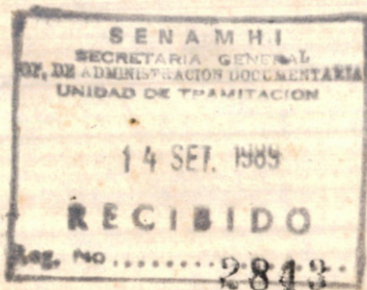




TEMPERATURA Y PRECIPITACION
NORMALES DECADALES





L055/2013

AGRADECIMIENTO

La Oficina Sectorial de Estadística del Ministerio de Agricultura agradece al CONCEJO NACIONAL DE CIENCIA Y TECNOLOGIA-CONCYTEC, por el financiamiento de la presente publicación.

CONCYTEC



PRESENTACION

LA EVALUACION DEL IMPACTO AGROCLIMATICO se basa en el seguimiento del estado de los cultivos, de las condiciones agrometeorológicas y de la disponibilidad del recurso hídrico.

A través de la sub-Actividad 6a: "Evaluación del Impacto Agroclimático - Datos Básicos y Análisis Climáticos" del Proyecto Planificación Agrícola y Desarrollo Institucional (PADI), el Servicio Nacional de Meteorología e Hidrología (SENAMHI) ha rehabilitado setentidos estaciones meteorológicas seleccionadas, ha puesto en operación parte del sistema de transmisión de datos meteorológicos a tiempo real y ha realizado el procesamiento automático de la información meteorológica básica. Estas acciones están permitiendo realizar el seguimiento de las condiciones agrometeorológicas, con lo cual el SENAMHI y la Oficina Sectorial de Estadística (OSE) del Ministerio de Agricultura están preparando y difundiendo informes periódicos de la Evaluación del Impacto Agroclimático a nivel nacional, departamental y local.

En esta publicación se presentan las "normales" decadales de temperatura máxima, temperatura mínima y precipitación de 106 estaciones meteorológicas seleccionadas. El período considerado para el cálculo de estas normales, para la mayoría de las estaciones seleccionadas, es de 1961-80.

Es propósito de esta publicación poner la información generada y utilizada por el Proyecto PADI al alcance de otras entidades e investigadores interesados en estudiar y analizar la interacción del clima con actividades de los principales sectores de producción del país. Esta publicación es fruto del esfuerzo conjunto de las entidades ejecutoras de la Evaluación del Impacto Agroclimático: el SENAMHI y la OSE.

Lima, Abril 1989

Cnel FAP Alfonso Maguiña López
Jefe del SENAMHI

Sr. Santos Maza y Silupú
Director General (e) OSE

D: Sra. Olga Stambuk Vdo. de Cáceres, el 17a 2012

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I ASPECTOS GENERALES

1.1 Información Agrometeorológica Básica

La información básica para evaluar la respuesta de los cultivos a las condiciones meteorológicas consiste de las variables:

- Temperatura del aire y
- Precipitación

lo cual permite inferir la disponibilidad de energía calorífica y la del recurso agua, necesarios para el crecimiento y desarrollo de los cultivos.

La respuesta de los cultivos a la temperatura del aire, es la resultante de la interacción planta-temperatura durante todo el día. La evaluación de esta interacción, por lo tanto, requiere de información continua de la temperatura durante el día o temperaturas "diurnas" y "nocturnas". Un dato que permite inferir el valor de la temperatura nocturna viene a ser la temperatura "mínima", registrada, en promedio, instantes antes de la salida del sol; por otro lado, la temperatura diurna puede ser estimada con cierto grado de precisión en base a la temperatura "máxima", registrada, en promedio una o dos horas después del medio día. Es así, que son estas temperaturas extremas, las que debieran ser utilizadas, en caso de no contar con datos horarios, en evaluaciones y estudios sobre efectos de la temperatura del aire en los cultivos.

En el caso de la precipitación, el dato básico es la precipitación acumulada en el periodo de veinticuatro horas, de las 07 horas de un día a las 07 horas del día siguiente, de acuerdo a las recomendaciones dadas por la Organización Meteorológica Mundial (OMM).

1.2 Totales y Promedios Decadales

El crecimiento y desarrollo de los cultivos es resultado de la continua interacción de la planta con el medio ambiente. En tal sentido, cualquier variación extrema de la temperatura y de la disponibilidad de agua durante uno o más días afecta directamente a los cultivos. Dependiendo de la magnitud y duración de estas variaciones así como del estadio de los cultivos, los efectos netos en los cultivos se aprecian en los rendimientos de los cultivos al final de la campaña.

Por estas consideraciones, en las evaluaciones del componente hidrometeorológico es recomendable reemplazar los comúnmente usados totales y promedios mensuales por totales y promedios decadales (diez días), de tal modo que aún se pueda detectar variaciones de temperatura y precipitación que sí afectan a los cultivos. Estas variaciones en la mayoría de casos, no son apreciables a través de los totales o promedios mensuales. Por ejemplo, totales decadales de precipitación permiten determinar la ocurrencia de períodos secos, veranillos, así como períodos muy húmedos para los cultivos. Del mismo modo, promedios decadales de temperaturas extremas muestran mejor la ocurrencia de períodos cálidos, óptimos y muy fríos para los cultivos.

Con fines de cálculos de totales y promedios decadales, el mes es dividido en tres décadas: del 1º al 10, del 11 al 20 y del 21 al 29 (febrero), 30 ó 31. Sólo en el caso de la precipitación decadal, es necesario tener en cuenta, sobre todo en un tratamiento riguroso de las estadísticas, que el dato correspondiente a la tercera década no siempre es resultado del mismo número de días.

1.3 Normales Decadales

Es una práctica común de los agricultores comparar las campañas agrícolas en base a las condiciones agrometeorológicas,

ya sea comparando dos campañas consecutivas, o una campaña con las condiciones agrometeorológicas "normales" para la localidad, época del año y para los cultivos instalados o por instalar. Desde el punto de vista climático, las normales no vienen a ser sino promedios multianuales; en nuestro caso en base a la serie histórica 1961-80. Si bien la duración de este periodo no satisficiera la recomendación de la OMM, es decir periodos de 30 ó más años, en el Perú el conjunto de las estaciones meteorológicas seleccionadas tiene información histórica casi completa y uniforme a partir de 1961. Se han calculado las normales de temperaturas extremas y precipitación para cada década de la campaña agrícola.

1.4 Estaciones Meteorológicas Seleccionadas

El seguimiento de las condiciones meteorológicas se realiza con información obtenida en las estaciones sinópticas, agrometeorológicas y climatológicas, cuyos datos son reportados con una demora máxima de una semana y están a disposición de los usuarios ya sea a nivel local, departamental o central (en Lima). Las estaciones seleccionadas no siempre tienen una ubicación ideal o recomendable con fines agrícolas. Sin embargo, dependiendo de las variables meteorológicas, la información meteorológica obtenida en una estación, puede ser útil en evaluaciones de carácter local o regional, como también puede servir de indicador cualitativo para evaluaciones de índole nacional. Además, dadas las condiciones geográficas del país, todas las estaciones seleccionadas son útiles, pero no proporcionan una información completa del acontecer meteorológico, por lo que el número de estaciones necesarias para el seguimiento debe aumentar, pero en lo posible en ámbitos netamente agrícolas.

El número de estaciones meteorológicas seleccionadas alcanza 106, cuyas normales de temperaturas extremas y precipitación se presentan por departamentos en el capítulo II, especificando su posición latitudinal, longitudinal y altitud.

1.5 Interpretación de los Gráficos

Las normales decadales de temperatura máxima, temperatura mínima y precipitación de cada estación se presentan en forma gráfica, de tal modo que los datos corresponden a la campaña agrícola, es decir del inicio (agosto) al fin de campaña (julio del siguiente año). Debajo del nombre de la estación, se indica el periodo considerado en el cómputo de las respectivas normales.

Una rápida observación al gráfico de temperaturas y precipitación permite deducir varias características climáticas de la localidad donde se encuentra ubicada la estación, por ejemplo:

- Promedio del rango diario de temperatura: diferencia entre temperaturas máximas y mínimas.
- Estacionalidad de las temperaturas y precipitación: variación temporal de la variable durante la campaña agrícola.
- Periodo de heladas meteorológicas: décadas en las cuales la normal de la temperatura mínima es igual o menor a 0°C .
- Periodo libre de heladas meteorológicas: décadas en las cuales la normal de temperatura mínima es superior a 0°C .
- Inicio y fin del periodo de lluvias.
- Ocurrencia de periodos secos o veranillos.

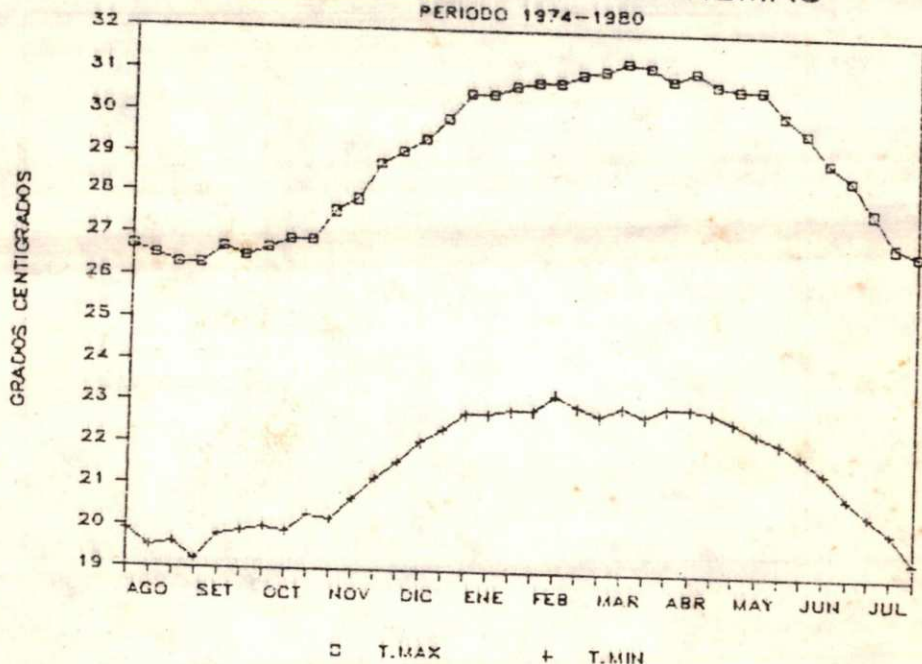
II - NORMALES DECADALES DE TEMPERATURAS MAXIMA,
TEMPERATURA MINIMA Y PRECIPITACION

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE TUMBES

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° S	LONGITUD ° W	ALTITUD m
TUMBES	TUMBES	TUMBES	3:33	80:23	25
RICA PLAYA	TUMBES	SAN JACINTO	3:48	80:31	106

