36.	41.	48.	64.	77.	81.	721.
DEP PREC	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	
MAI	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECITS FOR PERU

[illegible][illegible][illegible]

## ACCNOCOCHA

LAT 13 3 LON 75 12 4522. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	3.7	3.8	4.0	3.6	2.8	1.9	1.1	1.6	2.2	3.0	3.2	3.4	2.9
MEAN R.H.	97.	97.	97.	97.	97.	97.	97.	97.	96.	97.	97.	100.	97.
PCT SUN	16.	17.	15.	15.	15.	16.	17.	17.	18.	17.	16.	0.	15.
MEAN RAD.	296.	294.	265.	239.	213.	203.	213.	242.	278.	297.	297.	0.	236.
PRECIP.	164.	168.	147.	61.	16.	4.	2.	8.	22.	48.	66.	94.	800.
POT ET	45.	40.	41.	35.	31.	27.	28.	33.	38.	44.	43.	0.	404.
DEF PREC	-119.	-127.	-106.	-26.	15.	23.	26.	25.	16.	-4.	-23.	-94.	-396.
DEF PREC	111.	113.	98.	37.	5.	0.	0.	0.	9.	28.	41.	61.	
MAI	2.46	2.80	2.42	1.06	.17	.00	.00	.00	.25	.64	.96	.00	

## AREQUIPA

LAT 16 19 LON 71 33 2524. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.1	14.3	14.5	13.4	12.7	11.2	11.5	12.1	12.9	13.4	13.4	13.5	13.1
MEAN R.H.	96.	96.	97.	97.	97.	97.	97.	97.	96.	96.	96.	97.	97.
PCT SUN	18.	18.	17.	17.	15.	15.	15.	16.	18.	18.	19.	17.	17.
MEAN RAD.	319.	310.	278.	249.	202.	187.	192.	227.	275.	304.	323.	312.	265.
PRECIP.	31.	26.	29.	1.	0.	0.	0.	0.	1.	0.	1.	5.	94.
POT ET	72.	64.	64.	53.	44.	37.	40.	48.	58.	68.	69.	69.	687.
DEF PREC	41.	38.	35.	52.	44.	37.	40.	48.	57.	68.	68.	64.	593.
DEF PREC	16.	12.	14.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MAI	.22	.19	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	

## BELLAVISTA

LAT 6 59 LON 76 43 0. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.6	14.1	14.2	13.8	13.9	13.2	13.1	14.0	14.5	14.3	14.6	14.3	14.1
MEAN R.H.	97.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	98.
PCT SUN	15.	16.	14.	15.	14.	14.	14.	14.	15.	16.	15.	15.	15.
MEAN RAD.	272.	281.	263.	253.	219.	212.	213.	230.	262.	291.	278.	273.	253.
PRECIP.	119.	140.	121.	42.	15.	4.	2.	4.	19.	43.	47.	74.	630.
POT ET	63.	58.	60.	55.	49.	45.	47.	52.	58.	64.	62.	62.	676.
DEF PREC	-56.	-82.	-61.	13.	34.	41.	45.	48.	39.	21.	15.	-12.	46.
DEF PREC	79.	93.	80.	24.	4.	0.	0.	0.	7.	24.	27.	46.	
MAI	1.25	1.62	1.34	.43	.09	.00	.00	.00	.13	.38	.44	.74	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECITS FOR PERU

CAJAMARCA		LAT 7 8 LON 78 28 2622. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.6	14.1	14.2	13.8	13.9	13.2	13.1	14.0	14.5	14.3	14.6	14.3	14.1
MEAN R.H.	97.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	98.
PCT SUN	15.	16.	14.	15.	14.	14.	14.	14.	15.	16.	15.	15.	15.
MEAN RAD.	272.	281.	262.	253.	219.	212.	213.	230.	261.	281.	278.	273.	253.
PRECIP.	95.	113.	136.	108.	37.	13.	5.	9.	30.	87.	72.	77.	782.
POT ET	63.	58.	60.	55.	49.	45.	47.	52.	58.	64.	62.	62.	675.
DEF PREC	-32.	-56.	-76.	-53.	12.	32.	42.	43.	28.	-23.	-10.	-15.	-107.
DEF PREC	61.	74.	91.	71.	20.	3.	0.	0.	15.	56.	45.	49.	
MAI	.98	1.29	1.52	1.28	.41	.06	.00	.00	.27	.87	.72	.78	

CARAZ		LAT 9 3 LON 77 49 2289. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	15.9	15.7	15.6	15.4	15.8	15.2	14.5	15.1	15.2	15.9	16.5	16.2	15.6
MEAN R.H.	98.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	14.	16.	14.	16.	14.	15.	14.	14.	15.	16.	16.	15.	15.
MEAN RAD.	270.	283.	262.	250.	215.	207.	210.	226.	262.	286.	288.	279.	253.
PRECIP.	40.	60.	66.	29.	4.	0.	0.	0.	2.	9.	10.	17.	237.
POT ET	65.	61.	62.	57.	51.	47.	48.	53.	60.	69.	68.	68.	710.
DEF PREC	25.	1.	-4.	28.	47.	47.	48.	53.	58.	60.	58.	51.	473.
DEF PREC	22.	36.	41.	14.	0.	0.	0.	0.	0.	0.	1.	6.	
MAI	.34	.60	.65	.25	.00	.00	.00	.00	.00	.00	.01	.09	

CASAPALCA		LAT 11 39 LON 76 14 4193. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	2.8	2.4	3.3	2.1	1.6	2.1	1.3	2.6	2.2	2.6	3.6	3.1	2.5
MEAN R.H.	97.	97.	97.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	16.	15.
MEAN RAD.	286.	284.	265.	248.	208.	199.	201.	223.	259.	289.	298.	288.	254.
PRECIP.	125.	144.	125.	60.	22.	12.	6.	10.	41.	52.	60.	84.	741.
POT ET	41.	36.	39.	34.	28.	27.	27.	32.	35.	42.	44.	42.	428.
DEF PREC	-84.	-108.	-86.	-26.	6.	15.	21.	22.	-6.	-11.	-16.	-42.	-313.
DEF PREC	83.	96.	83.	36.	9.	2.	0.	1.	23.	31.	36.	54.	
MAI	2.00	2.64	2.10	1.08	.33	.08	.00	.02	.65	.74	.84	1.26	

## CERRO DE PASCO

LAT 10 45 LON 76 10 4402. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	2.8	2.4	3.3	2.1	1.6	2.1	1.3	2.6	2.2	2.6	3.6	3.1	2.5
MEAN R.H.	97.	97.	97.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	16.	15.
MEAN RAD.	285.	284.	266.	250.	211.	202.	204.	225.	260.	289.	297.	287.	255.
PRECIP.	134.	153.	128.	70.	35.	16.	11.	19.	50.	68.	115.	126.	926.
POT ET	41.	36.	39.	34.	29.	27.	27.	32.	36.	42.	43.	42.	429.
DEF PREC	-93.	-117.	-89.	-36.	-7.	11.	16.	14.	-14.	-27.	-72.	-84.	-497.
DEF PREC	89.	103.	85.	43.	19.	5.	2.	7.	29.	42.	76.	83.	
MAI	2.16	2.82	2.16	1.28	.68	.19	.06	.21	.82	1.02	1.75	1.98	

## CONOCOCHA

LAT 10 3 LON 77 16 4001. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	2.8	2.4	3.3	2.1	1.6	2.1	1.3	2.6	2.2	2.6	3.6	3.1	2.5
MEAN R.H.	97.	97.	97.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	16.	15.
MEAN RAD.	284.	283.	266.	251.	212.	204.	206.	226.	261.	289.	296.	285.	255.
PRECIP.	74.	74.	119.	55.	25.	5.	0.	4.	3.	16.	33.	24.	432.
POT ET	41.	36.	39.	34.	29.	28.	28.	33.	36.	41.	43.	42.	430.
DEF PREC	-33.	-38.	-80.	-21.	4.	23.	28.	28.	33.	25.	10.	18.	-2.
DEF PREC	46.	46.	79.	33.	11.	0.	0.	0.	0.	5.	17.	11.	
MAI	1.13	1.28	1.99	.97	.40	.00	.00	.00	.00	.12	.40	.26	

## CUZCO

LAT 13 31 LON 71 58 3366. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	12.0	11.4	11.9	11.4	10.2	9.5	8.8	10.2	11.5	12.3	12.9	12.4	11.2
MEAN R.H.	97.	97.	98.	98.	98.	98.	98.	98.	97.	97.	96.	97.	97.
PCT SUN	16.	16.	14.	14.	14.	15.	14.	14.	15.	17.	18.	16.	15.
MEAN RAD.	298.	288.	257.	231.	200.	194.	194.	219.	257.	291.	314.	300.	254.
PRECIP.	158.	128.	126.	38.	9.	5.	1.	8.	24.	43.	81.	128.	749.
POT ET	63.	54.	54.	46.	40.	36.	37.	44.	52.	62.	66.	64.	618.
DEF PREC	-95.	-74.	-72.	9.	31.	31.	36.	35.	28.	20.	-14.	-64.	-132.
DEF PREC	106.	85.	84.	21.	0.	0.	0.	0.	11.	24.	51.	85.	
MAI	1.69	1.58	1.55	.44	.00	.00	.00	.00	.21	.39	.77	1.32	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICITS FOR PERU

## CHACAPOYAS

LAT 6 13 LON 77 50 2436. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	15.9	15.7	15.6	15.4	15.8	15.2	14.5	15.1	15.2	15.9	16.5	16.2	15.6
MEAN R.H.	98.	97.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.
PCT SUN	14.	15.	13.	14.	13.	14.	14.	13.	14.	15.	14.	14.	14.
MEAN RAD.	261.	275.	253.	243.	212.	209.	215.	225.	252.	269.	267.	260.	245.
PRECIP.	83.	135.	102.	96.	40.	27.	23.	28.	60.	92.	73.	56.	815.
POT ET	63.	59.	60.	56.	51.	47.	49.	53.	57.	64.	63.	63.	686.
DEF PREC	-20.	-76.	-41.	-40.	11.	20.	26.	25.	-2.	-27.	-10.	7.	-128.
DEP PREC	53.	90.	66.	62.	22.	13.	10.	13.	36.	59.	46.	34.	
MAI	.84	1.52	1.10	1.11	.44	.28	.21	.25	.63	.92	.73	.53	

## HUANCABAMBA

LAT 5 27 LON 79 27 1957. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.7	19.3	19.3	19.3	19.4	19.2	19.4	19.4	20.3	19.5	20.1	20.2	19.6
MEAN R.H.	98.	97.	98.	97.	98.	98.	98.	98.	98.	97.	98.	98.	98.
PCT SUN	14.	16.	14.	15.	14.	14.	14.	13.	15.	16.	15.	14.	15.
MEAN RAD.	265.	280.	258.	256.	222.	216.	217.	230.	260.	278.	268.	263.	251.
PRECIP.	83.	71.	75.	29.	16.	22.	5.	2.	7.	25.	14.	32.	381.
POT ET	71.	67.	68.	66.	59.	55.	58.	61.	69.	74.	70.	72.	790.
DEF PREC	-12.	-4.	-7.	37.	43.	33.	53.	59.	62.	49.	56.	40.	409.
DEP PREC	53.	44.	47.	14.	5.	9.	0.	0.	0.	11.	4.	17.	
MAI	.74	.66	.69	.22	.09	.17	.00	.00	.00	.15	.05	.23	

## HUANCAYO

LAT 12 7 LON 75 20 3381. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	12.1	12.0	11.7	11.6	10.2	9.8	9.3	10.2	11.9	12.4	12.7	12.2	11.3
MEAN R.H.	97.	97.	97.	97.	97.	97.	97.	97.	97.	97.	96.	97.	97.
PCT SUN	16.	17.	15.	16.	15.	16.	15.	16.	17.	17.	18.	16.	16.
MEAN RAD.	295.	294.	265.	248.	214.	206.	208.	237.	274.	292.	307.	291.	261.
PRECIP.	136.	126.	116.	51.	22.	8.	5.	11.	40.	71.	69.	93.	749.
POT ET	63.	56.	56.	50.	42.	39.	40.	47.	56.	63.	65.	62.	638.
DEF PREC	-74.	-70.	-60.	-1.	21.	31.	35.	36.	16.	-9.	-4.	-31.	-111.
DEP PREC	91.	83.	76.	30.	9.	0.	0.	2.	22.	45.	43.	60.	
MAI	1.45	1.48	1.37	.60	.22	.00	.00	.04	.40	.71	.66	.97	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICITS FOR PERU

## HUANUCO

LAT 9 54 LON 75 45 1913. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.7	19.3	19.3	19.3	19.4	19.2	19.4	19.4	20.3	19.5	20.1	20.2	19.6
MEAN R.H.	97.	97.	98.	97.	98.	97.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	15.	15.
MEAN RAD.	284.	233.	264.	249.	213.	209.	206.	229.	261.	289.	298.	293.	256.
PRECIP.	90.	69.	60.	26.	21.	5.	5.	10.	16.	46.	44.	52.	434.
POT ET	76.	68.	70.	64.	57.	54.	55.	61.	69.	77.	78.	77.	805.
DEF PREC	-4.	-1.	10.	38.	35.	49.	50.	51.	53.	31.	34.	25.	371.
DEP PREC	51.	43.	36.	12.	9.	0.	0.	1.	5.	26.	25.	31.	
MAI	.67	.63	.52	.19	.15	.00	.00	.01	.07	.34	.32	.40	

## HUMANGA

LAT 13 9 LON 74 13 2762. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	15.7	15.2	14.6	14.9	14.2	12.4	13.0	14.1	15.1	16.0	16.5	16.1	14.8
MEAN R.H.	97.	97.	97.	97.	97.	97.	97.	97.	97.	97.	96.	97.	97.
PCT SUN	16.	17.	15.	16.	15.	16.	15.	16.	17.	17.	18.	16.	16.
MEAN RAD.	296.	294.	265.	246.	211.	203.	205.	235.	273.	292.	308.	293.	260.
PRECIP.	106.	100.	78.	38.	16.	2.	5.	10.	31.	103.	51.	79.	619.
POT ET	71.	63.	61.	55.	48.	42.	45.	53.	62.	70.	73.	71.	714.
DEF PREC	-35.	-38.	-17.	17.	32.	40.	40.	43.	31.	-33.	22.	-8.	95.
DEP PREC	69.	65.	49.	21.	5.	0.	0.	1.	16.	67.	30.	50.	
MAI	.98	1.04	.81	.38	.11	.00	.00	.01	.26	.96	.41	.71	

## JAUJA

LAT 11 47 LON 75 30 3388. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.3	11.1	11.0	11.0	10.4	9.8	9.4	10.0	10.9	11.2	11.8	11.3	10.8
MEAN R.H.	97.	97.	97.	97.	97.	97.	97.	97.	97.	97.	96.	97.	97.
PCT SUN	16.	17.	15.	16.	15.	16.	15.	16.	17.	17.	18.	16.	16.
MEAN RAD.	294.	294.	266.	248.	214.	207.	209.	238.	275.	292.	307.	291.	261.
PRECIP.	107.	109.	101.	42.	11.	6.	2.	3.	19.	53.	54.	85.	592.
POT ET	61.	54.	54.	49.	43.	39.	40.	47.	54.	60.	62.	60.	624.
DEF PREC	-46.	-54.	-46.	7.	31.	34.	38.	44.	35.	7.	8.	-25.	33.
DEP PREC	70.	71.	65.	23.	2.	0.	0.	0.	7.	32.	32.	54.	
MAI	1.15	1.31	1.20	.48	.04	.00	.00	.00	.13	.52	.52	.90	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECITS FOR PERU

IMATA		LAT 15 49 LON 71 4 4407. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	4.5	4.7	4.7	3.7	1.9	1.4	1.6	1.0	2.2	2.7	3.6	4.5	3.1
MEAN R.H.	97.	97.	98.	97.	98.	97.	98.	98.	97.	97.	96.	97.	97.
PCT SUN	16.	16.	15.	16.	14.	15.	14.	14.	15.	17.	18.	16.	16.
MEAN RAD.	303.	288.	259.	238.	193.	187.	190.	214.	254.	293.	313.	305.	253.
PRECIP.	148.	147.	105.	41.	15.	5.	3.	2.	20.	20.	23.	90.	620.
POT ET	48.	41.	41.	35.	27.	24.	26.	28.	35.	42.	46.	48.	441.
DEF PREC	-101.	-106.	-64.	-6.	11.	20.	23.	27.	15.	22.	22.	-42.	-179.
DEP PREC	99.	99.	69.	23.	5.	0.	0.	0.	8.	8.	10.	58.	
MAI	2.09	2.39	1.67	.66	.17	.00	.00	.00	.22	.19	.23	1.21	

IQUITOS		LAT 3 45 LON 73 15 117. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	25.9	26.1	24.6	22.5	20.4	19.3	19.0	19.6	20.1	21.0	22.7	22.2
MEAN R.H.	98.	98.	98.	99.	99.	99.	99.	98.	98.	98.	98.	99.	98.
PCT SUN	13.	14.	12.	11.	11.	11.	11.	12.	13.	12.	13.	11.	12.
MEAN RAD.	250.	262.	240.	220.	202.	197.	200.	223.	241.	242.	245.	224.	229.
PRECIP.	260.	200.	270.	314.	257.	172.	177.	138.	204.	219.	270.	246.	2727.
POT ET	76.	74.	76.	65.	58.	52.	53.	59.	62.	66.	66.	65.	773.
DEF PREC	-184.	-125.	-194.	-249.	-199.	-120.	-124.	-79.	-142.	-153.	-204.	-181.	-1954.
DEP PREC	179.	136.	186.	217.	177.	116.	120.	92.	139.	150.	186.	169.	
MAI	2.34	1.83	2.45	3.35	3.03	2.23	2.26	1.57	2.23	2.28	2.82	2.59	

JUANJU		LAT 7 13 LON 76 43 350. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.4	26.6	26.5	26.4	26.0	25.6	25.6	26.3	26.6	26.7	26.9	27.5	26.5
MEAN R.H.	98.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	98.
PCT SUN	14.	15.	14.	15.	13.	14.	14.	14.	15.	16.	16.	15.	15.
MEAN RAD.	265.	276.	260.	248.	212.	206.	213.	230.	261.	291.	285.	276.	251.
PRECIP.	92.	159.	141.	203.	127.	63.	80.	60.	122.	168.	153.	108.	1475.
POT ET	86.	80.	83.	76.	67.	62.	66.	73.	81.	90.	89.	90.	944.
DEF PREC	-6.	-79.	-58.	-126.	-60.	-1.	-14.	13.	-41.	-78.	-64.	-18.	-532.
DEP PREC	59.	107.	94.	138.	84.	39.	51.	36.	81.	113.	103.	71.	
MAI	.69	1.34	1.13	1.81	1.26	.62	.76	.50	1.00	1.26	1.15	.78	

## JULIACA

LAT 15 29 LON 70 9 3826. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	8.5	8.5	8.9	8.0	6.6	5.8	6.0	6.8	7.7	9.2	9.5	9.3	7.9
MEAN R.H.	96.	96.	97.	97.	98.	97.	98.	98.	97.	97.	96.	97.	97.
PCT SUN	18.	19.	16.	17.	14.	15.	15.	14.	16.	16.	18.	18.	16.
MEAN RAD.	314.	313.	271.	245.	198.	188.	193.	213.	259.	288.	318.	314.	259.
PRECIP.	96.	101.	100.	37.	13.	3.	4.	4.	25.	35.	50.	86.	554.
POT ET	58.	53.	51.	43.	34.	30.	32.	37.	45.	55.	60.	60.	559.
DEF PREC	-38.	-48.	-49.	6.	21.	27.	28.	33.	20.	20.	10.	-26.	5.
DEP PREC	62.	66.	65.	20.	3.	0.	0.	0.	11.	19.	29.	55.	
MAT	1.06	1.25	1.27	.47	.09	.00	.00	.00	.25	.34	.49	.91	

## MOYOBAMBA

LAT 6 2 LON 76 58 860. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	22.1	22.4	22.3	22.4	21.8	22.0	22.6	22.5	22.8	23.3	23.4	22.5
MEAN R.H.	97.	97.	98.	97.	98.	97.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	16.	16.	15.	15.	14.	15.	14.	14.	15.	17.	17.	16.	15.
MEAN RAD.	278.	280.	265.	255.	221.	220.	215.	236.	265.	287.	293.	276.	258.
PRECIP.	148.	149.	174.	185.	154.	76.	78.	79.	140.	180.	142.	96.	1601.
POT ET	81.	72.	76.	71.	64.	60.	61.	68.	74.	84.	84.	81.	878.
DEF PREC	-67.	-77.	-98.	-114.	-90.	-16.	-16.	-11.	-66.	-96.	-58.	-15.	-723.
DEP PREC	99.	100.	118.	125.	103.	48.	49.	50.	93.	122.	95.	62.	
MAT	1.23	1.38	1.54	1.77	1.62	.79	.80	.73	1.26	1.46	1.14	.76	

## PACHACHACA

LAT 11 30 LON 75 55 3632. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.3	11.1	11.0	11.0	10.4	9.8	9.4	10.0	10.9	11.2	11.8	11.3	10.8
MEAN R.H.	97.	97.	97.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	16.	15.
MEAN RAD.	286.	284.	265.	248.	209.	200.	202.	223.	260.	289.	298.	288.	254.
PRECIP.	102.	96.	115.	58.	28.	9.	25.	29.	46.	69.	59.	83.	719.
POT ET	59.	53.	54.	49.	42.	38.	39.	44.	51.	60.	61.	59.	608.
DEF PREC	-43.	-43.	-61.	-9.	14.	29.	14.	15.	5.	-10.	2.	-24.	-111.
DEP PREC	66.	62.	76.	35.	14.	0.	11.	14.	26.	43.	36.	53.	
MAT	1.13	1.18	1.40	.71	.33	.00	.29	.33	.52	.72	.59	.89	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICITS FOR PERU

PARON	LAT 8 59 LON 77 40 4552. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	4.5	4.7	4.7	3.7	1.9	1.4	1.6	1.0	2.2	2.7	3.6	4.5	3.1
MEAN R.H.	97.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	15.	15.	15.	14.	15.	15.	14.	15.	16.	16.	15.	15.
MEAN RAD.	280.	280.	264.	248.	215.	209.	212.	226.	260.	286.	290.	279.	254.
PRECIP.	133.	172.	166.	85.	41.	16.	1.	8.	36.	73.	102.	85.	923.
POT ET	44.	40.	42.	36.	30.	27.	29.	30.	35.	41.	42.	44.	441.
DEF PREC	-94.	-132.	-124.	-49.	-11.	11.	28.	22.	-1.	-32.	-60.	-41.	-482.
DEF PREC	92.	116.	112.	54.	23.	5.	0.	0.	19.	46.	66.	54.	
MAI	2.09	2.89	2.67	1.49	.77	.19	.00	.00	.55	1.10	1.57	1.24	

PUCALLAPA	LAT 8 25 LON 74 37 148. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.6	26.8	26.7	26.4	26.8	26.0	26.0	27.1	27.5	27.3	27.3	27.7	26.9
MEAN R.H.	98.	97.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.
PCT SUN	13.	15.	14.	14.	12.	14.	13.	12.	14.	15.	14.	13.	14.
MEAN RAD.	260.	277.	260.	240.	205.	206.	205.	216.	251.	269.	270.	256.	243.
PRECIP.	142.	166.	190.	190.	148.	102.	36.	74.	109.	190.	229.	132.	1708.
POT ET	85.	80.	83.	74.	66.	63.	65.	70.	79.	88.	85.	84.	921.
DEF PREC	-57.	-86.	-107.	-116.	-82.	-39.	29.	-4.	-30.	-102.	-144.	-48.	-787.
DEF PREC	95.	112.	129.	129.	99.	66.	19.	46.	71.	129.	157.	88.	
MAI	1.12	1.40	1.55	1.75	1.51	1.06	.30	.66	.90	1.47	1.85	1.05	

PUERTO MALDONADO	LAT 12 36 LON 69 12 200. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.8	26.7	26.3	26.5	25.8	25.0	24.2	27.2	28.0	27.2	27.2	26.8	26.5
MEAN R.H.	98.	97.	98.	98.	98.	98.	99.	99.	98.	98.	98.	98.	98.
PCT SUN	14.	15.	13.	13.	12.	12.	11.	11.	14.	13.	15.	13.	13.
MEAN RAD.	272.	279.	250.	226.	189.	180.	178.	198.	246.	257.	279.	265.	235.
PRECIP.	287.	248.	287.	176.	143.	37.	60.	54.	80.	112.	137.	304.	1925.
POT ET	87.	81.	79.	70.	59.	54.	54.	64.	79.	84.	88.	85.	883.
DEF PREC	-200.	-167.	-208.	-106.	-84.	17.	-6.	10.	-1.	-28.	-49.	-219.	-1042.
DEF PREC	198.	170.	198.	119.	96.	20.	36.	32.	51.	73.	91.	1210.	
MAI	2.27	2.11	2.50	1.71	1.61	.38	.68	.50	.64	.88	1.00	2.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICITS FOR PERU

## PUNO

LAT 15 50 LON 70 1 3854. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	8.5	8.5	8.9	8.0	6.6	5.8	6.0	6.8	7.7	9.2	9.5	9.3	7.9
MEAN R.H.	96.	96.	97.	97.	98.	97.	98.	98.	97.	97.	96.	97.	97.
PCT SUN	18.	19.	16.	17.	14.	15.	15.	14.	16.	16.	18.	17.	16.
MEAN RAD.	314.	313.	271.	244.	197.	187.	192.	212.	258.	288.	318.	315.	259.
PRECIP.	135.	138.	109.	40.	9.	6.	5.	6.	24.	37.	27.	88.	625.
POT ET	58.	53.	51.	43.	34.	30.	32.	37.	45.	55.	60.	60.	559.
DEF PREC	-77.	-85.	-58.	3.	25.	24.	27.	30.	22.	18.	32.	-27.	-66.
DEP PREC	90.	92.	72.	22.	0.	0.	0.	0.	11.	20.	13.	56.	
MAI	1.54	1.74	1.40	.51	.01	.00	.00	.00	.23	.37	.22	.93	

## QUINCENIL

LAT 13 16 LON 70 40 620. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	22.1	22.4	22.3	22.4	21.8	22.0	22.6	22.5	22.8	23.3	23.4	22.5
MEAN R.H.	98.	97.	98.	98.	98.	98.	99.	99.	98.	98.	98.	98.	98.
PCT SUN	14.	15.	13.	13.	12.	12.	11.	11.	14.	13.	15.	13.	13.
MEAN RAD.	273.	279.	249.	224.	187.	179.	176.	197.	245.	257.	280.	265.	234.
PRECIP.	739.	301.	472.	480.	406.	424.	326.	240.	252.	529.	531.	668.	5368.
POT ET	80.	72.	72.	62.	54.	49.	50.	57.	69.	75.	80.	78.	799.
DEF PREC	-659.	-229.	-400.	-418.	-352.	-375.	-276.	-183.	-183.	-454.	-451.	-590.	-4569.
DEP PREC	520.	208.	330.	336.	283.	296.	226.	165.	173.	370.	372.	469.	
MAI	6.54	2.88	4.59	5.37	5.24	6.02	4.49	2.88	2.52	4.94	4.66	5.98	

## SAN RAMON

LAT 11 6 LON 75 18 800. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	22.1	22.4	22.3	22.4	21.8	22.0	22.6	22.5	22.8	23.3	23.4	22.5
MEAN R.H.	97.	97.	97.	97.	98.	98.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	16.	15.
MEAN RAD.	285.	284.	265.	249.	210.	201.	203.	224.	260.	289.	298.	287.	255.
PRECIP.	242.	244.	243.	204.	120.	54.	71.	116.	128.	166.	124.	219.	1931.
POT ET	83.	73.	77.	69.	60.	55.	58.	65.	73.	84.	85.	85.	868.
DEF PREC	-159.	-171.	-167.	-135.	-59.	1.	-13.	-51.	-55.	-82.	-39.	-134.	-1064.
DEP PREC	166.	168.	167.	139.	79.	32.	44.	76.	85.	112.	82.	150.	
MAI	2.00	2.28	2.18	2.01	1.31	.58	.77	1.17	1.17	1.33	.97	1.76	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECITS FOR PERU

TARAPOTO

LAT 6 32 LON 76 19 426. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.4	26.6	26.5	26.4	26.0	25.6	25.6	26.3	26.6	26.7	26.9	27.5	26.5
MEAN R.H.	98.	97.	98.	97.	98.	98.	98.	98.	97.	97.	97.	97.	98.
PCT SUN	14.	15.	14.	15.	13.	14.	14.	14.	15.	16.	16.	15.	15.
MEAN RAD.	264.	275.	260.	249.	213.	208.	214.	231.	262.	281.	284.	274.	251.
PRECIP.	92.	117.	147.	133.	123.	64.	55.	49.	94.	136.	95.	53.	1158.
POT ET	86.	80.	83.	77.	67.	63.	67.	73.	81.	90.	89.	90.	945.
DEF PREC	-6.	-38.	-64.	-56.	-56.	-1.	12.	24.	-13.	-46.	-6.	37.	-213.
DEP PREC	59.	77.	98.	89.	81.	39.	33.	29.	61.	90.	61.	32.	
MAI	.69	.97	1.19	1.15	1.21	.63	.49	.39	.75	1.01	.69	.35	

TICAMPA

LAT 9 45 LON 77 27 3561. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	11.3	11.1	11.0	11.0	10.4	9.8	9.4	10.0	10.9	11.2	11.8	11.3	10.8
MEAN R.H.	97.	97.	98.	97.	98.	97.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	15.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	15.	15.
MEAN RAD.	283.	283.	264.	249.	213.	210.	206.	229.	261.	239.	298.	283.	256.
PRECIP.	151.	128.	135.	96.	23.	4.	1.	7.	31.	60.	57.	81.	774.
POT ET	59.	52.	54.	49.	43.	40.	40.	45.	52.	60.	61.	58.	611.
DEF PREC	-92.	-76.	-81.	-47.	19.	36.	39.	38.	21.	-0.	4.	-23.	-163.
DEP PREC	101.	85.	90.	62.	10.	0.	0.	0.	16.	36.	34.	51.	
MAI	1.73	1.62	1.66	1.26	.24	.00	.00	.00	.31	.61	.57	.88	

TINGO MARIA

LAT 9 8 LON 75 57 685. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	22.1	22.4	22.3	22.4	21.8	22.0	22.6	22.5	22.8	23.3	23.4	22.5
MEAN R.H.	97.	97.	98.	97.	98.	97.	98.	98.	97.	97.	97.	97.	97.
PCT SUN	16.	16.	15.	16.	14.	15.	14.	14.	15.	17.	17.	15.	15.
MEAN RAD.	283.	283.	264.	250.	214.	212.	208.	230.	262.	289.	297.	292.	256.
PRECIP.	424.	403.	469.	351.	217.	175.	157.	112.	184.	341.	289.	289.	3411.
POT ET	82.	73.	76.	70.	62.	58.	59.	67.	73.	84.	85.	83.	873.
DEF PREC	-342.	-330.	-393.	-282.	-155.	-117.	-97.	-45.	-110.	-257.	-204.	-206.	-2538.
DEP PREC	296.	281.	328.	244.	148.	119.	105.	73.	124.	236.	199.	200.	
MAI	3.59	3.84	4.31	3.50	2.39	2.04	1.77	1.10	1.70	2.81	2.35	2.40	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICITS FOR PERU

VITOR	LAT 16 27 LON 71 48 1553. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.1	17.7	18.3	17.7	18.0	17.8	17.5	17.8	18.1	17.7	17.4	17.5	17.7
MEAN R.H.	96.	96.	97.	97.	97.	97.	97.	97.	96.	96.	96.	97.	97.
PCT SUN	18.	18.	17.	17.	15.	15.	15.	16.	18.	18.	19.	17.	17.
MEAN RAD.	319.	310.	278.	248.	201.	186.	192.	227.	275.	304.	323.	312.	265.
PRECIP.	8.	8.	2.	1.	1.	1.	0.	0.	1.	1.	0.	1.	22.
POT ET	79.	71.	72.	61.	51.	46.	48.	58.	68.	77.	79.	79.	789.
DEF PREC	72.	63.	70.	60.	51.	45.	48.	57.	68.	77.	78.	77.	766.
DEP PREC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
MAI	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	

YURIMAGUAS	LAT 5 54 LON 76 5 179. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	25.9	26.1	24.6	22.5	20.4	19.3	19.0	19.6	20.1	21.0	22.7	22.2
MEAN R.H.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.
PCT SUN	13.	14.	13.	13.	12.	13.	12.	12.	14.	13.	13.	12.	13.
MEAN RAD.	253.	267.	245.	231.	210.	201.	205.	220.	250.	256.	252.	241.	236.
PRECIP.	206.	198.	220.	223.	194.	110.	79.	93.	150.	190.	175.	164.	2002.
POT ET	77.	76.	78.	68.	61.	53.	54.	58.	65.	70.	68.	70.	797.
DEF PREC	-129.	-122.	-142.	-155.	-133.	-57.	-25.	-35.	-85.	-120.	-107.	-94.	-1205.
DEP PREC	140.	135.	150.	153.	132.	72.	50.	60.	101.	129.	118.	111.	
MAI	1.81	1.78	1.94	2.24	2.17	1.35	.92	1.04	1.56	1.86	1.75	1.58	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PUERTO RICO

ADJUNTAS		LAT 18 11 LON 66 44 458. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	25.3	26.4	26.9	26.4	25.3	25.8	25.3	24.7	24.7	24.2	24.2	25.3
PCT SUN	68.	71.	74.	75.	60.	70.	71.	64.	66.	70.	70.	73.	69.
MEAN RAD.	420.	480.	550.	600.	550.	600.	600.	560.	540.	500.	440.	420.	522.
PRECIP.	81.	64.	87.	155.	234.	178.	203.	272.	302.	285.	184.	100.	2145.
POT ET	128.	134.	175.	187.	175.	180.	188.	173.	160.	153.	128.	127.	1908.
DEF PREC	47.	70.	88.	32.	-59.	1.	-15.	-99.	-142.	-132.	-55.	26.	-237.
DEF PREC	45.	31.	50.	107.	174.	127.	148.	206.	231.	216.	131.	61.	
MAI	0.35	0.23	0.28	0.57	0.99	0.71	0.78	1.19	1.44	1.42	1.02	0.48	

AGUIRRE		LAT 17 58 LON 66 13 15. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	24.9	25.3	26.1	26.9	27.6	27.9	28.1	27.9	27.7	26.9	25.8	26.7
PCT SUN	67.	71.	74.	75.	60.	70.	71.	64.	66.	70.	69.	73.	69.
MEAN RAD.	420.	480.	550.	600.	550.	600.	600.	560.	540.	500.	440.	420.	522.
PRECIP.	34.	36.	29.	53.	109.	119.	108.	125.	154.	153.	107.	50.	1076.
POT ET	129.	133.	171.	184.	177.	190.	198.	185.	172.	164.	137.	132.	1972.
DEF PREC	96.	97.	142.	131.	67.	71.	90.	60.	18.	11.	30.	82.	896.
DEF PREC	5.	7.	1.	21.	69.	77.	67.	82.	107.	106.	67.	19.	
MAI	0.04	0.05	0.01	0.12	0.39	0.40	0.34	0.44	0.62	0.64	0.49	0.14	

CAGUAS		LAT 18 14 LON 66 2 76. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	22.8	23.4	24.5	25.8	26.4	26.4	26.6	26.4	26.0	25.0	23.5	25.0
PCT SUN	68.	71.	74.	75.	60.	70.	70.	64.	66.	70.	70.	73.	69.
MEAN RAD.	420.	480.	550.	600.	550.	600.	600.	560.	540.	500.	440.	420.	522.
PRECIP.	94.	63.	61.	94.	149.	155.	166.	174.	188.	172.	156.	114.	1587.
POT ET	122.	126.	163.	177.	173.	185.	191.	179.	166.	158.	131.	125.	1895.
DEF PREC	28.	63.	102.	83.	24.	30.	26.	5.	-22.	-15.	-25.	10.	307.
DEF PREC	56.	30.	28.	56.	102.	107.	116.	123.	135.	122.	108.	73.	
MAI	0.46	0.24	0.17	0.32	0.59	0.58	0.61	0.69	0.81	0.77	0.83	0.59	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PUERTO RICO

FAJARDO

LAT 18 20 LON 65 39

12. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.5	24.9	25.7	26.7	27.3	27.6	27.8	27.5	27.1	26.3	25.3	26.3
PCT SUN	68.	72.	74.	76.	60.	70.	70.	64.	66.	70.	70.	74.	69.
MEAN RAD.	420.	480.	550.	600.	550.	600.	600.	560.	540.	500.	440.	420.	522.
PRECIP.	91.	72.	69.	100.	171.	141.	148.	157.	192.	207.	187.	117.	1651.
POT ET	128.	132.	169.	182.	176.	189.	197.	184.	171.	161.	135.	130.	1954.
DEF PREC	37.	59.	100.	82.	5.	48.	49.	27.	-21.	-46.	-52.	14.	303.
DEP PREC	53.	38.	35.	61.	121.	95.	101.	109.	138.	151.	134.	75.	
MAT	0.42	0.29	0.21	0.34	0.69	0.50	0.51	0.59	0.81	0.93	0.99	0.58	