TUMBES - TEMP. EXTREMAS

PERIODO 1974-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

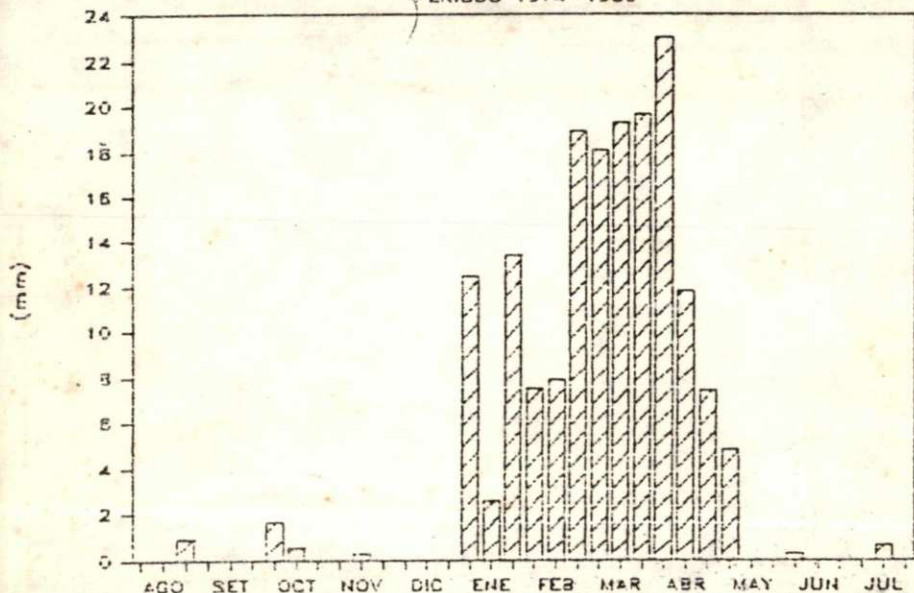
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	26.7	26.3	26.7	27.6	29.1	30.5	30.8	31.1	30.9	30.7	29.7	27.8
2	26.5	26.7	26.9	27.9	29.4	30.5	30.8	31.3	31.1	30.7	29.0	27.0
3	26.3	26.5	26.9	28.8	29.9	30.7	31.0	31.2	30.8	30.1	28.6	26.8

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.9	19.2	20.0	20.2	21.6	22.8	22.9	22.8	23.0	22.7	21.9	20.5
2	19.5	19.8	19.9	20.7	22.1	22.8	23.3	23.0	23.0	22.4	21.5	20.1
3	19.6	19.9	20.3	21.2	22.4	22.9	23.0	22.8	22.9	22.2	20.9	19.4

TUMBES - PRECIPITACION

PERIODO 1974-1980



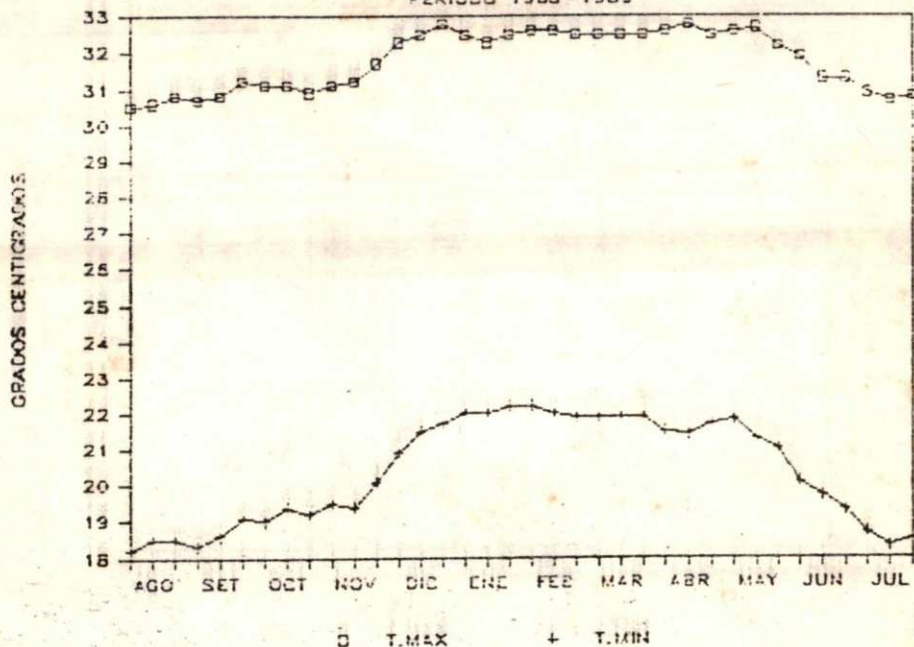
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	1.6	0.0	0.0	12.5	7.5	18.1	23.0	4.8	0.2	0.0
2	0.0	0.0	0.5	0.2	0.0	2.6	7.9	19.3	11.8	0.0	0.0	0.6
3	0.9	0.0	0.0	0.0	0.0	13.4	18.9	19.6	7.4	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 170.8 (mm)

RICAPLAYA - TEMP. EXTREMAS

PERIODO 1963-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

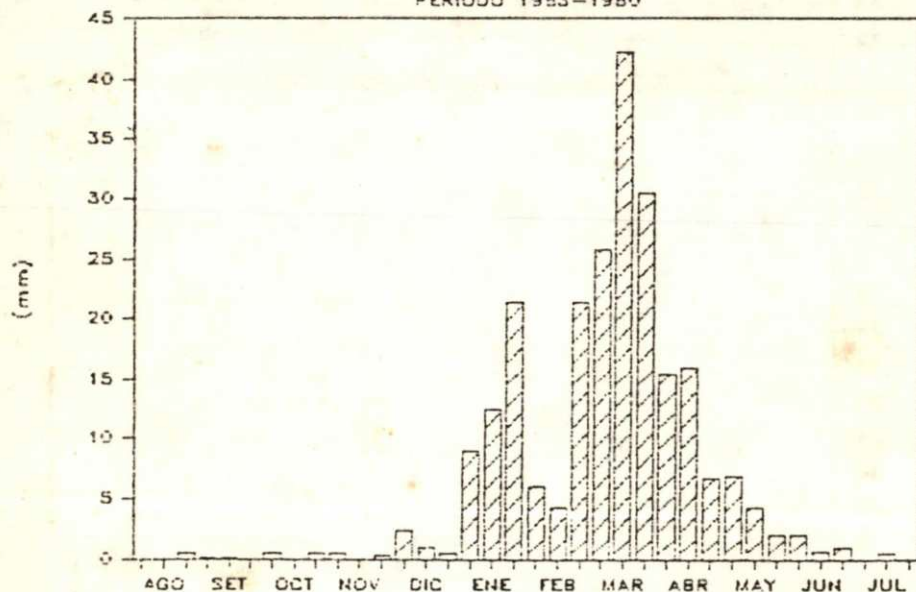
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	30.5	30.7	31.1	31.1	32.3	32.5	32.6	32.5	32.6	32.6	31.9	30.9
2	30.6	30.8	31.1	31.2	32.5	32.3	32.6	32.5	32.8	32.7	31.3	30.7
3	30.8	31.2	30.9	31.7	32.8	32.5	32.5	32.5	32.5	32.2	31.3	30.8

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.2	18.3	19.0	19.5	20.9	22.0	22.2	21.9	21.5	21.8	20.1	18.7
2	18.5	18.6	19.4	19.4	21.5	22.0	22.0	21.9	21.4	21.3	19.7	18.3
3	18.5	19.1	19.2	20.1	21.7	22.2	21.9	21.9	21.7	21.0	19.3	18.5

RICAPLAYA - PRECIPITACION

PERIODO 1953-1950



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.1	0.5	0.4	2.3	9.0	6.0	25.9	15.5	6.9	2.1	0.0
2	0.0	0.1	0.0	0.0	1.0	12.5	4.3	42.2	16.0	4.3	0.6	0.4
3	0.4	0.0	0.4	0.3	0.4	21.5	21.5	30.6	6.8	2.1	1.0	0.0

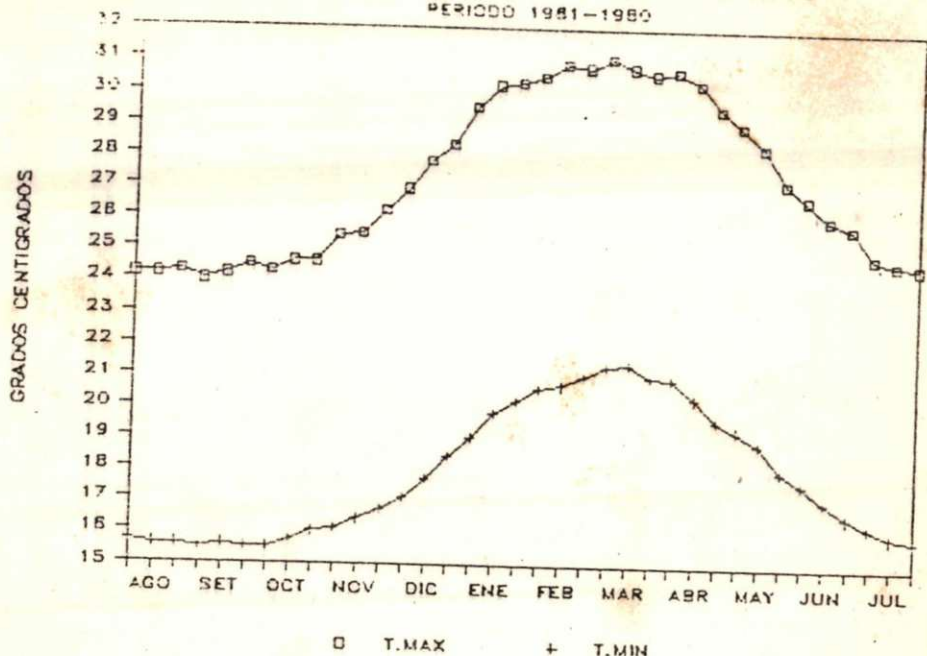
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 235.1 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE PIURA

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
TALARA	TALARA	PARINAS	4:34	81:16	50
PIURA	PIURA	PIURA	5:12	80:37	49
HUANCABAMBA	HUANCABAMBA	HUANCABAMBAS	5:14	79:27	1532
HUARMACA	HUANCABAMBA	HUARMACA	5:34	79:31	2100

TALARA - TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

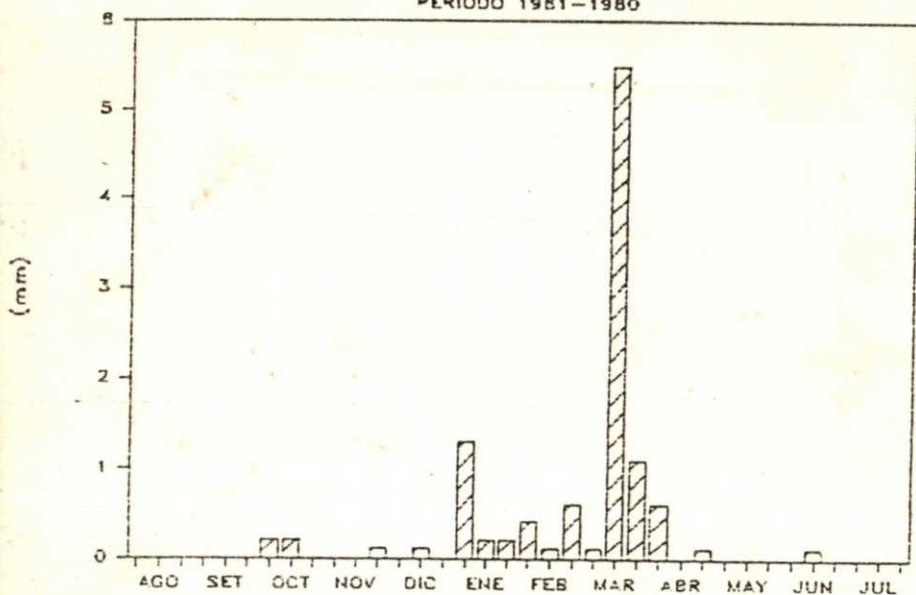
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	24.2	24.0	24.3	25.4	26.9	29.5	30.5	31.1	30.7	29.0	26.7	24.9
2	24.2	24.2	24.6	25.5	27.8	30.2	30.9	30.8	30.3	28.3	26.1	24.7
3	24.3	24.5	24.6	26.2	28.3	30.3	30.8	30.6	29.5	27.2	25.8	24.6

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.7	15.5	15.5	16.1	17.1	19.0	20.6	21.3	20.9	19.3	17.6	16.3
2	15.6	15.6	15.7	16.4	17.7	19.8	20.7	21.4	20.3	18.9	17.1	16.0
3	15.6	15.5	16.0	16.7	18.4	20.2	21.0	21.0	19.6	18.0	16.6	15.9

TALARA - PRECIPITACION

PERIODO 1951-1980



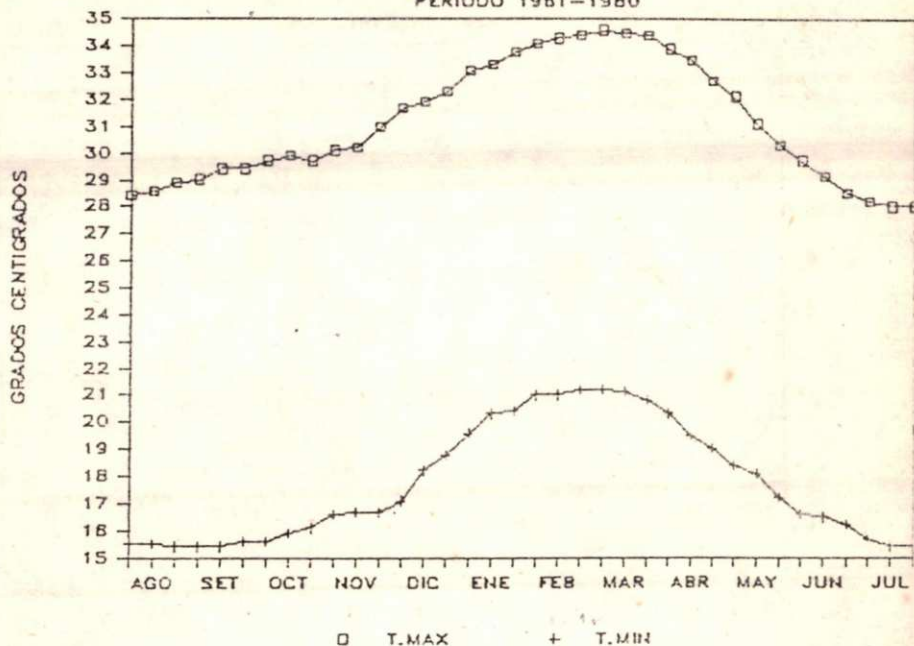
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.2	0.0	0.0	1.3	0.4	0.1	0.6	0.0	0.0	0.0
2	0.0	0.0	0.2	0.0	0.1	0.2	0.1	5.5	0.0	0.0	0.1	0.0
3	0.0	0.0	0.0	0.1	0.0	0.2	0.6	1.1	0.1	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 10.9 (mm)

PIURA - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

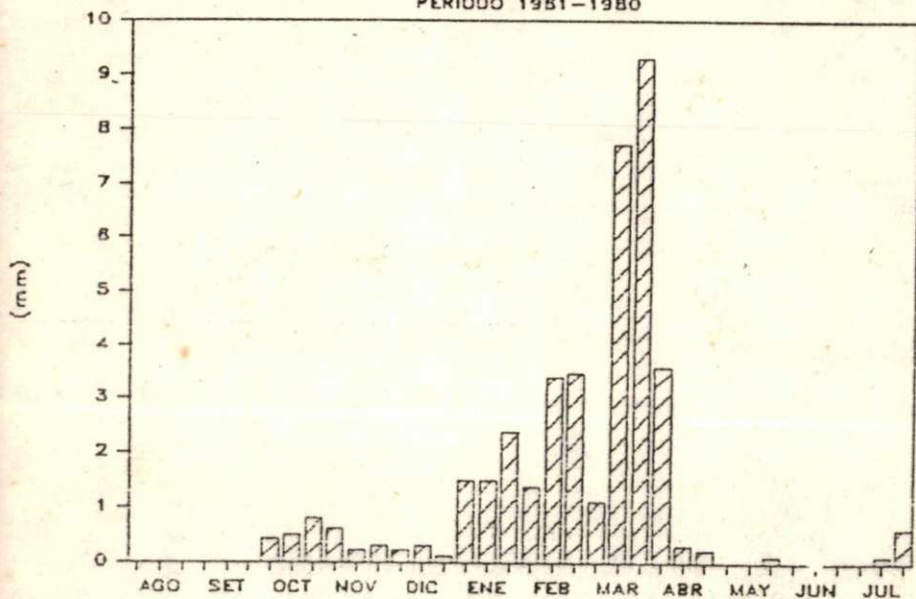
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	28.4	29.0	29.7	30.1	31.7	33.1	34.1	34.6	33.9	32.1	29.7	28.2
2	28.6	29.4	29.9	30.2	31.9	33.3	34.3	34.5	33.5	31.1	29.1	28.0
3	28.9	29.4	29.7	31.0	32.3	33.8	34.4	34.4	32.7	30.3	28.5	28.0

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.5	15.4	15.6	16.6	17.1	19.6	21.0	21.2	20.3	18.4	16.6	15.7
2	15.5	15.4	15.9	16.7	18.2	20.3	21.0	21.1	19.5	18.1	16.5	15.4
3	15.4	15.6	16.1	16.7	18.8	20.4	21.2	20.8	19.0	17.2	16.2	15.4

PIURA - PRECIPITACION

PERIODO 1951-1980



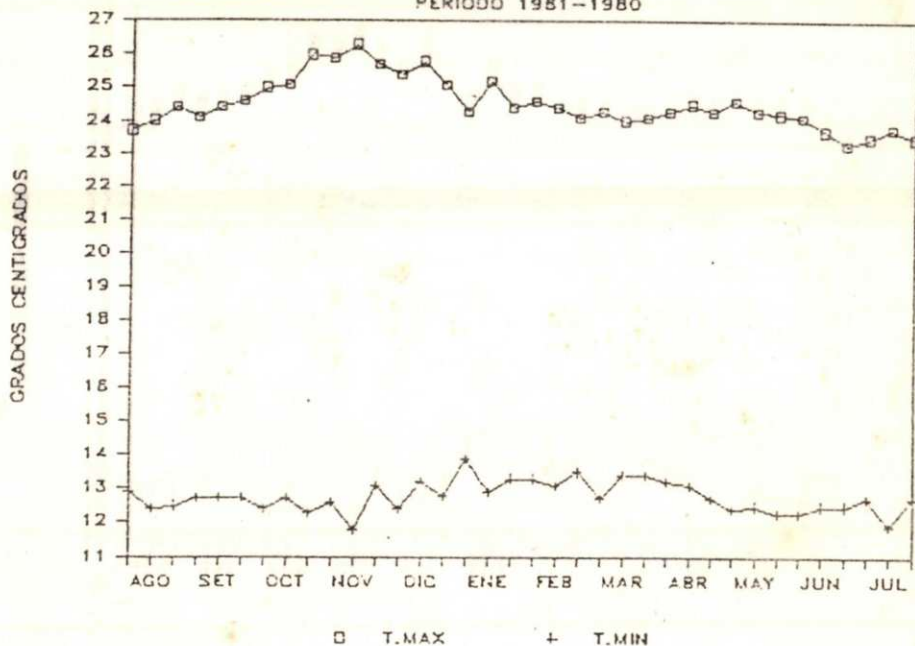
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.4	0.6	0.2	1.5	1.4	1.1	3.6	0.0	0.0	0.0
2	0.0	0.0	0.5	0.2	0.3	1.5	3.4	7.7	0.3	0.0	0.0	0.1
3	0.0	0.0	0.8	0.3	0.1	2.4	3.5	9.3	0.2	0.1	0.0	0.6

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 40.1 (mm)

HUANCABAMBA -TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

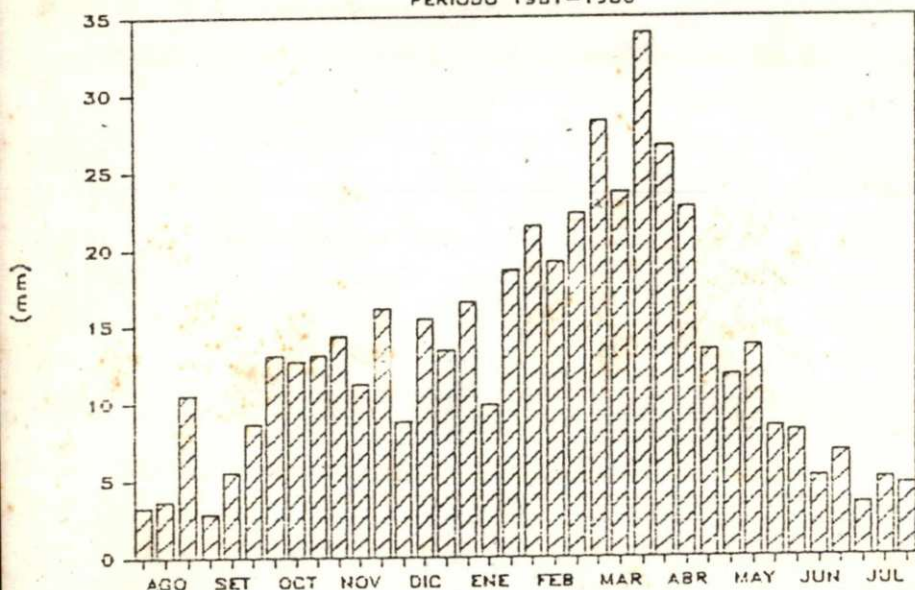
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	23.7	24.1	25.0	25.9	25.4	24.3	24.6	24.3	24.3	24.6	24.1	23.5
2	24.0	24.4	25.1	26.3	25.8	25.2	24.4	24.0	24.5	24.3	23.7	23.8
3	24.4	24.6	26.0	25.7	25.1	24.4	24.1	24.1	24.3	24.2	23.3	23.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	12.9	12.7	12.4	12.6	12.4	13.9	13.3	12.7	13.2	12.4	12.3	12.7
2	12.4	12.7	12.7	11.8	13.2	12.9	13.1	13.4	13.1	12.5	12.5	11.9
3	12.5	12.7	12.3	13.1	12.8	13.3	13.5	13.4	12.7	12.3	12.5	12.7

HUANCABAMBA - PRECIPITACION

PERIODO 1981-1980



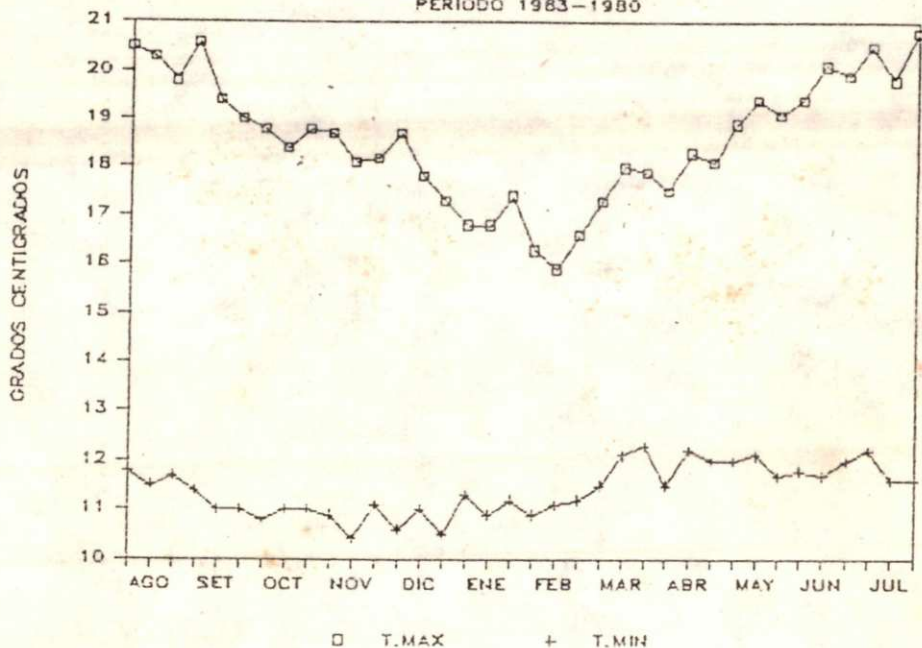
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.2	2.8	13.2	14.4	8.8	16.6	21.5	28.3	26.6	11.8	8.1	3.3
2	3.6	5.5	12.8	11.3	15.4	9.9	19.1	23.6	22.7	13.7	5.1	5.0
3	10.5	8.7	13.2	16.1	13.4	18.6	22.2	33.9	13.4	8.4	6.8	4.6