MAYAGUEZ

LAT 18 13 LON 67 8

24. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.7	23.9	24.6	25.5	26.1	26.1	26.3	26.4	26.1	25.2	24.4	25.2
PCT SUN	68.	71.	74.	75.	60.	70.	70.	64.	66.	70.	70.	73.	69.
MEAN RAD.	420.	480.	550.	600.	550.	600.	600.	560.	540.	500.	440.	420.	522.
PRECIP.	50.	49.	88.	129.	209.	220.	261.	272.	276.	233.	151.	69.	2005.
POT ET	125.	129.	165.	177.	171.	184.	190.	178.	166.	158.	132.	127.	1902.
DEF PREC	75.	81.	77.	48.	-37.	-37.	-71.	-94.	-110.	-75.	-19.	58.	-103.
DEP PREC	19.	18.	51.	86.	152.	162.	196.	205.	209.	172.	104.	35.	
MAT	0.15	0.14	0.31	0.48	0.89	0.88	1.03	1.15	1.26	1.09	0.79	0.28	

PONCE

LAT 18 0 LON 66 37

12. METERS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.3	24.6	25.4	26.4	27.1	27.3	27.6	27.4	27.0	26.2	25.2	26.1
PCT SUN	68.	71.	74.	75.	60.	70.	71.	64.	66.	70.	69.	73.	69.
MEAN RAD.	420.	480.	550.	600.	550.	600.	600.	560.	540.	500.	440.	420.	522.
PRECIP.	25.	27.	26.	55.	95.	86.	69.	111.	138.	145.	99.	32.	908.
POT ET	127.	131.	168.	181.	175.	188.	195.	183.	170.	161.	135.	130.	1945.
DEF PREC	102.	104.	142.	126.	80.	102.	126.	72.	32.	16.	36.	98.	1036.
DEP PREC	0.	0.	0.	23.	57.	50.	35.	70.	93.	99.	60.	4.	
MAT	0.00	0.00	0.00	0.13	0.33	0.26	0.18	0.38	0.55	0.61	0.45	0.03	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR PUERTO RICO

SAN JUAN	LAT 18 28 LON 66 7 14. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	23.9	24.2	24.9	26.0	26.6	26.7	27.0	27.0	26.7	25.8	24.7	25.6
PCT SUN	69.	72.	74.	76.	60.	70.	70.	64.	66.	71.	70.	74.	70.
MEAN RAD.	420.	480.	550.	600.	550.	600.	600.	560.	540.	500.	440.	420.	522.
PRECIP.	106.	69.	65.	101.	158.	139.	150.	158.	155.	138.	162.	131.	1531.
POT ET	126.	130.	166.	178.	173.	185.	192.	181.	169.	160.	134.	128.	1922.
DEF PREC	20.	61.	101.	77.	15.	46.	42.	23.	14.	22.	-28.	-2.	391.
DEF PREC	66.	35.	32.	62.	110.	94.	103.	109.	107.	93.	113.	87.	
MAI	0.52	0.27	0.19	0.35	0.64	0.51	0.54	0.61	0.64	0.58	0.85	0.68	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

ALBINA	LAT 5 29 LON 54 4 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	86.	88.	88.	90.	84.	75.	72.	62.	62.	75.	90.	80.
PCT SUN	44.	48.	44.	43.	40.	51.	63.	67.	78.	78.	63.	40.	55.
MEAN RAD.	363.	406.	390.	428.	378.	407.	465.	517.	550.	560.	456.	337.	438.
PRECIP.	211.	177.	235.	280.	370.	279.	212.	137.	76.	62.	109.	230.	2378.
POT ET	144.	137.	145.	132.	122.	126.	149.	167.	189.	201.	172.	138.	1821.
DEF PREC	-67.	-40.	-90.	-148.	-248.	-153.	-63.	30.	113.	139.	63.	-92.	-557.
DEP PREC	150.	123.	168.	203.	272.	202.	150.	92.	45.	34.	71.	164.	
MAI	1.04	0.90	1.16	1.53	2.24	1.60	1.71	0.55	0.24	0.17	0.41	1.19	

ALLIANCE	LAT 5 54 LON 54 51 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	85.	84.	86.	90.	84.	75.	72.	62.	63.	74.	86.	79.
PCT SUN	44.	49.	51.	48.	41.	50.	63.	57.	78.	78.	65.	47.	57.
MEAN RAD.	364.	411.	424.	449.	381.	403.	462.	513.	548.	559.	464.	378.	446.
PRECIP.	211.	174.	175.	251.	356.	299.	233.	154.	63.	57.	78.	195.	2236.
POT ET	144.	138.	155.	139.	123.	125.	148.	166.	189.	200.	174.	159.	1853.
DEF PREC	-67.	-36.	-20.	-112.	-233.	-174.	-85.	12.	126.	144.	96.	-34.	-383.
DEP PREC	150.	121.	122.	180.	262.	218.	166.	105.	35.	30.	47.	129.	
MAI	1.04	0.88	0.78	1.30	2.13	1.74	1.12	0.63	0.19	0.15	0.27	0.86	

APOERA	LAT 5 10 LON 57 9 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	86.	83.	84.	89.	89.	85.	76.	74.	64.	65.	74.	83.	79.
PCT SUN	47.	52.	51.	43.	42.	49.	62.	65.	76.	75.	65.	52.	57.
MEAN RAD.	377.	428.	421.	427.	391.	402.	461.	509.	540.	547.	461.	400.	447.
PRECIP.	190.	129.	162.	208.	330.	307.	260.	191.	70.	67.	94.	152.	2150.
POT ET	148.	143.	154.	132.	126.	125.	148.	165.	186.	197.	173.	158.	1855.
DEF PREC	-42.	14.	-8.	-76.	-204.	-182.	-112.	-26.	116.	130.	89.	6.	-296.
DEP PREC	133.	86.	112.	147.	241.	224.	187.	134.	41.	38.	51.	104.	
MAI	0.90	0.60	0.72	1.12	1.92	1.80	1.27	0.81	0.22	0.19	0.30	0.66	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

BENZDORP		LAT 3 41		LON 54 5		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	90.	90.	90.	92.	89.	85.	76.	73.	62.	62.	73.	86.	81.
PCT SUN	40.	41.	41.	36.	42.	49.	62.	66.	79.	79.	66.	48.	54.
MEAN RAD.	334.	365.	371.	392.	398.	412.	471.	520.	553.	558.	459.	369.	434.
PRECIP.	245.	220.	222.	295.	344.	259.	186.	141.	70.	53.	77.	195.	2307.
POT ET	135.	125.	138.	121.	128.	128.	151.	168.	190.	200.	173.	148.	1806.
DEF PREC	-110.	-95.	-84.	-174.	-216.	-131.	-35.	27.	120.	147.	96.	-47.	-501.
DEP PREC	175.	156.	159.	214.	252.	187.	130.	95.	41.	27.	46.	137.	
MAI	1.31	1.25	1.14	1.77	1.97	1.46	0.86	0.57	0.21	0.14	0.27	0.93	

BERLIJN		LAT 5 53		LON 54 59		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	85.	84.	83.	83.	89.	84.	75.	72.	62.	63.	74.	85.	78.
PCT SUN	49.	51.	53.	52.	43.	51.	63.	67.	78.	77.	64.	50.	58.
MEAN RAD.	387.	423.	432.	468.	391.	405.	462.	513.	548.	557.	462.	391.	453.
PRECIP.	179.	152.	161.	212.	334.	290.	237.	157.	61.	66.	88.	168.	2105.
POT ET	151.	141.	158.	145.	126.	125.	148.	166.	189.	200.	174.	155.	1878.
DEF PREC	-28.	-11.	-3.	-67.	-208.	-165.	-89.	9.	128.	134.	86.	-13.	-227.
DEP PREC	125.	104.	111.	150.	245.	211.	170.	108.	34.	37.	54.	116.	
MAI	0.82	0.73	0.70	1.04	1.94	1.68	1.15	0.65	0.18	0.19	0.31	0.75	

BROWNSWEG		LAT 5 1		LON 55 10		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	90.	87.	87.	90.	91.	86.	76.	73.	63.	63.	75.	88.	81.
PCT SUN	40.	46.	46.	40.	39.	48.	62.	66.	77.	77.	63.	44.	54.
MEAN RAD.	340.	397.	397.	412.	375.	398.	461.	512.	545.	556.	454.	355.	434.
PRECIP.	238.	185.	217.	274.	374.	333.	260.	178.	85.	59.	115.	207.	2525.
POT ET	137.	134.	147.	127.	121.	123.	148.	166.	188.	199.	171.	143.	1805.
DEF PREC	-101.	-51.	-70.	-147.	-253.	-210.	-112.	-12.	103.	141.	56.	-64.	-720.
DEP PREC	170.	129.	154.	198.	275.	244.	197.	124.	52.	32.	75.	146.	
MAI	1.25	0.96	1.05	1.56	2.27	1.98	1.27	0.75	0.28	0.16	0.44	1.02	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR SURINAM

CARELFRANCOIS				LAT 5 50 LON 55 46				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	86.	82.	81.	84.	87.	84.	75.	72.	63.	64.	75.	86.	78.
PCT SUN	48.	54.	55.	51.	46.	51.	63.	67.	77.	76.	64.	48.	58.
MEAN RAD.	393.	437.	441.	465.	404.	407.	462.	514.	543.	553.	461.	383.	454.
PRECIP.	185.	123.	139.	196.	301.	279.	235.	153.	76.	71.	92.	178.	2027.
POT ET	150.	145.	161.	144.	130.	126.	148.	166.	187.	198.	173.	152.	1892.
DEF PREC	-35.	23.	23.	-52.	-171.	-153.	-87.	13.	111.	127.	81.	-26.	-145.
DEP PREC	129.	81.	93.	138.	219.	202.	168.	105.	45.	41.	57.	124.	
MAI	0.86	0.56	0.58	0.96	1.68	1.60	1.13	0.63	0.24	0.21	0.33	0.82	

DAM				LAT 4 38 LON 54 56				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	90.	86.	89.	89.	90.	86.	76.	76.	62.	63.	74.	85.	80.
PCT SUN	41.	48.	44.	42.	41.	48.	62.	62.	78.	78.	65.	49.	55.
MEAN RAD.	342.	404.	390.	426.	387.	400.	465.	498.	550.	557.	461.	392.	439.
PRECIP.	237.	166.	213.	261.	354.	323.	227.	269.	61.	56.	77.	178.	2421.
POT ET	137.	136.	144.	132.	125.	124.	149.	161.	190.	200.	174.	152.	1823.
DEF PREC	-100.	-30.	-69.	-129.	-229.	-199.	-78.	-107.	129.	144.	97.	-26.	-598.
DEP PREC	170.	115.	151.	188.	260.	236.	162.	194.	34.	30.	46.	124.	
MAI	1.24	0.84	1.05	1.43	2.08	1.91	1.09	1.20	0.19	0.15	0.26	0.82	

DEJONGNOORD				LAT 5 8 LON 55 15				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	87.	84.	84.	88.	89.	85.	76.	72.	63.	63.	75.	86.	79.
PCT SUN	46.	51.	51.	43.	43.	49.	63.	67.	77.	77.	64.	48.	57.
MEAN RAD.	371.	422.	422.	430.	396.	401.	464.	516.	546.	555.	457.	378.	447.
PRECIP.	198.	141.	173.	245.	328.	315.	233.	147.	74.	61.	101.	180.	2196.
POT ET	146.	141.	155.	133.	128.	124.	149.	167.	188.	199.	172.	151.	1853.
DEF PREC	-52.	0.	-19.	-112.	-200.	-191.	-84.	20.	114.	138.	71.	-30.	-343.
DEP PREC	140.	95.	120.	176.	240.	230.	166.	100.	44.	34.	65.	126.	
MAI	0.95	0.68	0.78	1.32	1.88	1.85	1.12	0.60	0.23	0.17	0.37	0.83	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

DOMBURG		LAT 5 42		LON 55 5		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	87.	83.	83.	86.	83.	84.	75.	73.	63.	64.	75.	86.	79.
PCT SUN	47.	52.	53.	48.	44.	51.	63.	67.	77.	77.	64.	47.	57.
MEAN RAD.	377.	429.	433.	449.	396.	407.	464.	513.	544.	554.	461.	378.	450.
PRECIP.	193.	137.	154.	223.	323.	277.	220.	161.	85.	75.	93.	184.	2125.
POT ET	148.	143.	158.	139.	128.	126.	149.	166.	188.	199.	173.	150.	1867.
DEF PREC	-45.	6.	4.	-84.	-195.	-151.	-71.	5.	103.	124.	80.	-33.	-258.
DEP PREC	136.	92.	105.	159.	236.	201.	156.	111.	52.	44.	58.	129.	
MAI	0.92	0.64	0.67	1.14	1.85	1.59	1.05	0.67	0.28	0.22	0.34	0.85	

GALIBI		LAT 5 45		LON 53 59		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	89.	86.	85.	85.	92.	84.	74.	70.	60.	61.	74.	88.	79.
PCT SUN	43.	47.	48.	49.	36.	51.	65.	69.	80.	80.	65.	44.	56.
MEAN RAD.	356.	402.	411.	456.	361.	408.	469.	522.	556.	566.	464.	359.	444.
PRECIP.	221.	189.	205.	255.	404.	271.	170.	97.	30.	34.	79.	207.	2162.
POT ET	142.	135.	151.	141.	116.	126.	150.	169.	191.	203.	174.	144.	1844.
DEF PREC	-79.	-54.	-54.	-114.	-288.	-145.	-20.	72.	161.	169.	95.	-63.	-318.
DEP PREC	157.	132.	145.	184.	299.	196.	113.	61.	10.	13.	47.	146.	
MAI	1.11	0.98	0.96	1.30	2.57	1.55	0.78	0.36	0.05	0.06	0.27	1.01	

GEYERSVLIJT		LAT 5 50		LON 55 8		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	86.	84.	83.	85.	89.	84.	75.	72.	63.	64.	75.	85.	79.
PCT SUN	48.	51.	52.	49.	43.	50.	63.	67.	77.	76.	64.	50.	57.
MEAN RAD.	384.	423.	429.	453.	391.	403.	463.	513.	544.	552.	459.	399.	450.
PRECIP.	184.	150.	160.	218.	333.	301.	223.	159.	87.	85.	100.	170.	2170.
POT ET	150.	142.	157.	140.	126.	125.	148.	166.	187.	198.	173.	154.	1867.
DEF PREC	-34.	-9.	-3.	-78.	-207.	-176.	-75.	7.	100.	113.	73.	-16.	-303.
DEP PREC	129.	102.	110.	155.	244.	219.	159.	109.	54.	52.	64.	118.	
MAI	0.86	0.72	0.70	1.10	1.93	1.76	1.07	0.65	0.29	0.26	0.37	0.75	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

GRONINGEN				LAT 5 48 LON 55 28				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	85.	83.	86.	87.	84.	75.	72.	63.	64.	75.	86.	79.
PCT SUN	43.	49.	52.	48.	45.	51.	64.	67.	77.	76.	64.	47.	57.
MEAN RAD.	359.	415.	429.	449.	401.	407.	463.	514.	544.	553.	461.	376.	448.
PRECIP.	217.	166.	160.	225.	308.	276.	221.	152.	79.	75.	93.	187.	2159.
POT ET	143.	139.	157.	139.	129.	126.	149.	166.	187.	199.	173.	150.	1857.
DEF PREC	-74.	-27.	-3.	-86.	-179.	-150.	-72.	15.	109.	124.	80.	-37.	-302.
DEP PREC	154.	115.	110.	160.	225.	200.	157.	104.	47.	44.	58.	131.	
MAI	1.08	0.83	0.70	1.15	1.73	1.58	1.06	0.62	0.25	0.22	0.34	0.87	

GROOT CHATILLON				LAT 5 34 LON 55 1				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	84.	83.	87.	88.	84.	75.	73.	63.	63.	74.	86.	79.
PCT SUN	43.	51.	52.	47.	43.	50.	63.	66.	77.	77.	64.	48.	57.
MEAN RAD.	359.	421.	428.	444.	394.	405.	463.	509.	544.	556.	462.	379.	447.
PRECIP.	216.	149.	162.	230.	329.	290.	234.	184.	90.	67.	86.	131.	2218.
POT ET	143.	141.	156.	137.	127.	125.	148.	165.	188.	199.	174.	151.	1855.
DEF PREC	-73.	-8.	-5.	-93.	-202.	-165.	-86.	-19.	98.	132.	88.	-30.	-363.
DEP PREC	153.	102.	112.	164.	241.	211.	167.	129.	56.	38.	53.	126.	
MAI	1.07	0.72	0.71	1.20	1.89	1.68	1.13	0.78	0.30	0.19	0.31	0.84	

HAMILTON				LAT 5 51 LON 56 11				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	85.	81.	80.	83.	80.	82.	74.	71.	62.	63.	74.	82.	77.
PCT SUN	49.	55.	56.	52.	57.	54.	64.	68.	79.	77.	65.	53.	61.
MEAN RAD.	388.	443.	447.	467.	453.	419.	466.	519.	547.	557.	454.	407.	465.
PRECIP.	178.	111.	120.	170.	179.	205.	195.	119.	41.	45.	79.	147.	1588.
POT ET	152.	147.	163.	144.	146.	130.	149.	168.	189.	200.	174.	160.	1921.
DEF PREC	-27.	36.	43.	-25.	-33.	-75.	-46.	49.	148.	155.	96.	13.	333.
DEP PREC	124.	72.	79.	118.	125.	145.	137.	78.	18.	21.	47.	100.	
MAI	0.82	0.49	0.49	0.82	0.85	1.12	0.92	0.47	0.10	0.11	0.27	0.63	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

KABEL	LAT 4 55 LON 55 4 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	89.	85.	86.	88.	88.	85.	76.	73.	64.	63.	75.	87.	80.
PCT SUN	42.	49.	48.	44.	43.	49.	62.	67.	77.	77.	64.	46.	55.
MEAN RAD.	347.	408.	407.	432.	397.	402.	464.	516.	544.	555.	455.	365.	441.
PRECIP.	232.	163.	178.	236.	329.	309.	232.	152.	97.	62.	108.	201.	2299.
POT ET	139.	137.	150.	134.	128.	125.	149.	167.	188.	199.	172.	146.	1833.
DEF PREC	-93.	-26.	-28.	-102.	-201.	-185.	-83.	15.	90.	137.	64.	-54.	-466.
DEP PREC	166.	112.	124.	169.	241.	225.	166.	104.	61.	34.	70.	142.	
MAI	1.19	0.82	0.83	1.26	1.88	1.81	1.11	0.62	0.33	0.17	0.41	0.97	

KWAKDEGRON	LAT 5 14 LON 55 21 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	85.	85.	89.	88.	85.	76.	72.	63.	64.	75.	87.	80.
PCT SUN	44.	49.	50.	42.	44.	50.	63.	67.	77.	76.	64.	46.	56.
MEAN RAD.	362.	413.	416.	421.	401.	404.	464.	516.	545.	552.	458.	367.	443.
PRECIP.	211.	159.	184.	263.	315.	297.	225.	145.	70.	75.	100.	194.	2238.
POT ET	143.	139.	153.	130.	129.	125.	149.	167.	188.	198.	172.	147.	1842.
DEF PREC	-69.	-20.	-31.	-133.	-186.	-172.	-76.	22.	118.	123.	72.	-47.	-396.
DEP PREC	150.	109.	129.	190.	230.	216.	160.	99.	41.	44.	64.	136.	
MAI	1.04	0.79	0.84	1.45	1.78	1.73	1.08	0.59	0.22	0.22	0.37	0.93	

LELYDORP	LAT 5 43 LON 55 12 0. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	87.	84.	83.	87.	89.	85.	75.	73.	63.	63.	75.	86.	79.
PCT SUN	46.	51.	53.	46.	43.	50.	63.	66.	77.	77.	64.	48.	57.
MEAN RAD.	372.	421.	431.	439.	391.	403.	463.	509.	545.	555.	459.	380.	447.
PRECIP.	199.	152.	156.	242.	333.	302.	222.	183.	79.	68.	99.	191.	2221.
POT ET	147.	141.	158.	136.	126.	125.	149.	165.	188.	199.	173.	151.	1856.
DEF PREC	-52.	-11.	2.	-106.	-207.	-177.	-73.	-23.	109.	131.	74.	-30.	-365.
DEP PREC	140.	104.	107.	174.	244.	220.	158.	132.	47.	39.	63.	126.	
MAI	0.96	0.74	0.68	1.28	1.93	1.76	1.06	0.80	0.25	0.20	0.36	0.84	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

MARIENBURG		LAT 5 53		LON 55 2		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	86.	84.	83.	86.	89.	84.	75.	72.	62.	63.	75.	85.	79.
PCT SUN	48.	51.	52.	48.	43.	51.	63.	67.	78.	77.	64.	49.	57.
MEAN RAD.	383.	422.	426.	450.	394.	404.	461.	513.	547.	556.	461.	386.	450.
PRECIP.	185.	153.	165.	225.	327.	291.	242.	159.	67.	70.	94.	174.	2152.
POT ET	150.	141.	156.	139.	127.	125.	148.	166.	188.	199.	173.	153.	1867.
DEF PREC	-35.	-12.	-9.	-86.	-200.	-166.	-94.	7.	121.	129.	79.	-21.	-285.
DEP PREC	129.	105.	114.	160.	239.	211.	174.	109.	38.	41.	59.	121.	
MAI	0.86	0.74	0.73	1.15	1.88	1.69	1.17	0.66	0.20	0.20	0.34	0.79	

MOENGO		LAT 5 36		LON 54 24		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	91.	86.	85.	88.	91.	85.	75.	73.	63.	63.	76.	89.	80.
PCT SUN	39.	48.	49.	45.	39.	50.	63.	66.	77.	77.	63.	42.	55.
MEAN RAD.	333.	406.	413.	436.	374.	403.	463.	513.	546.	556.	455.	349.	437.
PRECIP.	250.	179.	195.	268.	375.	298.	228.	163.	94.	77.	118.	218.	2463.
POT ET	135.	137.	152.	135.	121.	125.	148.	166.	188.	200.	171.	141.	1818.
DEF PREC	-115.	-42.	-43.	-133.	-254.	-173.	-80.	3.	94.	123.	53.	-77.	-645.
DEP PREC	180.	125.	137.	194.	276.	217.	163.	112.	59.	46.	78.	155.	
MAI	1.34	0.91	0.90	1.44	2.29	1.73	1.10	0.68	0.31	0.23	0.45	1.10	

MORGENSTOND		LAT 5 50		LON 55 7		0. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	85.	84.	83.	85.	87.	84.	75.	73.	63.	64.	75.	85.	79.
PCT SUN	48.	51.	52.	49.	45.	50.	63.	66.	77.	76.	64.	49.	58.
MEAN RAD.	387.	423.	429.	455.	402.	402.	462.	511.	544.	553.	460.	389.	451.
PRECIP.	180.	150.	161.	215.	309.	303.	232.	169.	83.	79.	96.	171.	2148.
POT ET	151.	142.	157.	141.	130.	125.	148.	166.	188.	199.	173.	154.	1871.
DEF PREC	-29.	-9.	-4.	-74.	-180.	-178.	-84.	-3.	105.	120.	77.	-17.	-277.
DEP PREC	126.	102.	111.	153.	225.	221.	166.	117.	51.	47.	61.	119.	
MAI	0.83	0.72	0.71	1.08	1.74	1.77	1.12	0.71	0.27	0.24	0.35	0.77	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

NIEUW AMSTERDAM				LAT 5 52 LON 55 4				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	87.	83.	83.	85.	89.	84.	75.	72.	62.	63.	75.	85.	79.
PCT SUN	46.	52.	53.	49.	42.	50.	63.	67.	78.	77.	64.	49.	58.
MEAN RAD.	375.	426.	433.	452.	390.	404.	463.	513.	547.	555.	461.	388.	451.
PRECIP.	196.	145.	153.	221.	336.	296.	224.	159.	65.	71.	94.	172.	2132.
POT ET	148.	142.	153.	140.	126.	125.	148.	166.	189.	199.	173.	154.	1868.
DEF PREC	-49.	-3.	5.	-81.	-210.	-171.	-76.	7.	124.	128.	79.	-18.	-264.
DEP PREC	138.	99.	105.	157.	246.	215.	160.	109.	37.	41.	59.	119.	
MAI	0.94	0.59	0.66	1.12	1.96	1.72	1.08	0.66	0.19	0.21	0.34	0.78	

NIEUW NICKERIE				LAT 5 57 LON 56 57				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.4	26.6	26.9	27.2	27.1	27.0	27.2	27.8	28.3	28.2	27.8	26.9	27.3
MEAN R.H.	86.	81.	80.	85.	84.	85.	76.	73.	64.	65.	74.	85.	78.
PCT SUN	47.	55.	57.	50.	50.	50.	62.	66.	76.	76.	65.	49.	59.
MEAN RAD.	380.	443.	452.	458.	424.	400.	458.	511.	541.	550.	464.	385.	456.
PRECIP.	190.	114.	111.	191.	247.	316.	266.	168.	61.	62.	79.	176.	1981.
POT ET	153.	151.	168.	144.	137.	125.	149.	168.	190.	203.	180.	156.	1923.
DEF PREC	-37.	37.	57.	-47.	-110.	-191.	-117.	0.	129.	141.	101.	-20.	-58.
DEP PREC	133.	75.	72.	134.	177.	231.	192.	116.	34.	34.	47.	122.	
MAI	0.87	0.49	0.43	0.93	1.29	1.85	1.29	0.69	0.18	0.17	0.26	0.78	

PARADISE				LAT 5 54 LON 56 54				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	86.	83.	80.	85.	85.	85.	76.	73.	64.	64.	74.	86.	78.
PCT SUN	47.	53.	56.	50.	49.	49.	62.	66.	76.	76.	64.	47.	58.
MEAN RAD.	380.	433.	447.	457.	418.	399.	458.	510.	541.	551.	462.	378.	453.
PRECIP.	189.	133.	120.	191.	261.	320.	273.	175.	62.	58.	87.	194.	2053.
POT ET	149.	144.	163.	141.	135.	124.	147.	165.	187.	198.	174.	151.	1877.
DEF PREC	-40.	11.	43.	-50.	-126.	-196.	-126.	-10.	125.	140.	87.	-33.	-176.
DEP PREC	132.	89.	79.	134.	188.	234.	197.	122.	34.	31.	54.	129.	
MAI	0.89	0.62	0.49	0.95	1.40	1.89	1.35	0.74	0.18	0.16	0.31	0.85	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

PARAMARIBO	LAT		5 51	LON		55 10	0. METERS						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	26.4	26.7	26.9	26.7	26.6	26.9	27.7	28.3	28.3	27.8	26.6	27.1
MEAN R.H.	87.	84.	83.	86.	89.	84.	75.	73.	63.	64.	75.	85.	79.
PCT SUN	47.	51.	52.	47.	44.	50.	63.	66.	77.	76.	63.	49.	57.
MEAN RAD.	377.	423.	423.	446.	396.	402.	463.	511.	544.	552.	457.	386.	449.
PRECIP.	193.	150.	162.	232.	321.	303.	226.	167.	86.	87.	109.	174.	2210.
POT ET	151.	145.	160.	139.	127.	124.	149.	168.	191.	203.	177.	155.	1890.
DEF P REC	-42.	-5.	-2.	-93.	-194.	-179.	-77.	1.	105.	116.	68.	-19.	-321.
DEP P REC	136.	102.	112.	166.	235.	221.	161.	115.	53.	54.	71.	121.	
MAI	0.90	0.71	0.70	1.19	1.85	1.77	1.08	0.69	0.28	0.26	0.40	0.78	

PEPERPOT	LAT		5 46	LON		55 7	0. METERS						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	86.	84.	83.	87.	90.	84.	76.	73.	63.	64.	75.	87.	79.
PCT SUN	47.	51.	53.	46.	41.	50.	62.	66.	77.	77.	63.	46.	57.
MEAN RAD.	379.	420.	431.	443.	384.	403.	460.	511.	544.	555.	458.	369.	446.
PRECIP.	190.	155.	156.	237.	350.	302.	257.	170.	84.	73.	104.	195.	2273.
POT ET	149.	141.	158.	137.	124.	125.	147.	166.	188.	199.	173.	148.	1852.
DEF P REC	-41.	-14.	2.	-100.	-225.	-177.	-110.	-4.	104.	126.	69.	-47.	-421.
DEP P REC	133.	106.	107.	170.	257.	220.	185.	118.	51.	43.	67.	137.	
MAI	0.90	0.75	0.68	1.24	2.08	1.76	1.26	0.71	0.27	0.21	0.39	0.93	

REPUBLIEK	LAT		5 31	LON		55 11	0. METERS						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	85.	83.	82.	86.	87.	84.	75.	72.	63.	63.	75.	86.	78.
PCT SUN	50.	52.	53.	47.	46.	50.	63.	67.	77.	77.	63.	48.	58.
MEAN RAD.	391.	428.	434.	447.	406.	405.	465.	515.	546.	557.	457.	378.	452.
PRECIP.	172.	135.	151.	223.	301.	292.	216.	147.	75.	58.	108.	182.	2060.
POT ET	152.	143.	153.	138.	131.	125.	149.	167.	188.	200.	172.	151.	1875.
DEF P REC	-20.	8.	8.	-85.	-170.	-167.	-67.	20.	113.	142.	64.	-32.	-185.
DEP P REC	119.	91.	103.	159.	219.	212.	153.	100.	44.	31.	70.	127.	
MAI	0.78	0.63	0.65	1.15	1.67	1.69	1.03	0.60	0.24	0.16	0.41	0.84	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

SARA LEASOWES				LAT 5 54 LON 56 22				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	85.	82.	80.	82.	81.	82.	74.	71.	63.	63.	74.	83.	77.
PCT SUN	49.	54.	57.	54.	56.	54.	64.	68.	78.	77.	65.	53.	61.
MEAN RAD.	389.	440.	453.	475.	446.	418.	466.	518.	546.	555.	466.	406.	465.
PRECIP.	177.	119.	110.	155.	196.	212.	193.	123.	41.	49.	69.	149.	1593.
POT ET	152.	146.	164.	147.	144.	129.	149.	168.	188.	199.	175.	159.	1921.
DEF PREC	-25.	27.	54.	-8.	-52.	-83.	-44.	45.	147.	150.	106.	10.	328.
DEP PREC	123.	78.	71.	106.	138.	150.	136.	81.	18.	24.	40.	102.	
MAI	0.81	0.54	0.44	0.72	0.96	1.16	0.91	0.49	0.10	0.12	0.23	0.64	

SECTIE OOST				LAT 5 18 LON 55 16				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	84.	85.	88.	88.	84.	75.	72.	63.	64.	74.	87.	79.
PCT SUN	44.	50.	49.	43.	43.	51.	63.	67.	77.	77.	64.	46.	56.
MEAN RAD.	361.	418.	412.	428.	395.	408.	464.	518.	545.	554.	460.	369.	444.
PRECIP.	212.	152.	191.	252.	328.	271.	224.	134.	81.	71.	91.	192.	2199.
POT ET	143.	140.	151.	133.	128.	127.	149.	168.	189.	199.	173.	148.	1845.
DEF PREC	-69.	-12.	-40.	-119.	-200.	-144.	-75.	34.	107.	128.	82.	-44.	-354.
DEP PREC	150.	104.	134.	181.	240.	196.	160.	90.	49.	41.	57.	135.	
MAI	1.05	0.74	0.89	1.37	1.88	1.55	1.07	0.54	0.26	0.21	0.33	0.91	

SIKAKAMP				LAT 4 48 LON 55 0				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	89.	86.	87.	89.	88.	85.	76.	73.	62.	63.	74.	86.	80.
PCT SUN	43.	47.	46.	41.	43.	49.	62.	66.	78.	78.	65.	48.	55.
MEAN RAD.	353.	399.	397.	420.	398.	402.	465.	514.	550.	557.	460.	375.	441.
PRECIP.	223.	178.	194.	255.	328.	310.	228.	162.	59.	54.	86.	188.	2265.
POT ET	141.	135.	147.	130.	128.	125.	149.	167.	189.	200.	173.	150.	1833.
DEF PREC	-82.	-43.	-47.	-125.	-199.	-185.	-79.	5.	131.	146.	87.	-38.	-433.
DEP PREC	159.	124.	136.	184.	240.	226.	163.	112.	32.	28.	53.	132.	
MAI	1.13	0.92	0.93	1.41	1.87	1.81	1.09	0.67	0.17	0.14	0.31	0.89	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR SURINAM

SLOOTWIJK		LAT 5 50		LON 54 53		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	88.	85.	84.	86.	89.	85.	76.	73.	62.	64.	75.	87.	79.
PCT SUN	44.	49.	51.	47.	43.	50.	63.	66.	78.	75.	63.	46.	56.
MEAN RAD.	362.	414.	424.	447.	391.	401.	460.	509.	548.	552.	457.	374.	445.
PRECIP.	214.	167.	175.	253.	335.	308.	253.	183.	65.	92.	110.	189.	2344.
POT ET	143.	139.	155.	138.	126.	124.	147.	165.	189.	199.	172.	149.	1847.
DEF PREC	-71.	-28.	-20.	-115.	-209.	-184.	-106.	-18.	124.	106.	62.	-40.	-497.
DEP PREC	152.	115.	122.	182.	245.	225.	182.	128.	37.	57.	71.	132.	
MAI	1.06	0.83	0.78	1.32	1.95	1.81	1.23	0.78	0.19	0.29	0.41	0.89	

TOTNESS		LAT 5 52		LON 56 17		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	85.	80.	80.	83.	81.	82.	74.	71.	63.	63.	74.	95.	77.
PCT SUN	48.	56.	56.	52.	55.	54.	64.	68.	78.	77.	65.	50.	60.
MEAN RAD.	387.	449.	448.	470.	443.	417.	466.	519.	547.	555.	465.	390.	463.
PRECIP.	180.	101.	119.	164.	204.	220.	197.	117.	41.	50.	76.	170.	1639.
POT ET	151.	149.	163.	145.	143.	129.	149.	168.	188.	199.	175.	154.	1913.
DEF PREC	-29.	48.	44.	-19.	-61.	-91.	-48.	51.	147.	149.	99.	-16.	274.
DEP PREC	126.	65.	78.	113.	144.	156.	139.	77.	18.	25.	45.	118.	
MAI	0.83	0.43	0.48	0.78	1.01	1.21	0.93	0.46	0.10	0.13	0.26	0.76	

WEDERZORG		LAT 5 52		LON 54 57		O. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	87.	84.	84.	86.	89.	85.	76.	73.	63.	63.	75.	87.	79.
PCT SUN	45.	51.	51.	48.	42.	50.	63.	66.	78.	77.	64.	46.	57.
MEAN RAD.	370.	420.	424.	449.	386.	401.	460.	511.	547.	556.	461.	371.	446.
PRECIP.	203.	156.	176.	249.	345.	313.	248.	167.	71.	70.	94.	193.	2285.
POT ET	146.	141.	155.	139.	124.	124.	148.	166.	188.	199.	173.	148.	1852.
DEF PREC	-57.	-15.	-21.	-110.	-220.	-189.	-100.	-1.	117.	129.	79.	-45.	-433.
DEP PREC	143.	107.	122.	179.	253.	228.	178.	115.	41.	41.	59.	136.	
MAI	0.98	0.76	0.79	1.29	2.03	1.84	1.21	0.70	0.22	0.20	0.34	0.91	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR TRIN. &amp; T08.