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 476.1 (mm)

HUARMACA - TEMP. EXTREMAS

PERIODO 1983-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

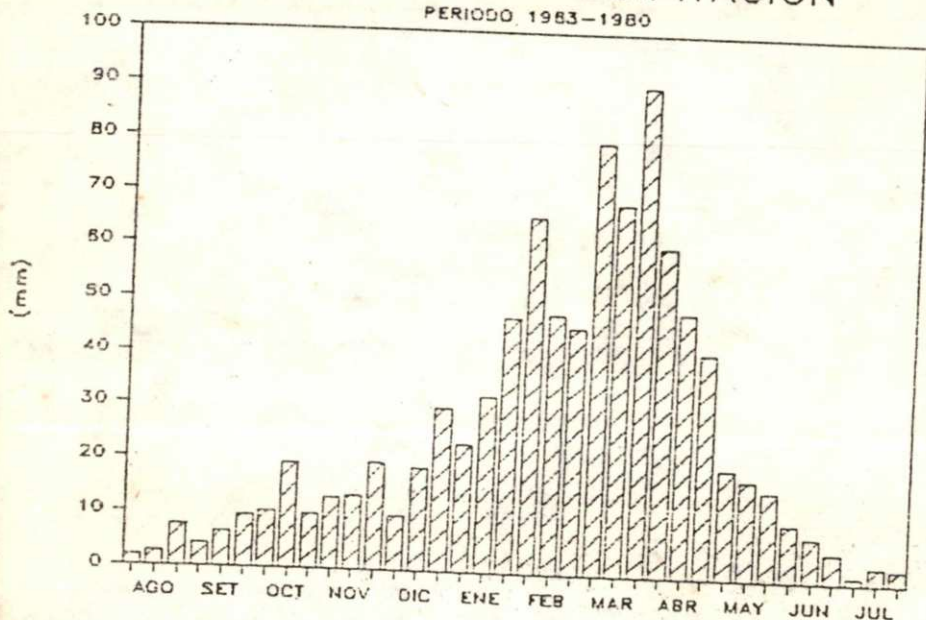
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.5	20.6	18.8	18.7	18.7	16.8	16.3	17.3	17.5	18.9	19.4	20.5
2	20.3	19.4	18.4	18.1	17.8	16.8	15.9	18.0	18.3	19.4	20.1	19.8
3	19.8	19.0	18.8	18.2	17.3	17.4	16.6	17.9	18.1	19.1	19.9	20.8

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	11.8	11.4	10.8	10.9	10.6	11.3	10.9	11.5	11.5	12.0	11.8	12.2
2	11.5	11.0	11.0	10.4	11.0	10.9	11.1	12.1	12.2	12.1	11.7	11.6
3	11.7	11.0	11.0	11.1	10.5	11.2	11.2	12.3	12.0	11.7	12.0	11.6

HUARMACA - PRECIPITACION

PERIODO 1983-1980



PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.8	4.2	10.5	13.1	10.1	23.5	65.9	80.1	61.0	20.0	10.2	1.0	
2	2.4	6.3	19.4	13.3	18.9	32.6	48.2	68.5	48.8	18.2	8.0	3.0	
3	7.6	9.7	10.1	19.6	30.2	47.4	45.9	90.5	41.3	16.1	5.4	2.7	

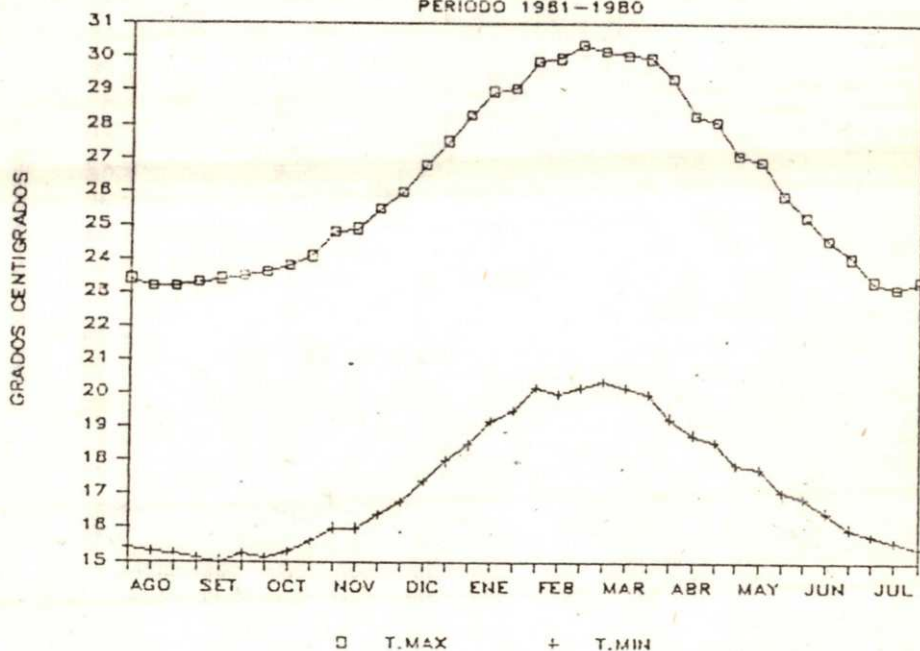
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 915.5 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE LAMBAYEQUE

NOMBRE	PROVINCIA	DISTRITO	LATITUD	LONGITUD	ALTITUD
		POLITICO	° S	° W	m
CHICLAYO	CHICLAYO	CHICLAYO	6:47	79:50	27
CAYALI	CHICLAYO	ZANA	6:53	79:33	60

CHICLAYO - TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

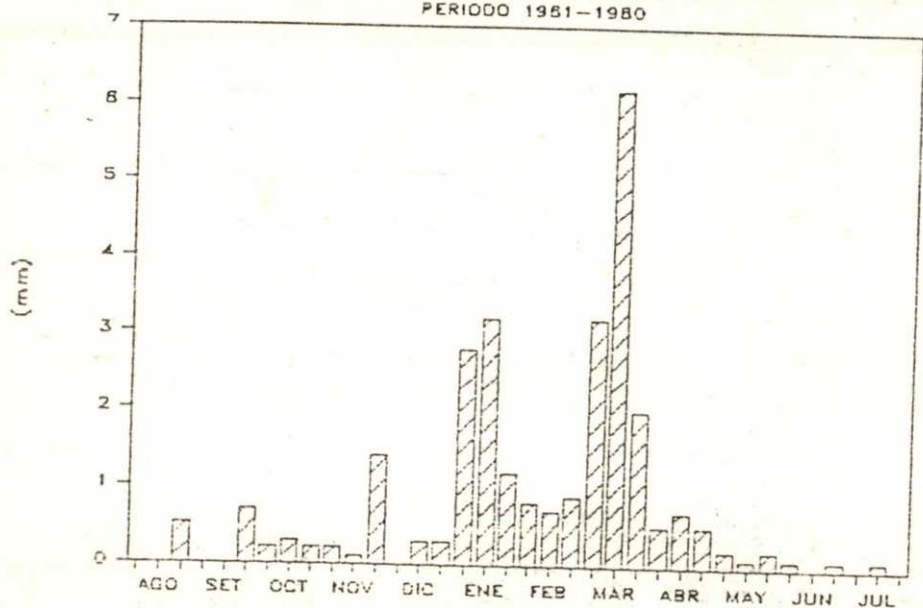
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	23.4	23.3	23.6	24.8	26.0	28.3	29.9	30.2	29.4	27.1	25.3	23.4
2	23.2	23.4	23.8	24.9	26.8	29.0	30.0	30.1	28.3	26.9	24.6	23.2
3	23.2	23.5	24.1	25.5	27.5	29.1	30.4	30.0	28.1	25.9	24.1	23.4

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.4	15.1	15.1	16.0	16.8	18.5	20.2	20.4	19.3	17.9	16.9	15.8
2	15.3	15.0	15.3	16.0	17.4	19.2	20.0	20.2	18.8	17.8	16.5	15.6
3	15.2	15.2	15.6	16.4	18.0	19.5	20.2	20.0	18.6	17.1	16.0	15.4

CHICLAYO - PRECIPITACION

PERIODO 1961-1980



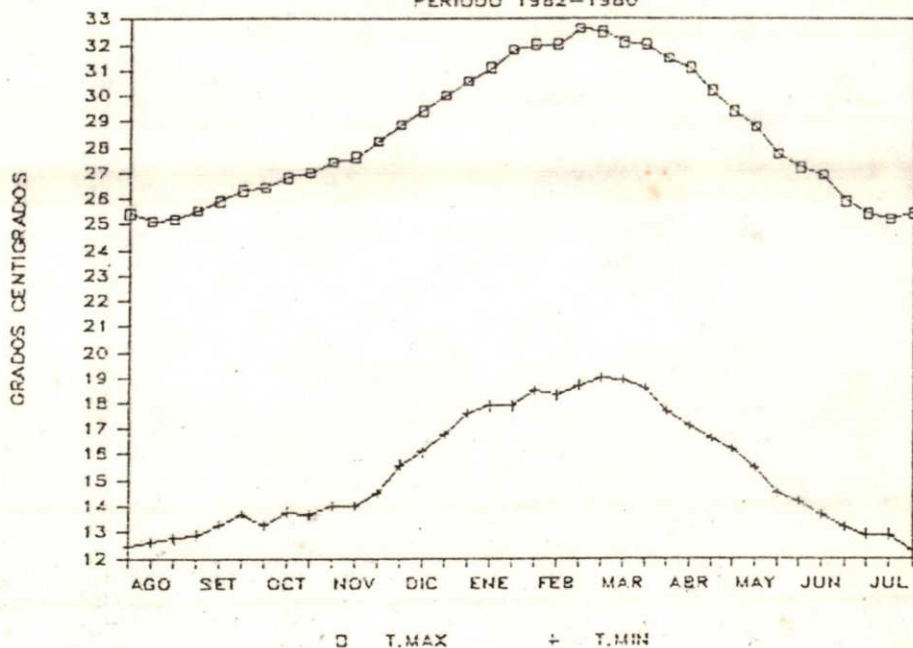
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.2	0.2	0.0	2.8	0.8	3.2	0.5	0.2	0.1	0.0
2	0.0	0.0	0.3	0.1	0.3	3.2	0.7	6.2	0.7	0.1	0.0	0.1
3	0.5	0.7	0.2	1.4	0.3	1.2	0.9	2.0	0.5	0.2	0.1	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 27.7 (mm)

CAYALTI - TEMP. EXTREMAS

PERIODO 1962-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

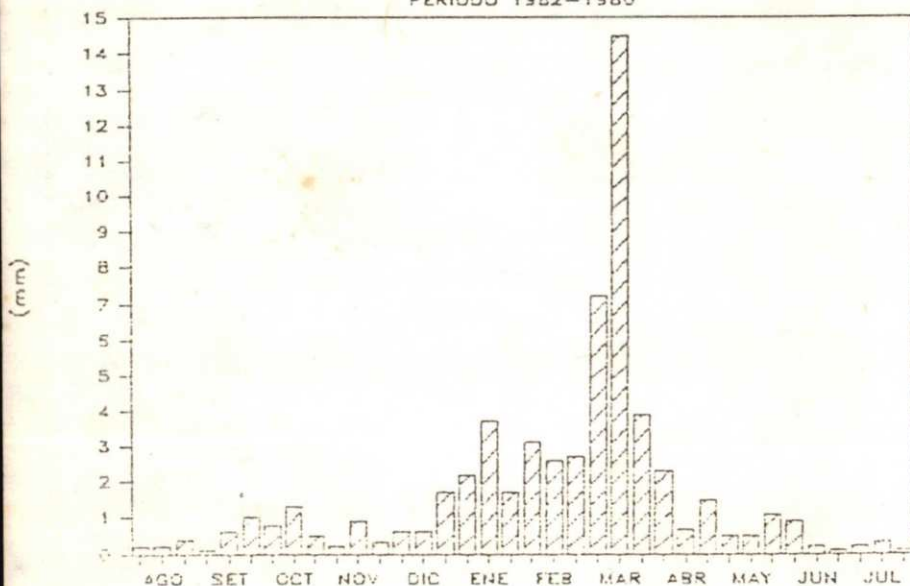
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	25.4	25.5	26.4	27.4	28.9	30.6	32.0	32.5	31.5	29.4	27.2	25.1
2	25.1	25.9	26.8	27.6	29.4	31.1	32.0	32.1	31.1	28.8	26.9	25.1
3	25.2	26.3	27.0	28.2	30.0	31.8	32.6	32.0	30.2	27.7	25.9	25.1

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	12.5	12.9	13.3	14.0	15.6	17.6	18.5	19.0	17.7	16.2	14.2	12.8
2	12.6	13.3	13.8	14.0	16.1	17.9	18.3	18.9	17.1	15.5	13.7	12.8
3	12.8	13.7	13.7	14.5	16.8	17.9	18.7	18.6	16.6	14.5	13.2	12.8

CAYALTI - PRECIPITACION

PERIODO 1962-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC A.	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	
1	0.2	0.1	0.8	0.2	0.6	2.2	3.1	7.2	2.3	0.5	0.9	0.2
2	0.2	0.6	1.3	0.9	0.6	3.7	2.6	14.5	0.7	0.5	0.2	0.5
3	0.4	1.0	0.5	0.3	1.7	1.7	2.7	3.9	1.5	1.1	0.1	0.1

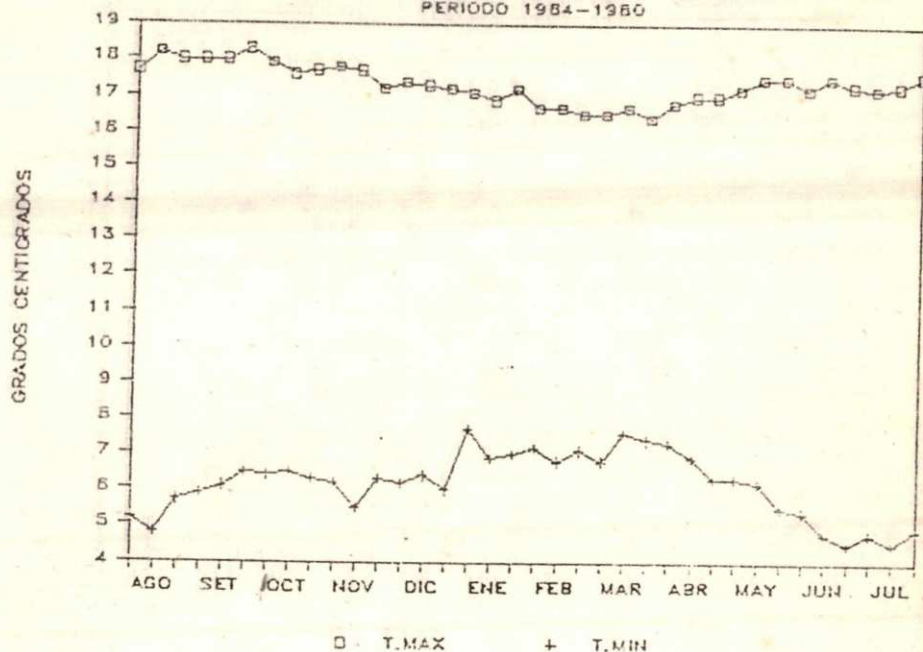
1 RECIPITACION NORMAL DE CAMPAÑA AGRICOLA 59.4 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE LA LIBERTAD

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD O ' S	LONGITUD O ' W	ALTITUD m
HUAMACHUCO	HUAMACHUCO	HUAMACHUCO	7:49	78:03	3220
OTUZCO	OTUZCO	OTUZCO	7:54	78:34	2620
TRUJILLO	TRUJILLO	TRUJILLO	8:05	79:06	33

HUAMACHUCO - TEMP. EXTREMAS

PERIODO 1954-1960



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

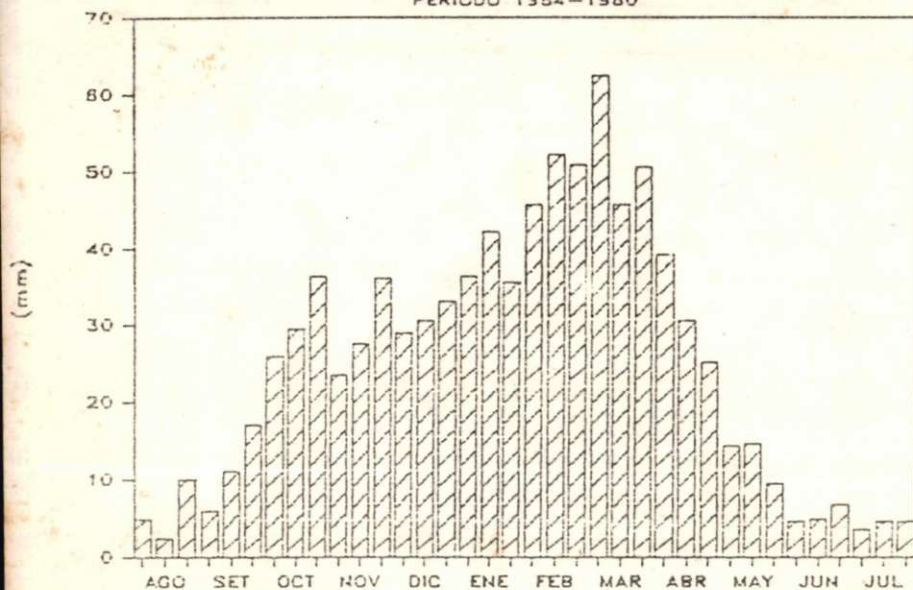
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	17.7	18.0	17.9	17.8	17.4	17.1	16.7	16.5	16.8	17.2	17.2	17.2
2	18.2	18.0	17.6	17.7	17.3	16.9	16.7	16.7	17.0	17.5	17.5	17.3
3	18.0	18.3	17.7	17.2	17.2	17.2	16.5	16.4	17.0	17.5	17.3	17.6

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	5.2	5.9	6.4	6.2	6.2	7.7	7.2	6.8	7.3	6.3	5.4	4.8
2	4.8	6.1	6.5	5.5	6.4	6.9	6.8	7.6	6.9	6.2	4.8	4.5
3	5.7	6.5	6.3	6.3	6.0	7.0	7.1	7.4	6.3	5.5	4.5	4.9

HUAMACHUCO - PRECIPITACION

PERIODO 1954-1980



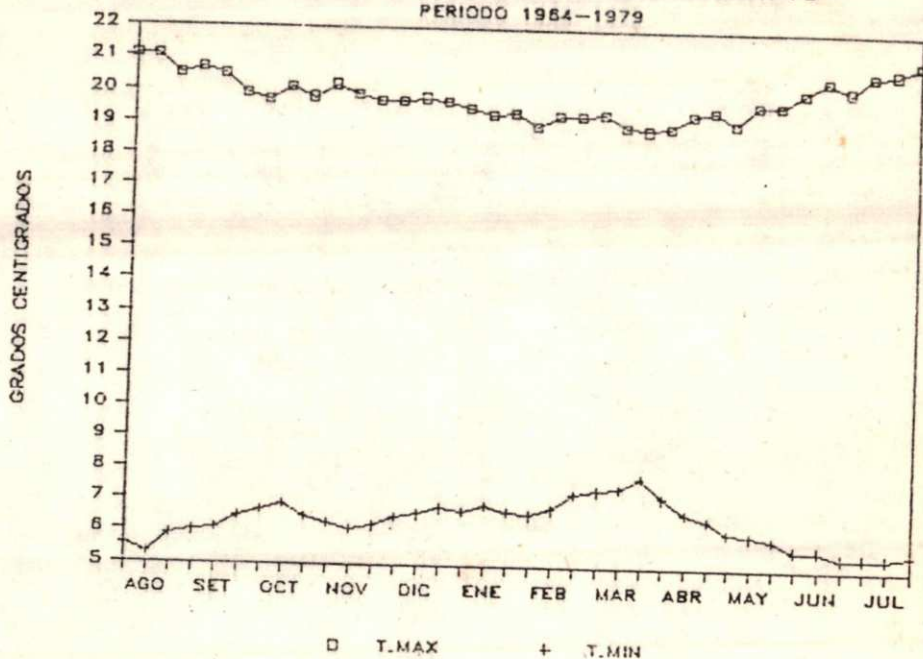
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.6	5.9	26.1	23.5	29.1	36.4	45.5	62.6	39.2	14.3	4.4	3.5
2	2.4	11.1	29.5	27.6	30.6	42.2	52.1	45.7	30.7	14.7	4.7	4.6
3	9.9	17.0	36.3	36.1	33.0	35.5	50.7	50.4	25.1	9.4	6.6	4.4

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 905.6 (mm)

OTUZCO - TEMP. EXTREMAS

PERIODO 1964-1979



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

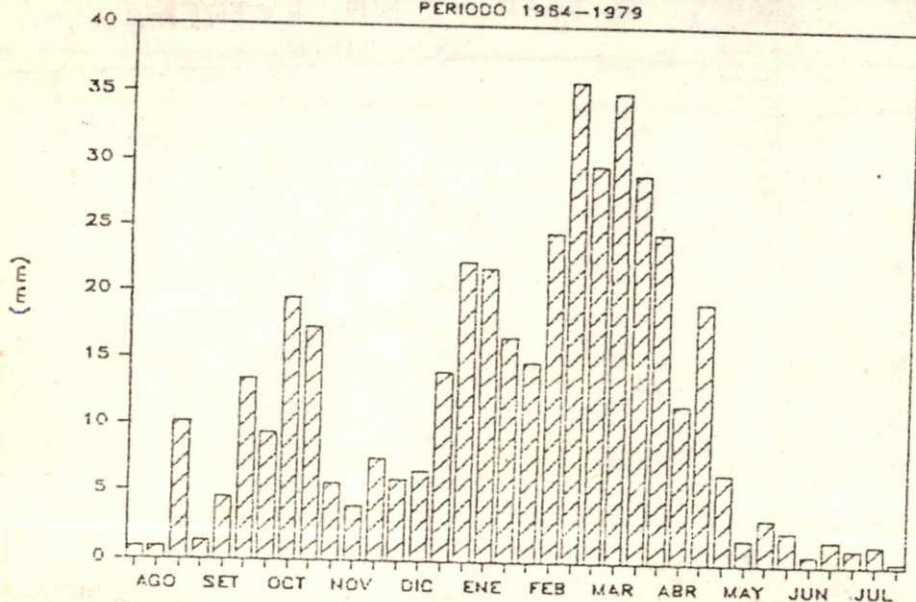
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.1	20.7	19.7	20.2	19.7	19.5	19.0	19.4	19.0	19.1	20.1	20.7
2	21.1	20.5	20.1	19.9	19.8	19.3	19.3	19.0	19.4	19.7	20.5	20.8
3	20.5	19.9	19.8	19.7	19.7	19.4	19.3	18.9	19.5	19.7	20.2	21.1