PIARCO AERO		LAT 10 37				LON 61 21		13. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.8	26.7	27.2	26.7	26.6	26.8	26.9	26.9	26.4	25.6	26.3
PCT SUN	48.	52.	49.	52.	53.	40.	51.	52.	46.	47.	53.	53.	50.
MEAN PAD.	400.	450.	470.	500.	500.	430.	490.	500.	460.	440.	430.	410.	457.
PRECIP.	82.	60.	30.	58.	145.	293.	252.	244.	151.	149.	194.	165.	1825.
POT ET	123.	126.	148.	155.	162.	133.	157.	160.	143.	142.	133.	128.	1710.
DEF PREC	41.	65.	117.	97.	17.	-160.	-96.	-84.	-7.	-7.	-62.	-37.	-115.
DEP PREC	46.	28.	3.	26.	99.	223.	189.	182.	104.	102.	140.	116.	
MAI	0.37	0.22	0.02	0.17	0.61	1.68	1.21	1.14	0.72	0.72	1.06	0.90	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR URUGUAY

ASUNCION		LAT 25 17 LON 57 39 119. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.9	28.3	26.3	23.7	20.9	18.6	18.4	20.6	22.1	24.7	26.7	28.8	24.0
PCT SUN	36.	39.	40.	22.	42.	38.	43.	40.	34.	37.	32.	37.	37.
MEAN RAD.	465.	455.	410.	250.	285.	240.	270.	310.	350.	425.	430.	480.	364.
PRECIP.	159.	134.	174.	154.	93.	79.	48.	35.	75.	110.	139.	116.	1316.
POT ET	157.	137.	130.	72.	79.	60.	70.	85.	97.	130.	133.	161.	1311.
DEF PREC	-2.	2.	-44.	-82.	-14.	-19.	22.	51.	22.	19.	-5.	45.	-5.
DEP PREC	100.	83.	110.	96.	54.	45.	23.	14.	42.	66.	86.	70.	
MAI	0.64	0.60	0.85	1.34	0.68	0.74	0.33	0.16	0.43	0.51	0.64	0.44	

BAHIA NEGRA		LAT 20 14 LON 58 10 97. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.8	28.3	27.4	26.0	23.6	22.0	21.7	24.1	25.6	27.5	28.5	29.1	26.0
PCT SUN	33.	36.	41.	34.	54.	53.	57.	54.	39.	50.	33.	36.	43.
MEAN RAD.	440.	440.	425.	335.	355.	320.	345.	390.	390.	500.	435.	460.	403.
PRECIP.	137.	135.	109.	72.	54.	41.	23.	20.	47.	70.	124.	104.	938.
POT ET	148.	132.	139.	102.	106.	88.	98.	117.	118.	163.	141.	156.	1507.
DEF PREC	10.	-3.	30.	30.	51.	47.	75.	98.	71.	93.	17.	51.	570.
DEP PREC	85.	83.	65.	40.	28.	18.	6.	4.	23.	39.	76.	62.	
MAI	0.57	0.63	0.47	0.39	0.26	0.21	0.06	0.03	0.19	0.24	0.54	0.40	

CAACUPE		LAT 25 24 LON 57 6 228. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	25.4	24.0	21.3	18.9	17.2	16.9	19.0	19.8	22.5	24.4	26.0	21.8
PCT SUN	36.	39.	40.	22.	43.	38.	44.	40.	34.	37.	32.	37.	37.
MEAN RAD.	465.	455.	410.	250.	285.	240.	270.	310.	350.	425.	430.	480.	364.
PRECIP.	155.	172.	162.	165.	98.	72.	52.	42.	92.	132.	147.	177.	1465.
POT ET	146.	128.	123.	68.	75.	58.	67.	82.	91.	123.	126.	151.	1238.
DEF PREC	-9.	-44.	-39.	-97.	-23.	-14.	15.	40.	-1.	-9.	-20.	-26.	-227.
DEP PREC	97.	109.	102.	104.	57.	40.	26.	19.	54.	81.	91.	112.	
MAI	0.66	0.85	0.83	1.54	0.77	0.68	0.39	0.23	0.59	0.66	0.72	0.74	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR URUGUAY

CAPITAN MIRANDA				LAT 27 17 LON 55 49				0. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.9	26.3	24.3	21.2	18.2	16.2	16.1	18.1	19.7	22.0	24.3	26.4	21.6
PCT SUN	32.	38.	39.	25.	50.	49.	48.	43.	33.	34.	30.	33.	38.
MEAN RAD.	445.	450.	395.	260.	295.	260.	270.	310.	340.	405.	420.	460.	359.
PRECIP.	99.	212.	116.	158.	73.	66.	150.	190.	146.	146.	72.	180.	1608.
POT ET	143.	129.	119.	70.	76.	61.	65.	80.	88.	116.	123.	147.	1217.
DEF P REC	45.	-83.	3.	-88.	3.	-5.	-84.	-111.	-58.	-30.	51.	-34.	-391.
DEP P REC	58.	137.	70.	99.	40.	36.	93.	121.	91.	91.	40.	114.	
MAI	0.41	1.06	0.59	1.41	0.53	0.58	1.43	1.52	1.03	0.78	0.32	0.78	

CONCEPCION				LAT 23 25 LON 57 18				85. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.7	27.4	25.9	23.2	19.1	18.9	18.7	20.4	22.5	25.3	26.6	28.1	23.6
PCT SUN	35.	38.	39.	31.	42.	47.	47.	45.	37.	38.	33.	36.	39.
MEAN RAD.	460.	450.	410.	305.	295.	280.	295.	340.	370.	435.	440.	470.	379.
PRECIP.	144.	154.	134.	120.	120.	59.	48.	63.	68.	111.	141.	148.	1310.
POT ET	151.	132.	129.	87.	78.	71.	77.	93.	104.	135.	136.	155.	1348.
DEF P REC	7.	-21.	-5.	-34.	-42.	12.	29.	30.	36.	24.	-5.	8.	38.
DEP P REC	89.	96.	83.	73.	73.	31.	23.	34.	37.	66.	88.	92.	
MAI	0.59	0.73	0.64	0.84	0.94	0.44	0.30	0.36	0.36	0.49	0.64	0.59	

DR PEDRO P PENA				LAT 22 27 LON 62 3				80. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.6	28.0	25.3	23.5	20.9	17.7	17.5	20.5	23.3	26.1	27.8	28.7	24.0
PCT SUN	40.	37.	46.	53.	47.	55.	66.	57.	49.	43.	35.	36.	47.
MEAN RAD.	490.	445.	445.	405.	320.	310.	355.	390.	430.	465.	450.	470.	415.
PRECIP.	82.	110.	80.	46.	21.	6.	5.	1.	15.	33.	61.	109.	568.
POT ET	164.	133.	138.	116.	89.	76.	89.	107.	123.	147.	143.	158.	1483.
DEF P REC	82.	22.	59.	70.	68.	70.	84.	106.	108.	114.	82.	49.	914.
DEP P REC	47.	66.	45.	22.	4.	0.	0.	0.	0.	13.	32.	65.	
MAI	0.28	0.50	0.33	0.19	0.05	0.00	0.00	0.00	0.00	0.09	0.22	0.41	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR URUGUAY

ENCARNACION				LAT 27 20 LON 55 50				80. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.9	26.3	24.3	21.2	18.2	16.2	16.1	18.1	19.7	22.0	24.3	26.4	21.6
PCT SUN	32.	38.	39.	25.	50.	49.	48.	43.	33.	34.	30.	33.	38.
MEAN RAD.	445.	450.	395.	260.	295.	260.	270.	310.	340.	405.	420.	460.	359.
PRECIP.	135.	152.	139.	164.	142.	134.	94.	95.	140.	164.	128.	136.	1624.
POT ET	143.	129.	119.	70.	76.	61.	65.	80.	88.	116.	123.	147.	1217.
DEF P REC	8.	-23.	-20.	-93.	-66.	-73.	-29.	-15.	-52.	-48.	-5.	11.	-406.
DEP P REC	83.	95.	86.	103.	88.	83.	55.	55.	87.	103.	78.	84.	
MAI	0.58	0.74	0.72	1.46	1.16	1.35	0.85	0.70	0.98	0.89	0.64	0.57	

ESTIGARRIBA MCAL				LAT 22 1 LON 60 37				181. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	29.7	28.7	26.9	24.6	21.8	19.8	19.5	23.0	25.2	27.0	28.4	29.4	25.3
PCT SUN	37.	38.	43.	34.	45.	57.	57.	57.	40.	42.	35.	36.	43.
MEAN RAD.	470.	450.	430.	325.	315.	320.	335.	390.	390.	460.	450.	470.	400.
PRECIP.	114.	107.	101.	68.	41.	27.	17.	12.	17.	65.	99.	97.	764.
POT ET	161.	136.	138.	96.	89.	83.	89.	114.	117.	148.	145.	160.	1478.
DEF P REC	48.	29.	37.	28.	48.	56.	73.	102.	100.	83.	46.	64.	714.
DEP P REC	68.	64.	60.	37.	18.	9.	1.	0.	2.	35.	58.	57.	
MAI	0.42	0.47	0.43	0.38	0.21	0.11	0.02	0.00	0.01	0.24	0.40	0.35	

HORQUETA				LAT 23 24 LON 56 50				124. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.6	28.2	26.9	24.9	22.2	20.7	20.2	22.8	24.2	25.1	26.3	27.8	24.8
PCT SUN	35.	38.	39.	23.	42.	47.	47.	45.	37.	38.	33.	36.	38.
MEAN RAD.	460.	450.	410.	265.	295.	280.	295.	340.	370.	435.	440.	470.	376.
PRECIP.	111.	131.	109.	136.	126.	72.	77.	37.	88.	163.	140.	107.	1297.
POT ET	154.	135.	132.	79.	85.	75.	80.	99.	108.	134.	135.	154.	1370.
DEF P REC	43.	4.	23.	-57.	-42.	2.	4.	62.	20.	-29.	-5.	48.	73.
DEP P REC	66.	81.	65.	84.	77.	40.	43.	16.	51.	103.	87.	64.	
MAI	0.43	0.60	0.49	1.06	0.91	0.54	0.54	0.16	0.47	0.77	0.64	0.41	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR URUGUAY

NUEVA ASUNCION		LAT 20 40 LON 61 50 315. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.2	27.0	25.5	23.8	21.4	19.0	19.7	22.8	25.4	27.5	27.2	28.3	24.6
PCT SUN	39.	38.	46.	37.	52.	55.	63.	54.	49.	41.	37.	39.	46.
MEAN RAD.	480.	450.	450.	345.	345.	325.	360.	390.	440.	455.	460.	480.	415.
PRECIP.	68.	90.	78.	67.	40.	10.	3.	6.	3.	50.	40.	91.	544.
POT ET	159.	131.	140.	100.	97.	83.	97.	114.	132.	149.	145.	160.	1505.
DEF P REC	92.	41.	62.	33.	57.	73.	94.	108.	130.	99.	105.	68.	961.
DEP P REC	37.	52.	44.	36.	18.	0.	0.	0.	0.	25.	18.	53.	
MAI	0.23	0.40	0.31	0.36	0.18	0.00	0.00	0.00	0.00	0.17	0.12	0.33	

PEDRO J CABELLERO		LAT 22 35 LON 55 39 645. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.4	22.7	20.7	18.1	16.9	16.8	19.2	20.8	21.8	22.9	23.6	20.9
PCT SUN	37.	38.	43.	34.	49.	55.	59.	58.	42.	42.	34.	36.	44.
MEAN RAD.	470.	450.	430.	325.	325.	310.	335.	390.	400.	455.	445.	470.	400.
PRECIP.	172.	158.	148.	116.	101.	104.	44.	53.	77.	165.	186.	196.	1520.
POT ET	140.	120.	125.	87.	83.	74.	83.	103.	107.	129.	126.	140.	1317.
DEF P REC	-32.	-38.	-23.	-29.	-17.	-29.	38.	50.	30.	-35.	-60.	-56.	-203.
DEP P REC	109.	99.	92.	70.	60.	62.	21.	27.	43.	104.	119.	125.	
MAI	0.78	0.83	0.74	0.81	0.71	0.83	0.25	0.26	0.40	0.80	0.94	0.90	

PILAR		LAT 26 51 LON 58 19 55. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.0	27.3	25.2	22.2	19.6	16.9	15.6	18.4	20.2	22.9	25.3	27.4	22.4
PCT SUN	36.	40.	39.	26.	45.	44.	49.	42.	36.	39.	33.	36.	39.
MEAN RAD.	470.	460.	400.	265.	285.	250.	275.	310.	355.	435.	440.	475.	368.
PRECIP.	151.	128.	166.	158.	97.	68.	41.	38.	72.	119.	118.	110.	1286.
POT ET	155.	135.	124.	74.	76.	60.	65.	80.	94.	127.	132.	155.	1276.
DEF P REC	5.	7.	-62.	-85.	-20.	-8.	24.	42.	21.	8.	14.	44.	-10.
DEP P REC	94.	78.	118.	99.	57.	37.	18.	16.	40.	72.	71.	66.	
MAI	0.61	0.58	0.96	1.35	0.74	0.62	0.28	0.20	0.43	0.57	0.54	0.43	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR URUGUAY

PTO CASADO		LAT 22 17 LON 57 52 87. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.8	28.3	26.8	24.7	22.2	20.2	20.2	22.5	24.4	26.1	27.4	28.4	25.0
PCT SUN	34.	37.	39.	28.	55.	54.	55.	66.	38.	41.	32.	36.	43.
MEAN RAD.	450.	445.	410.	295.	345.	310.	325.	420.	380.	450.	432.	470.	394.
PRECIP.	148.	105.	127.	116.	76.	62.	29.	31.	44.	135.	150.	140.	1164.
POT ET	151.	134.	132.	87.	99.	82.	88.	121.	112.	142.	136.	157.	1441.
DEF PREC	3.	29.	5.	-29.	23.	19.	60.	90.	67.	7.	-14.	17.	277.
DEP PREC	92.	62.	78.	70.	42.	33.	10.	12.	21.	83.	94.	87.	
MAI	0.61	0.47	0.59	0.81	0.43	0.41	0.11	0.10	0.19	0.59	0.69	0.55	

PTO PTE FRANCO		LAT 25 32 LON 54 35 125. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.6	26.2	24.8	21.7	19.0	17.3	16.7	18.6	20.3	22.3	24.3	26.1	22.0
PCT SUN	31.	36.	37.	29.	52.	48.	45.	40.	32.	35.	30.	32.	37.
MEAN RAD.	430.	440.	390.	285.	315.	270.	275.	310.	340.	415.	420.	450.	362.
PRECIP.	133.	151.	157.	152.	143.	88.	74.	84.	132.	190.	152.	148.	1602.
POT ET	137.	126.	119.	78.	83.	65.	68.	81.	90.	119.	123.	142.	1232.
DEF PREC	5.	-25.	-38.	-73.	-60.	-23.	-6.	-3.	-42.	-71.	-29.	-6.	-370.
DEP PREC	82.	95.	99.	95.	89.	51.	41.	48.	81.	121.	95.	92.	
MAI	0.59	0.75	0.83	1.21	1.07	0.78	0.61	0.59	0.90	1.02	0.77	0.65	

PTO PTE STROESSNER		LAT 25 32 LON 54 36 197. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	29.7	28.7	26.9	24.6	21.8	19.8	19.5	23.0	25.2	27.0	28.4	29.4	25.3
PCT SUN	31.	36.	37.	29.	52.	48.	45.	40.	32.	35.	30.	32.	37.
MEAN RAD.	430.	440.	390.	285.	315.	270.	275.	310.	340.	415.	420.	450.	362.
PRECIP.	137.	334.	157.	215.	207.	126.	108.	128.	176.	336.	112.	346.	2380.
POT ET	148.	133.	125.	84.	89.	70.	73.	91.	102.	134.	135.	153.	1339.
DEF PREC	11.	-200.	-31.	-131.	-117.	-56.	-35.	-37.	-74.	-202.	23.	-193.	-1042.
DEP PREC	84.	220.	98.	138.	133.	77.	65.	78.	111.	222.	68.	229.	
MAI	0.57	1.65	0.78	1.64	1.48	1.10	0.88	0.86	1.09	1.66	0.50	1.49	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR URUGUAY

SAN JUAN BAUTISTA		LAT 26 40 LON 57 9 150. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.6	25.9	24.3	21.0	18.2	16.3	16.9	18.0	20.0	22.5	24.9	26.8	21.8
PCT SUN	36.	39.	41.	23.	45.	41.	46.	42.	35.	37.	31.	37.	38.
MEAN RAD.	465.	455.	410.	250.	285.	240.	270.	310.	350.	425.	430.	480.	364.
PRECIP.	159.	156.	139.	144.	80.	92.	81.	82.	98.	183.	149.	152.	1515.
POT ET	149.	129.	124.	67.	73.	56.	67.	79.	92.	123.	128.	154.	1242.
DEF PREC	-11.	-27.	-15.	-77.	-7.	-35.	-14.	-3.	-7.	-60.	-21.	2.	-274.
DEP PREC	100.	98.	86.	89.	45.	53.	46.	47.	58.	116.	93.	95.	
MAI	0.67	0.76	0.69	1.33	0.62	0.94	0.69	0.59	0.63	0.95	0.73	0.62	

SAN LORENZO		LAT 25 22 LON 57 34 120. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.5	26.8	25.1	22.0	19.3	18.1	17.3	19.2	20.6	23.7	25.7	27.4	22.7
PCT SUN	36.	39.	40.	22.	42.	38.	43.	40.	34.	37.	32.	37.	37.
MEAN RAD.	465.	455.	410.	250.	285.	240.	270.	310.	350.	425.	430.	480.	364.
PRECIP.	150.	181.	187.	182.	87.	75.	48.	55.	94.	150.	168.	167.	1543.
POT ET	152.	132.	126.	69.	76.	60.	68.	82.	93.	127.	130.	157.	1271.
DEF PREC	2.	-49.	-61.	-113.	-11.	-15.	20.	27.	-1.	-23.	-38.	-10.	-272.
DEP PREC	93.	115.	119.	116.	50.	42.	23.	28.	55.	93.	106.	105.	
MAI	0.61	0.87	0.94	1.68	0.66	0.70	0.34	0.34	0.59	0.74	0.82	0.67	

VILLARRICA		LAT 25 45 LON 56 26 155. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.1	26.7	24.9	21.8	19.1	17.2	17.2	19.3	20.4	22.7	24.9	26.9	22.4
PCT SUN	34.	40.	39.	21.	37.	39.	39.	38.	32.	33.	32.	35.	35.
MEAN RAD.	455.	460.	400.	245.	265.	240.	255.	300.	340.	405.	430.	470.	355.
PRECIP.	165.	153.	164.	141.	118.	106.	73.	69.	99.	175.	137.	139.	1539.
POT ET	147.	133.	123.	67.	70.	58.	64.	80.	90.	118.	128.	151.	1229.
DEF PREC	-18.	-20.	-41.	-74.	-48.	-48.	-10.	11.	-8.	-57.	-9.	12.	-310.
DEP PREC	104.	96.	103.	88.	72.	63.	41.	37.	58.	111.	84.	86.	
MAI	0.71	0.72	0.84	1.30	1.03	1.09	0.64	0.47	0.64	0.94	0.66	0.57	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR URUGUAY

	YACY RETA (ISLA)				LAT 27 24 LON 56 27				86. METERS				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	28.8	28.3	26.8	24.7	22.2	20.2	20.2	22.5	24.4	26.1	27.4	28.4	25.0
PCT SUN	32.	38.	39.	25.	50.	50.	48.	43.	33.	34.	30.	33.	38.
MEAN RAD.	445.	450.	395.	260.	295.	260.	270.	310.	340.	405.	420.	460.	359.
PRECIP.	103.	154.	146.	174.	92.	102.	87.	56.	96.	200.	198.	70.	1478.
POT ET	149.	135.	127.	77.	85.	69.	73.	90.	100.	128.	132.	153.	1318.
DEF P REC	46.	-19.	-19.	-98.	-7.	-33.	-13.	33.	4.	-72.	-65.	83.	-160.
DEP P REC	61.	96.	91.	110.	54.	60.	50.	29.	56.	128.	126.	38.	
MAI	0.41	0.71	0.71	1.44	0.63	0.88	0.68	0.32	0.56	1.00	0.95	0.25	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

ACARIGUA		LAT 9 33 LON 69 12 186. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.3	28.1	28.5	27.4	27.2	25.8	25.6	25.9	25.9	26.5	26.8	26.9	26.8
MEAN R.H.	69.	68.	68.	83.	88.	86.	82.	75.	80.	78.	76.	71.	77.
PCT SUN	71.	72.	71.	53.	43.	48.	54.	63.	57.	59.	62.	68.	60.
MEAN RAD.	506.	528.	512.	459.	376.	374.	406.	481.	453.	484.	466.	494.	462.
PRECIP.	9.	12.	13.	121.	274.	298.	289.	188.	145.	152.	104.	32.	1636.
POT ET	197.	182.	194.	145.	122.	114.	127.	151.	153.	174.	176.	191.	1925.
DEF PREC	188.	170.	181.	24.	-151.	-184.	-162.	-37.	8.	21.	71.	159.	289.
DEP PREC	0.	0.	0.	80.	198.	217.	210.	132.	98.	104.	67.	11.	
MAI	0.00	0.00	0.00	0.55	1.62	1.91	1.65	0.87	0.64	0.60	0.38	0.06	

AGUA DE OBISPO		LAT 9 39 LON 70 6 2231. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.5	18.6	19.0	19.8	20.2	19.9	19.9	20.3	20.6	20.3	19.7	19.1	19.7
MEAN R.H.	77.	79.	75.	91.	86.	88.	85.	80.	80.	83.	85.	76.	82.
PCT SUN	61.	58.	64.	37.	47.	45.	49.	57.	57.	53.	49.	62.	53.
MEAN RAD.	462.	466.	481.	385.	392.	358.	386.	457.	455.	454.	402.	467.	430.
PRECIP.	23.	34.	54.	145.	157.	156.	78.	80.	44.	132.	101.	29.	1032.
POT ET	146.	128.	145.	100.	107.	94.	104.	125.	134.	140.	130.	150.	1504.
DEF PREC	123.	95.	91.	-45.	-50.	-63.	26.	45.	91.	8.	30.	121.	471.
DEP PREC	4.	13.	28.	99.	108.	107.	47.	48.	20.	89.	64.	9.	
MAI	0.03	0.10	0.19	0.98	1.01	1.15	0.45	0.39	0.15	0.63	0.49	0.06	

AGUA VIVA		LAT 9 34 LON 70 30 150. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.0	25.4	26.2	26.5	26.2	26.3	26.7	27.0	26.7	26.1	25.5	26.0
MEAN R.H.	73.	68.	69.	84.	81.	74.	69.	70.	78.	79.	76.	74.	75.
PCT SUN	66.	72.	71.	50.	55.	65.	71.	69.	60.	59.	62.	64.	64.
MEAN RAD.	484.	526.	509.	449.	424.	434.	465.	504.	466.	482.	466.	477.	474.
PRECIP.	32.	31.	40.	87.	143.	50.	57.	103.	93.	144.	108.	58.	946.
POT ET	179.	168.	180.	138.	135.	133.	147.	161.	161.	173.	173.	180.	1930.
DEF PREC	147.	137.	140.	50.	-8.	83.	91.	58.	68.	29.	65.	122.	984.
DEP PREC	11.	10.	17.	54.	97.	25.	30.	66.	58.	98.	70.	31.	
MAI	0.06	0.06	0.10	0.39	0.72	0.19	0.21	0.41	0.36	0.56	0.40	0.17	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

ARAGUITA					LAT 10 5 LON 64 35			49. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.8	26.5	26.6	27.0	27.3	27.0	26.4	25.8	26.3
MEAN R.H.	69.	66.	62.	72.	74.	78.	77.	77.	76.	74.	74.	77.	73.
PCT SUN	70.	74.	78.	67.	65.	60.	61.	60.	62.	65.	64.	61.	66.
MEAN RAD.	505.	536.	537.	517.	457.	413.	429.	468.	477.	511.	478.	465.	483.
PRECIP.	12.	11.	12.	23.	74.	149.	215.	245.	130.	130.	75.	73.	1149.
POT ET	187.	173.	190.	159.	147.	127.	137.	151.	166.	184.	178.	177.	1977.
DEF PREC	175.	162.	178.	136.	73.	-22.	-78.	-94.	35.	54.	103.	105.	828.
DEP PREC	0.	0.	0.	4.	44.	102.	153.	175.	87.	87.	44.	43.	
MAI	0.00	0.00	0.00	0.03	0.30	0.80	1.11	1.17	0.52	0.47	0.25	0.24	

ARANGUES (LOS)					LAT 10 1 LON 70 4			551. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.8	24.1	24.9	25.3	25.0	25.0	25.4	25.8	25.4	24.9	24.3	24.8
MEAN R.H.	72.	70.	68.	85.	79.	73.	69.	69.	77.	80.	78.	74.	75.
PCT SUN	67.	70.	72.	49.	59.	66.	70.	70.	60.	57.	60.	64.	64.
MEAN RAD.	489.	519.	514.	443.	435.	432.	460.	506.	468.	477.	460.	478.	474.
PRECIP.	21.	24.	39.	69.	93.	13.	17.	49.	73.	148.	87.	44.	677.
POT ET	176.	162.	176.	132.	135.	129.	141.	157.	157.	167.	166.	175.	1873.
DEF PREC	154.	138.	137.	63.	42.	116.	124.	108.	84.	19.	79.	131.	1196.
DEP PREC	3.	5.	17.	40.	58.	0.	0.	24.	43.	101.	54.	20.	
MAI	0.02	0.03	0.09	0.30	0.43	0.00	0.00	0.15	0.27	0.60	0.32	0.12	

ARENALES					LAT 10 9 LON 69 55			200. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.8	25.2	26.0	26.4	26.1	26.1	26.5	26.8	26.5	25.9	25.3	25.9
MEAN R.H.	71.	67.	66.	82.	77.	72.	67.	67.	75.	78.	76.	72.	72.
PCT SUN	68.	73.	74.	55.	61.	67.	73.	73.	63.	60.	63.	67.	67.
MEAN RAD.	497.	531.	521.	465.	444.	437.	468.	516.	479.	489.	472.	493.	485.
PRECIP.	19.	16.	19.	48.	78.	23.	25.	39.	55.	125.	82.	31.	560.
POT ET	182.	169.	183.	142.	141.	134.	148.	165.	165.	175.	174.	184.	1962.
DEF PREC	163.	153.	164.	94.	63.	111.	123.	126.	109.	50.	92.	153.	1402.
DEP PREC	1.	0.	1.	24.	47.	4.	6.	17.	29.	83.	50.	10.	
MAI	0.01	0.00	0.01	0.17	0.33	0.03	0.04	0.10	0.18	0.47	0.29	0.06	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

ASUNCION (LA)				LAT 11 2 LON 63 52				100. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	87.	67.	59.	67.	70.	72.	67.	67.	70.	69.	76.	85.	71.
PCT SUN	46.	73.	81.	73.	69.	67.	73.	72.	70.	71.	63.	50.	67.
MEAN RAD.	395.	533.	548.	533.	467.	431.	461.	508.	505.	537.	474.	413.	484.
PRECIP.	120.	68.	39.	23.	27.	49.	56.	70.	41.	40.	92.	139.	763.
POT ET	152.	171.	193.	164.	150.	133.	147.	163.	174.	192.	176.	160.	1974.
DEF PREC	33.	103.	154.	140.	122.	84.	91.	94.	133.	151.	84.	21.	1212.
DEP PREC	79.	39.	16.	4.	7.	24.	29.	40.	18.	18.	57.	94.	
MAI	0.52	0.23	0.08	0.03	0.05	0.18	0.20	0.25	0.10	0.09	0.33	0.59	

BACHAQUERO				LAT 9 58 LON 71 8				1. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.8	17.3	18.2	18.9	19.1	18.9	18.6	19.2	19.2	18.5	17.8	17.2	18.3
MEAN R.H.	70.	66.	69.	84.	82.	77.	70.	72.	82.	81.	75.	72.	75.
PCT SUN	69.	74.	71.	50.	55.	61.	70.	67.	54.	56.	63.	68.	63.
MEAN RAD.	501.	536.	508.	448.	420.	417.	459.	496.	442.	470.	474.	493.	472.
PRECIP.	19.	15.	18.	83.	151.	137.	98.	145.	160.	188.	96.	40.	1150.
POT ET	148.	139.	149.	114.	111.	106.	119.	131.	126.	137.	141.	148.	1570.
DEF PREC	129.	124.	131.	31.	40.	31.	21.	14.	34.	51.	45.	109.	420.
DEP PREC	1.	0.	0.	51.	103.	92.	62.	99.	110.	132.	61.	17.	
MAI	0.01	0.00	0.00	0.45	0.93	0.87	0.52	0.75	0.87	0.96	0.43	0.12	

BARAGUA				LAT 10 34 LON 69 55				500. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.1	25.2	25.6	25.9	25.6	25.0	24.4	25.0
MEAN R.H.	70.	68.	67.	82.	76.	73.	69.	70.	77.	77.	76.	70.	73.
PCT SUN	70.	72.	73.	54.	62.	66.	71.	69.	60.	61.	63.	70.	66.
MEAN RAD.	506.	528.	517.	461.	443.	430.	458.	499.	467.	492.	473.	506.	482.
PRECIP.	7.	6.	14.	40.	64.	20.	23.	76.	76.	99.	47.	9.	481.
POT ET	181.	165.	178.	138.	138.	128.	141.	156.	158.	172.	171.	184.	1909.
DEF PREC	174.	159.	164.	98.	74.	108.	118.	80.	82.	73.	124.	175.	1429.
DEP PREC	0.	0.	0.	17.	36.	2.	4.	45.	45.	63.	23.	0.	
MAI	0.00	0.00	0.00	0.13	0.26	0.01	0.03	0.29	0.29	0.37	0.13	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

BARCELONA				LAT 10 8 LON 64 41				5. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.7	26.4	26.6	27.1	27.3	26.6	26.5	26.9	27.3	27.2	27.4	26.8	26.9
MEAN R.H.	69.	66.	62.	72.	72.	75.	72.	70.	73.	71.	73.	70.	70.
PCT SUN	70.	75.	78.	68.	67.	63.	67.	70.	66.	69.	66.	70.	69.
MEAN RAD.	506.	539.	533.	518.	465.	424.	447.	503.	492.	528.	487.	503.	496.
PRECIP.	12.	4.	4.	10.	49.	102.	146.	114.	83.	66.	50.	21.	660.
POT ET	194.	178.	194.	162.	151.	131.	143.	162.	171.	191.	185.	193.	2056.
DEF PREC	182.	174.	190.	152.	102.	29.	-3.	47.	88.	125.	135.	172.	1395.
DEP PREC	0.	0.	0.	0.	25.	65.	99.	75.	50.	37.	25.	3.	
MAI	0.00	0.00	0.00	0.00	0.16	0.50	0.69	0.46	0.30	0.19	0.13	0.01	

BARINAS				LAT 8 38 LON 70 12				180. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	26.7	27.3	26.3	26.9	26.1	26.1	26.2	26.0	26.1	26.5	26.5	26.4
MEAN R.H.	69.	69.	71.	86.	86.	83.	79.	75.	82.	80.	76.	69.	77.
PCT SUN	71.	71.	68.	47.	47.	52.	58.	63.	53.	57.	62.	71.	60.
MEAN RAD.	503.	522.	499.	437.	398.	393.	426.	486.	440.	472.	463.	500.	462.
PRECIP.	9.	4.	31.	74.	226.	231.	220.	179.	175.	179.	110.	23.	1461.
POT ET	191.	174.	185.	134.	128.	120.	135.	154.	150.	168.	174.	191.	1905.
DEF PREC	182.	170.	154.	60.	-98.	-111.	-85.	-25.	-25.	-11.	64.	168.	444.
DEP PREC	0.	0.	10.	44.	161.	165.	156.	125.	122.	125.	71.	4.	
MAI	0.00	0.00	0.06	0.32	1.26	1.37	1.16	0.81	0.81	0.74	0.41	0.02	

BARINTAS				LAT 8 43 LON 70 24				506. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.1	25.2	25.6	25.9	25.6	25.0	24.4	24.9
MEAN R.H.	77.	71.	72.	87.	93.	89.	87.	85.	91.	84.	82.	74.	83.
PCT SUN	61.	68.	67.	45.	34.	41.	45.	50.	39.	51.	54.	65.	52.
MEAN RAD.	458.	507.	495.	428.	335.	351.	377.	431.	366.	443.	425.	473.	424.
PRECIP.	52.	42.	81.	188.	358.	355.	355.	347.	348.	259.	211.	56.	2651.
POT ET	167.	159.	171.	128.	104.	105.	116.	134.	127.	157.	156.	174.	1698.
DEF PREC	114.	117.	90.	-61.	-253.	-250.	-238.	-212.	-222.	-101.	-54.	118.	-953.
DEP PREC	27.	19.	49.	132.	263.	261.	261.	254.	256.	186.	149.	30.	
MAI	0.16	0.12	0.29	1.04	2.52	2.49	2.24	1.89	2.02	1.19	0.95	0.17	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

BARQUISIMETO				LAT 10 4 LON 69 19				566. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.8	24.4	24.5	24.5	23.6	24.0	24.1	24.6	24.8	24.9	24.0	24.2
MEAN R.H.	70.	69.	67.	83.	77.	77.	73.	69.	75.	75.	76.	72.	74.
PCT SUN	70.	71.	73.	52.	61.	61.	67.	70.	64.	64.	62.	68.	65.
MEAN RAD.	502.	522.	517.	454.	443.	416.	447.	506.	483.	506.	468.	493.	480.
PRECIP.	7.	6.	11.	45.	73.	82.	67.	46.	36.	49.	57.	22.	503.
POT ET	179.	163.	178.	133.	135.	120.	134.	152.	157.	173.	169.	178.	1872.
DEF PREC	172.	156.	167.	88.	62.	38.	67.	107.	121.	124.	112.	156.	1369.
DEP PREC	0.	0.	0.	22.	43.	50.	38.	22.	14.	25.	30.	4.	
MAI	0.00	0.00	0.00	0.16	0.32	0.42	0.29	0.14	0.09	0.14	0.18	0.02	

BARRANCAS				LAT 8 41 LON 62 11				4. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	84.	68.	66.	72.	74.	80.	73.	70.	71.	69.	74.	78.	73.
PCT SUN	50.	72.	74.	68.	65.	57.	67.	69.	68.	71.	65.	59.	65.
MEAN RAD.	408.	523.	524.	524.	466.	413.	456.	509.	503.	535.	478.	449.	482.
PRECIP.	108.	28.	41.	34.	86.	167.	126.	107.	87.	71.	70.	100.	1024.
POT ET	158.	170.	187.	162.	150.	128.	146.	165.	175.	193.	179.	173.	1984.
DEF PREC	50.	141.	146.	128.	65.	-40.	20.	58.	88.	122.	108.	73.	960.
DEP PREC	70.	8.	18.	12.	53.	116.	84.	69.	54.	41.	41.	63.	
MAI	0.44	0.05	0.10	0.08	0.35	0.91	0.57	0.42	0.31	0.21	0.23	0.37	

BAUL (EL)				LAT 8 58 LON 68 17				102. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	67.	67.	70.	82.	83.	83.	82.	77.	79.	74.	75.	68.	76.
PCT SUN	73.	72.	70.	54.	53.	52.	55.	61.	58.	64.	64.	71.	62.
MEAN RAD.	510.	527.	506.	465.	420.	393.	411.	475.	460.	507.	472.	504.	471.
PRECIP.	4.	2.	12.	36.	178.	236.	285.	226.	141.	83.	88.	21.	1311.
POT ET	188.	169.	180.	143.	134.	121.	131.	152.	160.	182.	175.	189.	1925.
DEF PREC	184.	167.	168.	107.	-43.	-116.	-154.	-73.	19.	100.	88.	168.	613.
DEP PREC	0.	0.	0.	14.	124.	169.	207.	161.	96.	50.	54.	2.	
MAI	0.00	0.00	0.00	0.10	0.92	1.40	1.58	1.06	0.60	0.28	0.31	0.01	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

BEJUMA		LAT 10 10 LON 68 17 662. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	23.4	23.8	24.6	25.0	24.6	24.7	25.1	25.4	25.1	24.5	23.9	24.5
MEAN R.H.	70.	70.	67.	82.	86.	83.	79.	75.	79.	77.	78.	72.	76.
PCT SUN	70.	70.	73.	54.	47.	53.	59.	63.	59.	60.	60.	68.	61.
MEAN RAD.	503.	519.	518.	462.	390.	387.	420.	478.	460.	491.	458.	494.	465.
PRECIP.	5.	12.	36.	84.	220.	198.	165.	148.	110.	119.	83.	21.	1199.
POT ET	178.	160.	175.	136.	120.	114.	128.	147.	154.	170.	164.	178.	1825.
DEF PREC	173.	148.	140.	53.	-100.	-84.	-36.	-1.	43.	51.	82.	157.	626.
DEP PREC	0.	0.	14.	51.	156.	139.	114.	101.	72.	78.	50.	2.	
MAI	0.00	0.00	0.08	0.37	1.31	1.22	0.89	0.68	0.47	0.46	0.31	0.01	

BELLA VISTA		LAT 10 41 LON 71 36 5. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	26.9	27.1	28.0	28.8	29.3	29.4	29.8	29.5	28.8	28.6	28.2	28.5
MEAN R.H.	67.	65.	67.	83.	76.	72.	66.	66.	76.	78.	75.	69.	72.
PCT SUN	73.	75.	73.	53.	62.	67.	74.	74.	62.	59.	64.	71.	67.
MEAN RAD.	518.	543.	513.	456.	444.	434.	468.	515.	474.	486.	479.	510.	487.
PRECIP.	2.	1.	6.	18.	68.	49.	44.	55.	55.	124.	81.	14.	517.
POT ET	201.	181.	190.	146.	149.	143.	160.	177.	173.	183.	188.	203.	2093.
DEF PREC	199.	180.	184.	128.	81.	94.	116.	122.	118.	59.	107.	189.	1576.
DEP PREC	0.	0.	0.	0.	39.	24.	20.	29.	29.	82.	49.	0.	
MAI	0.00	0.00	0.00	0.00	0.26	0.17	0.13	0.16	0.17	0.45	0.26	0.00	

BERGANTIN		LAT 10 1 LON 64 22 240. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.7	25.1	25.9	26.3	25.9	26.0	26.4	26.7	26.4	25.8	25.2	25.7
MEAN R.H.	74.	68.	63.	73.	75.	79.	80.	81.	79.	76.	79.	77.	75.
PCT SUN	65.	72.	77.	66.	64.	58.	56.	56.	58.	62.	59.	61.	63.
MEAN RAD.	480.	529.	535.	511.	454.	407.	412.	450.	459.	497.	453.	463.	471.
PRECIP.	35.	18.	12.	29.	79.	154.	255.	296.	179.	177.	145.	72.	1452.
POT ET	177.	168.	187.	156.	144.	124.	130.	143.	158.	177.	168.	174.	1905.
DEF PREC	142.	150.	175.	127.	65.	-30.	-125.	-153.	-21.	0.	22.	102.	453.
DEP PREC	14.	0.	0.	9.	47.	105.	184.	215.	125.	123.	99.	42.	
MAI	0.08	0.00	0.00	0.06	0.33	0.85	1.41	1.50	0.79	0.70	0.59	0.24	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