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	5.6	6.0	6.7	6.3	6.5	6.7	6.6	7.4	7.2	6.1	5.6	5.4
2	5.3	6.1	6.9	6.1	6.6	6.9	6.8	7.5	6.7	6.0	5.6	5.4
3	5.9	6.5	6.5	6.2	6.8	6.7	7.3	7.8	6.5	5.9	5.4	5.5

OTUZCO - PRECIPITACION

PERIODO 1954-1979

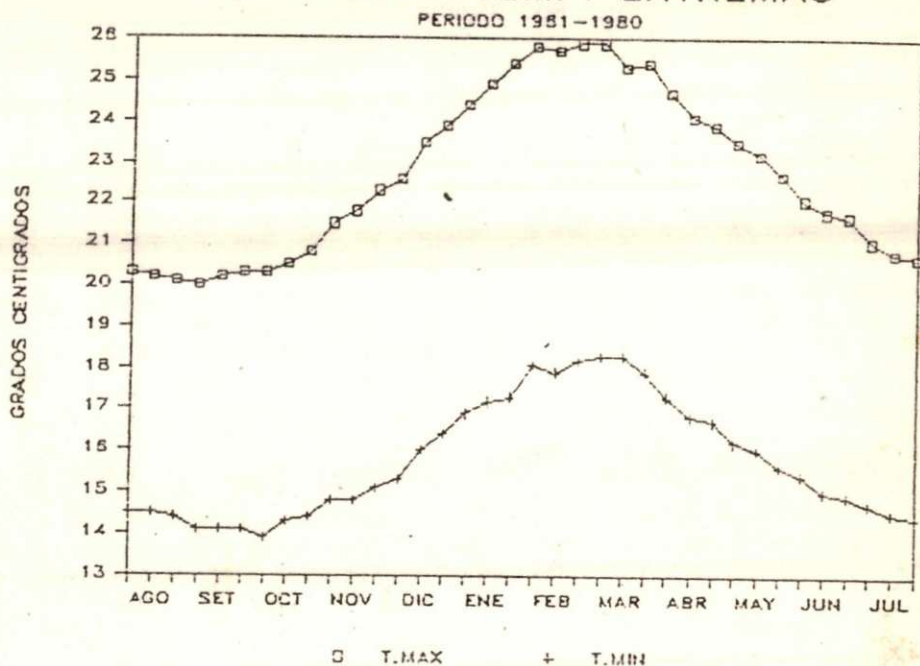


PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.8	1.4	9.5	5.7	6.0	22.4	14.9	29.8	24.7	6.6	2.5	1.2
2	0.9	4.6	19.6	3.9	6.7	21.8	24.6	35.2	11.8	1.8	0.7	1.5
3	10.2	13.4	17.4	7.6	14.1	16.7	36.0	29.2	19.3	3.4	1.8	0.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 428.0 (mm)

TRUJILLO -TEMP. EXTREMAS



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

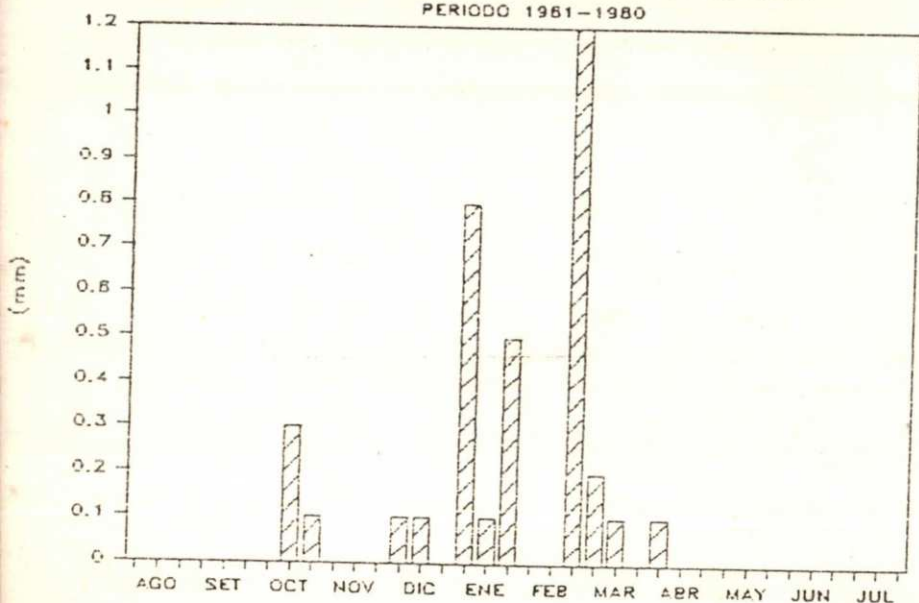
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.3	20.0	20.3	21.5	22.6	24.4	25.8	25.9	24.7	23.5	22.1	21.1
2	20.2	20.2	20.5	21.8	23.5	24.9	25.7	25.3	24.1	23.2	21.8	20.8
3	20.1	20.3	20.8	22.3	23.9	25.4	25.9	25.4	23.9	22.7	21.7	20.7

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	14.5	14.1	13.9	14.8	15.3	16.9	18.1	18.3	17.3	16.2	15.4	14.7
2	14.5	14.1	14.3	14.8	16.0	17.2	17.9	18.3	16.8	16.0	15.0	14.5
3	14.4	14.1	14.4	15.1	16.4	17.3	18.2	17.9	16.7	15.6	14.9	14.4

TRUJILLO - PRECIPITACION

PERIODO 1961-1980



PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.2	0.1	0.0	0.0	0.0
2	0.0	0.0	0.0	0.3	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.1	0.0	0.0	0.5	1.2	0.0	0.0	0.0	0.0	0.0

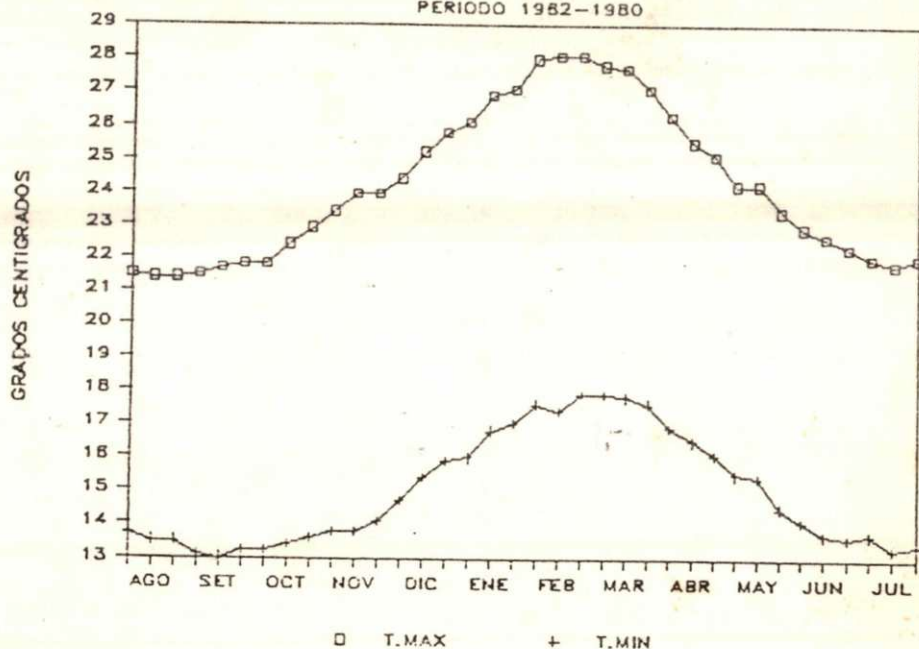
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 3.6 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE ANCASH

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD	LONGITUD	ALTITUD
			° S	° W	m
CHIMBOTE	SANTA	CHIMBOTE	9:08	78:31	11
ANTA	CARHUAZ	ANTA	9:21	77:36	2748
RECUAY	RECUAY	RECUAY	9:43	72:27	3394
CHIQUIAN	BOLOGNESI	CHIQUIAN	10:09	77:09	3550

CHIMBOTE - TEMP. EXTREMAS

PERIODO 1982-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

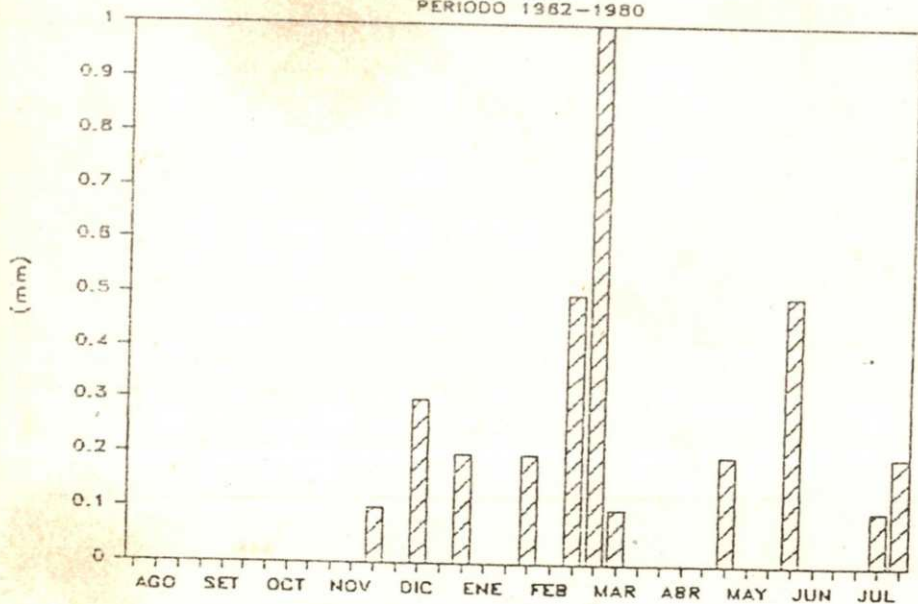
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.5	21.5	21.8	23.4	24.4	26.1	28.0	27.8	26.3	24.2	22.9	22.0
2	21.4	21.7	22.4	23.9	25.2	26.9	28.1	27.7	25.5	24.2	22.6	21.8
3	21.4	21.8	22.9	23.9	25.8	27.1	28.1	27.1	25.1	23.4	22.3	22.0

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.7	13.1	13.2	13.8	14.7	16.0	17.6	17.9	16.9	15.5	14.1	13.7
2	13.5	13.0	13.4	13.8	15.4	16.8	17.4	17.8	16.5	15.4	13.7	13.3
3	13.5	13.2	13.6	14.1	15.9	17.0	17.9	17.6	16.1	14.5	13.6	13.4

CHIMBOTE - PRECIPITACION

PERIODO 1962-1980



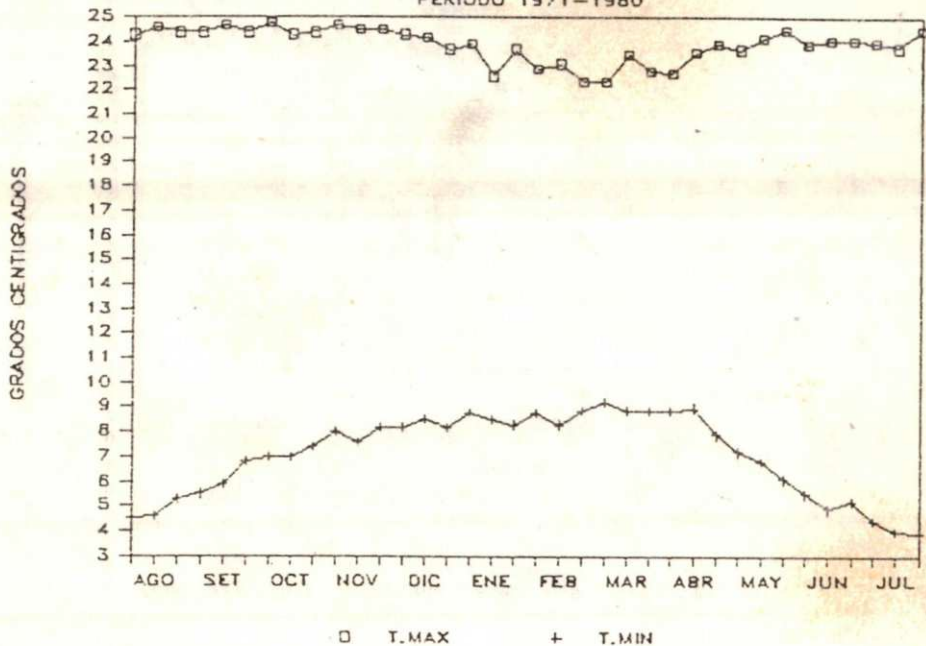
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.0	0.0	0.2	0.5	0.0
2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.1
3	0.0	0.0	0.0	0.1	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.2