BISCUCUY		LAT 9 16 LON 69 58 600. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.6	24.0	24.8	25.2	24.8	24.9	25.3	25.6	25.3	24.7	24.1	24.6
MEAN R.H.	75.	71.	70.	85.	91.	89.	85.	81.	85.	82.	79.	78.	81.
PCT SUN	64.	69.	70.	49.	38.	41.	49.	56.	50.	54.	59.	59.	55.
MEAN RAD.	474.	512.	506.	443.	352.	348.	389.	454.	422.	460.	450.	453.	439.
PRECIP.	35.	26.	40.	191.	315.	355.	297.	252.	207.	204.	115.	80.	2117.
POT ET	170.	159.	173.	131.	109.	103.	119.	141.	143.	161.	163.	166.	1739.
DEF PREC	135.	133.	133.	-60.	-206.	-252.	-178.	-111.	-64.	-43.	47.	86.	-378.
DEP PREC	14.	6.	17.	134.	230.	261.	216.	181.	146.	144.	75.	48.	
MAI	0.08	0.04	0.10	1.02	2.11	2.53	1.81	1.29	1.03	0.89	0.46	0.29	

BOBARE		LAT 10 16 LON 69 27 654. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.3	23.4	23.8	24.6	25.0	24.7	24.7	25.1	25.4	25.1	24.6	23.9	24.5
MEAN R.H.	71.	69.	67.	83.	76.	75.	71.	68.	75.	75.	76.	72.	73.
PCT SUN	68.	70.	73.	52.	62.	63.	68.	71.	64.	63.	62.	68.	65.
MEAN RAD.	498.	521.	515.	453.	447.	422.	452.	508.	481.	502.	469.	495.	480.
PRECIP.	11.	5.	5.	20.	55.	47.	31.	26.	34.	59.	43.	20.	357.
POT ET	176.	161.	175.	134.	137.	125.	138.	157.	160.	173.	168.	178.	1883.
DEF PREC	165.	155.	171.	114.	83.	78.	107.	130.	126.	114.	125.	159.	1526.
DEP PREC	0.	0.	0.	2.	29.	23.	11.	7.	13.	32.	19.	2.	
MAI	0.00	0.00	0.00	0.01	0.21	0.18	0.08	0.04	0.08	0.18	0.12	0.01	

BOCONO		LAT 9 14 LON 70 16 1225. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.7	22.1	22.9	23.3	22.9	23.0	23.4	23.7	23.4	22.8	22.2	22.7
MEAN R.H.	75.	74.	72.	89.	84.	85.	82.	77.	81.	79.	79.	73.	79.
PCT SUN	63.	65.	67.	42.	51.	49.	55.	60.	55.	58.	58.	66.	57.
MEAN RAD.	472.	494.	495.	412.	410.	380.	410.	472.	446.	478.	445.	481.	450.
PRECIP.	27.	24.	48.	143.	150.	175.	134.	124.	110.	99.	60.	27.	1123.
POT ET	161.	147.	162.	116.	121.	107.	120.	140.	143.	159.	154.	167.	1697.
DEF PREC	134.	123.	114.	-27.	-29.	-68.	-14.	15.	33.	60.	93.	139.	574.
DEP PREC	8.	5.	24.	97.	102.	122.	90.	82.	71.	63.	33.	8.	
MAI	0.05	0.03	0.15	0.83	0.85	1.13	0.75	0.59	0.50	0.40	0.22	0.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

BOTALON				LAT 10 5 LON 64 36				40. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.9	26.5	26.6	27.0	27.3	27.0	26.4	25.8	26.4
MEAN R.H.	70.	66.	62.	72.	73.	78.	76.	75.	75.	72.	74.	71.	72.
PCT SUN	70.	74.	78.	67.	66.	59.	62.	63.	63.	67.	65.	68.	67.
MEAN RAD.	504.	537.	537.	517.	460.	411.	431.	479.	480.	519.	482.	494.	488.
PRECIP.	14.	7.	10.	17.	66.	155.	208.	203.	120.	99.	63.	32.	994.
POT ET	187.	173.	190.	160.	148.	127.	138.	155.	167.	187.	179.	187.	1996.
DEF PREC	173.	166.	180.	143.	82.	-28.	-70.	-48.	47.	88.	116.	155.	1002.
DEP PREC	0.	0.	0.	0.	37.	106.	147.	143.	79.	63.	35.	11.	
MAI	0.00	0.00	0.00	0.00	0.25	0.84	1.07	0.93	0.47	0.34	0.20	0.06	

BRUZUAL VILLA				LAT 8 4 LON 69 18				104. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.3	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	68.	69.	70.	86.	88.	85.	79.	74.	82.	79.	72.	69.	77.
PCT SUN	71.	70.	69.	48.	44.	49.	59.	64.	53.	59.	67.	70.	60.
MEAN RAD.	501.	517.	503.	443.	387.	385.	433.	494.	440.	481.	483.	495.	463.
PRECIP.	10.	22.	13.	116.	267.	273.	212.	163.	192.	162.	35.	28.	1493.
POT ET	185.	166.	179.	136.	124.	118.	138.	158.	154.	174.	179.	186.	1897.
DEF PREC	175.	144.	166.	20.	-143.	-155.	-74.	-5.	-38.	12.	144.	158.	404.
DEP PREC	0.	3.	0.	76.	193.	197.	150.	112.	135.	112.	14.	8.	
MAI	0.00	0.02	0.00	0.56	1.56	1.67	1.09	0.71	0.88	0.64	0.08	0.04	

CABIMAS				LAT 10 20 LON 71 31				1. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	68.	65.	67.	83.	79.	73.	67.	68.	79.	78.	73.	69.	72.
PCT SUN	72.	75.	73.	52.	58.	66.	73.	72.	59.	60.	65.	70.	66.
MEAN RAD.	513.	540.	518.	452.	432.	433.	465.	510.	460.	489.	485.	507.	484.
PRECIP.	5.	4.	4.	42.	108.	61.	64.	83.	102.	114.	58.	16.	661.
POT ET	190.	174.	185.	140.	139.	134.	149.	165.	161.	178.	181.	191.	1988.
DEF PREC	185.	170.	181.	98.	32.	73.	85.	82.	59.	64.	123.	175.	1327.
DEP PREC	0.	0.	0.	19.	70.	34.	36.	51.	65.	75.	31.	0.	
MAI	0.00	0.00	0.00	0.13	0.50	0.25	0.24	0.31	0.41	0.42	0.17	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CAFE	LAT 10 25 LON 66 17 100. METERS												ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	92.	68.	64.	75.	77.	80.	79.	75.	79.	78.	82.	93.	78.
PCT SUN	36.	72.	76.	63.	61.	57.	58.	64.	59.	59.	54.	33.	58.
MEAN RAD.	336.	528.	531.	500.	442.	399.	416.	481.	460.	485.	432.	314.	444.
PRECIP.	168.	67.	55.	51.	102.	199.	254.	189.	156.	203.	239.	254.	1937.
POT ET	134.	169.	187.	154.	142.	123.	132.	154.	160.	175.	163.	129.	1823.
DEF PREC	-34.	102.	132.	103.	39.	-76.	-122.	-35.	4.	-28.	-76.	-125.	-114.
DEP PREC	116.	38.	29.	26.	65.	140.	183.	132.	107.	143.	171.	183.	
MAI	0.87	0.23	0.15	0.17	0.46	1.14	1.38	0.86	0.67	0.82	1.05	1.41	

CAGUA	LAT 10 10 LON 67 28 460. METERS												ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN TEMP	23.9	24.0	24.4	25.2	25.6	25.3	25.3	25.7	26.0	25.7	25.1	24.5	25.1
MEAN R.H.	69.	68.	66.	79.	80.	79.	76.	78.	79.	76.	76.	71.	75.
PCT SUN	70.	71.	75.	58.	57.	58.	62.	60.	58.	62.	62.	69.	63.
MEAN RAD.	506.	526.	524.	478.	429.	407.	432.	465.	455.	497.	467.	499.	474.
PRECIP.	6.	9.	6.	57.	124.	134.	145.	217.	142.	117.	72.	18.	1046.
POT ET	182.	164.	180.	143.	134.	122.	134.	146.	154.	175.	169.	182.	1885.
DEF PREC	176.	156.	174.	86.	10.	-12.	-11.	-71.	12.	58.	98.	164.	840.
DEP PREC	0.	0.	0.	30.	82.	90.	99.	154.	97.	77.	42.	0.	
MAI	0.00	0.00	0.00	0.21	0.61	0.74	0.74	1.06	0.63	0.44	0.25	0.00	

CALABOZO	LAT 8 56 LON 67 26 106. METERS												ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN TEMP	27.8	28.0	29.1	29.2	27.8	26.7	26.6	26.6	27.0	27.2	27.2	27.1	27.5
MEAN R.H.	67.	68.	69.	81.	82.	81.	80.	78.	80.	76.	75.	67.	75.
PCT SUN	73.	72.	71.	56.	54.	55.	57.	60.	56.	53.	64.	73.	63.
MEAN RAD.	512.	526.	508.	475.	423.	402.	422.	473.	452.	500.	473.	509.	473.
PRECIP.	2.	7.	9.	69.	173.	197.	245.	232.	174.	123.	83.	13.	1326.
POT ET	201.	181.	196.	156.	139.	125.	135.	151.	157.	182.	190.	197.	2000.
DEF PREC	200.	174.	187.	87.	-34.	-72.	-110.	-81.	-18.	58.	97.	184.	674.
DEP PREC	0.	0.	0.	40.	120.	139.	175.	166.	121.	82.	50.	0.	
MAI	0.00	0.00	0.00	0.26	0.86	1.11	1.30	1.10	0.77	0.45	0.28	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CALIFORNIA (LA)				LAT 10 12 LON 68 8				775. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.1	23.5	24.2	24.6	24.3	24.4	24.7	25.1	24.7	24.2	23.6	24.1
MEAN R.H.	70.	70.	67.	82.	83.	84.	84.	80.	82.	80.	79.	74.	78.
PCT SUN	69.	69.	73.	53.	53.	51.	51.	57.	55.	56.	58.	65.	59.
MEAN RAD.	501.	517.	517.	460.	413.	380.	392.	453.	442.	472.	451.	481.	457.
PRECIP.	6.	7.	8.	87.	155.	214.	256.	230.	159.	184.	95.	36.	1437.
POT ET	176.	158.	174.	134.	126.	111.	119.	139.	147.	163.	161.	173.	1780.
DEF PREC	170.	151.	166.	47.	-29.	-103.	-137.	-92.	-12.	-21.	66.	137.	343.
DEP PREC	0.	0.	0.	54.	106.	152.	184.	164.	109.	129.	60.	14.	
MAI	0.00	0.00	0.00	0.40	0.84	1.37	1.55	1.19	0.74	0.79	0.37	0.08	

CAMATAGUA				LAT 9 48 LON 66 55				280. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.6	25.0	25.8	26.1	25.8	25.9	26.3	26.6	26.3	25.7	25.1	25.6
MEAN R.H.	68.	68.	67.	78.	79.	82.	77.	76.	79.	75.	75.	70.	75.
PCT SUN	72.	72.	73.	60.	58.	54.	61.	62.	58.	64.	63.	69.	64.
MEAN RAD.	510.	529.	519.	489.	433.	393.	429.	475.	459.	507.	472.	498.	476.
PRECIP.	4.	2.	9.	30.	129.	211.	183.	200.	148.	97.	72.	26.	1111.
POT ET	185.	168.	181.	148.	137.	119.	135.	151.	157.	180.	173.	184.	1919.
DEF PREC	181.	165.	172.	118.	8.	-92.	-48.	-49.	9.	83.	101.	158.	809.
DEP PREC	0.	0.	0.	10.	86.	150.	128.	141.	101.	61.	42.	6.	
MAI	0.00	0.00	0.00	0.06	0.63	1.25	0.95	0.94	0.64	0.34	0.24	0.03	

CAMPO ELIAS				LAT 9 17 LON 70 9				1085. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.0	22.1	22.5	23.3	23.7	23.4	23.4	23.8	24.1	23.8	23.2	22.6	23.2
MEAN R.H.	79.	74.	71.	88.	94.	93.	89.	84.	88.	84.	81.	80.	84.
PCT SUN	58.	64.	68.	43.	31.	34.	42.	51.	43.	50.	55.	57.	50.
MEAN RAD.	446.	494.	497.	417.	317.	315.	358.	435.	390.	442.	434.	442.	416.
PRECIP.	56.	52.	75.	244.	373.	418.	336.	272.	268.	236.	117.	84.	2531.
POT ET	156.	148.	164.	119.	94.	90.	106.	130.	128.	150.	152.	157.	1596.
DEF PREC	100.	96.	89.	-125.	-279.	-328.	-230.	-142.	-140.	-86.	35.	73.	-936.
DEP PREC	30.	27.	44.	175.	275.	310.	246.	197.	194.	169.	77.	51.	
MAI	0.19	0.18	0.27	1.47	2.91	3.44	2.33	1.51	1.51	1.12	0.51	0.33	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CANCAMURE		LAT 10 21 LON 64 9 100. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	75.	67.	62.	71.	77.	80.	81.	81.	82.	78.	79.	78.	76.
PCT SUN	63.	73.	78.	68.	61.	57.	56.	55.	53.	59.	59.	59.	62.
MEAN RAD.	475.	534.	536.	518.	442.	401.	408.	445.	437.	484.	449.	456.	466.
PRECIP.	44.	27.	10.	22.	113.	190.	285.	325.	248.	236.	178.	86.	1764.
POT ET	177.	171.	189.	159.	142.	123.	130.	143.	153.	175.	169.	174.	1904.
DEF PREC	133.	144.	179.	137.	29.	-67.	-155.	-182.	-95.	-61.	-10.	88.	140.
DEP PREC	20.	7.	0.	3.	74.	133.	207.	238.	178.	169.	124.	53.	
MAI	0.12	0.04	0.00	0.02	0.52	1.08	1.59	1.66	1.17	0.97	0.74	0.30	

CAND NEGRO		LAT 8 30 LON 71 59 151. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.0	25.4	26.1	26.5	26.2	26.3	26.6	27.0	26.6	26.1	25.5	26.0
MEAN R.H.	89.	72.	72.	88.	83.	79.	74.	70.	82.	83.	83.	91.	80.
PCT SUN	43.	67.	68.	44.	53.	58.	65.	70.	54.	52.	52.	39.	55.
MEAN RAD.	367.	503.	497.	425.	421.	417.	453.	512.	443.	448.	416.	343.	437.
PRECIP.	140.	120.	153.	170.	161.	136.	121.	83.	148.	239.	278.	228.	1976.
POT ET	143.	162.	176.	130.	134.	128.	144.	164.	154.	162.	158.	138.	1793.
DEF PREC	3.	42.	23.	-40.	-27.	-8.	22.	81.	6.	-76.	-120.	-90.	-183.
DEP PREC	95.	79.	104.	118.	111.	92.	80.	50.	101.	171.	201.	162.	
MAI	0.66	0.49	0.59	0.91	0.83	0.72	0.56	0.31	0.65	1.05	1.27	1.18	

CADMA		LAT 10 30 LON 67 7 850. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	22.8	23.2	24.0	24.4	24.1	24.1	24.5	24.8	24.5	24.0	23.3	23.9
MEAN R.H.	81.	71.	67.	80.	78.	78.	76.	75.	79.	79.	82.	78.	77.
PCT SUN	55.	69.	73.	56.	60.	59.	62.	63.	58.	59.	53.	60.	61.
MEAN RAD.	437.	515.	518.	471.	436.	407.	427.	477.	459.	484.	428.	459.	460.
PRECIP.	70.	23.	34.	60.	89.	89.	104.	129.	119.	150.	169.	67.	1103.
POT ET	156.	157.	173.	137.	132.	119.	129.	145.	151.	166.	153.	165.	1783.
DEF PREC	86.	134.	139.	77.	43.	30.	25.	16.	32.	15.	-16.	98.	679.
DEP PREC	41.	4.	13.	33.	55.	55.	67.	86.	78.	102.	117.	38.	
MAI	0.26	0.03	0.07	0.24	0.42	0.46	0.52	0.59	0.52	0.62	0.76	0.23	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CARACAS-CAGIGAL				LAT 10 30 LON 66 56		1043. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.2	19.3	20.1	21.4	21.9	21.4	21.2	21.4	21.6	21.6	20.8	20.1	20.8
MEAN R.H.	74.	71.	67.	60.	78.	80.	78.	75.	78.	77.	80.	76.	76.
PCT SUN	65.	68.	73.	57.	60.	57.	60.	63.	59.	61.	57.	63.	52.
MEAN RAD.	483.	511.	518.	476.	436.	399.	421.	477.	462.	493.	445.	473.	466.
PRECIP.	22.	11.	13.	33.	81.	104.	103.	111.	103.	110.	90.	44.	824.
POT ET	154.	142.	160.	129.	124.	108.	118.	134.	140.	156.	146.	156.	1666.
DEF PREC	132.	131.	147.	96.	43.	5.	15.	23.	37.	46.	56.	112.	842.
DEP PREC	3.	0.	0.	12.	49.	67.	66.	72.	66.	71.	56.	20.	
MAI	0.02	0.00	0.00	0.09	0.39	0.61	0.56	0.54	0.47	0.46	0.38	0.13	

CARACHE				LAT 9 38 LON 70 14		1207. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.8	22.1	22.9	23.3	23.0	23.0	23.4	23.8	23.4	22.9	22.3	22.8
MEAN R.H.	76.	74.	72.	88.	80.	80.	77.	75.	79.	79.	79.	71.	77.
PCT SUN	63.	65.	67.	44.	57.	57.	61.	64.	58.	58.	59.	68.	60.
MEAN RAD.	469.	498.	495.	418.	430.	405.	432.	485.	460.	481.	451.	493.	460.
PRECIP.	32.	21.	30.	96.	90.	73.	44.	75.	71.	93.	43.	13.	681.
POT ET	161.	148.	162.	118.	127.	115.	127.	143.	147.	160.	156.	170.	1734.
DEF PREC	129.	127.	132.	22.	37.	41.	82.	68.	77.	67.	112.	157.	1053.
DEP PREC	11.	3.	10.	61.	56.	43.	21.	44.	41.	58.	20.	0.	
MAI	0.07	0.02	0.06	0.51	0.44	0.37	0.16	0.31	0.28	0.36	0.13	0.00	

CARICAO				LAT 10 30 LON 63 37		3. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	77.	66.	61.	68.	71.	75.	71.	71.	76.	72.	76.	76.	72.
PCT SUN	62.	74.	79.	71.	68.	64.	68.	69.	63.	67.	62.	62.	67.
MEAN RAD.	468.	539.	540.	531.	466.	423.	449.	498.	477.	521.	470.	472.	488.
PRECIP.	53.	20.	18.	21.	44.	103.	132.	128.	139.	109.	115.	67.	950.
POT ET	176.	174.	192.	164.	150.	131.	144.	161.	166.	188.	176.	180.	2004.
DEF PREC	124.	154.	174.	143.	106.	28.	11.	34.	27.	79.	61.	113.	1054.
DEP PREC	27.	2.	0.	3.	20.	66.	89.	85.	94.	71.	76.	38.	
MAI	0.15	0.01	0.00	0.02	0.14	0.50	0.62	0.53	0.57	0.38	0.43	0.21	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CARIPE		LAT 10 10 LON 63 35 870. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.3	19.5	20.3	21.3	22.0	21.9	21.7	21.6	21.3	21.1	21.1	20.2	20.9
MEAN R.H.	79.	72.	64.	74.	80.	84.	80.	77.	76.	74.	80.	79.	77.
PCT SUN	58.	67.	76.	65.	57.	50.	57.	61.	62.	64.	57.	59.	61.
MEAN RAD.	452.	508.	529.	506.	427.	378.	413.	472.	476.	508.	447.	454.	464.
PRECIP.	54.	46.	26.	61.	137.	210.	162.	151.	109.	114.	101.	72.	1243.
POT ET	146.	142.	163.	137.	122.	104.	117.	133.	143.	158.	147.	151.	1664.
DEF PREC	92.	95.	137.	76.	-16.	-106.	-45.	-17.	34.	45.	47.	78.	421.
DEP PREC	28.	22.	7.	34.	93.	149.	111.	103.	70.	74.	64.	42.	
MAI	0.19	0.16	0.04	0.24	0.76	1.43	0.95	0.77	0.49	0.47	0.44	0.28	

CARIPITO		LAT 10 7 LON 63 5 50. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.8	26.5	26.6	27.0	27.3	27.0	26.4	25.8	26.3
MEAN R.H.	83.	68.	62.	70.	81.	85.	80.	77.	77.	75.	80.	87.	77.
PCT SUN	52.	72.	79.	70.	55.	49.	57.	61.	60.	63.	57.	45.	60.
MEAN RAD.	420.	530.	540.	526.	422.	375.	412.	472.	467.	503.	444.	394.	458.
PRECIP.	97.	52.	46.	100.	182.	305.	279.	231.	175.	186.	201.	177.	2031.
POT ET	161.	171.	191.	162.	136.	116.	132.	152.	163.	181.	168.	152.	1883.
DEF PREC	64.	119.	145.	62.	-46.	-189.	-147.	-79.	-12.	-5.	-33.	-25.	-148.
DEP PREC	61.	27.	22.	64.	127.	222.	202.	165.	122.	130.	142.	123.	
MAI	0.38	0.16	0.11	0.39	0.94	1.92	1.53	1.08	0.75	0.72	0.85	0.81	

CARITO (EL)		LAT 9 48 LON 64 44 150. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.0	25.4	26.2	26.5	26.2	26.3	26.7	27.0	26.7	26.1	25.5	26.0
MEAN R.H.	70.	67.	65.	73.	71.	78.	78.	75.	77.	74.	77.	73.	73.
PCT SUN	69.	72.	75.	66.	68.	60.	60.	63.	61.	65.	61.	66.	65.
MEAN RAD.	500.	529.	526.	512.	469.	415.	425.	480.	470.	509.	465.	485.	482.
PRECIP.	17.	22.	17.	13.	37.	133.	220.	193.	145.	129.	112.	47.	1085.
POT ET	184.	169.	185.	157.	150.	127.	135.	154.	162.	182.	173.	182.	1960.
DEF PREC	167.	147.	168.	144.	113.	-6.	-85.	-39.	17.	53.	61.	135.	875.
DEP PREC	0.	3.	0.	0.	15.	89.	156.	136.	99.	86.	73.	23.	
MAI	0.00	0.02	0.00	0.00	0.10	0.70	1.16	0.88	0.61	0.47	0.42	0.12	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

CARMEN DE CURA		LAT 9 48		LON 66 50		400. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.2	24.6	25.4	25.8	25.4	25.5	25.9	26.2	25.9	25.3	24.7	25.3
MEAN R.H.	59.	68.	67.	78.	77.	81.	78.	77.	78.	75.	75.	71.	75.
PCT SUN	70.	71.	73.	59.	61.	55.	60.	61.	59.	63.	63.	68.	64.
MEAN RAD.	505.	525.	517.	486.	445.	399.	426.	472.	464.	504.	472.	495.	476.
PRECIP.	7.	4.	10.	28.	91.	174.	181.	200.	131.	105.	59.	28.	1019.
POT ET	182.	165.	179.	146.	140.	120.	133.	148.	158.	177.	172.	182.	1902.
DEF PREC	175.	161.	169.	118.	49.	-54.	-48.	-51.	27.	72.	113.	154.	884.
DEP PREC	0.	0.	0.	8.	57.	121.	126.	141.	88.	67.	32.	8.	
MAI	0.00	0.00	0.00	0.06	0.41	1.01	0.95	0.95	0.56	0.38	0.19	0.04	

CARDRA		LAT 10 11		LON 70 16		420. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	27.4	25.6	27.9	28.1	28.7	28.6	28.6	28.6	28.1	26.7	26.3	27.6
MEAN R.H.	71.	68.	67.	84.	76.	73.	69.	69.	77.	79.	78.	72.	74.
PCT SUN	69.	72.	73.	51.	62.	66.	71.	71.	61.	58.	59.	67.	65.
MEAN RAD.	500.	526.	516.	449.	447.	432.	460.	507.	469.	480.	455.	491.	478.
PRECIP.	13.	12.	29.	38.	61.	25.	32.	56.	72.	140.	120.	29.	627.
POT ET	190.	178.	183.	143.	148.	140.	154.	170.	168.	179.	172.	188.	2013.
DEF PREC	177.	167.	154.	105.	87.	115.	122.	114.	97.	38.	53.	158.	1387.
DEP PREC	0.	0.	9.	16.	34.	6.	11.	29.	42.	95.	79.	9.	
MAI	0.00	0.00	0.05	0.11	0.23	0.04	0.07	0.17	0.25	0.53	0.46	0.05	

CARRIZAL		LAT 9 25		LON 66 55		160. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	25.0	25.3	26.1	26.5	26.2	26.2	26.6	27.0	26.6	26.1	25.5	26.0
MEAN R.H.	68.	67.	66.	78.	78.	77.	77.	76.	78.	75.	73.	68.	74.
PCT SUN	72.	73.	74.	59.	59.	61.	60.	62.	60.	63.	66.	72.	65.
MEAN RAD.	508.	529.	521.	488.	441.	423.	430.	477.	468.	503.	482.	508.	481.
PRECIP.	6.	0.	9.	34.	117.	103.	202.	209.	130.	119.	45.	11.	985.
POT ET	186.	169.	183.	149.	141.	129.	136.	152.	161.	180.	178.	189.	1956.
DEF PREC	181.	169.	175.	115.	24.	27.	-66.	-57.	32.	61.	133.	178.	971.
DEP PREC	0.	0.	0.	13.	77.	66.	143.	148.	87.	78.	21.	0.	
MAI	0.00	0.00	0.00	0.09	0.55	0.51	1.05	0.97	0.54	0.44	0.12	0.00	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CARUPANO	LAT 10 40 LON 63 15 15. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.4	26.0	27.1	27.3	26.3	26.2	26.6	27.3	27.3	26.4	25.5	26.4
MEAN R.H.	77.	66.	61.	68.	73.	77.	72.	69.	73.	69.	75.	78.	72.
PCT SUN	61.	74.	79.	72.	66.	61.	68.	70.	66.	70.	63.	60.	68.
MEAN RAD.	468.	538.	540.	532.	457.	413.	447.	503.	489.	535.	475.	460.	488.
PRECIP.	54.	35.	28.	33.	70.	146.	137.	104.	105.	60.	94.	85.	950.
POT ET	175.	173.	192.	167.	149.	127.	142.	161.	170.	194.	177.	175.	2000.
DEF PREC	121.	139.	165.	133.	78.	-19.	4.	57.	65.	134.	83.	90.	1050.
DEP PREC	28.	13.	8.	12.	41.	99.	92.	67.	67.	33.	59.	52.	
MAI	0.16	0.08	0.04	0.07	0.27	0.78	0.65	0.41	0.40	0.17	0.34	0.30	

CASIGUA	LAT 8 45 LON 72 31 55. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.4	26.8	26.5	26.6	26.9	27.3	26.9	26.4	25.8	26.3
MEAN R.H.	83.	70.	72.	88.	92.	83.	76.	75.	83.	85.	83.	88.	82.
PCT SUN	53.	70.	67.	44.	35.	53.	62.	63.	53.	49.	53.	44.	54.
MEAN RAD.	419.	516.	495.	420.	343.	395.	441.	484.	438.	436.	420.	371.	431.
PRECIP.	97.	69.	65.	240.	347.	234.	179.	196.	159.	277.	279.	199.	2341.
POT ET	160.	167.	177.	129.	110.	122.	141.	156.	154.	160.	160.	148.	1783.
DEF PREC	63.	98.	112.	-111.	-237.	-112.	-38.	-40.	-5.	-117.	-119.	-51.	-558.
DEF PREC	61.	40.	37.	172.	255.	167.	125.	133.	109.	201.	202.	140.	
MAI	0.38	0.24	0.21	1.33	2.31	1.37	0.89	0.88	0.71	1.26	1.26	0.95	

CAUCAGUA	LAT 10 17 LON 66 22 62. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.3	25.6	26.4	26.8	26.5	26.5	26.9	27.3	26.9	26.4	25.8	26.3
MEAN R.H.	90.	68.	64.	75.	82.	83.	82.	78.	79.	76.	30.	94.	79.
PCT SUN	41.	72.	77.	63.	54.	52.	54.	60.	58.	62.	56.	32.	57.
MEAN RAD.	363.	528.	531.	500.	417.	385.	401.	464.	456.	497.	442.	307.	441.
PRECIP.	147.	65.	55.	76.	176.	264.	321.	256.	169.	157.	207.	261.	2154.
POT ET	143.	170.	188.	154.	134.	119.	128.	150.	159.	179.	167.	128.	1818.
DEF PREC	-4.	105.	133.	78.	-42.	-145.	-193.	-106.	-10.	22.	-40.	-134.	-336.
DEP PREC	100.	37.	29.	45.	122.	190.	235.	184.	117.	108.	146.	188.	
MAI	0.70	0.22	0.15	0.29	0.91	1.61	1.83	1.23	0.73	0.60	0.88	1.48	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

CENGE	LAT 9 29 LON 70 7 3001. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.2	16.3	16.7	17.4	17.8	17.5	17.6	17.9	18.3	17.9	17.4	16.8	17.3
MEAN R.H.	77.	82.	77.	94.	84.	87.	88.	82.	83.	83.	87.	77.	83.
PCT SUN	61.	53.	62.	31.	52.	45.	43.	54.	53.	53.	45.	61.	51.
MEAN RAD.	461.	442.	470.	355.	411.	363.	364.	446.	437.	454.	384.	452.	421.
PRECIP.	12.	21.	34.	100.	84.	65.	47.	47.	64.	91.	71.	19.	655.
POT ET	136.	115.	133.	86.	104.	88.	92.	114.	121.	131.	118.	139.	1377.
DEF PREC	124.	94.	99.	-14.	20.	23.	45.	67.	57.	40.	47.	120.	722.
DEP PREC	0.	3.	13.	64.	51.	37.	23.	23.	35.	57.	41.	1.	
MAI	0.00	0.02	0.10	0.74	0.49	0.41	0.25	0.20	0.30	0.43	0.35	0.01	

(EL)	LAT 9 32 LON 70 40 80. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.6	26.4	26.8	26.4	26.5	26.9	27.2	26.9	26.3	25.7	26.2
MEAN R.H.	73.	68.	69.	84.	80.	74.	68.	70.	79.	79.	77.	79.	75.
PCT SUN	66.	72.	71.	51.	56.	65.	72.	70.	58.	58.	61.	58.	63.
MEAN RAD.	482.	526.	510.	451.	429.	433.	468.	507.	459.	478.	464.	449.	471.
PRECIP.	35.	38.	50.	88.	132.	64.	53.	95.	116.	157.	123.	97.	1048.
POT ET	180.	169.	181.	139.	138.	133.	149.	163.	160.	173.	173.	172.	1930.
DEF PREC	144.	131.	131.	51.	6.	69.	96.	68.	44.	16.	50.	75.	882.
DEP PREC	14.	16.	25.	54.	89.	36.	27.	60.	76.	108.	81.	61.	
MAI	0.08	0.09	0.14	0.39	0.64	0.27	0.18	0.37	0.48	0.62	0.47	0.36	

CIUDAD BOLIVAR	LAT 8 9 LON 63 33 54. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.5	27.0	27.7	28.1	28.1	27.2	27.0	27.7	28.3	28.2	27.8	27.0	27.6
MEAN R.H.	72.	69.	66.	75.	77.	80.	76.	75.	74.	71.	73.	71.	73.
PCT SUN	67.	71.	74.	63.	61.	57.	62.	64.	65.	68.	66.	68.	65.
MEAN RAD.	483.	520.	521.	508.	454.	417.	442.	491.	492.	524.	479.	485.	485.
PRECIP.	31.	16.	10.	35.	119.	151.	181.	179.	109.	90.	59.	44.	1024.
POT ET	186.	175.	194.	163.	150.	131.	143.	161.	174.	194.	184.	199.	2043.
DEF PREC	155.	158.	184.	127.	31.	-20.	-38.	-18.	65.	104.	125.	145.	1019.
DEP PREC	10.	0.	0.	14.	79.	103.	126.	125.	71.	56.	32.	20.	
MAI	0.05	0.00	0.00	0.08	0.52	0.79	0.88	0.77	0.41	0.29	0.17	0.11	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CLARINES				LAT 9 56 LON 65 10				50. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.8	26.5	26.6	27.0	27.3	27.0	26.4	25.8	26.3
MEAN R.H.	68.	66.	65.	74.	70.	75.	73.	71.	75.	71.	73.	69.	71.
PCT SUN	72.	74.	75.	64.	69.	63.	67.	69.	64.	68.	66.	71.	69.
MEAN RAD.	512.	536.	524.	506.	473.	426.	448.	501.	484.	524.	497.	507.	494.
PRECIP.	6.	4.	3.	18.	26.	92.	137.	120.	104.	72.	41.	18.	641.
POT ET	189.	173.	186.	156.	152.	132.	143.	161.	168.	188.	191.	191.	2019.
DEF PREC	183.	169.	183.	138.	126.	40.	6.	41.	64.	116.	140.	173.	1379.
DEP PREC	0.	0.	0.	0.	6.	57.	92.	79.	67.	42.	18.	0.	
PAI	0.00	0.00	0.00	0.00	0.04	0.44	0.64	0.49	0.40	0.22	0.10	0.00	

COCOLLAR				LAT 10 10 LON 63 47				835. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.8	22.9	23.3	24.1	24.4	24.1	24.2	24.6	24.9	24.6	24.0	23.4	23.9
MEAN R.H.	76.	71.	64.	74.	75.	79.	78.	77.	77.	75.	80.	77.	75.
PCT SUN	62.	68.	76.	65.	63.	59.	60.	61.	61.	64.	57.	61.	63.
MEAN RAD.	467.	511.	530.	507.	451.	405.	423.	472.	470.	506.	447.	462.	471.
PRECIP.	40.	33.	29.	47.	67.	102.	127.	154.	127.	120.	105.	62.	1013.
POT ET	165.	156.	177.	148.	137.	118.	128.	144.	154.	172.	159.	166.	1823.
DEF PREC	125.	123.	148.	101.	70.	16.	1.	-10.	27.	52.	54.	104.	811.
DEP PREC	17.	12.	9.	23.	38.	65.	85.	105.	85.	79.	67.	34.	
PAI	0.10	0.08	0.05	0.15	0.28	0.55	0.66	0.73	0.55	0.46	0.42	0.21	

COJEDES				LAT 9 38 LON 68 50				160. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	25.0	25.3	26.1	26.5	26.2	26.2	26.6	27.0	26.6	26.1	25.5	26.0
MEAN R.H.	68.	67.	68.	81.	83.	82.	77.	75.	80.	78.	75.	71.	75.
PCT SUN	72.	72.	72.	55.	53.	54.	61.	63.	56.	59.	63.	69.	63.
MEAN RAD.	512.	529.	515.	471.	415.	395.	432.	482.	450.	484.	472.	496.	471.
PRECIP.	3.	14.	8.	66.	173.	218.	189.	185.	157.	162.	83.	31.	1289.
POT ET	197.	169.	182.	144.	133.	121.	137.	154.	156.	174.	175.	186.	1917.
DEF PREC	184.	155.	174.	78.	-40.	-97.	-52.	-31.	-1.	12.	92.	155.	629.
DEP PREC	0.	0.	0.	37.	120.	155.	133.	130.	108.	112.	50.	10.	
PAI	0.00	0.00	0.00	0.26	0.90	1.28	0.97	0.84	0.69	0.64	0.29	0.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

COLON		LAT 8 2 LON 72 15 757. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.1	23.5	24.3	24.7	24.4	24.4	24.8	25.1	24.8	24.2	23.6	24.2
MEAN R.H.	86.	75.	74.	92.	82.	80.	75.	74.	81.	83.	83.	86.	81.
PCT SUN	47.	64.	65.	36.	53.	57.	63.	65.	56.	52.	52.	47.	55.
MEAN RAD.	387.	489.	486.	386.	426.	415.	448.	497.	451.	448.	414.	386.	436.
PRECIP.	113.	75.	49.	72.	132.	91.	62.	89.	99.	199.	217.	162.	1361.
POT ET	143.	151.	165.	113.	130.	122.	136.	152.	150.	155.	150.	145.	1711.
DEF PREC	30.	76.	116.	41.	-2.	31.	74.	63.	50.	-44.	-67.	-17.	350.
DEP PREC	74.	45.	25.	42.	89.	57.	34.	55.	63.	141.	154.	112.	
MAI	0.52	0.29	0.15	0.37	0.68	0.46	0.25	0.36	0.42	0.90	1.03	0.77	

COLONIA TOVAR		LAT 10 25 LON 67 17 1791. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	14.1	14.3	14.9	15.9	16.3	15.8	15.5	15.7	15.9	15.8	15.5	14.8	15.4
MEAN R.H.	79.	76.	69.	85.	83.	85.	86.	81.	82.	82.	85.	80.	81.
PCT SUN	58.	63.	70.	50.	52.	50.	48.	55.	53.	54.	49.	57.	55.
MEAN RAD.	449.	487.	506.	443.	407.	374.	378.	445.	436.	461.	407.	448.	437.
PRECIP.	44.	21.	26.	58.	133.	136.	164.	161.	143.	178.	135.	62.	1266.
POT ET	125.	117.	134.	103.	99.	87.	90.	106.	113.	125.	116.	127.	1341.
DEF PREC	81.	96.	108.	45.	-39.	-49.	-74.	-55.	-30.	-53.	-19.	65.	76.
DEP PREC	20.	3.	6.	31.	93.	91.	113.	111.	97.	124.	91.	34.	
MAI	0.16	0.02	0.05	0.30	0.94	1.06	1.26	1.04	0.86	0.99	0.78	0.27	

CONCEPCION (LA)		LAT 10 14 LON 67 22 600. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.6	24.0	24.8	25.2	24.8	24.9	25.3	25.6	25.3	24.7	24.1	24.6
MEAN R.H.	84.	73.	66.	80.	81.	79.	76.	74.	79.	75.	76.	73.	76.
PCT SUN	52.	65.	74.	57.	55.	59.	62.	65.	59.	63.	62.	66.	62.
MEAN RAD.	419.	500.	522.	475.	420.	407.	430.	486.	460.	503.	468.	487.	465.
PRECIP.	90.	143.	133.	90.	146.	116.	132.	123.	124.	90.	52.	32.	1271.
POT ET	154.	156.	178.	141.	130.	121.	132.	151.	154.	175.	168.	177.	1835.
DEF PREC	64.	13.	45.	51.	-16.	5.	-0.	27.	30.	85.	116.	145.	565.
DEP PREC	56.	97.	89.	56.	99.	76.	89.	82.	82.	56.	27.	11.	
MAI	0.36	0.62	0.50	0.40	0.76	0.63	0.67	0.54	0.53	0.32	0.16	0.06	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CONCEPCION (LA)				LAT 10 37 LON 71 50				72. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.6	26.4	26.8	26.4	26.5	26.9	27.2	26.9	26.3	25.7	26.3
MEAN R.H.	70.	65.	67.	83.	78.	73.	66.	68.	79.	80.	76.	71.	73.
PCT SUN	70.	75.	73.	52.	59.	66.	74.	72.	59.	57.	63.	68.	66.
MEAN RAD.	506.	541.	517.	453.	434.	430.	469.	508.	460.	476.	474.	498.	480.
PRECIP.	13.	3.	4.	50.	94.	64.	33.	79.	93.	151.	94.	30.	708.
POT ET	187.	173.	183.	140.	139.	132.	150.	163.	160.	173.	176.	187.	1965.
DEF PREC	174.	170.	179.	89.	45.	68.	117.	84.	67.	22.	82.	157.	1257.
DEP PREC	0.	0.	0.	25.	59.	36.	12.	47.	58.	103.	59.	10.	
MAI	0.00	0.00	0.00	0.18	0.42	0.27	0.08	0.29	0.36	0.60	0.33	0.05	

CONSEJO (EL)				LAT 10 15 LON 67 16				534. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	23.8	24.2	25.0	25.4	25.0	25.1	25.5	25.8	25.5	24.9	24.3	24.8
MEAN R.H.	79.	70.	66.	80.	80.	80.	78.	76.	79.	77.	77.	72.	76.
PCT SUN	58.	69.	74.	57.	57.	57.	60.	63.	58.	61.	61.	67.	62.
MEAN RAD.	451.	516.	523.	477.	429.	401.	422.	476.	457.	493.	462.	491.	466.
PRECIP.	61.	57.	23.	52.	123.	150.	174.	166.	136.	132.	82.	27.	1184.
POT ET	164.	161.	179.	142.	133.	119.	130.	148.	154.	172.	167.	179.	1850.
DEF PREC	103.	104.	156.	90.	10.	-31.	-44.	-17.	18.	40.	85.	152.	665.
DEP PREC	34.	31.	4.	26.	82.	102.	121.	114.	92.	89.	50.	8.	
MAI	0.20	0.19	0.03	0.19	0.61	0.86	0.93	0.77	0.59	0.51	0.30	0.04	

COPEY (EL)				LAT 10 59 LON 63 54				361. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.3	24.7	25.5	25.9	25.6	25.6	26.0	26.3	26.0	25.5	24.8	25.4
MEAN R.H.	92.	68.	63.	69.	70.	73.	70.	71.	70.	71.	82.	91.	74.
PCT SUN	36.	71.	78.	71.	70.	65.	70.	68.	70.	69.	54.	37.	63.
MEAN RAD.	337.	527.	535.	526.	469.	425.	452.	493.	504.	528.	434.	345.	465.
PRECIP.	165.	53.	46.	22.	12.	51.	62.	108.	35.	62.	207.	219.	1041.
POT ET	132.	166.	185.	159.	148.	128.	141.	155.	170.	185.	161.	136.	1868.
DEF PREC	-33.	113.	138.	137.	135.	78.	79.	48.	136.	123.	-46.	-82.	827.
DEP PREC	114.	27.	22.	3.	0.	25.	35.	70.	13.	35.	146.	155.	
MAI	0.86	0.17	0.12	0.02	0.00	0.20	0.25	0.45	0.08	0.19	0.91	1.14	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

CORO	LAT 11 25 LON 69 41 21. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.1	27.2	27.6	28.1	28.8	29.0	29.3	29.8	29.9	29.1	28.1	27.4	28.4
MEAN R.H.	71.	69.	63.	78.	73.	69.	64.	64.	74.	75.	76.	73.	71.
PCT SUN	68.	71.	77.	60.	65.	70.	76.	76.	64.	64.	63.	65.	68.
MEAN RAD.	501.	527.	533.	483.	451.	438.	467.	518.	481.	508.	477.	490.	489.
PRECIP.	21.	136.	133.	158.	43.	17.	33.	28.	51.	72.	92.	41.	826.
POT ET	195.	178.	197.	155.	151.	143.	159.	178.	177.	192.	185.	192.	2103.
DEF PREC	174.	42.	65.	-3.	108.	127.	126.	150.	126.	120.	92.	151.	1278.
DEP PREC	2.	92.	89.	108.	20.	0.	12.	8.	26.	42.	58.	18.	
MAI	0.01	0.52	0.45	0.70	0.13	0.00	0.07	0.05	0.15	0.22	0.31	0.10	

COROZAL	LAT 10 26 LON 64 9 80. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.6	26.4	26.8	26.4	26.5	26.9	27.2	26.9	26.3	25.7	26.2
MEAN R.H.	73.	66.	62.	71.	76.	76.	76.	73.	75.	74.	76.	73.	73.
PCT SUN	66.	74.	78.	68.	62.	63.	63.	66.	64.	64.	62.	66.	66.
MEAN RAD.	486.	536.	537.	519.	445.	420.	431.	488.	481.	508.	469.	488.	484.
PRECIP.	33.	25.	12.	25.	104.	107.	197.	162.	117.	147.	108.	42.	1080.
POT ET	181.	172.	189.	160.	143.	130.	137.	157.	167.	183.	175.	184.	1977.
DEF PREC	147.	147.	177.	135.	39.	22.	-60.	-5.	50.	36.	67.	142.	897.
DEP PREC	12.	6.	0.	6.	67.	69.	139.	111.	77.	100.	70.	19.	
MAI	0.07	0.03	0.00	0.04	0.47	0.54	1.01	0.71	0.46	0.55	0.40	0.10	

COROZO PANDO	LAT 8 30 LON 67 36 80. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.2	25.6	26.4	26.8	26.4	26.5	26.9	27.2	26.9	26.3	25.7	26.2
MEAN R.H.	67.	68.	69.	82.	83.	83.	80.	79.	82.	78.	74.	67.	76.
PCT SUN	73.	72.	71.	54.	52.	52.	56.	58.	54.	60.	64.	73.	62.
MEAN RAD.	508.	524.	509.	471.	417.	394.	420.	465.	444.	486.	473.	507.	468.
PRECIP.	4.	0.	4.	48.	196.	236.	259.	269.	200.	172.	83.	13.	1483.
POT ET	188.	169.	181.	145.	134.	121.	134.	149.	155.	176.	176.	190.	1917.
DEF PREC	183.	169.	177.	97.	-62.	-115.	-125.	-119.	-45.	4.	93.	178.	434.
DEP PREC	0.	0.	0.	24.	138.	169.	186.	194.	141.	119.	50.	0.	
MAI	0.00	0.00	0.00	0.16	1.03	1.39	1.39	1.30	0.91	0.68	0.29	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CRISTALINA (LA)				LAT 9 19		LON 70 20		2601. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.4	17.5	17.9	18.7	19.1	18.7	18.8	19.2	19.5	19.2	18.6	18.0	18.5
MEAN R.H.	80.	81.	75.	93.	86.	87.	89.	83.	83.	83.	86.	79.	84.
PCT SUN	57.	55.	63.	34.	48.	45.	43.	53.	53.	52.	47.	58.	51.
MEAN RAD.	444.	451.	476.	367.	398.	363.	364.	441.	435.	450.	392.	445.	419.
PRECIP.	35.	37.	56.	104.	133.	105.	106.	106.	83.	124.	91.	49.	1029.
POT ET	137.	121.	139.	93.	105.	92.	95.	116.	125.	135.	124.	139.	1420.
DEF PREC	101.	84.	83.	-11.	-28.	-13.	-11.	11.	42.	11.	33.	90.	391.
DEP PREC	14.	15.	30.	67.	89.	67.	68.	68.	51.	82.	57.	24.	
MAI	0.10	0.12	0.21	0.72	0.85	0.74	0.72	0.59	0.40	0.61	0.46	0.17	

CRUCES (LAS)				LAT 9 15		LON 70 41		1200. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.7	21.8	22.2	22.9	23.3	23.0	23.1	23.4	23.8	23.4	22.9	22.3	22.8
MEAN R.H.	77.	75.	72.	89.	82.	80.	78.	76.	79.	80.	80.	79.	79.
PCT SUN	60.	64.	67.	42.	55.	56.	59.	63.	58.	57.	56.	58.	58.
MEAN RAD.	457.	490.	495.	413.	424.	406.	427.	481.	458.	472.	440.	445.	451.
PRECIP.	42.	50.	61.	110.	112.	72.	72.	94.	73.	117.	84.	78.	966.
POT ET	158.	146.	162.	117.	125.	115.	125.	142.	147.	157.	152.	157.	1704.
DEF PREC	115.	96.	101.	7.	13.	43.	53.	48.	74.	40.	68.	79.	737.
DEP PREC	19.	25.	34.	72.	73.	42.	42.	59.	43.	77.	51.	47.	
MAI	0.12	0.17	0.21	0.61	0.58	0.37	0.34	0.42	0.29	0.49	0.34	0.30	

CUMANA				LAT 10 28		LON 64 11		3. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.7	26.0	26.5	27.0	27.5	27.2	26.9	27.3	27.5	27.6	27.2	26.4	26.9
MEAN R.H.	69.	65.	62.	71.	69.	71.	67.	67.	71.	69.	73.	71.	69.
PCT SUN	71.	75.	78.	69.	71.	68.	73.	73.	69.	71.	66.	68.	71.
MEAN RAD.	511.	540.	537.	521.	474.	438.	465.	513.	502.	536.	487.	498.	502.
PRECIP.	9.	12.	5.	5.	18.	33.	61.	69.	57.	42.	52.	31.	391.
POT ET	191.	177.	194.	163.	155.	138.	150.	167.	174.	195.	184.	190.	2078.
DEF PREC	183.	165.	189.	157.	137.	105.	89.	98.	118.	153.	133.	159.	1686.
DEP PREC	0.	0.	0.	0.	0.	12.	34.	40.	30.	19.	26.	10.	
MAI	0.00	0.00	0.00	0.00	0.00	0.08	0.22	0.24	0.17	0.10	0.14	0.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

CUMAREBO	LAT 11 29 LON 69 21 13. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.3	24.5	25.5	26.9	26.1	26.4	26.9	28.6	28.2	26.8	25.6	26.2
MEAN R.H.	81.	66.	63.	77.	76.	73.	67.	66.	75.	76.	78.	86.	74.
PCT SUN	56.	74.	77.	60.	62.	66.	73.	74.	63.	62.	60.	47.	65.
MEAN RAD.	443.	538.	533.	484.	440.	422.	460.	512.	477.	501.	465.	400.	473.
PRECIP.	79.	69.	54.	63.	79.	92.	68.	54.	68.	102.	137.	159.	1023.
POT ET	164.	169.	183.	146.	141.	129.	146.	165.	171.	186.	175.	156.	1932.
DEF PREC	85.	100.	129.	83.	64.	37.	78.	110.	103.	84.	38.	-3.	909.
DEP PREC	47.	40.	28.	35.	46.	57.	39.	28.	39.	66.	92.	109.	
MAI	0.29	0.24	0.16	0.24	0.33	0.44	0.27	0.17	0.23	0.35	0.53	0.70	

CURARIGUA	LAT 9 58 LON 69 56 700. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.3	23.7	24.5	24.9	24.5	24.6	25.0	25.3	25.0	24.4	23.8	24.3
MEAN R.H.	74.	70.	70.	84.	79.	76.	71.	70.	77.	80.	78.	73.	75.
PCT SUN	65.	69.	70.	51.	58.	63.	69.	70.	60.	57.	60.	65.	63.
MEAN RAD.	433.	516.	504.	449.	432.	424.	455.	504.	468.	475.	457.	483.	471.
PRECIP.	27.	16.	19.	49.	100.	38.	16.	45.	70.	148.	82.	40.	650.
POT ET	171.	159.	171.	132.	132.	125.	139.	155.	155.	164.	163.	174.	1842.
DEF PREC	145.	143.	152.	83.	32.	87.	123.	110.	85.	16.	31.	135.	1192.
DEP PREC	7.	0.	1.	24.	64.	16.	0.	21.	41.	101.	50.	17.	
MAI	0.04	0.00	0.01	0.18	0.48	0.13	0.00	0.14	0.26	0.61	0.30	0.10	

CURATAQUICHA	LAT 9 57 LON 64 35 50. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.8	26.5	26.6	27.0	27.3	27.0	26.4	25.8	26.3
MEAN R.H.	71.	66.	65.	72.	72.	77.	74.	73.	75.	73.	75.	72.	72.
PCT SUN	69.	74.	75.	67.	67.	60.	65.	66.	63.	66.	63.	68.	67.
MEAN RAD.	498.	535.	527.	516.	465.	416.	443.	490.	479.	514.	473.	493.	487.
PRECIP.	21.	13.	11.	18.	52.	138.	159.	164.	123.	121.	94.	40.	954.
POT ET	185.	172.	187.	159.	149.	128.	141.	158.	167.	185.	177.	186.	1994.
DEF PREC	164.	159.	176.	141.	97.	-10.	-18.	-6.	44.	64.	33.	146.	1040.
DEP PREC	3.	0.	0.	0.	27.	93.	109.	113.	81.	80.	59.	17.	
MAI	0.01	0.00	0.00	0.00	0.18	0.73	0.77	0.72	0.49	0.43	0.33	0.09	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

CURUPAO		LAT 10 30 LON 66 38 420. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.2	24.5	25.3	25.7	25.4	25.4	25.8	26.2	25.8	25.3	24.7	25.2
MEAN R.H.	75.	69.	65.	77.	78.	80.	74.	73.	78.	77.	79.	77.	75.
PCT SUN	64.	71.	75.	61.	59.	56.	64.	66.	59.	61.	59.	61.	63.
MEAN RAD.	478.	525.	527.	492.	433.	399.	436.	486.	462.	495.	455.	464.	471.
PRECIP.	37.	34.	15.	43.	113.	173.	127.	135.	133.	141.	122.	69.	1143.
POT ET	174.	165.	182.	148.	136.	120.	136.	153.	157.	174.	166.	172.	1882.
DEF PREC	137.	131.	166.	105.	22.	-53.	9.	18.	24.	33.	44.	103.	739.
DEF PREC	15.	13.	0.	20.	74.	120.	85.	91.	89.	96.	91.	40.	
MAI	0.08	0.08	0.00	0.14	0.55	1.00	0.62	0.59	0.57	0.55	0.48	0.23	

CHEJENDE		LAT 9 39 LON 70 20 1042. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.1	22.3	22.6	23.4	23.8	23.5	23.5	23.9	24.3	23.9	23.4	22.8	23.3
MEAN R.H.	79.	73.	71.	88.	82.	78.	76.	73.	80.	80.	83.	80.	79.
PCT SUN	58.	66.	68.	45.	54.	60.	62.	66.	57.	57.	52.	57.	59.
MEAN RAD.	449.	500.	497.	424.	420.	415.	434.	494.	455.	474.	420.	442.	452.
PRECIP.	55.	39.	64.	115.	124.	46.	59.	55.	89.	123.	172.	87.	1027.
POT ET	157.	151.	165.	121.	126.	119.	129.	148.	148.	160.	149.	158.	1730.
DEF PREC	103.	111.	101.	6.	2.	73.	70.	93.	59.	37.	-23.	71.	703.
DEF PREC	29.	17.	36.	75.	82.	22.	32.	29.	55.	82.	119.	54.	
MAI	0.18	0.11	0.22	0.62	0.65	0.18	0.25	0.20	0.37	0.51	0.80	0.34	

CHIVACOA		LAT 10 10 LON 68 52 410. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.2	24.6	25.4	25.7	25.4	25.5	25.9	26.2	25.9	25.3	24.7	25.2
MEAN R.H.	71.	68.	66.	81.	82.	81.	80.	74.	77.	76.	78.	74.	76.
PCT SUN	68.	72.	74.	56.	54.	56.	57.	65.	61.	62.	60.	65.	63.
MEAN RAD.	498.	528.	521.	469.	417.	398.	415.	487.	470.	496.	460.	483.	470.
PRECIP.	15.	1.	6.	62.	153.	177.	220.	139.	86.	103.	104.	42.	1108.
POT ET	180.	166.	180.	141.	131.	120.	129.	153.	159.	175.	168.	178.	1880.
DEF PREC	165.	165.	174.	79.	-22.	-57.	-91.	14.	73.	72.	64.	136.	772.
DEF PREC	0.	0.	0.	34.	105.	123.	156.	94.	53.	66.	67.	19.	
MAI	0.00	0.00	0.00	0.24	0.80	1.03	1.21	0.61	0.33	0.38	0.40	0.11	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

DABAJURO		LAT 11 2 LON 70 9 100. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	69.	65.	64.	81.	79.	72.	58.	69.	79.	79.	74.	70.	72.
PCT SUN	71.	75.	76.	56.	59.	67.	72.	71.	59.	58.	64.	69.	66.
MEAN RAD.	511.	542.	529.	467.	429.	429.	459.	504.	458.	480.	483.	505.	483.
PRECIP.	7.	7.	3.	38.	111.	56.	67.	88.	113.	162.	59.	16.	727.
POT ET	188.	173.	187.	144.	137.	132.	146.	162.	159.	173.	179.	189.	1970.
DEF PREC	181.	166.	184.	105.	26.	76.	79.	74.	46.	11.	120.	173.	1243.
DEP PREC	0.	0.	0.	16.	72.	30.	38.	54.	74.	112.	32.	0.	
MAI	0.00	0.00	0.00	0.11	0.53	0.22	0.26	0.34	0.46	0.64	0.19	0.00	

DUACA		LAT 10 17 LON 69 11 735. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.2	23.6	24.4	24.8	24.4	24.5	24.9	25.2	24.9	24.3	23.7	24.2
MEAN R.H.	70.	70.	68.	84.	78.	77.	78.	71.	76.	76.	79.	75.	75.
PCT SUN	69.	69.	72.	51.	59.	60.	60.	68.	62.	62.	59.	64.	63.
MEAN RAD.	502.	517.	514.	451.	435.	413.	422.	496.	476.	497.	453.	477.	471.
PRECIP.	6.	22.	23.	47.	87.	76.	146.	70.	49.	79.	93.	43.	742.
POT ET	177.	158.	174.	132.	133.	121.	128.	152.	157.	171.	152.	172.	1838.
DEF PREC	171.	136.	151.	85.	47.	45.	-18.	82.	109.	92.	68.	129.	1096.
DEP PREC	0.	3.	4.	23.	53.	46.	99.	41.	24.	47.	59.	20.	
MAI	0.00	0.02	0.02	0.17	0.40	0.37	0.78	0.27	0.15	0.28	0.36	0.12	

EMPEDRADO (EL)		LAT 9 49 LON 70 27 922. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.5	22.6	23.0	23.8	24.2	23.8	23.9	24.3	24.6	24.3	23.7	23.1	23.7
MEAN R.H.	77.	72.	71.	87.	83.	79.	74.	74.	82.	81.	81.	75.	78.
PCT SUN	62.	67.	68.	46.	52.	59.	64.	65.	54.	55.	56.	64.	59.
MEAN RAD.	465.	507.	499.	429.	410.	411.	441.	488.	439.	465.	440.	476.	456.
PRECIP.	41.	28.	46.	91.	153.	74.	47.	87.	138.	163.	113.	45.	1031.
POT ET	164.	154.	167.	124.	124.	119.	132.	148.	144.	159.	156.	169.	1758.
DEF PREC	123.	126.	121.	33.	-29.	45.	85.	61.	6.	-4.	38.	124.	728.
DEP PREC	18.	8.	22.	57.	105.	44.	23.	54.	93.	112.	78.	21.	
MAI	0.11	0.05	0.13	0.46	0.85	0.37	0.17	0.36	0.64	0.71	0.50	0.13	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

ENCANTO (EL)		LAT 10 19 LON 67 10 1150. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	21.9	22.3	23.1	23.5	23.2	23.2	23.6	23.9	23.6	23.0	22.4	23.0
MEAN R.H.	75.	72.	68.	82.	82.	84.	83.	79.	82.	79.	82.	79.	79.
PCT SUN	64.	67.	72.	54.	54.	51.	53.	58.	54.	59.	54.	59.	58.
MEAN RAD.	477.	507.	514.	461.	416.	379.	396.	457.	439.	483.	431.	455.	451.
PRECIP.	26.	10.	17.	38.	136.	180.	187.	178.	164.	137.	125.	66.	1264.
POT ET	164.	151.	168.	131.	124.	108.	116.	136.	142.	162.	151.	160.	1712.
DEF PREC	138.	141.	151.	93.	-12.	-72.	-70.	-42.	-22.	25.	26.	94.	448.
DEP PREC	6.	0.	0.	16.	91.	126.	131.	124.	113.	92.	83.	37.	
MAI	0.04	0.00	0.00	0.12	0.74	1.17	1.12	0.91	0.80	0.57	0.55	0.23	

ENCRUCIJADA		LAT 9 13 LON 67 2 120. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.2	26.6	26.3	26.4	26.7	27.1	26.7	26.2	25.6	26.1
MEAN R.H.	68.	67.	67.	80.	80.	81.	77.	75.	80.	76.	73.	68.	74.
PCT SUN	72.	73.	73.	57.	56.	55.	61.	63.	57.	62.	65.	72.	64.
MEAN RAD.	510.	529.	519.	477.	431.	402.	432.	482.	457.	498.	481.	508.	477.
PRECIP.	3.	0.	10.	32.	150.	197.	201.	193.	162.	135.	51.	11.	1147.
POT ET	188.	170.	183.	146.	138.	123.	137.	155.	159.	179.	178.	190.	1946.
DEF PREC	185.	170.	173.	114.	-12.	-74.	-64.	-38.	-4.	44.	127.	179.	798.
DEP PREC	0.	0.	0.	11.	102.	139.	142.	136.	112.	91.	26.	0.	
MAI	0.00	0.00	0.00	0.08	0.74	1.12	1.04	0.88	0.71	0.51	0.15	0.00	

ESCUQUE		LAT 9 18 LON 70 41 1150. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	21.9	22.3	23.1	23.5	23.2	23.2	23.6	23.9	23.6	23.0	22.4	23.0
MEAN R.H.	75.	74.	72.	89.	81.	80.	77.	75.	81.	79.	80.	75.	78.
PCT SUN	64.	64.	68.	43.	56.	57.	60.	63.	56.	58.	57.	63.	59.
MEAN RAD.	474.	493.	496.	416.	428.	409.	430.	482.	450.	477.	441.	469.	455.
PRECIP.	27.	43.	42.	91.	101.	66.	64.	95.	97.	100.	34.	46.	856.
POT ET	163.	148.	163.	118.	127.	116.	127.	143.	145.	160.	153.	164.	1728.
DEF PREC	136.	105.	121.	27.	26.	50.	63.	48.	48.	60.	69.	118.	872.
DEP PREC	7.	20.	19.	57.	65.	37.	36.	60.	61.	64.	51.	22.	
MAI	0.04	0.13	0.12	0.48	0.51	0.32	0.28	0.42	0.42	0.40	0.33	0.13	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

ESPIBAL (EL)					LAT 10 56 LON 64 3			60. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.3	25.6	26.4	26.8	26.5	26.5	26.9	27.3	26.9	26.4	25.8	26.3
MEAN R.H.	79.	66.	62.	69.	68.	71.	66.	67.	71.	69.	74.	77.	70.
PCT SUN	58.	74.	78.	70.	71.	68.	74.	73.	69.	70.	65.	61.	69.
MEAN RAD.	451.	539.	536.	524.	474.	434.	465.	509.	498.	535.	485.	465.	493.
PRECIP.	70.	29.	15.	3.	7.	41.	48.	70.	64.	46.	56.	78.	526.
POT ET	170.	173.	190.	161.	152.	134.	148.	164.	172.	192.	180.	177.	2014.
DEF PREC	100.	145.	175.	158.	145.	93.	100.	94.	108.	146.	124.	99.	1488.
DEP PREC	41.	8.	0.	0.	0.	18.	24.	41.	36.	22.	30.	47.	
MAI	0.24	0.05	0.00	0.00	0.00	0.13	0.16	0.25	0.21	0.11	0.16	0.26	

ESTANQUEZ					LAT 8 28 LON 71 33			442. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.1	24.5	25.3	25.6	25.3	25.4	25.8	26.1	25.8	25.2	24.6	25.1
MEAN R.H.	70.	71.	72.	89.	77.	76.	71.	69.	76.	78.	75.	74.	75.
PCT SUN	69.	69.	67.	42.	61.	63.	68.	71.	62.	60.	63.	65.	63.
MEAN RAD.	494.	511.	493.	415.	451.	434.	464.	516.	477.	488.	467.	473.	474.
PRECIP.	14.	18.	26.	61.	70.	37.	36.	38.	44.	84.	65.	55.	548.
POT ET	178.	161.	171.	124.	141.	130.	144.	162.	161.	172.	169.	175.	1889.
DEF PREC	164.	143.	145.	63.	71.	93.	108.	124.	117.	88.	104.	120.	1341.
DEP PREC	0.	0.	6.	34.	41.	15.	14.	16.	20.	51.	37.	29.	
MAI	0.00	0.00	0.04	0.27	0.29	0.12	0.10	0.10	0.13	0.30	0.22	0.17	

GRITA (LA)					LAT 8 8 LON 71 59			1441. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.9	21.0	21.4	22.2	22.6	22.3	22.3	22.7	23.0	22.7	22.2	21.5	22.1
MEAN R.H.	75.	77.	75.	93.	84.	83.	80.	75.	81.	83.	82.	77.	80.
PCT SUN	64.	61.	63.	35.	51.	53.	57.	63.	55.	52.	54.	61.	56.
MEAN RAD.	469.	477.	479.	377.	416.	399.	424.	487.	447.	449.	423.	454.	442.
PRECIP.	24.	31.	39.	88.	134.	87.	58.	58.	84.	161.	111.	59.	933.
POT ET	158.	140.	154.	105.	121.	111.	122.	142.	141.	148.	145.	156.	1642.
DEF PREC	134.	109.	115.	17.	13.	24.	64.	84.	57.	13.	34.	97.	709.
DEP PREC	5.	11.	17.	54.	90.	53.	31.	31.	52.	111.	72.	32.	
MAI	0.03	0.08	0.11	0.52	0.75	0.48	0.25	0.22	0.37	0.75	0.50	0.21	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

GUACHE		LAT 9 26 LON 69 22 350. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.4	24.8	25.5	25.9	25.6	25.7	26.0	26.4	26.0	25.5	24.9	25.4
MEAN R.H.	69.	68.	69.	84.	86.	85.	80.	76.	80.	80.	76.	71.	77.
PCT SUN	70.	71.	71.	51.	48.	48.	56.	62.	57.	56.	62.	68.	60.
MEAN RAD.	504.	524.	510.	453.	395.	375.	415.	478.	455.	472.	464.	491.	461.
PRECIP.	8.	3.	14.	85.	222.	278.	233.	184.	131.	186.	90.	32.	1466.
POT ET	182.	165.	177.	137.	124.	113.	130.	151.	155.	158.	170.	181.	1855.
DEF PREC	174.	162.	163.	52.	-98.	-164.	-103.	-33.	24.	-18.	80.	149.	389.
DEP PREC	0.	0.	0.	52.	158.	201.	166.	129.	88.	130.	56.	11.	
MAI	0.00	0.00	0.00	0.38	1.27	1.77	1.28	0.85	0.56	0.78	0.33	0.06	

GUAMAS DE MONAY		LAT 9 39 LON 70 26 600. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.6	24.0	24.8	25.2	24.8	24.9	25.3	25.6	25.3	24.7	24.1	24.6
MEAN R.H.	76.	71.	70.	86.	83.	77.	74.	74.	81.	80.	81.	80.	78.
PCT SUN	62.	68.	69.	48.	53.	61.	65.	65.	56.	56.	55.	57.	60.
MEAN RAD.	466.	510.	503.	437.	414.	418.	444.	490.	448.	472.	435.	443.	457.
PRECIP.	44.	55.	69.	111.	154.	75.	79.	114.	126.	156.	170.	96.	1249.
POT ET	168.	159.	172.	129.	128.	124.	136.	152.	151.	165.	158.	163.	1806.
DEF PREC	124.	103.	103.	18.	-26.	49.	57.	39.	25.	9.	-12.	67.	557.
DEP PREC	20.	29.	40.	72.	105.	44.	47.	75.	84.	107.	118.	61.	
MAI	0.12	0.18	0.23	0.56	0.82	0.36	0.35	0.49	0.56	0.65	0.74	0.37	

GUANARE		LAT 9 3 LON 69 45 183. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.9	25.3	26.1	26.4	26.1	26.2	26.6	26.9	26.6	26.0	25.4	25.9
MEAN R.H.	70.	68.	68.	84.	88.	83.	81.	77.	81.	79.	76.	71.	77.
PCT SUN	69.	71.	72.	51.	45.	52.	55.	60.	55.	58.	62.	68.	60.
MEAN RAD.	497.	523.	512.	453.	385.	390.	414.	474.	447.	478.	466.	490.	461.
PRECIP.	15.	16.	19.	167.	255.	238.	265.	222.	158.	167.	99.	35.	1656.
POT ET	183.	167.	181.	138.	123.	119.	131.	151.	155.	172.	173.	183.	1876.
DEF PREC	167.	151.	162.	-28.	-132.	-119.	-134.	-71.	-4.	5.	73.	149.	220.
DEP PREC	0.	0.	1.	115.	183.	171.	191.	159.	109.	115.	63.	13.	
MAI	0.00	0.00	0.00	0.83	1.49	1.43	1.46	1.04	0.70	0.67	0.37	0.07	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

GUAPU (EL)		LAT 10 10		LON 65 58		43. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.9	26.5	26.6	27.0	27.3	27.0	26.4	25.8	26.4
MEAN R.H.	90.	69.	63.	74.	79.	81.	81.	78.	79.	77.	84.	94.	79.
PCT SUN	39.	71.	77.	65.	58.	56.	55.	60.	59.	61.	52.	32.	57.
MEAN RAD.	353.	524.	535.	508.	431.	398.	406.	467.	459.	491.	419.	309.	442.
PRECIP.	155.	93.	62.	87.	142.	209.	305.	250.	167.	185.	290.	259.	2204.
POT ET	140.	169.	189.	157.	139.	123.	130.	151.	160.	178.	160.	128.	1823.
DEF PREC	-15.	76.	127.	70.	-3.	-86.	-175.	-99.	-7.	-7.	-130.	-131.	-381.
DEP PREC	106.	58.	34.	54.	96.	148.	222.	180.	115.	129.	211.	187.	
MAI	0.76	0.34	0.18	0.34	0.69	1.20	1.71	1.19	0.72	0.73	1.32	1.45	

GUARDIA (LA)		LAT 11 1		LON 64 1		10. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.6	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	73.	65.	60.	69.	68.	72.	66.	68.	71.	68.	74.	78.	69.
PCT SUN	66.	76.	81.	71.	71.	67.	74.	72.	68.	72.	65.	60.	70.
MEAN RAD.	491.	544.	547.	526.	474.	431.	466.	506.	499.	541.	487.	462.	498.
PRECIP.	30.	9.	10.	1.	8.	57.	47.	89.	62.	28.	54.	78.	474.
POT ET	183.	175.	194.	163.	153.	133.	149.	163.	173.	194.	181.	177.	2039.
DEF PREC	153.	167.	184.	161.	144.	76.	102.	75.	111.	166.	127.	99.	1565.
DEP PREC	10.	0.	0.	0.	0.	31.	23.	55.	35.	8.	28.	47.	
MAI	0.05	0.00	0.00	0.00	0.00	0.23	0.15	0.34	0.20	0.04	0.16	0.26	

GUATOPARO		LAT 10 15		LON 68 4		747. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.1	23.2	23.6	24.3	24.7	24.4	24.4	24.8	25.2	24.8	24.3	23.7	24.2
MEAN R.H.	70.	70.	67.	82.	83.	82.	79.	78.	80.	78.	73.	73.	77.
PCT SUN	69.	70.	73.	54.	52.	54.	58.	60.	56.	59.	60.	66.	61.
MEAN RAD.	501.	519.	517.	461.	409.	391.	416.	467.	449.	484.	459.	487.	463.
PRECIP.	7.	3.	6.	56.	165.	169.	165.	182.	141.	140.	71.	29.	1134.
POT ET	176.	159.	174.	135.	125.	115.	126.	143.	149.	167.	164.	175.	1808.
DEF PREC	169.	156.	168.	79.	-40.	-54.	-39.	-39.	8.	27.	92.	146.	674.
DEP PREC	0.	0.	0.	30.	114.	117.	114.	127.	95.	95.	41.	9.	
MAI	0.00	0.00	0.00	0.22	0.91	1.02	0.90	0.89	0.64	0.57	0.25	0.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

GUATIRE		LAT 10 29 LON 66 53 321. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.2	20.5	20.7	21.5	21.6	21.5	21.2	21.9	22.4	22.5	21.8	21.0	21.4
MEAN R.H.	74.	67.	64.	76.	78.	80.	75.	71.	75.	74.	77.	77.	74.
PCT SUN	64.	73.	75.	62.	69.	56.	63.	68.	63.	65.	62.	61.	64.
MEAN RAD.	481.	531.	528.	495.	436.	398.	433.	495.	480.	510.	468.	464.	477.
PRECIP.	35.	13.	11.	35.	107.	181.	156.	111.	80.	87.	87.	71.	974.
POT ET	158.	151.	165.	135.	123.	108.	121.	141.	148.	165.	156.	157.	1728.
DEF PREC	123.	138.	154.	100.	16.	-73.	-35.	30.	68.	78.	69.	86.	754.
DEP PREC	14.	0.	0.	14.	69.	126.	107.	72.	48.	54.	54.	41.	
MAI	0.09	0.00	0.00	0.10	0.56	1.17	0.88	0.51	0.33	0.33	0.34	0.26	

GUAYABITA		LAT 10 15 LON 67 28 495. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.2	25.2	25.6	25.9	25.6	25.0	24.4	25.0
MEAN R.H.	70.	68.	66.	79.	77.	78.	76.	75.	79.	76.	76.	72.	74.
PCT SUN	70.	71.	74.	58.	60.	59.	63.	64.	58.	63.	62.	68.	64.
MEAN RAD.	503.	526.	523.	478.	440.	409.	433.	480.	458.	501.	468.	494.	476.
PRECIP.	8.	6.	10.	33.	92.	120.	133.	155.	132.	102.	65.	24.	880.
POT ET	180.	164.	180.	143.	137.	122.	134.	150.	155.	175.	169.	190.	1990.
DEF PREC	172.	158.	170.	110.	45.	2.	1.	-5.	23.	73.	104.	156.	1009.
DEP PREC	0.	0.	0.	12.	57.	79.	89.	106.	89.	65.	37.	5.	
MAI	0.00	0.00	0.00	0.08	0.42	0.65	0.67	0.71	0.57	0.37	0.22	0.03	