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 3.4 (mm)

ANTA(Huaraz) -TEMP. EXTREMAS

PERIODO 1971-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

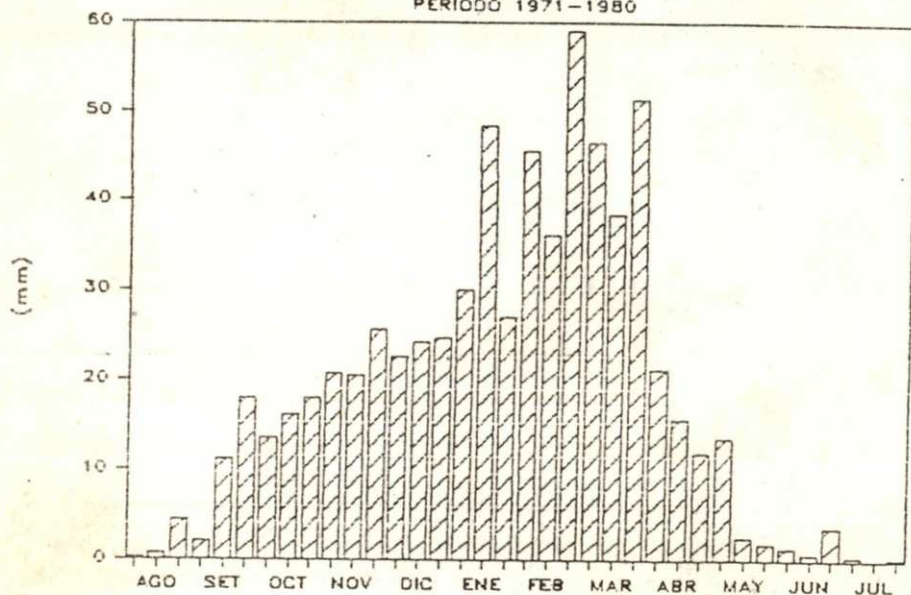
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	24.3	24.4	24.8	24.7	24.3	23.9	22.9	22.4	22.7	23.7	23.9	24.0
2	24.6	24.7	24.3	24.5	24.2	22.6	23.1	23.5	23.6	24.2	24.1	23.8
3	24.4	24.4	24.4	24.5	23.7	23.7	22.4	22.8	23.9	24.75	24.1	24.5

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.5	5.5	7.0	8.0	8.2	8.8	8.8	9.2	8.9	7.2	5.5	4.4
2	4.6	5.9	7.0	7.6	8.5	8.5	8.3	8.9	9.0	6.8	4.9	4.0
3	5.3	6.8	7.4	8.2	8.2	8.3	8.9	8.9	7.9	6.1	5.2	3.9

ANTA(Huaraz) - PRECIPITACION

PERIODO 1971-1980



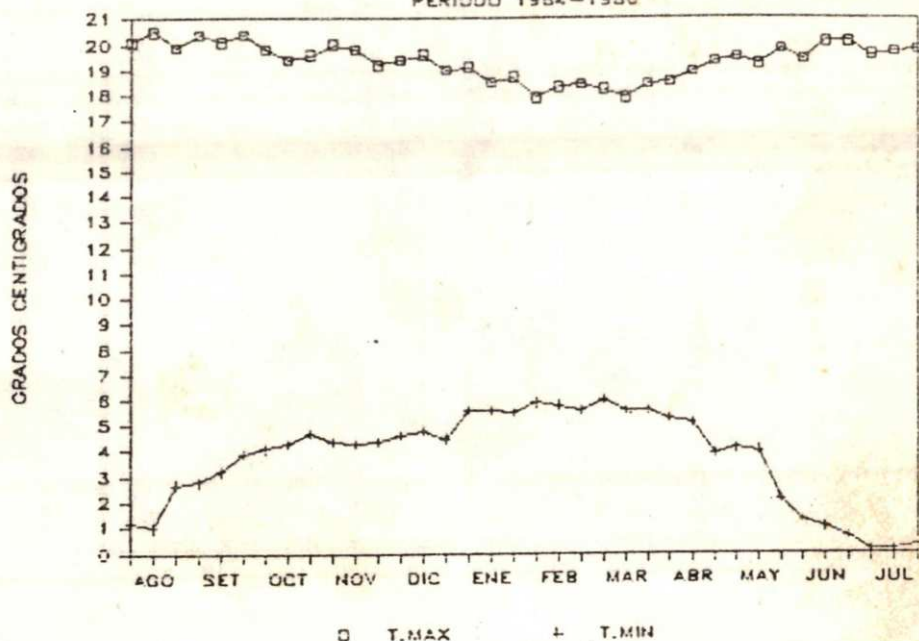
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.1	2.1	13.5	20.6	22.5	30.1	45.7	46.5	21.2	13.5	1.3	0.4
2	0.6	11.2	16.1	20.4	24.2	48.5	36.0	38.3	15.5	2.4	0.7	0.0
3	4.4	17.8	17.8	25.5	24.6	26.9	59.1	51.4	11.9	1.8	3.6	0.2

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 676.4 (mm)

RECUAY - TEMP. EXTREMAS

PERIODO 1984-1990



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

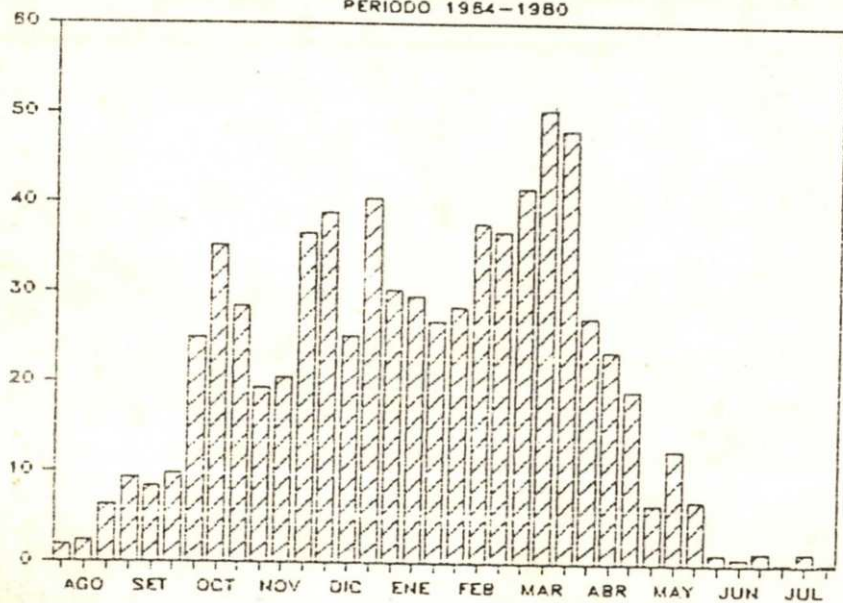
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.1	20.4	19.8	20.0	19.4	19.1	17.9	18.2	18.5	19.5	19.4	19.6
2	20.5	20.1	19.4	19.8	19.6	18.5	18.3	17.9	18.9	19.2	20.1	19.7
3	19.9	20.4	19.6	19.2	19.0	18.7	18.4	18.4	19.3	19.8	20.1	19.8

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.2	2.8	4.1	4.4	4.6	5.6	5.9	6.0	5.3	4.1	1.3	0.1
2	1.0	3.2	4.3	4.3	4.8	5.6	5.8	5.6	5.1	4.0	1.0	0.1
3	2.7	3.9	4.7	4.4	4.5	5.5	5.6	5.6	3.9	2.1	0.6	0.3

RECUAY - PRECIPITACION

PERIODO 1964-1980



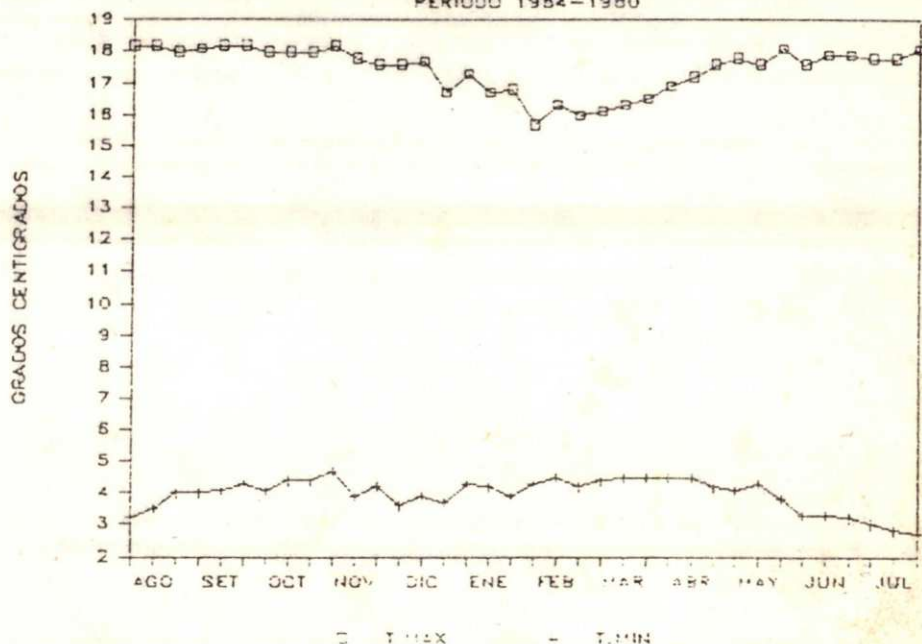
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.9	9.2	24.8	19.3	38.8	30.3	28.5	41.7	27.3	6.4	1.0	0.1
2	2.2	8.4	35.2	20.5	25.2	29.6	37.8	50.6	23.4	12.5	0.6	1.4
3	6.3	9.7	28.4	36.5	40.6	26.8	36.7	48.2	19.0	7.0	1.2	0.2

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 737.3 (mm)

CHIQUIAN - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

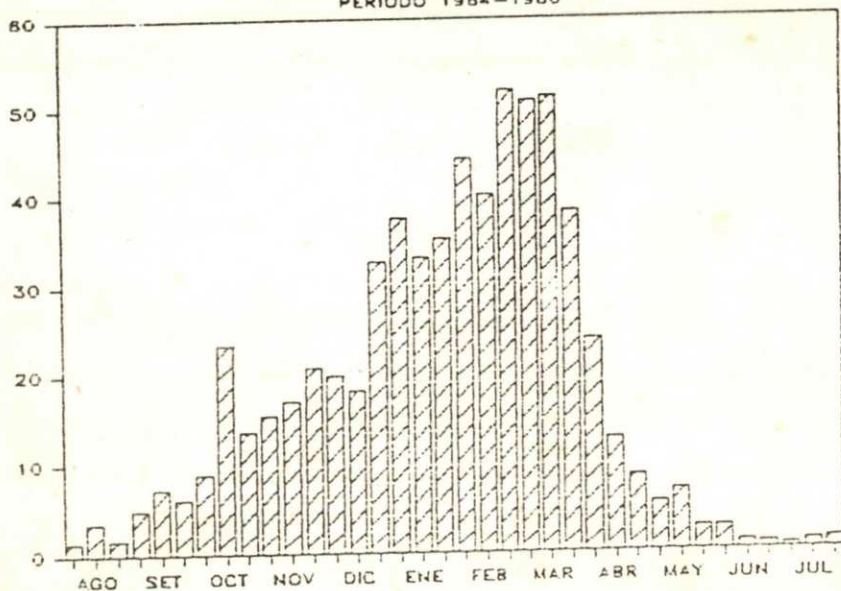
	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.2	18.1	18.0	18.0	18.2	17.6	17.3	15.7	16.1	16.9	17.8	17.6	17.8
2	18.2	18.2	18.0	18.0	17.8	17.7	16.7	16.3	16.3	17.2	17.6	17.9	17.8
3	18.0	18.2	18.0	18.0	17.6	16.7	16.8	16.0	16.5	17.6	18.1	17.9	18.1