GUAYABO		LAT 8 38 LON 72 20 28. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.4	25.7	26.5	26.9	26.6	26.6	27.0	27.4	27.0	26.5	25.9	26.4
MEAN R.H.	85.	69.	72.	88.	87.	77.	72.	70.	80.	83.	78.	84.	79.
PCT SUN	49.	70.	67.	43.	46.	61.	67.	69.	56.	52.	59.	51.	58.
MEAN RAD.	401.	518.	495.	419.	393.	425.	459.	508.	453.	451.	451.	410.	449.
PRECIP.	114.	54.	75.	186.	234.	113.	110.	108.	120.	230.	170.	151.	1663.
POT ET	155.	168.	177.	129.	126.	131.	147.	164.	159.	165.	170.	160.	1852.
DEF PREC	41.	114.	103.	-57.	-107.	19.	36.	56.	39.	-65.	-1.	10.	189.
DEP PREC	74.	28.	44.	130.	167.	73.	72.	70.	79.	164.	118.	103.	
MAI	0.48	0.17	0.25	1.01	1.32	0.56	0.49	0.42	0.50	1.00	0.70	0.64	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

GUISQUE		LAT 10 4 LON 67 48 440. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.2	23.9	24.8	24.7	24.5	22.5	22.1	22.7	23.2	23.3	23.0	22.6	23.4
MEAN R.H.	69.	69.	65.	80.	80.	80.	77.	76.	79.	76.	76.	71.	75.
PCT SUN	71.	72.	75.	57.	57.	57.	61.	62.	58.	63.	62.	68.	64.
MEAN RAD.	509.	526.	524.	478.	430.	403.	428.	475.	457.	501.	468.	495.	475.
PRECIP.	2.	6.	10.	46.	123.	150.	162.	181.	136.	97.	70.	23.	1006.
POT ET	179.	164.	182.	141.	131.	113.	123.	138.	144.	165.	161.	172.	1814.
DEF PREC	177.	158.	172.	95.	9.	-37.	-39.	-43.	8.	69.	91.	149.	807.
DEP PREC	0.	0.	0.	22.	81.	102.	112.	126.	91.	61.	41.	4.	
MAI	0.00	0.00	0.00	0.16	0.62	0.91	0.91	0.91	0.63	0.37	0.25	0.02	

GUIRIA		LAT 10 35 LON 62 18 7. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.5	25.6	26.2	27.2	27.4	26.8	26.8	26.9	27.4	27.4	27.0	25.9	26.7
MEAN R.H.	75.	66.	61.	66.	72.	76.	71.	71.	74.	71.	75.	76.	71.
PCT SUN	64.	74.	80.	74.	67.	63.	68.	68.	65.	69.	63.	62.	68.
MEAN RAD.	480.	539.	543.	540.	461.	419.	449.	494.	486.	527.	474.	470.	490.
PRECIP.	41.	22.	13.	29.	65.	118.	129.	143.	127.	107.	98.	71.	963.
POT ET	181.	175.	194.	170.	150.	130.	144.	159.	169.	191.	179.	179.	2022.
DEF PREC	140.	153.	181.	141.	85.	12.	15.	16.	42.	84.	81.	108.	1059.
DEP PREC	18.	3.	0.	9.	37.	78.	86.	97.	85.	69.	62.	41.	
MAI	0.10	0.02	0.00	0.05	0.24	0.60	0.60	0.61	0.50	0.36	0.35	0.23	

INGENIO MATILDE		LAT 10 8 LON 68 52 394. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.2	24.6	25.4	25.8	25.5	25.5	25.9	26.2	25.9	25.4	24.7	25.3
MEAN R.H.	70.	68.	66.	81.	92.	81.	79.	73.	77.	76.	77.	72.	75.
PCT SUN	70.	72.	74.	56.	53.	55.	58.	66.	61.	62.	61.	67.	63.
MEAN RAD.	503.	527.	522.	470.	414.	396.	418.	490.	471.	497.	463.	490.	472.
PRECIP.	10.	9.	8.	68.	162.	186.	207.	127.	84.	100.	94.	32.	1087.
POT ET	182.	166.	180.	141.	130.	119.	131.	154.	160.	175.	169.	180.	1888.
DEF PREC	172.	157.	172.	73.	-32.	-67.	-77.	27.	76.	75.	75.	148.	801.
DEP PREC	0.	0.	0.	39.	112.	130.	146.	85.	51.	64.	59.	11.	
MAI	0.00	0.00	0.00	0.28	0.86	1.09	1.12	0.55	0.32	0.36	0.35	0.06	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

IZCARAGUA		LAT 10 31 LON 65 41 600. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.6	24.0	24.8	25.2	24.8	24.9	25.3	25.6	25.3	24.7	24.1	24.6
MEAN R.H.	76.	70.	65.	77.	73.	81.	75.	74.	79.	76.	79.	77.	76.
PCT SUN	62.	70.	75.	60.	60.	55.	63.	65.	53.	62.	58.	60.	62.
MEAN RAD.	472.	520.	524.	488.	436.	394.	433.	483.	457.	497.	447.	463.	468.
PRECIP.	40.	38.	20.	46.	99.	169.	118.	129.	140.	122.	122.	68.	1110.
POT ET	170.	161.	179.	144.	135.	117.	133.	150.	153.	173.	163.	170.	1846.
DEF PREC	130.	123.	158.	99.	36.	-52.	15.	21.	14.	50.	40.	102.	737.
DEP PREC	17.	16.	2.	22.	63.	117.	77.	86.	94.	81.	81.	39.	
MAI	0.10	0.10	0.01	0.15	0.46	1.00	0.58	0.58	0.52	0.47	0.50	0.23	

JABON		LAT 9 52 LON 70 28 600. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.6	24.0	24.8	25.2	24.8	24.9	25.3	25.6	25.3	24.7	24.1	24.6
MEAN R.H.	76.	70.	70.	85.	86.	78.	71.	73.	82.	83.	81.	80.	78.
PCT SUN	62.	69.	69.	49.	48.	60.	68.	67.	55.	53.	55.	57.	59.
MEAN RAD.	466.	516.	503.	440.	394.	414.	453.	493.	443.	454.	435.	446.	455.
PRECIP.	45.	29.	66.	125.	204.	91.	40.	98.	140.	218.	171.	93.	1320.
POT ET	168.	160.	172.	130.	122.	123.	139.	153.	149.	160.	158.	164.	1798.
DEF PREC	123.	131.	106.	5.	-82.	32.	99.	55.	9.	-58.	-13.	71.	479.
DEP PREC	21.	9.	37.	83.	144.	57.	17.	62.	95.	155.	119.	58.	
MAI	0.13	0.05	0.22	0.64	1.18	0.46	0.12	0.41	0.63	0.97	0.75	0.35	

JAJO		LAT 9 5 LON 70 50 1797. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	17.0	18.4	18.1	18.4	19.1	19.4	18.9	19.2	19.2	18.9	18.3	17.9	18.6
MEAN R.H.	77.	77.	73.	91.	83.	84.	82.	79.	82.	82.	83.	75.	81.
PCT SUN	61.	61.	66.	38.	52.	51.	54.	58.	54.	53.	53.	63.	55.
MEAN RAD.	462.	477.	487.	391.	414.	389.	409.	463.	441.	456.	420.	468.	440.
PRECIP.	28.	19.	37.	122.	118.	86.	58.	104.	96.	139.	85.	32.	923.
POT ET	140.	130.	143.	98.	109.	100.	107.	123.	126.	135.	130.	145.	1486.
DEF PREC	112.	111.	106.	-24.	-9.	14.	49.	19.	30.	-3.	45.	113.	563.
DEP PREC	8.	1.	15.	81.	78.	53.	31.	67.	61.	93.	52.	11.	
MAI	0.06	0.01	0.11	0.82	0.71	0.53	0.29	0.54	0.48	0.69	0.40	0.08	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

JUAN GRIEGO					LAT 11 5 LON 63 58			7. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.6	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	81.	65.	59.	67.	68.	71.	66.	67.	69.	69.	75.	77.	69.
PCT SUN	56.	75.	81.	73.	72.	68.	75.	73.	70.	71.	63.	61.	70.
MEAN RAD.	443.	543.	549.	535.	474.	433.	466.	511.	507.	538.	477.	468.	495.
PRECIP.	77.	22.	27.	5.	6.	49.	47.	65.	37.	39.	92.	71.	539.
POT ET	169.	175.	194.	166.	153.	134.	149.	165.	176.	193.	178.	179.	2031.
DEF PREC	91.	153.	167.	161.	147.	85.	103.	100.	139.	154.	86.	108.	1492.
DEP PREC	46.	4.	7.	0.	0.	25.	23.	37.	15.	17.	58.	41.	
MAI	0.27	0.02	0.04	0.00	0.00	0.18	0.15	0.22	0.09	0.09	0.32	0.23	

JOSEPIN					LAT 9 45 LON 67 27			120. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.2	26.6	26.3	26.4	26.7	27.1	26.7	26.2	25.6	26.1
MEAN R.H.	75.	67.	67.	79.	78.	80.	75.	73.	76.	74.	75.	75.	74.
PCT SUN	64.	73.	73.	58.	59.	57.	63.	66.	63.	65.	64.	64.	64.
MEAN RAD.	476.	530.	518.	483.	439.	404.	438.	490.	479.	510.	475.	474.	476.
PRECIP.	42.	22.	14.	28.	114.	184.	172.	158.	91.	86.	78.	63.	1052.
POT ET	177.	170.	183.	148.	141.	124.	139.	157.	165.	183.	176.	179.	1943.
DEF PREC	135.	148.	169.	120.	27.	-60.	-33.	-1.	74.	97.	98.	116.	891.
DEP PREC	19.	3.	0.	8.	75.	129.	119.	109.	57.	53.	47.	35.	
MAI	0.11	0.02	0.00	0.05	0.53	1.04	0.86	0.69	0.34	0.29	0.26	0.20	

LAGUNILLAS					LAT 10 7 LON 71 16			5. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.5	27.8	28.1	28.7	28.4	27.7	28.2	28.5	28.6	28.8	28.5	28.7	28.3
MEAN R.H.	68.	66.	67.	84.	80.	75.	69.	70.	80.	80.	75.	71.	74.
PCT SUN	72.	74.	73.	51.	57.	64.	71.	70.	57.	57.	64.	68.	65.
MEAN RAD.	511.	538.	518.	449.	429.	427.	460.	504.	453.	475.	476.	495.	478.
PRECIP.	6.	9.	17.	50.	123.	90.	89.	107.	125.	165.	89.	32.	902.
POT ET	200.	183.	195.	146.	143.	136.	153.	168.	163.	180.	186.	200.	2052.
DEF PREC	193.	174.	178.	96.	20.	45.	64.	61.	37.	15.	98.	168.	1150.
DEP PREC	0.	0.	0.	25.	81.	56.	55.	69.	83.	114.	55.	11.	
MAI	0.00	0.00	0.00	0.17	0.57	0.42	0.36	0.41	0.51	0.63	0.29	0.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

MANO	LAT 10 32 LON 67 5 302. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	24.5	24.9	25.7	26.1	25.7	25.8	26.2	26.5	26.2	25.6	25.0	25.6
MEAN R.H.	77.	68.	65.	78.	76.	74.	70.	72.	77.	76.	79.	75.	74.
PCT SUN	61.	72.	75.	60.	62.	64.	69.	68.	61.	62.	59.	63.	65.
MEAN RAD.	465.	530.	525.	486.	445.	425.	453.	494.	472.	500.	455.	476.	477.
PRECIP.	52.	28.	25.	45.	80.	66.	71.	115.	104.	124.	137.	56.	903.
POT ET	171.	167.	183.	147.	141.	129.	142.	156.	161.	177.	168.	177.	1920.
DEF PREC	119.	140.	158.	102.	61.	63.	71.	41.	57.	53.	31.	121.	1018.
DEP PREC	27.	8.	6.	21.	48.	37.	41.	75.	67.	82.	92.	30.	
MAI	0.16	0.05	0.03	0.14	0.34	0.29	0.29	0.48	0.41	0.46	0.55	0.17	

MARACAIBO	LAT 10 39 LON 71 36 6. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.4	27.4	27.6	28.4	28.4	28.8	29.1	29.4	29.0	28.2	28.0	27.8	28.3
MEAN R.H.	67.	65.	67.	83.	76.	72.	66.	66.	77.	79.	75.	69.	72.
PCT SUN	73.	75.	73.	53.	62.	67.	74.	74.	61.	58.	64.	71.	67.
MEAN RAD.	518.	543.	518.	455.	443.	433.	468.	515.	471.	481.	479.	510.	436.
PRECIP.	2.	0.	7.	24.	70.	55.	45.	56.	67.	141.	83.	14.	564.
POT ET	201.	183.	193.	147.	148.	141.	159.	176.	179.	180.	185.	200.	2082.
DEF PREC	199.	183.	186.	123.	78.	86.	114.	119.	104.	38.	102.	186.	1518.
DEP PREC	0.	0.	0.	5.	41.	29.	21.	30.	38.	96.	51.	0.	
MAI	0.00	0.00	0.00	0.03	0.27	0.20	0.13	0.17	0.22	0.53	0.27	0.00	

MARACAY	LAT 10 15 LON 67 36 445. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	24.3	25.1	26.2	25.9	24.8	24.3	24.4	24.6	24.7	24.6	24.0	24.7
MEAN R.H.	69.	68.	65.	79.	79.	79.	76.	75.	79.	75.	76.	71.	74.
PCT SUN	71.	72.	75.	58.	58.	58.	63.	64.	59.	63.	62.	69.	64.
MEAN RAD.	508.	527.	524.	479.	432.	405.	433.	480.	461.	502.	470.	500.	477.
PRECIP.	4.	5.	8.	39.	115.	140.	142.	160.	125.	98.	65.	17.	917.
POT ET	181.	166.	183.	147.	136.	120.	131.	146.	151.	172.	168.	180.	1880.
DEF PREC	177.	161.	175.	106.	21.	-20.	-11.	-14.	26.	74.	103.	163.	963.
DEP PREC	0.	0.	0.	17.	75.	95.	96.	110.	83.	62.	37.	0.	
MAI	0.00	0.00	0.00	0.11	0.55	0.79	0.73	0.76	0.55	0.36	0.22	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

MARAPA		LAT 10 35 LON 67 3 15. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.6	26.7	27.1	27.4	27.1	26.5	25.9	26.4
MEAN R.H.	72.	66.	64.	76.	73.	71.	66.	66.	71.	71.	74.	73.	70.
PCT SUN	67.	74.	76.	62.	66.	68.	74.	74.	68.	68.	65.	66.	69.
MEAN RAD.	495.	538.	529.	494.	458.	436.	469.	515.	498.	525.	485.	487.	494.
PRECIP.	26.	25.	11.	15.	49.	39.	40.	54.	35.	43.	58.	46.	441.
POT ET	184.	174.	188.	153.	148.	135.	150.	166.	173.	189.	181.	185.	2026.
DEF PREC	159.	149.	177.	138.	99.	96.	110.	112.	138.	146.	123.	139.	1585.
DEP PREC	6.	6.	0.	0.	24.	17.	17.	28.	14.	20.	31.	22.	
MAI	0.03	0.03	0.00	0.00	0.16	0.12	0.11	0.17	0.08	0.10	0.17	0.12	

MATURIN		LAT 9 45 LON 63 11 75. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.6	25.6	26.8	26.7	25.7	25.6	26.0	26.1	26.4	25.8	24.6	25.7
MEAN R.H.	76.	67.	64.	71.	77.	81.	76.	73.	74.	72.	76.	80.	74.
PCT SUN	62.	73.	76.	68.	61.	55.	62.	65.	64.	68.	62.	56.	64.
MEAN RAD.	466.	530.	530.	522.	445.	399.	435.	489.	485.	522.	469.	441.	478.
PRECIP.	52.	27.	20.	46.	121.	209.	191.	165.	123.	106.	104.	110.	1274.
POT ET	171.	168.	187.	162.	143.	121.	136.	154.	164.	185.	173.	165.	1929.
DEF PREC	119.	141.	167.	116.	22.	-88.	-55.	-10.	41.	79.	69.	55.	655.
DEP PREC	27.	7.	2.	22.	80.	148.	134.	114.	81.	68.	67.	71.	
MAI	0.16	0.04	0.01	0.14	0.56	1.23	0.98	0.74	0.50	0.37	0.39	0.43	

MENDOZA FRIA		LAT 9 12 LON 70 41 1211. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.7	22.1	22.9	23.3	23.0	23.0	23.4	23.7	23.4	22.9	22.2	22.8
MEAN R.H.	72.	74.	72.	89.	80.	81.	79.	76.	79.	79.	79.	73.	78.
PCT SUN	67.	65.	67.	42.	57.	56.	59.	62.	59.	58.	58.	65.	60.
MEAN RAD.	488.	495.	495.	412.	433.	405.	425.	480.	463.	478.	448.	480.	458.
PRECIP.	10.	20.	22.	103.	87.	76.	76.	96.	59.	96.	54.	29.	728.
POT ET	166.	147.	162.	117.	128.	115.	125.	142.	148.	159.	155.	167.	1729.
DEF PREC	156.	128.	140.	14.	41.	39.	48.	46.	89.	63.	101.	138.	1001.
DEP PREC	0.	2.	3.	66.	54.	45.	46.	61.	32.	60.	23.	9.	
MAI	0.00	0.01	0.02	0.56	0.42	0.39	0.37	0.43	0.22	0.38	0.18	0.05	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

MENE GRANDE		LAT 9 49 LON 70 54 18. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	26.9	26.6	26.7	27.1	27.4	27.1	26.5	25.9	26.4
MEAN R.H.	73.	67.	69.	83.	84.	77.	73.	73.	83.	81.	79.	76.	76.
PCT SUN	65.	73.	71.	52.	51.	61.	66.	66.	53.	55.	59.	62.	61.
MEAN RAD.	483.	532.	511.	456.	408.	418.	447.	491.	434.	465.	453.	466.	464.
PRECIP.	36.	30.	61.	123.	185.	133.	146.	162.	185.	205.	171.	77.	1515.
POT ET	181.	172.	182.	141.	132.	129.	143.	159.	153.	170.	171.	178.	1909.
DEF PREC	145.	141.	122.	17.	-54.	-3.	-3.	-3.	-33.	-35.	-0.	101.	395.
DEP PREC	14.	10.	33.	82.	130.	89.	99.	112.	130.	145.	119.	46.	
MAI	0.08	0.06	0.18	0.58	0.98	0.69	0.69	0.70	0.85	0.85	0.69	0.26	

MERIDA		LAT 8 36 LON 71 9 1625. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.2	18.7	19.2	19.5	19.5	19.2	19.2	19.7	19.7	19.3	18.9	19.7	19.2
MEAN R.H.	81.	77.	76.	92.	90.	87.	84.	81.	86.	87.	87.	81.	84.
PCT SUN	56.	60.	63.	35.	39.	46.	50.	56.	48.	46.	45.	55.	50.
MEAN RAD.	433.	473.	476.	377.	363.	371.	398.	458.	415.	420.	381.	428.	416.
PRECIP.	59.	44.	69.	173.	256.	173.	126.	145.	173.	264.	231.	94.	1808.
POT ET	137.	131.	145.	97.	97.	95.	105.	123.	121.	127.	122.	138.	1437.
DEF PREC	78.	86.	75.	-76.	-160.	-78.	-21.	-22.	-52.	-137.	-109.	44.	-371.
DEP PREC	32.	21.	40.	120.	185.	121.	84.	98.	120.	190.	165.	59.	
MAI	0.23	0.16	0.28	1.23	1.91	1.27	0.80	0.80	0.99	1.50	1.35	0.43	

MIRANDA		LAT 10 9 LON 68 23 629. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.4	23.5	23.9	24.7	25.1	24.7	24.8	25.2	25.5	25.2	24.6	24.0	24.6
MEAN R.H.	70.	69.	67.	82.	86.	81.	78.	75.	77.	77.	78.	73.	76.
PCT SUN	69.	70.	73.	54.	48.	55.	60.	64.	60.	61.	59.	66.	62.
MEAN RAD.	500.	521.	519.	463.	392.	394.	423.	480.	468.	492.	455.	485.	466.
PRECIP.	9.	10.	8.	101.	216.	170.	156.	142.	89.	115.	93.	34.	1147.
POT ET	177.	161.	176.	137.	121.	117.	130.	148.	156.	170.	164.	176.	1833.
DEF PREC	169.	151.	168.	36.	-95.	-53.	-27.	7.	67.	56.	66.	142.	687.
DEP PREC	0.	0.	0.	64.	153.	118.	107.	96.	56.	75.	62.	13.	
MAI	0.00	0.00	0.00	0.47	1.27	1.01	0.83	0.65	0.36	0.44	0.38	0.07	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

MONTONES		LAT 10 7 LON 64 41 182. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.9	25.3	26.1	26.4	26.1	26.2	26.6	26.9	26.6	26.0	25.4	25.9
MEAN R.H.	70.	67.	63.	73.	73.	77.	75.	72.	73.	72.	74.	71.	72.
PCT SUN	69.	73.	78.	67.	67.	61.	64.	67.	66.	68.	65.	68.	68.
MEAN RAD.	501.	533.	536.	514.	463.	415.	438.	493.	490.	523.	492.	497.	490.
PRECIP.	15.	7.	4.	8.	51.	124.	159.	137.	83.	75.	46.	26.	735.
POT ET	184.	170.	188.	157.	147.	127.	139.	157.	168.	186.	179.	186.	1986.
DEF PREC	169.	163.	184.	149.	96.	3.	-20.	20.	85.	111.	132.	160.	1251.
DEP PREC	0.	0.	0.	0.	26.	82.	109.	92.	51.	44.	22.	6.	
MAI	0.00	0.00	0.00	0.00	0.18	0.65	0.79	0.59	0.30	0.24	0.12	0.03	

MORENA (LA)		LAT 9 41 LON 68 36 157. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.0	25.4	26.1	26.5	26.2	26.2	26.6	27.0	26.6	26.1	25.5	26.0
MEAN R.H.	70.	67.	68.	81.	84.	84.	80.	77.	80.	78.	76.	73.	76.
PCT SUN	70.	73.	72.	56.	50.	51.	57.	61.	57.	60.	62.	66.	61.
MEAN RAD.	503.	530.	515.	471.	405.	384.	415.	472.	456.	490.	469.	486.	466.
PRECIP.	13.	9.	10.	71.	202.	262.	259.	223.	144.	144.	96.	46.	1479.
POT ET	185.	169.	182.	144.	129.	118.	131.	151.	158.	176.	174.	182.	1900.
DEF PREC	172.	161.	172.	73.	-73.	-144.	-128.	-72.	14.	32.	78.	136.	421.
DEP PREC	0.	0.	0.	41.	143.	189.	187.	159.	98.	98.	61.	22.	
MAI	0.00	0.00	0.00	0.29	1.10	1.61	1.42	1.05	0.62	0.56	0.35	0.12	

MOROTURO		LAT 10 34 LON 69 13 500. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.1	25.2	25.6	25.9	25.6	25.0	24.4	25.0
MEAN R.H.	76.	69.	67.	82.	82.	81.	80.	76.	76.	78.	78.	78.	77.
PCT SUN	63.	71.	73.	54.	54.	56.	57.	62.	62.	60.	60.	60.	61.
MEAN RAD.	474.	525.	517.	461.	415.	396.	410.	473.	472.	489.	459.	462.	463.
PRECIP.	40.	23.	17.	68.	148.	173.	221.	177.	68.	119.	98.	71.	1224.
POT ET	172.	164.	178.	138.	129.	118.	127.	148.	159.	172.	167.	171.	1840.
DEF PREC	132.	141.	161.	69.	-19.	-55.	-95.	-29.	91.	52.	69.	99.	616.
DEP PREC	17.	4.	0.	39.	101.	120.	158.	123.	39.	78.	62.	41.	
MAI	0.10	0.03	0.00	0.28	0.78	1.02	1.24	0.83	0.25	0.46	0.37	0.24	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

NOTATON		LAT 9 24 LON 70 36 342. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.4	24.8	25.6	26.0	25.6	25.7	26.1	26.4	26.1	25.5	24.9	25.4
MEAN R.H.	73.	69.	69.	85.	79.	76.	73.	73.	80.	79.	76.	76.	76.
PCT SUN	66.	70.	70.	49.	58.	62.	66.	66.	56.	58.	62.	63.	62.
MEAN RAD.	482.	519.	507.	442.	435.	426.	451.	493.	452.	480.	466.	468.	468.
PRECIP.	31.	33.	41.	90.	109.	71.	90.	127.	126.	139.	85.	65.	1007.
POT ET	176.	164.	177.	133.	137.	129.	141.	156.	155.	170.	171.	174.	1893.
DEF PREC	145.	131.	136.	44.	28.	58.	51.	29.	29.	31.	86.	109.	876.
DEP PREC	10.	12.	13.	56.	71.	41.	56.	85.	84.	94.	52.	37.	
MAI	0.06	0.07	0.10	0.42	0.52	0.32	0.40	0.54	0.54	0.55	0.31	0.21	

MUCUCHIES		LAT 8 45 LON 70 55 2983. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	10.2	11.3	11.6	11.7	11.8	11.0	10.4	10.7	11.0	10.9	10.4	10.5	11.0
MEAN R.H.	76.	83.	78.	95.	86.	90.	91.	84.	83.	82.	86.	75.	84.
PCT SUN	53.	53.	59.	29.	48.	41.	38.	50.	52.	53.	43.	64.	50.
MEAN RAD.	466.	438.	459.	343.	399.	348.	344.	434.	435.	456.	396.	469.	416.
PRECIP.	6.	17.	21.	96.	120.	122.	117.	97.	64.	68.	33.	10.	769.
POT ET	112.	96.	111.	70.	84.	69.	69.	88.	96.	105.	96.	114.	1110.
DEF PREC	106.	80.	90.	-26.	-36.	-53.	-48.	-9.	32.	37.	63.	104.	341.
DEP PREC	0.	0.	2.	60.	79.	81.	77.	61.	35.	39.	12.	0.	
MAI	0.00	0.00	0.02	0.87	0.94	1.17	1.11	0.70	0.37	0.37	0.12	0.00	

MUCUCHIES		LAT 10 24 LON 72 13 60. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.1	25.3	25.6	26.4	26.8	26.5	26.5	26.9	27.3	26.9	26.4	25.8	26.3
MEAN R.H.	70.	66.	67.	85.	83.	76.	72.	72.	81.	80.	75.	71.	75.
PCT SUN	70.	74.	72.	49.	52.	62.	67.	67.	55.	57.	63.	69.	63.
MEAN RAD.	506.	535.	515.	440.	406.	418.	446.	493.	444.	475.	474.	499.	471.
PRECIP.	13.	31.	28.	91.	174.	122.	137.	145.	137.	148.	92.	27.	1145.
POT ET	187.	172.	183.	136.	131.	129.	142.	159.	155.	172.	177.	188.	1930.
DEF PREC	174.	141.	155.	45.	-43.	7.	6.	14.	18.	24.	85.	161.	785.
DEP PREC	0.	10.	8.	57.	121.	81.	92.	99.	92.	101.	57.	7.	
MAI	0.00	0.06	0.04	0.42	0.93	0.63	0.65	0.62	0.59	0.59	0.33	0.04	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

MUCURAS PALMAR				LAT 8 45 LON 70 55				2983. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	16.2	16.3	16.7	17.5	17.9	17.6	17.6	18.0	18.3	18.0	17.4	16.8	17.4
MEAN R.H.	76.	83.	78.	95.	86.	90.	91.	84.	83.	82.	86.	75.	84.
PCT SUN	63.	53.	59.	29.	48.	41.	38.	50.	52.	53.	48.	64.	50.
MEAN RAD.	466.	438.	459.	343.	399.	348.	344.	434.	435.	456.	396.	469.	416.
PRECIP.	6.	17.	21.	96.	120.	122.	117.	97.	64.	68.	33.	10.	769.
POT ET	137.	114.	130.	84.	102.	85.	87.	111.	121.	132.	121.	141.	1365.
DEF PREC	131.	97.	110.	-12.	-18.	-37.	-30.	14.	58.	64.	88.	130.	596.
DEP PREC	0.	0.	2.	60.	79.	81.	77.	61.	35.	39.	12.	0.	
MAI	0.00	0.00	0.02	0.72	0.78	0.95	0.88	0.55	0.29	0.29	0.10	0.00	

OCUMARE DE LA COST				LAT 10 7 LON 66 46				212. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.8	25.2	26.0	26.4	26.0	26.1	26.5	26.8	26.5	25.9	25.3	25.8
MEAN R.H.	76.	67.	64.	77.	77.	79.	77.	72.	76.	75.	76.	81.	75.
PCT SUN	63.	73.	76.	62.	60.	58.	60.	67.	62.	64.	62.	56.	64.
MEAN RAD.	471.	531.	530.	494.	440.	405.	425.	494.	474.	507.	469.	439.	473.
PRECIP.	45.	15.	20.	30.	106.	167.	206.	129.	106.	103.	93.	105.	1125.
POT ET	174.	169.	185.	151.	140.	124.	134.	157.	163.	181.	173.	167.	1919.
DEF PREC	130.	154.	165.	121.	34.	-43.	-72.	28.	57.	78.	90.	62.	794.
DEP PREC	21.	0.	2.	10.	68.	115.	146.	86.	68.	66.	59.	67.	
MAI	0.12	0.00	0.01	0.06	0.49	0.93	1.08	0.55	0.42	0.37	0.34	0.40	

OMUQUENA				LAT 8 16 LON 72 2				405. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.2	24.6	25.4	25.8	25.4	25.5	25.9	26.2	25.9	25.3	24.7	25.2
MEAN R.H.	93.	74.	73.	90.	86.	80.	75.	72.	83.	83.	82.	94.	82.
PCT SUN	34.	65.	66.	40.	48.	57.	64.	67.	52.	52.	54.	30.	52.
MEAN RAD.	314.	495.	490.	402.	403.	414.	450.	501.	436.	448.	426.	292.	423.
PRECIP.	179.	115.	149.	185.	200.	128.	101.	104.	157.	222.	214.	275.	2029.
POT ET	125.	157.	171.	121.	126.	125.	140.	158.	149.	160.	159.	120.	1708.
DEF PREC	-55.	42.	22.	-65.	-74.	-3.	39.	54.	-8.	-62.	-56.	-155.	-321.
DEP PREC	125.	75.	102.	130.	141.	85.	64.	67.	108.	158.	152.	199.	
MAI	1.00	0.48	0.60	1.07	1.12	0.68	0.46	0.42	0.72	0.99	0.96	1.66	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

ORTIZ		LAT 9 36 LON 67 15 220. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.8	25.2	25.9	26.3	26.0	26.1	26.4	26.8	26.4	25.9	25.3	25.8
MEAN R.H.	68.	67.	67.	80.	79.	80.	76.	76.	78.	76.	74.	70.	74.
PCT SUN	72.	73.	73.	57.	59.	56.	62.	62.	60.	63.	64.	70.	64.
MEAN RAD.	510.	527.	517.	479.	438.	404.	434.	476.	466.	500.	477.	500.	477.
PRECIP.	4.	1.	20.	37.	119.	176.	175.	204.	129.	121.	58.	22.	1067.
POT ET	136.	169.	181.	146.	139.	123.	137.	152.	160.	178.	176.	186.	1933.
DEF PREC	182.	167.	162.	109.	20.	-53.	-38.	-53.	32.	57.	117.	164.	865.
DEF PREC	0.	0.	2.	15.	79.	122.	122.	144.	86.	80.	32.	4.	
MAI	0.00	0.00	0.01	0.10	0.57	0.99	0.89	0.95	0.54	0.45	0.18	0.02	

PALMAJERO		LAT 10 32 LON 71 30 1. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	68.	65.	67.	83.	76.	72.	65.	67.	76.	80.	73.	68.	72.
PCT SUN	72.	75.	73.	52.	62.	67.	75.	73.	62.	57.	64.	72.	67.
MEAN RAD.	515.	542.	518.	454.	443.	433.	473.	513.	474.	475.	477.	515.	486.
PRECIP.	4.	3.	5.	20.	73.	55.	28.	83.	60.	165.	87.	6.	575.
POT ET	191.	175.	185.	141.	143.	134.	151.	166.	165.	173.	178.	194.	1996.
DEF PREC	187.	172.	180.	120.	70.	79.	124.	98.	105.	8.	91.	188.	1422.
DEF PREC	0.	0.	0.	2.	43.	29.	8.	39.	33.	114.	54.	0.	
MAI	0.00	0.00	0.00	0.01	0.30	0.22	0.05	0.24	0.20	0.66	0.30	0.00	

PAMPANITO		LAT 9 25 LON 70 30 377. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.5	26.1	25.9	25.9	25.9	25.7	26.2	26.1	25.8	25.4	25.2	25.7
MEAN R.H.	81.	70.	69.	85.	81.	77.	73.	73.	82.	80.	80.	82.	78.
PCT SUN	56.	69.	70.	48.	55.	61.	67.	66.	53.	56.	57.	53.	59.
MEAN RAD.	436.	515.	506.	441.	424.	423.	451.	492.	439.	471.	443.	424.	455.
PRECIP.	76.	54.	105.	121.	137.	80.	84.	130.	165.	171.	163.	124.	1410.
POT ET	165.	167.	182.	134.	134.	129.	141.	156.	149.	166.	164.	162.	1849.
DEF PREC	89.	113.	77.	13.	-3.	49.	57.	26.	-16.	-4.	0.	38.	439.
DEF PREC	45.	28.	67.	80.	92.	48.	51.	87.	114.	119.	112.	82.	
MAI	0.27	0.17	0.37	0.60	0.69	0.37	0.36	0.56	0.76	0.71	0.69	0.51	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

PANARIGUA		LAT 10 32		LON 67 21		17. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	26.9	26.6	26.7	27.1	27.4	27.1	26.5	25.9	26.4
MEAN R.H.	70.	66.	64.	76.	72.	73.	68.	67.	73.	73.	75.	75.	71.
PCT SUN	69.	74.	76.	62.	67.	66.	72.	73.	66.	66.	64.	64.	68.
MEAN RAD.	504.	539.	529.	494.	463.	431.	463.	511.	489.	516.	477.	479.	491.
PRECIP.	16.	21.	20.	31.	34.	64.	68.	72.	61.	73.	85.	57.	601.
POT ET	187.	174.	188.	153.	149.	133.	148.	165.	170.	186.	179.	182.	2014.
DEF PREC	171.	153.	168.	122.	115.	69.	80.	93.	109.	113.	93.	125.	1412.
DEP PREC	0.	3.	2.	10.	13.	36.	39.	42.	34.	43.	52.	30.	
MAI	0.00	0.02	0.01	0.07	0.09	0.27	0.26	0.25	0.20	0.23	0.29	0.17	

PARIAGUAN		LAT 8 46		LON 64 44		126. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.2	26.9	27.3	27.6	26.9	26.1	25.7	25.5	25.3	26.3	26.2	26.0	26.3
MEAN R.H.	68.	68.	67.	76.	76.	80.	78.	80.	78.	74.	76.	69.	74.
PCT SUN	72.	72.	73.	62.	63.	56.	60.	57.	59.	65.	63.	70.	64.
MEAN RAD.	506.	525.	517.	502.	456.	409.	433.	460.	465.	508.	467.	499.	479.
PRECIP.	7.	3.	7.	45.	95.	170.	200.	280.	170.	130.	101.	27.	1235.
POT ET	192.	176.	191.	159.	147.	125.	136.	143.	154.	190.	174.	199.	1966.
DEF PREC	185.	173.	183.	114.	52.	-45.	-64.	-135.	-15.	51.	73.	162.	732.
DEP PREC	0.	0.	0.	21.	60.	118.	141.	203.	118.	87.	65.	7.	
MAI	0.00	0.00	0.00	0.13	0.41	0.94	1.04	1.41	0.76	0.48	0.37	0.04	

PAZ (LA)		LAT 10 41		LON 72 0		32. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.3	25.7	26.5	26.9	26.6	26.6	27.0	27.3	27.0	26.5	25.8	26.4
MEAN R.H.	68.	65.	67.	84.	80.	74.	69.	69.	81.	80.	76.	69.	73.
PCT SUN	72.	75.	72.	50.	57.	65.	71.	70.	55.	57.	63.	71.	65.
MEAN RAD.	515.	542.	515.	445.	427.	427.	458.	502.	445.	475.	474.	511.	478.
PRECIP.	4.	3.	7.	54.	115.	79.	85.	107.	136.	156.	96.	12.	854.
POT ET	190.	175.	183.	137.	137.	132.	147.	162.	156.	173.	177.	192.	1961.
DEF PREC	186.	172.	176.	83.	22.	53.	61.	55.	20.	17.	81.	190.	1107.
DEP PREC	0.	0.	0.	28.	75.	47.	52.	69.	91.	107.	61.	0.	
MAI	0.00	0.00	0.00	0.21	0.55	0.36	0.36	0.43	0.59	0.62	0.34	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

PEDREGAL		LAT 11 2 LON 70 7 170. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.9	25.3	26.1	26.5	26.1	26.2	26.6	26.9	26.6	26.0	25.4	26.0
MEAN R.H.	70.	65.	64.	81.	75.	71.	67.	68.	78.	78.	74.	72.	72.
PCT SUN	69.	75.	76.	55.	63.	68.	73.	72.	60.	59.	65.	67.	67.
MEAN RAD.	505.	541.	528.	465.	446.	433.	463.	507.	464.	487.	485.	497.	485.
PRECIP.	13.	3.	5.	40.	57.	33.	40.	69.	93.	135.	43.	25.	555.
POT ET	185.	172.	186.	142.	142.	133.	147.	162.	160.	175.	179.	186.	1968.
DEF PREC	173.	169.	181.	102.	85.	100.	107.	93.	68.	40.	135.	161.	1413.
DEP PREC	0.	0.	0.	18.	30.	12.	17.	40.	58.	90.	20.	6.	
MAI	0.00	0.00	0.00	0.12	0.21	0.09	0.12	0.25	0.36	0.52	0.11	0.03	

PETAQUIRE		LAT 10 28 LON 67 6 300. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.4	24.5	24.9	25.7	26.1	25.7	25.8	26.2	26.5	26.2	25.6	25.0	25.6
MEAN R.H.	74.	68.	65.	78.	76.	74.	70.	71.	76.	76.	78.	74.	73.
PCT SUN	64.	72.	75.	60.	63.	64.	70.	69.	62.	62.	60.	64.	65.
MEAN RAD.	480.	529.	525.	486.	446.	425.	455.	498.	474.	499.	460.	481.	480.
PRECIP.	36.	30.	26.	47.	77.	64.	64.	99.	96.	125.	119.	49.	833.
POT ET	176.	167.	183.	147.	141.	129.	143.	158.	162.	177.	169.	179.	1931.
DEF PREC	140.	137.	157.	100.	64.	65.	79.	59.	66.	51.	50.	130.	1098.
DEP PREC	14.	10.	6.	23.	46.	36.	36.	63.	61.	84.	78.	24.	
MAI	0.08	0.06	0.04	0.15	0.33	0.28	0.25	0.40	0.37	0.47	0.46	0.14	

PETARE		LAT 10 29 LON 66 49 847. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.7	22.9	23.2	24.0	24.4	24.1	24.1	24.5	24.9	24.5	24.0	23.4	23.9
MEAN R.H.	73.	70.	66.	79.	81.	78.	76.	74.	79.	77.	79.	76.	76.
PCT SUN	66.	69.	74.	59.	55.	59.	63.	65.	59.	61.	58.	62.	63.
MEAN RAD.	488.	517.	521.	481.	418.	408.	432.	485.	459.	496.	452.	472.	469.
PRECIP.	20.	7.	6.	43.	140.	85.	88.	100.	121.	112.	86.	50.	858.
POT ET	171.	157.	174.	140.	127.	119.	130.	147.	151.	169.	160.	169.	1815.
DEF PREC	151.	150.	168.	97.	13.	34.	42.	49.	30.	57.	75.	119.	957.
DEP PREC	2.	0.	0.	19.	95.	52.	54.	63.	80.	73.	53.	25.	
MAI	0.01	0.00	0.00	0.14	0.75	0.44	0.42	0.43	0.53	0.43	0.33	0.15	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

PIE DE CERRO		LAT 10 19 LON 67 18 780. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.1	23.4	24.2	24.6	24.3	24.3	24.7	25.1	24.7	24.2	23.6	24.1
MEAN R.H.	72.	70.	66.	80.	79.	80.	78.	75.	80.	78.	79.	74.	76.
PCT SUN	68.	69.	74.	56.	58.	56.	60.	63.	57.	59.	59.	65.	62.
MEAN RAD.	495.	518.	519.	471.	433.	399.	422.	478.	453.	485.	454.	483.	467.
PRECIP.	13.	10.	10.	44.	102.	134.	136.	136.	136.	149.	84.	35.	989.
POT ET	174.	158.	174.	138.	132.	117.	128.	146.	150.	166.	162.	173.	1818.
DEF PREC	161.	148.	164.	94.	30.	-17.	-8.	10.	14.	17.	78.	138.	830.
DEP PREC	0.	0.	0.	20.	65.	90.	91.	91.	91.	102.	51.	14.	
MAI	0.00	0.00	0.00	0.15	0.50	0.77	0.71	0.63	0.61	0.61	0.32	0.08	

PIEDRAS (LAS)		LAT 10 41 LON 70 13 10. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	27.2	27.8	28.5	29.3	29.5	29.6	30.1	30.5	29.7	28.3	27.6	28.8
MEAN R.H.	70.	65.	66.	81.	72.	69.	63.	64.	73.	74.	75.	72.	71.
PCT SUN	70.	75.	74.	55.	67.	70.	77.	76.	66.	64.	63.	67.	69.
MEAN RAD.	507.	542.	521.	466.	461.	443.	477.	523.	488.	508.	476.	492.	492.
PRECIP.	13.	11.	7.	6.	23.	8.	6.	22.	29.	60.	91.	40.	314.
POT ET	197.	182.	194.	151.	157.	146.	163.	181.	182.	195.	185.	194.	2128.
DEF PREC	184.	171.	188.	145.	133.	139.	158.	159.	153.	135.	95.	153.	1813.
DEP PREC	0.	0.	0.	0.	4.	0.	0.	3.	9.	33.	57.	18.	
MAI	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.05	0.17	0.30	0.09	

PLAYA		LAT 8 19 LON 71 47 1501. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.7	20.9	21.2	22.0	22.4	22.1	22.1	22.5	22.9	22.5	22.0	21.4	21.9
MEAN R.H.	77.	77.	75.	92.	80.	82.	80.	75.	81.	82.	83.	78.	80.
PCT SUN	61.	61.	63.	35.	57.	54.	57.	63.	56.	54.	53.	59.	56.
MEAN RAD.	458.	478.	478.	377.	438.	404.	423.	488.	452.	461.	419.	447.	444.
PRECIP.	35.	27.	30.	50.	70.	61.	52.	49.	71.	119.	117.	70.	750.
POT ET	154.	139.	153.	104.	126.	112.	121.	141.	142.	151.	143.	153.	1641.
DEF PREC	119.	112.	123.	55.	56.	51.	70.	93.	70.	32.	27.	83.	891.
DEP PREC	14.	8.	10.	25.	41.	33.	26.	24.	42.	78.	77.	40.	
MAI	0.09	0.05	0.07	0.24	0.32	0.30	0.22	0.17	0.29	0.52	0.53	0.26	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

PORLAMAR	LAT 10 57 LON 63 51 12. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.9	25.8	26.1	26.7	27.3	27.1	27.3	27.5	28.0	28.2	27.5	26.5	27.0
MEAN R.H.	85.	66.	61.	67.	69.	71.	67.	66.	68.	69.	75.	80.	70.
PCT SUN	49.	74.	79.	73.	72.	68.	73.	74.	72.	70.	63.	56.	69.
MEAN RAD.	406.	539.	539.	534.	475.	434.	462.	515.	513.	535.	477.	446.	490.
PRECIP.	113.	40.	27.	7.	6.	45.	67.	52.	22.	55.	89.	105.	628.
POT ET	159.	175.	193.	166.	154.	136.	150.	168.	180.	197.	183.	174.	2036.
DEF PREC	47.	135.	165.	159.	149.	91.	83.	116.	158.	142.	94.	69.	1408.
DEP PREC	73.	18.	7.	0.	0.	22.	38.	27.	3.	29.	55.	68.	
MAI	0.46	0.10	0.04	0.00	0.00	0.16	0.26	0.16	0.02	0.15	0.30	0.39	

PUEBLO NUEVO	LAT 10 27 LON 68 57 253. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.7	25.1	25.8	26.2	25.9	25.9	26.3	26.7	26.3	25.8	25.2	25.7
MEAN R.H.	79.	67.	66.	79.	73.	72.	67.	66.	74.	77.	78.	84.	74.
PCT SUN	58.	72.	75.	58.	66.	67.	73.	74.	64.	61.	59.	51.	65.
MEAN RAD.	452.	531.	523.	477.	460.	435.	465.	516.	484.	495.	458.	415.	476.
PRECIP.	65.	27.	16.	22.	28.	25.	27.	31.	49.	117.	131.	137.	674.
POT ET	168.	168.	183.	145.	146.	132.	147.	164.	165.	176.	169.	159.	1923.
DEF PREC	103.	141.	167.	123.	119.	107.	119.	133.	117.	60.	39.	22.	1249.
DEP PREC	37.	7.	0.	3.	8.	6.	7.	10.	24.	77.	88.	92.	
MAI	0.22	0.04	0.00	0.02	0.05	0.04	0.05	0.06	0.15	0.43	0.52	0.58	

PUEBLO VIEJO	LAT 9 58 LON 71 12 1. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	69.	66.	69.	84.	83.	78.	71.	71.	82.	83.	75.	71.	75.
PCT SUN	70.	74.	71.	50.	52.	60.	69.	68.	53.	53.	64.	69.	63.
MEAN RAD.	505.	536.	508.	448.	412.	414.	455.	497.	439.	456.	476.	498.	470.
PRECIP.	14.	11.	13.	83.	173.	147.	113.	138.	171.	234.	89.	33.	1218.
POT ET	188.	173.	182.	139.	133.	128.	146.	161.	154.	167.	178.	188.	1937.
DEF PREC	174.	162.	169.	55.	-40.	-19.	33.	23.	-17.	-67.	90.	155.	719.
DEP PREC	0.	0.	0.	51.	120.	100.	74.	93.	119.	167.	54.	12.	
MAI	0.00	0.00	0.00	0.37	0.90	0.78	0.51	0.58	0.77	1.00	0.31	0.06	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

PUERTA (LA)		LAT 9 8 LON 70 41 1762. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	20.0	20.1	20.5	21.2	21.6	21.3	21.3	21.7	22.1	21.7	21.2	20.6	21.1
MEAN R.H.	75.	77.	73.	91.	84.	84.	84.	80.	83.	83.	83.	75.	81.
PCT SUN	64.	61.	66.	38.	51.	51.	51.	57.	53.	53.	53.	63.	55.
MEAN RAD.	474.	480.	489.	393.	411.	387.	399.	461.	436.	454.	421.	470.	439.
PRECIP.	17.	11.	23.	122.	128.	96.	101.	115.	113.	151.	88.	31.	996.
POT ET	155.	137.	153.	106.	116.	105.	112.	131.	134.	146.	141.	157.	1592.
DEF PREC	138.	126.	130.	-16.	-12.	9.	11.	16.	21.	-5.	53.	126.	596.
DEP PREC	0.	0.	4.	81.	85.	61.	65.	75.	74.	103.	54.	10.	
MAI	0.00	0.00	0.03	0.76	0.74	0.58	0.58	0.58	0.55	0.71	0.39	0.07	

PUERTO CABELLO		LAT 10 30 LON 68 1 5. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.2	25.6	26.2	26.8	27.3	26.9	27.2	27.2	27.3	26.5	25.8	26.4
MEAN R.H.	73.	66.	65.	78.	76.	75.	71.	69.	74.	74.	77.	78.	73.
PCT SUN	66.	74.	75.	59.	63.	64.	68.	71.	64.	65.	60.	59.	66.
MEAN RAD.	486.	538.	526.	484.	446.	424.	450.	505.	483.	509.	462.	456.	481.
PRECIP.	35.	28.	26.	45.	83.	99.	129.	98.	71.	89.	142.	89.	932.
POT ET	182.	172.	186.	148.	143.	133.	145.	164.	168.	185.	174.	175.	1975.
DEF PREC	147.	145.	160.	103.	61.	35.	16.	66.	97.	96.	31.	86.	1043.
DEP PREC	13.	8.	6.	21.	50.	63.	86.	62.	41.	55.	96.	55.	
MAI	0.07	0.05	0.03	0.14	0.35	0.47	0.60	0.38	0.24	0.30	0.56	0.31	

PUERTO LA CRUZ		LAT 10 13 LON 64 38 10. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.6	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	69.	66.	62.	71.	70.	75.	71.	69.	71.	70.	73.	71.	70.
PCT SUN	71.	74.	78.	68.	69.	64.	69.	70.	68.	70.	66.	68.	70.
MEAN RAD.	508.	538.	538.	519.	471.	425.	453.	505.	500.	533.	498.	497.	498.
PRECIP.	10.	9.	5.	8.	29.	96.	117.	102.	60.	49.	42.	29.	555.
POT ET	189.	174.	191.	160.	152.	132.	145.	163.	173.	191.	182.	188.	2040.
DEF PREC	179.	165.	186.	152.	123.	36.	29.	61.	114.	143.	139.	159.	1485.
DEP PREC	0.	0.	0.	0.	9.	60.	77.	66.	33.	24.	19.	9.	
MAI	0.00	0.00	0.00	0.00	0.06	0.46	0.53	0.40	0.19	0.12	0.11	0.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

PUERTO SOTILLO				LAT 10 24 LON 66 0				100. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	80.	67.	64.	75.	77.	76.	74.	73.	77.	78.	83.	87.	76.
PCT SUN	57.	73.	76.	63.	61.	62.	65.	66.	61.	60.	53.	46.	62.
MEAN RAD.	447.	532.	531.	500.	443.	419.	439.	487.	470.	488.	427.	370.	464.
PRECIP.	72.	42.	29.	26.	101.	111.	163.	165.	131.	195.	256.	170.	1461.
POT ET	168.	171.	187.	154.	142.	129.	140.	156.	163.	176.	162.	153.	1901.
DEF PREC	96.	129.	158.	128.	41.	18.	-23.	-9.	32.	-19.	-94.	-17.	440.
DEF PREC	42.	19.	9.	6.	65.	72.	112.	114.	88.	137.	184.	118.	
MAI	0.25	0.11	0.05	0.04	0.45	0.56	0.81	0.73	0.54	0.78	1.14	0.77	

PURICAURE				LAT 10 6 LON 70 27				500. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.1	25.2	25.6	25.9	25.6	25.0	24.4	25.0
MEAN R.H.	75.	69.	68.	85.	73.	76.	72.	71.	81.	79.	78.	73.	75.
PCT SUN	63.	71.	72.	50.	59.	63.	68.	68.	56.	58.	60.	65.	63.
MEAN RAD.	476.	522.	515.	445.	437.	422.	450.	498.	447.	480.	453.	484.	469.
PRECIP.	36.	23.	27.	81.	86.	65.	62.	86.	132.	135.	100.	37.	869.
POT ET	172.	163.	177.	133.	136.	126.	139.	155.	151.	169.	166.	177.	1865.
DEF PREC	136.	140.	150.	52.	51.	61.	77.	69.	20.	34.	66.	140.	996.
DEF PREC	14.	4.	8.	49.	53.	36.	34.	53.	88.	90.	64.	15.	
MAI	0.08	0.02	0.04	0.37	0.39	0.29	0.25	0.34	0.58	0.54	0.38	0.09	

QUEBRADA ARRIBA				LAT 10 31 LON 70 30				500. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.1	25.2	25.6	25.9	25.6	25.0	24.4	25.0
MEAN R.H.	73.	69.	68.	84.	80.	76.	73.	74.	85.	82.	80.	72.	76.
PCT SUN	66.	71.	72.	51.	57.	63.	66.	65.	50.	55.	57.	67.	62.
MEAN RAD.	486.	525.	514.	450.	428.	419.	443.	485.	420.	464.	448.	491.	465.
PRECIP.	27.	19.	21.	97.	107.	71.	87.	133.	204.	192.	137.	30.	1125.
POT ET	175.	164.	177.	134.	133.	125.	137.	151.	143.	164.	163.	179.	1846.
DEF PREC	148.	145.	156.	37.	26.	54.	50.	18.	-61.	-28.	26.	149.	721.
DEF PREC	7.	1.	3.	61.	69.	41.	54.	89.	144.	135.	92.	10.	
MAI	0.04	0.01	0.02	0.46	0.52	0.33	0.39	0.59	1.01	0.82	0.56	0.05	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

QUIPOZ		LAT 10 28 LON 71 1 100. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.7	26.4	26.4	26.8	27.1	26.8	26.2	25.6	26.2
MEAN R.H.	72.	66.	67.	84.	83.	78.	72.	72.	83.	82.	77.	76.	76.
PCT SUN	68.	74.	73.	51.	53.	60.	67.	67.	53.	54.	61.	62.	62.
MEAN RAD.	496.	535.	517.	451.	410.	410.	447.	492.	434.	460.	463.	472.	465.
PRECIP.	23.	26.	60.	103.	168.	151.	129.	145.	175.	221.	129.	65.	1396.
POT ET	183.	171.	183.	138.	131.	126.	142.	158.	152.	167.	173.	179.	1904.
DEF PREC	160.	146.	123.	35.	-37.	-25.	13.	13.	-23.	-54.	43.	114.	508.
DEP PREC	4.	6.	33.	66.	116.	103.	86.	99.	122.	157.	86.	37.	
MAI	0.02	0.04	0.18	0.48	0.89	0.82	0.61	0.63	0.80	0.94	0.50	0.21	

QUISIRO		LAT 10 52 LON 71 17 30. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.4	25.7	26.5	26.9	26.6	26.6	27.0	27.4	27.0	26.5	25.9	26.4
MEAN R.H.	68.	65.	67.	82.	76.	73.	66.	66.	78.	78.	73.	70.	72.
PCT SUN	72.	76.	73.	53.	63.	67.	74.	74.	60.	60.	66.	70.	67.
MEAN RAD.	515.	544.	517.	457.	445.	430.	465.	515.	465.	490.	489.	506.	487.
PRECIP.	5.	0.	23.	30.	64.	64.	51.	50.	85.	112.	41.	21.	545.
POT ET	190.	175.	184.	141.	143.	133.	149.	166.	162.	178.	192.	190.	1994.
DEF PREC	185.	175.	161.	111.	79.	69.	98.	117.	78.	65.	141.	169.	1449.
DEP PREC	0.	0.	4.	9.	36.	36.	26.	25.	52.	73.	18.	3.	
MAI	0.00	0.00	0.02	0.07	0.25	0.27	0.17	0.15	0.32	0.41	0.10	0.02	

RANCHO GRANDE		LAT 10 22 LON 67 41 1126. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.9	22.0	22.4	23.2	23.6	23.2	23.3	23.7	24.0	23.7	23.1	22.5	23.0
MEAN R.H.	79.	73.	67.	82.	83.	86.	86.	87.	86.	81.	83.	81.	81.
PCT SUN	59.	66.	72.	54.	52.	48.	48.	46.	48.	56.	52.	56.	55.
MEAN RAD.	454.	504.	515.	462.	409.	369.	377.	410.	411.	468.	422.	440.	437.
PRECIP.	49.	36.	28.	76.	153.	220.	259.	347.	234.	183.	160.	86.	1831.
POT ET	158.	151.	169.	131.	122.	105.	111.	122.	134.	158.	148.	156.	1664.
DEF PREC	109.	114.	141.	55.	-31.	-115.	-148.	-225.	-100.	-25.	-12.	70.	-166.
DEP PREC	24.	14.	8.	45.	105.	156.	187.	255.	167.	128.	110.	53.	
MAI	0.15	0.09	0.05	0.34	0.86	1.49	1.68	2.08	1.25	0.81	0.74	0.34	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

RIO CARIBE		LAT 10 42		LON 63 9		3. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	77.	66.	61.	68.	72.	76.	70.	68.	71.	69.	74.	80.	71.
PCT SUN	61.	74.	79.	72.	67.	63.	70.	72.	68.	71.	65.	57.	68.
MEAN RAD.	465.	539.	540.	532.	460.	418.	453.	507.	500.	536.	484.	446.	490.
PRECIP.	57.	31.	36.	34.	62.	121.	111.	89.	74.	59.	65.	103.	842.
POT ET	175.	174.	192.	165.	148.	130.	145.	164.	174.	193.	180.	172.	2012.
DEF PREC	118.	143.	155.	131.	86.	9.	34.	75.	100.	134.	115.	69.	1170.
DEP PREC	30.	10.	14.	13.	34.	80.	72.	55.	44.	32.	37.	66.	
MAI	0.17	0.06	0.07	0.08	0.23	0.62	0.50	0.34	0.25	0.17	0.20	0.38	

RUBIO		LAT 7 43		LON 72 22		853. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.8	20.7	21.0	21.3	21.1	20.6	20.4	20.9	21.0	21.3	20.9	20.1	20.8
MEAN R.H.	77.	74.	76.	93.	84.	83.	81.	76.	82.	81.	80.	75.	80.
PCT SUN	61.	65.	62.	35.	51.	52.	56.	62.	55.	56.	57.	63.	56.
MEAN RAD.	455.	490.	473.	378.	418.	399.	423.	485.	447.	467.	435.	463.	445.
PRECIP.	47.	37.	44.	100.	151.	146.	148.	128.	108.	121.	130.	63.	1221.
POT ET	149.	142.	151.	102.	117.	106.	116.	134.	134.	148.	144.	153.	1595.
DEF PREC	102.	105.	107.	3.	-34.	-40.	-32.	7.	26.	26.	14.	90.	374.
DEP PREC	23.	15.	21.	63.	103.	99.	100.	85.	70.	80.	87.	35.	
MAI	0.15	0.11	0.14	0.62	0.88	0.93	0.87	0.63	0.52	0.54	0.60	0.23	

SABANA DE MENDOZA		LAT 9 27		LON 70 46		118. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.0	25.1	25.5	26.3	26.6	26.3	26.4	26.8	27.1	26.8	26.2	25.6	26.1
MEAN R.H.	74.	69.	69.	84.	79.	74.	70.	69.	79.	79.	77.	77.	75.
PCT SUN	64.	70.	71.	50.	58.	64.	70.	70.	58.	59.	61.	60.	63.
MEAN RAD.	476.	520.	510.	449.	435.	432.	462.	509.	457.	483.	462.	458.	471.
PRECIP.	41.	68.	65.	112.	114.	66.	75.	85.	118.	137.	126.	83.	1090.
POT ET	177.	167.	181.	138.	139.	133.	147.	163.	159.	174.	172.	174.	1924.
DEF PREC	136.	99.	116.	26.	26.	67.	72.	78.	40.	37.	46.	91.	834.
DEP PREC	18.	39.	37.	73.	74.	37.	45.	52.	78.	92.	84.	51.	
MAI	0.10	0.23	0.20	0.53	0.53	0.28	0.30	0.32	0.49	0.53	0.49	0.29	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

SABANA GRANDE				LAT 10 4 LON 70 4				603. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.6	24.0	24.0	25.2	24.0	24.9	25.3	25.6	25.3	24.7	24.1	24.6
MEAN R.H.	75.	70.	68.	85.	84.	77.	75.	75.	81.	81.	81.	78.	78.
PCT SUN	63.	69.	72.	49.	51.	61.	64.	63.	55.	56.	56.	59.	60.
MEAN RAD.	474.	516.	513.	442.	407.	416.	439.	480.	443.	468.	438.	454.	458.
PRECIP.	36.	37.	67.	126.	169.	79.	98.	147.	143.	176.	160.	77.	1315.
POT ET	170.	160.	175.	131.	126.	123.	135.	149.	149.	163.	159.	167.	1907.
DEF PREC	134.	123.	108.	5.	-43.	44.	36.	1.	6.	-13.	-1.	90.	492.
DEP PREC	14.	15.	38.	84.	117.	47.	62.	100.	97.	122.	110.	46.	
MAI	0.08	0.09	0.22	0.64	0.93	0.38	0.46	0.67	0.65	0.75	0.69	0.28	

SALINA (LA)				LAT 10 22 LON 71 27				1. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.6	25.9	26.5
MEAN R.H.	68.	65.	67.	83.	79.	74.	67.	68.	79.	79.	74.	71.	73.
PCT SUN	72.	75.	73.	52.	58.	65.	73.	72.	59.	58.	65.	69.	66.
MEAN RAD.	512.	540.	518.	452.	431.	429.	465.	509.	460.	480.	483.	500.	482.
PRECIP.	7.	5.	10.	40.	112.	77.	63.	85.	101.	146.	66.	26.	738.
POT ET	190.	174.	185.	140.	139.	133.	149.	165.	161.	175.	180.	189.	1980.
DEF PREC	183.	170.	174.	100.	27.	56.	86.	80.	60.	29.	115.	163.	1243.
DEP PREC	0.	0.	0.	17.	73.	46.	35.	52.	64.	100.	37.	7.	
MAI	0.00	0.00	0.00	0.12	0.53	0.35	0.24	0.32	0.40	0.57	0.21	0.04	

SANARE				LAT 9 45 LON 69 40				1355. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	18.6	18.9	19.6	20.1	20.2	19.8	19.9	20.2	20.6	20.5	20.0	19.3	19.8
MEAN R.H.	77.	74.	72.	87.	82.	83.	81.	75.	78.	79.	81.	76.	79.
PCT SUN	61.	64.	68.	46.	54.	53.	55.	64.	60.	58.	56.	62.	58.
MEAN RAD.	464.	494.	496.	426.	418.	389.	409.	483.	466.	480.	439.	469.	453.
PRECIP.	35.	23.	19.	58.	119.	124.	112.	68.	51.	97.	73.	45.	824.
POT ET	147.	136.	151.	112.	114.	101.	111.	131.	137.	148.	141.	151.	1581.
DEF PREC	112.	113.	132.	54.	-5.	-23.	-1.	63.	86.	51.	68.	106.	757.
DEP PREC	14.	4.	1.	31.	78.	82.	73.	39.	26.	61.	43.	21.	
MAI	0.09	0.03	0.01	0.28	0.69	0.81	0.66	0.30	0.19	0.41	0.30	0.14	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

SAN CARLOS		LAT 9 40 LON 68 35 150. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	27.2	27.6	28.1	26.1	25.4	25.2	25.6	25.7	27.4	27.2	27.2	26.6
MEAN R.H.	69.	67.	68.	81.	86.	85.	81.	77.	80.	78.	76.	74.	77.
PCT SUN	71.	73.	72.	56.	47.	50.	55.	61.	57.	60.	62.	65.	61.
MEAN RAD.	507.	530.	515.	471.	390.	379.	408.	472.	452.	489.	469.	481.	464.
PRECIP.	8.	10.	10.	108.	242.	283.	285.	225.	155.	146.	97.	52.	1621.
POT ET	193.	179.	192.	151.	123.	114.	126.	148.	152.	179.	179.	189.	1925.
DEF PREC	185.	169.	181.	43.	-118.	-169.	-159.	-78.	-3.	33.	82.	137.	304.
DEP PREC	0.	0.	0.	70.	173.	205.	207.	160.	106.	99.	61.	27.	
MAI	0.00	0.00	0.00	0.46	1.40	1.80	1.64	1.09	0.70	0.55	0.34	0.14	

SAN CARLOS RIO NEG		LAT 1 54 LON 67 3 65. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.2	27.5	27.9	27.0	26.8	26.4	26.2	26.6	27.5	27.5	27.7	27.2	27.1
MEAN R.H.	94.	81.	83.	93.	93.	93.	88.	84.	84.	81.	82.	86.	87.
PCT SUN	32.	55.	52.	32.	33.	34.	44.	50.	51.	55.	53.	47.	45.
MEAN RAD.	279.	431.	430.	378.	358.	350.	405.	458.	437.	455.	396.	359.	395.
PRECIP.	207.	225.	216.	379.	399.	391.	338.	327.	249.	257.	313.	219.	3520.
POT ET	123.	151.	165.	118.	115.	108.	128.	147.	154.	168.	158.	149.	1683.
DEF PREC	-83.	-74.	-52.	-261.	-284.	-284.	-210.	-181.	-95.	-89.	-156.	-70.	-1837.
DEP PREC	146.	160.	154.	279.	295.	289.	248.	239.	179.	185.	229.	155.	
MAI	1.19	1.06	0.93	2.37	2.57	2.68	1.93	1.63	1.16	1.10	1.45	1.04	

SAN CRISTOBAL		LAT 7 46 LON 72 14 831. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.4	21.7	22.8	22.4	22.4	21.9	21.6	22.0	21.8	22.2	22.2	21.5	22.0
MEAN R.H.	75.	74.	76.	92.	85.	86.	84.	78.	84.	81.	79.	76.	81.
PCT SUN	64.	65.	62.	35.	49.	47.	51.	59.	51.	55.	59.	62.	55.
MEAN RAD.	467.	493.	473.	380.	408.	379.	403.	475.	433.	462.	441.	457.	439.
PRECIP.	35.	27.	41.	107.	177.	226.	221.	165.	150.	145.	112.	72.	1478.
POT ET	159.	147.	158.	106.	118.	104.	114.	136.	133.	150.	150.	157.	1631.
DEF PREC	124.	120.	117.	-1.	-60.	-122.	-108.	-29.	-17.	5.	34.	85.	153.
DEP PREC	14.	7.	18.	69.	123.	161.	158.	114.	102.	99.	73.	42.	
MAI	0.08	0.05	0.11	0.65	1.05	1.54	1.38	0.84	0.77	0.66	0.49	0.27	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

SAN CRISTOBAL		LAT 9 2 LON 71 2 1108. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.5	21.4	22.2	22.8	23.0	22.8	23.2	23.5	23.7	23.1	22.5	21.7	22.6
MEAN R.H.	79.	75.	72.	90.	84.	81.	79.	75.	80.	80.	81.	77.	79.
PCT SUN	58.	63.	67.	40.	51.	56.	59.	64.	56.	56.	55.	61.	57.
MEAN RAD.	444.	487.	494.	401.	413.	406.	426.	486.	453.	470.	433.	457.	449.
PRECIP.	56.	76.	75.	128.	146.	83.	88.	85.	89.	123.	117.	62.	1128.
POT ET	153.	144.	162.	113.	121.	114.	125.	144.	145.	156.	149.	158.	1685.
DEF PREC	97.	67.	86.	-15.	-25.	31.	38.	60.	57.	32.	33.	96.	557.
DEP PREC	30.	46.	45.	85.	99.	51.	54.	52.	55.	82.	77.	34.	
MAI	0.20	0.32	0.28	0.75	0.82	0.44	0.43	0.36	0.38	0.52	0.51	0.22	

SAN FRANCISCO TIZ		LAT 9 28 LON 67 33 175. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.8	24.9	25.3	26.1	26.5	26.1	26.2	26.6	26.9	26.6	26.0	25.4	25.9
MEAN R.H.	68.	67.	67.	80.	82.	82.	79.	76.	78.	76.	74.	69.	75.
PCT SUN	72.	73.	73.	57.	54.	53.	59.	62.	59.	63.	65.	71.	63.
MEAN RAD.	511.	529.	518.	479.	422.	394.	423.	479.	463.	500.	480.	506.	475.
PRECIP.	3.	0.	9.	25.	166.	221.	227.	197.	135.	118.	53.	14.	1168.
POT ET	187.	169.	182.	146.	134.	121.	134.	153.	160.	179.	177.	189.	1931.
DEF PREC	184.	169.	173.	121.	-31.	-100.	-93.	-44.	24.	61.	124.	175.	763.
DEP PREC	0.	0.	0.	6.	114.	157.	162.	139.	91.	78.	27.	0.	
MAI	0.00	0.00	0.00	0.04	0.85	1.30	1.21	0.91	0.57	0.44	0.15	0.00	

SAN FELIPE		LAT 10 21 LON 68 44 255. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.4	25.8	25.8	26.5	26.3	26.0	25.7	26.2	26.5	26.6	26.1	25.7	26.1
MEAN R.H.	78.	68.	66.	80.	82.	81.	79.	74.	79.	77.	77.	81.	77.
PCT SUN	59.	72.	75.	57.	54.	56.	58.	64.	59.	60.	60.	55.	61.
MEAN RAD.	457.	529.	523.	476.	414.	397.	414.	482.	460.	491.	462.	438.	462.
PRECIP.	60.	32.	18.	85.	164.	191.	240.	170.	123.	133.	116.	107.	1439.
POT ET	173.	173.	186.	147.	131.	121.	130.	153.	157.	176.	172.	169.	1888.
DEF PREC	113.	141.	168.	62.	-33.	-70.	-110.	-17.	34.	43.	56.	62.	449.
DEP PREC	33.	11.	0.	52.	113.	134.	172.	118.	81.	89.	76.	69.	
MAI	0.19	0.06	0.00	0.36	0.86	1.11	1.32	0.77	0.52	0.51	0.44	0.41	



## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

SAN FERNANDO				LAT 7 54 LON 67 28				73. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	27.1	27.7	28.6	28.7	27.2	26.3	26.3	26.6	27.3	27.8	27.7	27.3	27.4
MEAN R.H.	66.	69.	71.	83.	82.	84.	82.	80.	79.	76.	72.	66.	76.
PCT SUN	74.	71.	68.	53.	54.	51.	54.	56.	58.	62.	67.	74.	62.
MEAN RAD.	510.	519.	499.	464.	430.	394.	415.	461.	460.	496.	482.	509.	470.
PRECIP.	1.	4.	21.	80.	171.	240.	280.	287.	158.	133.	45.	11.	1432.
POT ET	198.	178.	190.	151.	140.	121.	132.	148.	160.	183.	185.	198.	1983.
DEF PREC	197.	174.	169.	71.	-31.	-118.	-148.	-140.	2.	50.	140.	187.	551.
DEP PREC	0.	0.	3.	48.	119.	172.	203.	208.	109.	89.	21.	0.	
MAI	0.00	0.00	0.02	0.32	0.85	1.42	1.54	1.41	0.68	0.49	0.11	0.00	

SAN LORENZO				LAT 9 47 LON 71 4				2. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	71.	67.	69.	85.	84.	78.	71.	72.	85.	83.	78.	73.	76.
PCT SUN	69.	73.	71.	50.	50.	59.	69.	67.	50.	52.	60.	66.	61.
MEAN RAD.	497.	532.	509.	446.	404.	413.	456.	494.	420.	452.	456.	483.	463.
PRECIP.	22.	28.	51.	149.	196.	157.	113.	153.	223.	249.	161.	54.	1555.
POT ET	185.	172.	182.	138.	130.	120.	146.	160.	148.	156.	172.	184.	1911.
DEF PREC	163.	144.	131.	-11.	-65.	-29.	33.	7.	-74.	-84.	11.	130.	356.
DEP PREC	4.	8.	26.	101.	138.	108.	74.	105.	158.	179.	110.	28.	
MAI	0.02	0.05	0.14	0.73	1.05	0.84	0.50	0.65	1.07	1.08	0.64	0.15	

SAN LUIS				LAT 10 9 LON 68 3				450. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.1	24.5	25.2	25.6	25.3	25.3	25.7	26.1	25.7	25.2	24.6	25.1
MEAN R.H.	84.	70.	66.	81.	77.	77.	75.	71.	76.	78.	77.	78.	76.
PCT SUN	52.	70.	74.	55.	61.	61.	64.	68.	62.	60.	60.	60.	62.
MEAN RAD.	419.	519.	521.	468.	441.	417.	438.	497.	476.	489.	461.	460.	467.
PRECIP.	92.	48.	19.	34.	87.	89.	121.	95.	76.	140.	94.	73.	969.
POT ET	156.	163.	179.	140.	139.	125.	136.	156.	161.	172.	169.	170.	1864.
DEF PREC	63.	115.	161.	106.	51.	36.	15.	61.	84.	32.	74.	97.	896.
DEP PREC	58.	24.	1.	13.	54.	56.	80.	60.	46.	95.	59.	43.	
MAI	0.37	0.15	0.00	0.09	0.39	0.44	0.59	0.38	0.28	0.55	0.35	0.25	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

SAN MATEO		LAT 10 10 LON 67 28 480. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	24.0	24.4	25.1	25.5	25.2	25.3	25.6	26.0	25.6	25.1	24.5	25.0
MEAN R.H.	70.	68.	66.	79.	79.	79.	77.	76.	80.	77.	78.	71.	75.
PCT SUN	70.	71.	75.	58.	58.	58.	61.	62.	57.	61.	60.	68.	63.
MEAN RAD.	504.	525.	523.	478.	430.	406.	429.	473.	453.	492.	460.	497.	472.
PRECIP.	8.	9.	14.	54.	122.	135.	155.	183.	148.	135.	98.	20.	1081.
POT ET	181.	164.	180.	143.	134.	121.	133.	148.	153.	173.	167.	191.	1878.
DEF PREC	173.	155.	166.	88.	12.	-14.	-22.	-35.	5.	38.	69.	161.	797.
DEP PREC	0.	0.	0.	28.	81.	91.	106.	128.	101.	91.	62.	2.	
MAI	0.00	0.00	0.00	0.20	0.60	0.75	0.80	0.86	0.66	0.53	0.37	0.01	

SAN SEBASTIAN		LAT 9 37 LON 67 11 450. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.1	24.5	25.2	25.6	25.3	25.3	25.7	26.1	25.7	25.2	24.6	25.1
MEAN R.H.	69.	69.	68.	81.	82.	82.	78.	76.	79.	77.	76.	69.	75.
PCT SUN	70.	71.	72.	56.	54.	53.	59.	62.	59.	61.	62.	71.	63.
MEAN RAD.	504.	523.	514.	473.	421.	392.	424.	476.	462.	494.	469.	504.	471.
PRECIP.	7.	3.	5.	45.	158.	200.	184.	180.	131.	131.	63.	12.	1119.
POT ET	181.	164.	177.	141.	132.	118.	132.	149.	156.	174.	170.	184.	1878.
DEF PREC	174.	161.	172.	96.	-26.	-82.	-52.	-31.	25.	43.	107.	172.	759.
DEP PREC	0.	0.	0.	21.	109.	141.	129.	126.	88.	88.	35.	0.	
MAI	0.00	0.00	0.00	0.15	0.82	1.20	0.98	0.84	0.56	0.50	0.21	0.00	

SANTA ELENA		LAT 4 36 LON 61 7 907. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.6	21.9	22.4	22.3	22.0	21.4	21.1	21.5	21.9	22.1	22.0	21.7	21.8
MEAN R.H.	79.	79.	76.	84.	85.	89.	86.	80.	75.	72.	78.	79.	80.
PCT SUN	58.	59.	62.	50.	49.	42.	47.	57.	64.	67.	59.	58.	56.
MEAN RAD.	425.	456.	473.	464.	425.	373.	405.	479.	493.	511.	434.	421.	447.
PRECIP.	68.	72.	79.	131.	229.	242.	216.	165.	116.	108.	106.	117.	1649.
POT ET	148.	138.	157.	129.	121.	101.	113.	135.	150.	163.	147.	148.	1651.
DEF PREC	80.	66.	78.	-2.	-108.	-141.	-103.	-30.	33.	56.	42.	31.	1.
DEP PREC	39.	42.	47.	88.	164.	174.	153.	114.	76.	70.	68.	77.	
MAI	0.26	0.30	0.30	0.68	1.35	1.71	1.36	0.85	0.51	0.43	0.46	0.52	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

SANTA INEZ		LAT 9 54		LON 64 21		243. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.6	24.7	25.1	25.9	26.3	25.9	26.0	26.4	26.7	26.4	25.8	25.2	25.7
MEAN R.H.	72.	68.	65.	73.	71.	76.	73.	75.	76.	73.	77.	73.	73.
PCT SUN	68.	72.	75.	65.	68.	62.	66.	63.	63.	66.	61.	66.	66.
MEAN RAD.	493.	527.	525.	510.	469.	420.	445.	480.	479.	518.	464.	487.	485.
PRECIP.	23.	23.	20.	21.	34.	100.	122.	185.	120.	98.	106.	44.	896.
POT ET	181.	168.	183.	155.	149.	128.	140.	153.	164.	184.	171.	181.	1957.
DEF PREC	158.	144.	163.	134.	115.	28.	18.	32.	44.	86.	65.	137.	1061.
DEP PREC	4.	4.	2.	3.	13.	64.	81.	129.	79.	62.	68.	20.	
MAI	0.02	0.03	0.01	0.02	0.09	0.50	0.57	0.85	0.48	0.34	0.40	0.11	

SANTA ROSA		LAT 9 28		LON 64 24		220. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.8	25.2	25.9	26.3	26.0	26.0	26.4	26.8	26.4	25.9	25.3	25.8
MEAN R.H.	69.	68.	65.	75.	72.	77.	74.	74.	77.	71.	76.	70.	72.
PCT SUN	70.	72.	75.	64.	68.	62.	65.	65.	61.	68.	62.	70.	67.
MEAN RAD.	503.	527.	525.	507.	471.	423.	446.	490.	474.	523.	465.	499.	488.
PRECIP.	11.	8.	7.	18.	38.	96.	128.	153.	138.	74.	102.	23.	796.
POT ET	184.	168.	184.	154.	150.	129.	141.	156.	163.	186.	172.	185.	1971.
DEF PREC	173.	160.	177.	136.	112.	33.	13.	3.	25.	112.	70.	162.	1175.
DEP PREC	0.	0.	0.	0.	16.	61.	85.	105.	93.	44.	65.	4.	
MAI	0.00	0.00	0.00	0.00	0.11	0.47	0.61	0.67	0.57	0.23	0.38	0.02	

SANTO DOMINGO		LAT 7 34		LON 72 2		341. METERS							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.4	24.8	25.6	26.0	25.6	25.7	26.1	26.4	26.1	25.5	24.9	25.4
MEAN R.H.	73.	71.	75.	91.	83.	85.	81.	77.	82.	81.	78.	76.	79.
PCT SUN	66.	69.	64.	38.	53.	50.	56.	60.	54.	56.	60.	62.	57.
MEAN RAD.	474.	508.	481.	394.	427.	392.	425.	480.	445.	467.	450.	456.	450.
PRECIP.	35.	12.	42.	71.	150.	224.	213.	196.	138.	157.	132.	82.	1453.
POT ET	174.	161.	169.	119.	134.	119.	133.	152.	153.	166.	166.	171.	1815.
DEF PREC	139.	149.	127.	48.	-16.	-106.	-80.	-44.	14.	9.	34.	89.	362.
DEP PREC	13.	0.	19.	42.	103.	160.	151.	138.	93.	108.	88.	50.	
MAI	0.08	0.00	0.11	0.35	0.76	1.35	1.14	0.91	0.61	0.65	0.53	0.29	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

SAN TOME		LAT 8 57 LON 64 8 269. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.3	26.1	27.4	28.3	27.4	26.8	26.8	27.1	27.6	27.9	27.2	26.5	27.1
MEAN R.H.	71.	69.	68.	76.	77.	83.	79.	79.	79.	74.	76.	72.	75.
PCT SUN	68.	71.	72.	62.	61.	52.	58.	58.	58.	65.	63.	67.	63.
MEAN RAD.	491.	520.	515.	500.	450.	393.	425.	465.	460.	508.	468.	485.	473.
PRECIP.	22.	16.	7.	25.	110.	217.	211.	247.	181.	132.	84.	46.	1298.
POT ET	188.	171.	191.	161.	147.	122.	136.	151.	162.	187.	178.	186.	1980.
DEF PREC	166.	155.	184.	136.	37.	-95.	-75.	-96.	-20.	55.	95.	140.	682.
DEP PREC	3.	0.	0.	6.	71.	154.	150.	177.	127.	89.	51.	22.	
MAI	0.02	0.00	0.00	0.04	0.49	1.26	1.10	1.18	0.78	0.47	0.29	0.12	

SIERRA (LA)		LAT 9 59 LON 68 31 1000. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.3	22.4	22.8	23.6	23.9	23.6	23.7	24.1	24.4	24.1	23.5	22.9	23.4
MEAN R.H.	74.	72.	70.	84.	89.	88.	88.	83.	85.	81.	81.	76.	81.
PCT SUN	65.	68.	70.	51.	41.	43.	44.	52.	49.	55.	55.	62.	55.
MEAN RAD.	483.	509.	503.	451.	365.	351.	364.	435.	419.	465.	435.	468.	437.
PRECIP.	22.	7.	13.	111.	270.	304.	323.	276.	211.	187.	125.	55.	1905.
POT ET	168.	153.	167.	130.	110.	101.	109.	131.	138.	158.	154.	166.	1683.
DEF PREC	145.	146.	154.	19.	-160.	-203.	-215.	-145.	-74.	-29.	29.	111.	-222.
DEP PREC	4.	0.	0.	72.	195.	221.	236.	200.	150.	131.	83.	29.	
MAI	0.02	0.00	0.00	0.56	1.78	2.19	2.18	1.53	1.09	0.83	0.54	0.17	

SIQUISIQUE		LAT 10 34 LON 69 43 400. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.2	24.6	25.4	25.8	25.4	25.5	25.9	26.2	25.9	25.3	24.7	25.3
MEAN R.H.	69.	67.	67.	81.	75.	73.	69.	67.	75.	75.	75.	70.	72.
PCT SUN	71.	73.	73.	55.	63.	66.	71.	73.	64.	63.	63.	69.	67.
MEAN RAD.	512.	532.	518.	464.	448.	431.	458.	512.	480.	505.	477.	503.	487.
PRECIP.	2.	1.	3.	24.	54.	27.	37.	32.	43.	59.	45.	15.	342.
POT ET	184.	167.	179.	140.	141.	130.	143.	161.	163.	178.	173.	184.	1942.
DEF PREC	182.	166.	176.	116.	86.	103.	106.	129.	120.	119.	128.	169.	1600.
DEP PREC	0.	0.	0.	5.	28.	7.	15.	11.	20.	32.	21.	0.	
MAI	0.00	0.00	0.00	0.03	0.20	0.06	0.11	0.07	0.12	0.18	0.12	0.00	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

SOMBRERO (EL)				LAT 9 23 LON 67 3				157. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.9	25.0	25.4	26.1	26.5	26.2	26.2	26.6	27.0	26.6	26.1	25.5	26.0
MEAN R.H.	68.	67.	67.	80.	79.	80.	79.	75.	78.	75.	74.	70.	74.
PCT SUN	72.	73.	73.	57.	59.	56.	58.	63.	60.	64.	65.	70.	64.
MEAN RAD.	511.	529.	518.	478.	439.	404.	423.	483.	466.	505.	477.	500.	478.
PRECIP.	2.	2.	7.	40.	122.	182.	230.	185.	134.	108.	62.	23.	1098.
POT ET	137.	169.	183.	146.	140.	124.	134.	155.	161.	181.	177.	187.	1943.
DEF PREC	185.	167.	176.	107.	18.	-58.	-96.	-30.	27.	73.	114.	163.	845.
DEP PREC	0.	0.	0.	17.	81.	127.	164.	129.	90.	70.	35.	4.	
MAI	0.00	0.00	0.00	0.12	0.58	1.02	1.23	0.84	0.56	0.39	0.20	0.02	

TASAJERA				LAT 9 7 LON 72 2				4. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	78.	68.	70.	87.	83.	77.	69.	70.	80.	82.	78.	77.	77.
PCT SUN	60.	72.	70.	45.	52.	61.	71.	70.	57.	53.	59.	61.	61.
MEAN RAD.	454.	527.	506.	426.	415.	425.	468.	508.	453.	456.	453.	459.	463.
PRECIP.	63.	30.	25.	53.	171.	112.	70.	103.	122.	220.	169.	83.	1220.
POT ET	172.	171.	181.	132.	134.	132.	150.	165.	159.	167.	171.	176.	1908.
DEF PREC	109.	141.	156.	79.	-37.	20.	80.	61.	37.	-53.	2.	93.	688.
DEP PREC	35.	10.	6.	27.	119.	73.	41.	66.	80.	156.	117.	51.	
MAI	0.20	0.06	0.03	0.21	0.89	0.55	0.27	0.40	0.51	0.94	0.68	0.29	

TEJERIAS (LAS)				LAT 10 16 LON 67 10				503. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.1	25.2	25.6	25.9	25.6	25.0	24.4	24.9
MEAN R.H.	70.	68.	66.	79.	80.	81.	78.	76.	79.	76.	77.	73.	75.
PCT SUN	70.	71.	74.	58.	56.	56.	60.	63.	58.	62.	61.	66.	63.
MEAN RAD.	504.	526.	523.	478.	425.	397.	424.	477.	457.	498.	463.	489.	472.
PRECIP.	7.	4.	9.	46.	136.	170.	169.	168.	140.	118.	83.	32.	1082.
POT ET	181.	164.	179.	143.	132.	118.	131.	149.	154.	174.	168.	179.	1872.
DEF PREC	174.	160.	171.	97.	-4.	-51.	-38.	-19.	14.	56.	85.	147.	790.
DEP PREC	0.	0.	0.	22.	91.	118.	117.	116.	95.	78.	51.	11.	
MAI	0.00	0.00	0.00	0.15	0.69	0.99	0.89	0.73	0.61	0.45	0.30	0.06	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

TEQUES (LOS)		LAT 10 21 LON 67 2 1169. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	21.8	21.9	22.3	23.0	23.4	23.1	23.1	23.5	23.9	23.5	23.0	22.4	22.9
MEAN R.H.	75.	72.	69.	82.	81.	83.	82.	78.	81.	78.	82.	79.	78.
PCT SUN	63.	67.	72.	54.	56.	52.	54.	59.	55.	59.	55.	59.	59.
MEAN RAD.	476.	507.	514.	461.	423.	383.	403.	464.	446.	486.	434.	454.	454.
PRECIP.	27.	11.	10.	37.	118.	161.	159.	152.	145.	127.	112.	67.	1126.
POT ET	163.	151.	168.	131.	125.	109.	118.	138.	144.	162.	151.	160.	1719.
DEF. PREC	137.	140.	158.	93.	7.	-52.	-41.	-14.	-1.	35.	39.	93.	593.
DEP. PREC	7.	0.	0.	15.	78.	111.	109.	104.	99.	85.	73.	38.	
MAI	0.04	0.00	0.00	0.12	0.62	1.02	0.92	0.75	0.69	0.52	0.48	0.24	

TIA JUANA		LAT 10 15 LON 71 22 2. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	26.1	26.8	27.5	28.2	28.0	28.2	28.1	28.1	28.5	28.1	27.8	27.5	27.7
MEAN R.H.	68.	66.	67.	84.	79.	75.	68.	69.	80.	79.	73.	70.	73.
PCT SUN	72.	74.	73.	51.	58.	64.	72.	70.	57.	58.	66.	69.	65.
MEAN RAD.	513.	538.	518.	451.	433.	424.	464.	505.	453.	481.	486.	502.	481.
PRECIP.	5.	12.	7.	31.	109.	101.	71.	102.	125.	145.	53.	23.	785.
POT ET	194.	179.	192.	145.	143.	136.	154.	167.	162.	179.	186.	197.	2035.
DEF. PREC	189.	167.	185.	114.	34.	35.	82.	65.	37.	34.	133.	174.	1250.
DEP. PREC	0.	0.	0.	10.	71.	65.	41.	65.	83.	99.	27.	4.	
MAI	0.00	0.00	0.00	0.07	0.49	0.47	0.27	0.39	0.51	0.55	0.15	0.02	

TIARA		LAT 10 8 LON 67 0 750. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.2	23.5	24.3	24.7	24.4	24.4	24.8	25.2	24.8	24.3	23.7	24.2
MEAN R.H.	72.	70.	66.	81.	81.	84.	82.	80.	82.	73.	78.	74.	77.
PCT SUN	67.	69.	74.	56.	56.	50.	54.	57.	54.	59.	59.	65.	60.
MEAN RAD.	492.	517.	520.	470.	424.	378.	401.	457.	441.	485.	457.	483.	460.
PRECIP.	16.	11.	7.	46.	132.	222.	225.	219.	176.	152.	78.	33.	1318.
POT ET	173.	158.	175.	138.	130.	111.	122.	140.	147.	167.	163.	174.	1797.
DEF. PREC	158.	148.	168.	91.	-3.	-111.	-103.	-79.	-29.	15.	85.	141.	479.
DEP. PREC	0.	0.	0.	22.	89.	158.	160.	156.	122.	104.	47.	12.	
MAI	0.00	0.00	0.00	0.16	0.68	1.43	1.32	1.11	0.83	0.62	0.29	0.07	

## POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

TIMOTES		LAT 9 0 LON 70 45 2017. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	19.2	19.3	19.7	20.4	20.8	20.5	20.6	20.9	21.3	20.9	20.4	19.8	20.3
MEAN R.H.	75.	78.	74.	92.	84.	85.	85.	79.	81.	83.	84.	75.	81.
PCT SUN	63.	60.	65.	36.	51.	49.	49.	59.	55.	53.	52.	63.	54.
MEAN RAD.	471.	471.	484.	383.	410.	379.	391.	467.	447.	455.	415.	467.	437.
PRECIP.	15.	12.	31.	116.	122.	103.	95.	72.	72.	132.	78.	28.	876.
POT ET	151.	132.	149.	101.	114.	101.	107.	129.	135.	143.	136.	152.	1550.
DEF PREC	135.	120.	117.	-14.	-9.	-2.	12.	57.	63.	11.	58.	124.	673.
DEP PREC	0.	0.	11.	76.	81.	66.	60.	42.	42.	88.	47.	8.	
MAI	0.00	0.00	0.07	0.75	0.71	0.65	0.56	0.33	0.31	0.62	0.34	0.05	

TORITO		LAT 10 11 LON 68 8 500. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.8	23.9	24.3	25.1	25.5	25.1	25.2	25.6	25.9	25.6	25.0	24.4	25.0
MEAN R.H.	70.	69.	66.	81.	81.	83.	82.	77.	81.	79.	77.	72.	76.
PCT SUN	70.	71.	74.	55.	56.	52.	54.	61.	56.	58.	61.	68.	61.
MEAN RAD.	504.	525.	520.	467.	423.	383.	403.	471.	449.	479.	463.	494.	465.
PRECIP.	7.	9.	5.	84.	139.	227.	253.	190.	153.	173.	82.	24.	1345.
POT ET	181.	164.	179.	139.	132.	114.	124.	147.	152.	168.	168.	130.	1848.
DEF PREC	173.	155.	174.	55.	-6.	-113.	-129.	-43.	-1.	-5.	86.	156.	503.
DEP PREC	0.	0.	0.	51.	93.	162.	182.	133.	105.	120.	50.	5.	
MAI	0.00	0.00	0.00	0.37	0.71	1.42	1.46	0.91	0.69	0.71	0.30	0.03	

TOVAR		LAT 8 21 LON 71 46 953. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.4	22.5	22.9	23.7	24.1	23.8	23.8	24.2	24.5	24.2	23.6	23.0	23.6
MEAN R.H.	77.	75.	74.	91.	80.	81.	77.	73.	81.	81.	80.	78.	79.
PCT SUN	60.	64.	65.	39.	56.	55.	60.	66.	56.	56.	57.	59.	58.
MEAN RAD.	454.	489.	486.	397.	436.	407.	436.	497.	452.	467.	439.	448.	451.
PRECIP.	48.	58.	51.	53.	96.	98.	78.	65.	93.	127.	107.	79.	954.
POT ET	160.	149.	162.	115.	131.	118.	130.	150.	148.	159.	156.	161.	1738.
DEF PREC	112.	91.	111.	62.	35.	19.	52.	85.	54.	32.	48.	81.	784.
DEP PREC	24.	31.	26.	27.	61.	62.	47.	36.	59.	85.	69.	48.	
MAI	0.15	0.21	0.16	0.24	0.46	0.53	0.36	0.24	0.40	0.53	0.45	0.30	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

TRENTINO		LAT 9 49 LON 70 12 532. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.6	23.7	24.1	24.8	25.2	24.9	24.9	25.3	25.7	25.3	24.8	24.2	24.7
MEAN R.H.	74.	70.	70.	85.	80.	77.	73.	71.	81.	79.	79.	74.	76.
PCT SUN	64.	70.	69.	48.	57.	61.	66.	68.	56.	58.	58.	64.	62.
MEAN RAD.	477.	517.	503.	440.	431.	420.	448.	498.	448.	479.	449.	478.	466.
PRECIP.	34.	25.	50.	84.	106.	68.	63.	79.	130.	135.	123.	49.	946.
POT ET	172.	161.	172.	130.	133.	125.	133.	155.	151.	167.	163.	174.	1841.
DEF PREC	138.	135.	122.	47.	27.	56.	75.	76.	21.	33.	40.	125.	895.
DEP PREC	13.	6.	25.	51.	68.	39.	35.	47.	87.	90.	81.	25.	
MAI	0.07	0.04	0.15	0.39	0.51	0.31	0.25	0.31	0.58	0.54	0.50	0.14	

TRUJILLO		LAT 9 22 LON 70 26 790. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.0	23.4	24.2	24.6	24.3	24.3	24.7	25.0	24.7	24.1	23.5	24.1
MEAN R.H.	76.	72.	71.	87.	80.	78.	73.	72.	79.	79.	80.	74.	77.
PCT SUN	62.	67.	69.	46.	57.	60.	66.	67.	58.	59.	56.	64.	61.
MEAN RAD.	464.	504.	501.	428.	432.	418.	448.	496.	458.	483.	439.	475.	462.
PRECIP.	42.	46.	83.	94.	102.	61.	40.	74.	92.	105.	131.	45.	917.
POT ET	165.	154.	169.	125.	132.	122.	136.	151.	151.	166.	157.	171.	1799.
DEF PREC	123.	108.	86.	30.	29.	61.	96.	77.	59.	60.	26.	126.	892.
DEP PREC	19.	22.	51.	59.	66.	34.	17.	44.	57.	68.	88.	21.	
MAI	0.12	0.14	0.30	0.48	0.50	0.28	0.13	0.29	0.38	0.41	0.56	0.12	

TUCACOS		LAT 10 48 LON 68 19 4. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.3	25.4	25.8	26.6	27.0	26.7	26.7	27.1	27.4	27.1	26.5	25.9	26.5
MEAN R.H.	78.	66.	65.	77.	73.	72.	68.	67.	74.	78.	81.	89.	74.
PCT SUN	59.	74.	75.	60.	66.	67.	72.	73.	65.	60.	55.	42.	64.
MEAN RAD.	458.	539.	526.	487.	457.	433.	461.	511.	486.	489.	437.	371.	471.
PRECIP.	64.	34.	50.	66.	44.	54.	76.	70.	57.	163.	232.	196.	1107.
POT ET	173.	174.	187.	151.	147.	134.	148.	166.	169.	179.	166.	148.	1941.
DEF PREC	109.	140.	137.	85.	103.	80.	71.	96.	112.	15.	-66.	-48.	834.
DEP PREC	36.	13.	25.	37.	21.	28.	46.	40.	30.	112.	166.	138.	
MAI	0.21	0.07	0.14	0.25	0.14	0.21	0.31	0.24	0.18	0.63	1.00	0.93	



POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

TUCUPIITA	LAT 9 3 LON 62 3 30. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	25.2	25.4	25.7	26.5	26.9	26.6	26.6	27.0	27.4	27.0	26.5	25.9	26.4
MEAN R.H.	81.	68.	63.	71.	77.	80.	76.	74.	72.	70.	76.	79.	74.
PCT SUN	55.	72.	77.	69.	61.	56.	62.	65.	67.	69.	62.	58.	64.
MEAN RAD.	432.	524.	534.	526.	448.	407.	437.	492.	499.	527.	466.	443.	478.
PRECIP.	84.	37.	46.	54.	133.	187.	194.	168.	98.	103.	119.	103.	1325.
POT ET	165.	170.	189.	162.	144.	126.	140.	159.	173.	190.	174.	171.	1962.
DEF PREC	81.	133.	143.	109.	11.	-61.	-54.	-9.	76.	87.	56.	67.	637.
DEP PREC	51.	15.	22.	28.	89.	131.	137.	116.	62.	66.	78.	66.	
MAI	0.31	0.09	0.12	0.17	0.62	1.04	0.93	0.73	0.36	0.35	0.45	0.39	

TUREN COLONIA	LAT 9 16 LON 69 5 275. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.5	24.6	25.0	25.8	26.2	25.8	25.9	26.3	26.6	26.3	25.7	25.1	25.6
MEAN R.H.	68.	68.	69.	84.	85.	83.	81.	76.	80.	78.	76.	72.	77.
PCT SUN	72.	72.	71.	51.	49.	52.	55.	63.	57.	60.	63.	67.	61.
MEAN RAD.	509.	525.	511.	453.	403.	389.	411.	482.	454.	488.	469.	488.	465.
PRECIP.	3.	3.	15.	69.	207.	232.	262.	180.	142.	134.	80.	37.	1363.
POT ET	185.	166.	179.	137.	128.	118.	129.	153.	156.	174.	173.	181.	1879.
DEF PREC	182.	163.	163.	69.	-79.	-114.	-132.	-27.	14.	40.	93.	144.	515.
DEP PREC	0.	0.	0.	40.	146.	166.	189.	126.	96.	90.	48.	15.	
MAI	0.00	0.00	0.00	0.29	1.14	1.40	1.46	0.82	0.62	0.52	0.28	0.08	

TUMEREHO	LAT 7 18 LON 61 27 177. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.1	24.2	24.9	25.5	25.7	25.1	25.2	25.7	26.0	26.1	25.8	24.8	25.3
MEAN R.H.	84.	72.	68.	74.	78.	83.	78.	74.	69.	69.	74.	79.	75.
PCT SUN	51.	67.	72.	64.	59.	53.	60.	65.	71.	71.	64.	59.	63.
MEAN RAD.	407.	500.	515.	515.	451.	404.	440.	498.	517.	533.	469.	440.	474.
PRECIP.	103.	74.	65.	100.	148.	196.	180.	147.	55.	72.	76.	106.	1321.
POT ET	153.	158.	180.	155.	141.	121.	136.	156.	173.	188.	173.	165.	1898.
DEF PREC	50.	84.	115.	56.	-7.	-76.	-44.	9.	118.	116.	97.	60.	578.
DEP PREC	66.	44.	36.	63.	101.	138.	125.	100.	29.	42.	45.	68.	
MAI	0.43	0.28	0.20	0.41	0.72	1.14	0.92	0.64	0.17	0.22	0.26	0.41	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

TURMERO		LAT 10 14 LON 67 28 466. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	24.0	24.4	25.2	25.6	25.2	25.3	25.7	26.0	25.7	25.1	24.5	25.1
MEAN R.H.	69.	68.	66.	79.	80.	78.	76.	71.	79.	78.	78.	72.	74.
PCT SUN	71.	72.	75.	58.	57.	59.	63.	63.	58.	60.	60.	68.	64.
MEAN RAD.	507.	526.	523.	479.	427.	409.	433.	476.	458.	489.	461.	495.	475.
PRECIP.	4.	6.	19.	39.	130.	123.	136.	93.	133.	149.	96.	24.	951.
POT ET	182.	165.	180.	143.	133.	122.	134.	155.	155.	172.	167.	181.	1891.
DEF PREC	178.	159.	161.	105.	3.	-0.	-2.	62.	22.	23.	72.	157.	940.
DEP PREC	0.	0.	1.	16.	87.	81.	92.	58.	89.	102.	69.	5.	
MAI	0.00	0.00	0.01	0.11	0.65	0.66	0.68	0.38	0.58	0.59	0.36	0.03	

TURTURIA		LAT 10 11 LON 69 45 800. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	22.9	23.0	23.4	24.2	24.6	24.2	24.3	24.7	25.0	24.7	24.1	23.5	24.0
MEAN R.H.	71.	70.	68.	84.	78.	76.	72.	70.	77.	78.	77.	71.	74.
PCT SUN	68.	69.	72.	51.	60.	63.	67.	69.	61.	60.	61.	68.	64.
MEAN RAD.	496.	516.	514.	448.	439.	421.	449.	502.	471.	490.	462.	497.	475.
PRECIP.	10.	9.	9.	36.	73.	36.	26.	39.	57.	91.	52.	14.	452.
POT ET	174.	158.	172.	131.	134.	123.	136.	153.	155.	168.	164.	177.	1845.
DEF PREC	164.	148.	164.	95.	61.	87.	110.	115.	98.	76.	112.	163.	1393.
DEP PREC	0.	0.	0.	14.	43.	14.	7.	16.	30.	57.	27.	0.	
MAI	0.00	0.00	0.00	0.11	0.32	0.12	0.05	0.11	0.19	0.34	0.16	0.00	

UPATA		LAT 8 1 LON 62 25 340. METERS											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.3	24.4	24.8	25.6	26.0	25.6	25.7	26.1	26.4	26.1	25.5	24.9	25.4
MEAN R.H.	78.	72.	67.	75.	74.	80.	77.	76.	74.	71.	76.	76.	75.
PCT SUN	60.	68.	73.	63.	64.	56.	61.	62.	65.	69.	62.	62.	64.
MEAN RAD.	451.	505.	520.	508.	467.	414.	440.	484.	493.	525.	462.	457.	477.
PRECIP.	59.	51.	24.	55.	81.	135.	153.	178.	106.	87.	91.	77.	1097.
POT ET	167.	160.	181.	154.	147.	125.	138.	153.	167.	185.	170.	171.	1916.
DEF PREC	108.	110.	157.	99.	66.	-10.	-15.	-25.	61.	98.	78.	94.	820.
DEP PREC	32.	25.	5.	29.	49.	91.	105.	124.	69.	53.	57.	46.	
MAI	0.19	0.16	0.03	0.19	0.33	0.72	0.76	0.81	0.41	0.29	0.34	0.27	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

URACHICHE				LAT 10 9 LON 69 1				472. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.9	24.0	24.4	25.2	25.6	25.2	25.3	25.7	26.0	25.7	25.1	24.5	25.0
MEAN R.H.	70.	68.	67.	83.	82.	81.	80.	73.	76.	76.	77.	72.	75.
PCT SUN	69.	71.	73.	53.	54.	56.	57.	65.	62.	62.	61.	67.	63.
MEAN RAD.	501.	526.	518.	457.	416.	398.	414.	487.	473.	499.	466.	489.	470.
PRECIP.	10.	6.	4.	50.	153.	168.	213.	130.	72.	86.	76.	31.	998.
POT ET	180.	164.	178.	137.	130.	119.	128.	153.	160.	175.	169.	179.	1872.
DEF PREC	170.	158.	174.	87.	-23.	-49.	-85.	23.	88.	89.	93.	148.	874.
DEP PREC	0.	0.	0.	25.	105.	116.	151.	87.	42.	53.	45.	10.	
MAI	0.00	0.00	0.00	0.18	0.81	0.98	1.18	0.57	0.26	0.30	0.27	0.06	

VALENCIA				LAT 10 11 LON 68 0				464. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.3	25.1	25.4	24.8	24.5	24.1	24.2	24.2	24.6	24.6	24.1	24.5
MEAN R.H.	69.	68.	66.	81.	81.	80.	78.	77.	81.	77.	77.	72.	76.
PCT SUN	71.	72.	74.	55.	56.	56.	60.	61.	56.	60.	61.	67.	62.
MEAN RAD.	507.	526.	521.	468.	423.	399.	423.	472.	449.	491.	464.	492.	470.
PRECIP.	4.	5.	14.	61.	139.	165.	177.	190.	155.	132.	82.	27.	1151.
POT ET	182.	166.	182.	141.	129.	117.	128.	143.	146.	168.	166.	178.	1847.
DEF PREC	178.	160.	168.	80.	-9.	-48.	-49.	-47.	-9.	36.	84.	151.	696.
DEP PREC	0.	0.	0.	34.	94.	114.	123.	133.	106.	89.	50.	7.	
MAI	0.00	0.00	0.00	0.24	0.72	0.97	0.97	0.94	0.73	0.53	0.30	0.04	

VALERA				LAT 9 20 LON 70 37				547. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	23.8	24.2	24.9	25.3	25.0	25.1	25.4	25.8	25.4	24.9	24.3	24.8
MEAN R.H.	76.	71.	70.	86.	80.	77.	73.	72.	80.	79.	77.	77.	77.
PCT SUN	62.	68.	70.	47.	57.	61.	66.	67.	57.	58.	61.	61.	61.
MEAN RAD.	466.	511.	504.	435.	434.	421.	449.	496.	455.	479.	461.	461.	464.
PRECIP.	44.	44.	57.	95.	105.	71.	70.	96.	109.	130.	80.	70.	971.
POT ET	169.	159.	173.	129.	135.	125.	138.	155.	153.	168.	167.	170.	1841.
DEF PREC	125.	116.	116.	34.	30.	54.	68.	59.	44.	38.	87.	100.	870.
DEP PREC	20.	20.	30.	60.	67.	41.	41.	61.	71.	87.	48.	41.	
MAI	0.12	0.13	0.18	0.46	0.50	0.33	0.29	0.39	0.46	0.52	0.29	0.24	

POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFICIT FOR VENEZUELA

VALLE DE LA PASCUA				LAT 9 13		LON 66 3		200. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.7	24.8	25.2	26.0	26.4	26.1	26.1	26.5	26.8	26.5	25.9	25.3	25.9
MEAN R.H.	68.	68.	66.	79.	77.	81.	78.	76.	77.	74.	73.	69.	74.
PCT SUN	72.	72.	74.	59.	61.	55.	59.	63.	61.	65.	67.	71.	65.
MEAN RAD.	507.	527.	520.	485.	448.	402.	426.	481.	471.	510.	486.	505.	481.
PRECIP.	5.	1.	6.	51.	104.	189.	213.	191.	130.	101.	25.	13.	1028.
POT ET	186.	168.	183.	148.	142.	123.	135.	153.	162.	182.	178.	188.	1948.
DEF PREC	180.	167.	177.	98.	38.	-66.	-78.	-37.	32.	81.	153.	175.	920.
DEP PREC	0.	0.	0.	25.	67.	132.	151.	134.	87.	64.	6.	0.	
MAI	0.00	0.00	0.00	0.17	0.47	1.08	1.12	0.87	0.54	0.35	0.03	0.00	

VALLE HONDO				LAT 9 40		LON 70 18		750. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.0	23.2	23.5	24.3	24.7	24.4	24.4	24.8	25.2	24.8	24.3	23.7	24.2
MEAN R.H.	76.	72.	71.	86.	80.	77.	73.	71.	79.	79.	90.	76.	77.
PCT SUN	62.	68.	69.	47.	57.	61.	66.	68.	58.	58.	57.	63.	61.
MEAN RAD.	465.	508.	501.	433.	430.	420.	446.	500.	457.	480.	443.	469.	463.
PRECIP.	43.	41.	49.	86.	105.	52.	50.	58.	98.	122.	125.	57.	886.
POT ET	166.	156.	170.	127.	131.	123.	135.	153.	151.	165.	159.	170.	1807.
DEF PREC	123.	115.	121.	41.	27.	71.	85.	95.	53.	43.	34.	113.	921.
DEP PREC	20.	18.	24.	53.	67.	27.	25.	31.	62.	81.	83.	30.	
MAI	0.12	0.12	0.14	0.42	0.51	0.22	0.19	0.20	0.41	0.49	0.52	0.18	

VICTORIA (LA)				LAT 10 14		LON 67 20		550. METERS					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.7	23.8	24.2	24.9	25.3	25.0	25.0	25.4	25.8	25.4	24.9	24.3	24.8
MEAN R.H.	69.	69.	66.	80.	81.	82.	80.	76.	80.	77.	78.	71.	76.
PCT SUN	71.	71.	74.	57.	55.	54.	57.	62.	57.	61.	60.	68.	62.
MEAN RAD.	507.	524.	522.	476.	420.	393.	413.	474.	454.	496.	460.	496.	470.
PRECIP.	3.	4.	12.	53.	147.	182.	204.	172.	143.	121.	90.	20.	1151.
POT ET	181.	163.	179.	142.	130.	117.	127.	148.	153.	173.	166.	180.	1859.
DEF PREC	178.	159.	167.	88.	-17.	-65.	-77.	-24.	10.	52.	76.	160.	707.
DEP PREC	0.	0.	0.	27.	100.	127.	144.	119.	97.	80.	56.	2.	
MAI	0.00	0.00	0.00	0.19	0.77	1.09	1.13	0.81	0.63	0.46	0.34	0.01	

# POTENTIAL EVAPOTRANSPIRATION AND PRECIPITATION DEFECIT FOR VENEZUELA

VIGIRIMA	LAT 10 18 LON 67 53 585. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	23.5	23.7	24.0	24.8	25.2	24.9	24.9	25.3	25.7	25.3	24.8	24.2	24.7
MEAN R.H.	72.	69.	66.	80.	79.	82.	80.	80.	81.	78.	80.	75.	77.
PCT SUN	68.	71.	74.	57.	58.	54.	57.	57.	56.	60.	57.	64.	61.
MEAN RAD.	494.	524.	522.	476.	429.	390.	411.	453.	447.	488.	447.	478.	453.
PRECIP.	17.	2.	2.	44.	116.	192.	210.	248.	157.	138.	131.	46.	1301.
POT ET	177.	163.	178.	141.	133.	116.	126.	141.	150.	170.	162.	174.	1830.
DEF PREC	160.	161.	176.	97.	17.	-76.	-84.	-107.	-7.	32.	31.	128.	529.
DEP PREC	0.	0.	0.	20.	76.	135.	149.	178.	108.	93.	88.	22.	
MAI	0.00	0.00	0.00	0.14	0.57	1.16	1.18	1.26	0.72	0.55	0.54	0.13	

VILLEGAS PUENTE	LAT 9 45 LON 70 15 450. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.0	24.1	24.5	25.2	25.6	25.3	25.3	25.7	26.1	25.7	25.2	24.6	25.1
MEAN R.H.	75.	70.	70.	85.	81.	77.	71.	72.	80.	80.	78.	74.	76.
PCT SUN	64.	70.	70.	49.	56.	61.	69.	67.	56.	57.	59.	64.	62.
MEAN RAD.	476.	519.	505.	443.	427.	419.	456.	496.	451.	476.	455.	478.	467.
PRECIP.	37.	34.	40.	104.	125.	85.	51.	102.	126.	152.	115.	51.	1022.
POT ET	173.	163.	175.	133.	133.	126.	142.	155.	153.	168.	166.	176.	1862.
DEF PREC	136.	129.	135.	29.	8.	41.	91.	53.	27.	16.	51.	125.	840.
DEP PREC	15.	13.	17.	67.	83.	52.	26.	65.	84.	104.	75.	26.	
MAI	0.09	0.08	0.10	0.50	0.62	0.41	0.18	0.42	0.55	0.62	0.45	0.15	

YARITAGUA	LAT 10 5 LON 69 7 374. METERS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN TEMP	24.2	24.3	24.7	25.5	25.9	25.5	25.6	26.0	26.3	26.0	25.4	24.8	25.3
MEAN R.H.	70.	68.	67.	82.	79.	79.	77.	73.	76.	75.	76.	73.	75.
PCT SUN	69.	72.	73.	53.	58.	58.	62.	66.	62.	64.	63.	67.	64.
MEAN RAD.	500.	527.	519.	459.	431.	407.	430.	491.	474.	506.	472.	489.	475.
PRECIP.	13.	10.	7.	64.	116.	143.	165.	124.	72.	64.	65.	33.	875.
POT ET	181.	166.	180.	138.	135.	123.	134.	155.	161.	178.	172.	180.	1904.
DEF PREC	168.	156.	173.	74.	19.	-20.	-31.	31.	89.	115.	108.	147.	1029.
DEP PREC	0.	0.	0.	36.	76.	97.	114.	82.	42.	35.	36.	12.	
MAI	0.00	0.00	0.00	0.26	0.56	0.79	0.85	0.53	0.26	0.20	0.21	0.07	