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.2	4.0	4.1	4.1	4.7	3.6	4.3	4.3	4.4	4.5	4.1	3.3	3.0
2	3.5	4.1	4.4	4.4	3.9	3.9	4.2	4.5	4.5	4.5	4.3	3.3	2.8
3	4.0	4.3	4.3	4.4	4.2	3.7	3.9	4.2	4.5	4.2	3.8	3.2	2.7

CHIQUIAN - PRECIPITACION

PERIODO 1964-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.2	4.9	8.7	15.2	19.8	37.4	44.3	50.8	23.7	5.3	2.4	0.4
2	3.4	7.2	23.2	17.0	18.0	33.0	40.1	51.2	12.4	6.7	0.9	0.8
3	1.5	6.0	13.4	20.7	32.6	35.1	51.8	38.2	8.4	2.5	0.5	1.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 639.7 (mm)

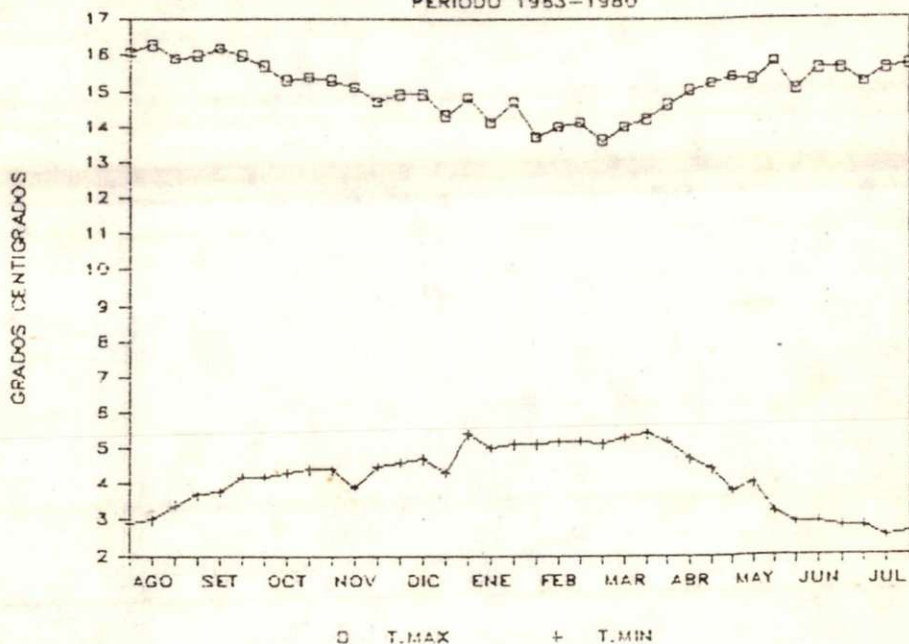
ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE LIMA

NOMBRE	PROVINCIA	DISTRITO POLITICO	LÁTITUD ° ' S	LONGITUD ° ' W	ALTITUD m
OYON	CAJATAMBO	OYON	10:40	76:46	3631
PARAMONGA	CHANCAY	PATIVILCA	10:40	77:47	60
DONOSO	HUARAL	CHANCAY	11:28	77:14	180
A. J. CHAVEZ	CALLAO	CALLAO	12:00	77:07	13
CAETE	CAETE	NUEVO IMPERIAL	13:04	76:20	150



OYON - TEMP. EXTREMAS

PERIODO 1963-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

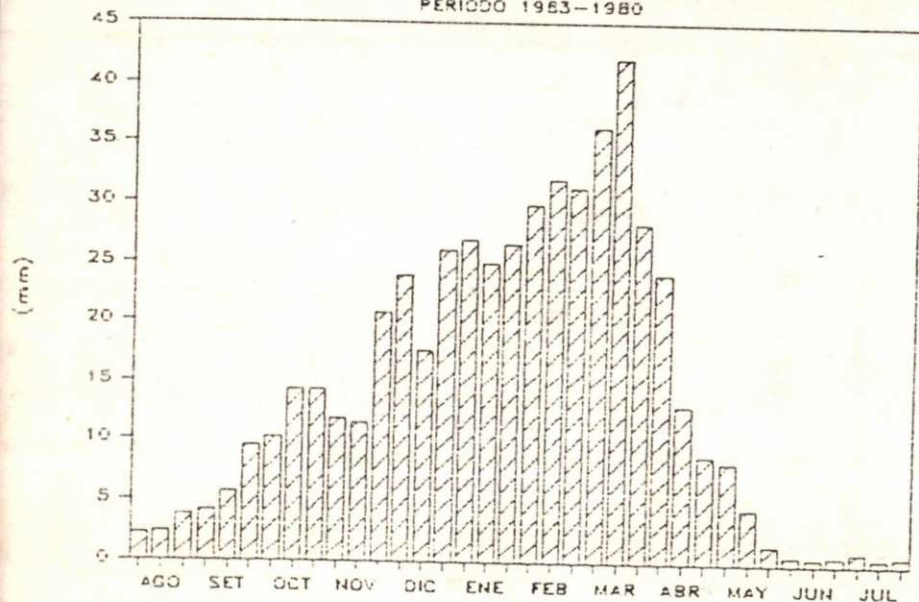
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	16.1	16.0	15.7	15.3	14.9	14.8	13.7	13.6	14.6	15.4	15.0	15.2
2	16.3	16.2	15.3	15.1	14.9	14.1	14.0	14.0	15.0	15.3	15.6	15.6
3	15.9	16.0	15.4	14.7	14.3	14.7	14.1	14.2	15.2	15.8	15.6	15.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.9	3.7	4.2	4.4	4.6	5.4	5.1	5.1	5.2	3.8	2.9	2.8
2	3.0	3.8	4.3	3.9	4.7	5.0	5.2	5.3	4.7	4.0	2.9	2.5
3	3.4	4.2	4.4	4.5	4.3	5.1	5.2	5.4	4.4	3.2	2.8	2.6

OYON - PRECIPITACION

PERIODO 1953-1980

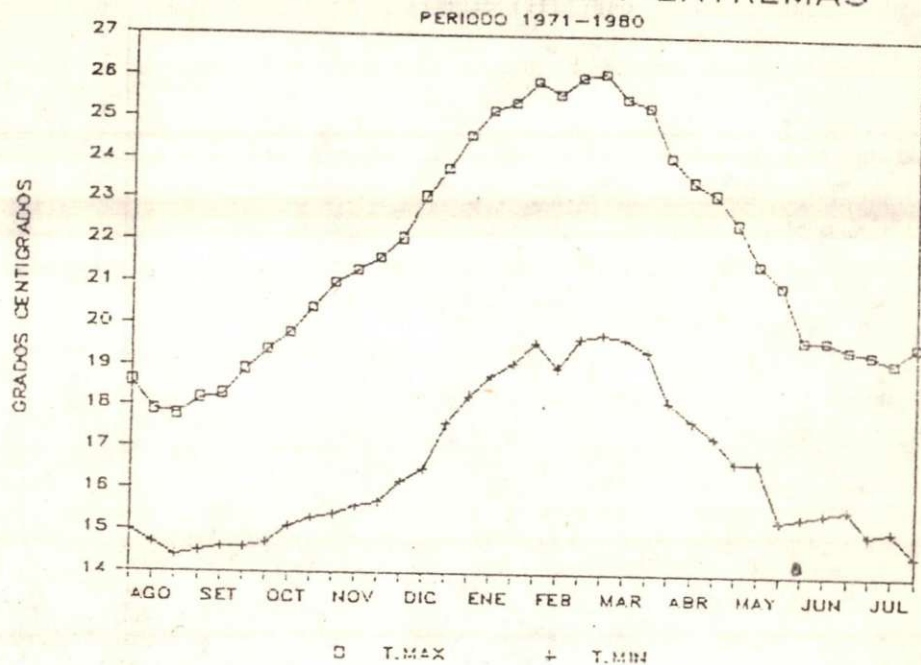


PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MA.	ABR	MAY	JUN	JUL
1	2.2	4.2	10.2	11.9	23.9	26.8	29.8	36.3	24.0	8.3	0.6	1.0
2	2.4	5.7	14.2	11.5	17.6	24.9	31.9	42.1	13.0	4.5	0.4	0.5
3	3.8	9.6	14.3	20.8	26.0	26.6	31.3	28.2	8.9	1.6	0.6	0.7

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 520.3 (mm)

PARAMONGA - TEMP. EXTREMAS



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

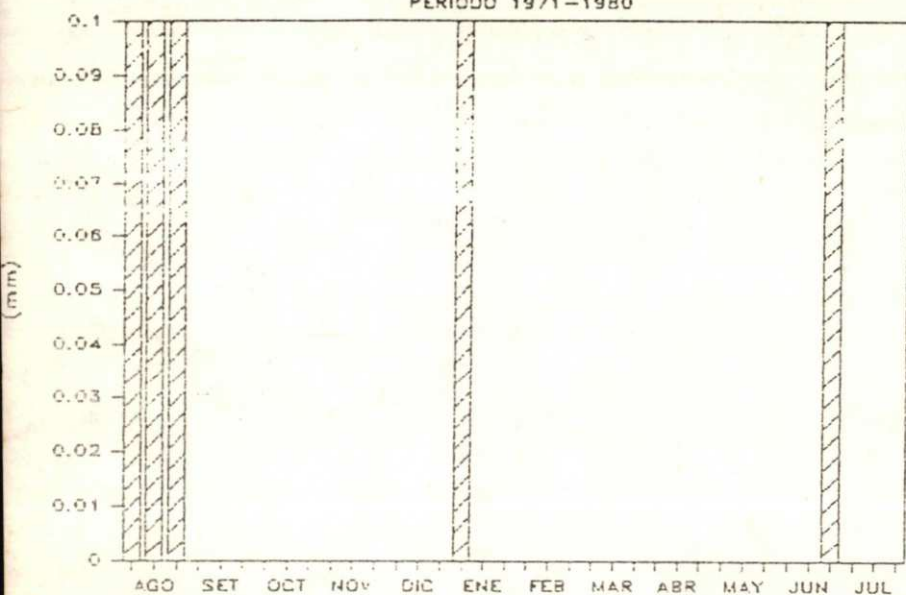
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.6	18.2	19.4	21.0	22.1	24.6	25.9	26.1	24.1	22.5	19.7	19.4
2	17.9	18.3	19.8	21.3	23.1	25.2	25.6	25.5	23.5	21.5	19.7	19.2
3	17.8	18.9	20.4	21.6	23.8	25.4	26.0	25.3	23.2	21.0	19.5	19.6

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.0	14.5	14.7	15.4	16.2	18.3	19.6	19.8	18.2	16.7	15.4	15.0
2	14.7	14.6	15.1	15.6	16.5	18.8	19.0	19.7	17.7	16.7	15.5	15.1
3	14.4	14.6	15.3	15.7	17.6	19.1	19.7	19.4	17.3	15.3	15.6	14.5

PARAMONGA - PRECIPITACION

PERIODO 1971-1980



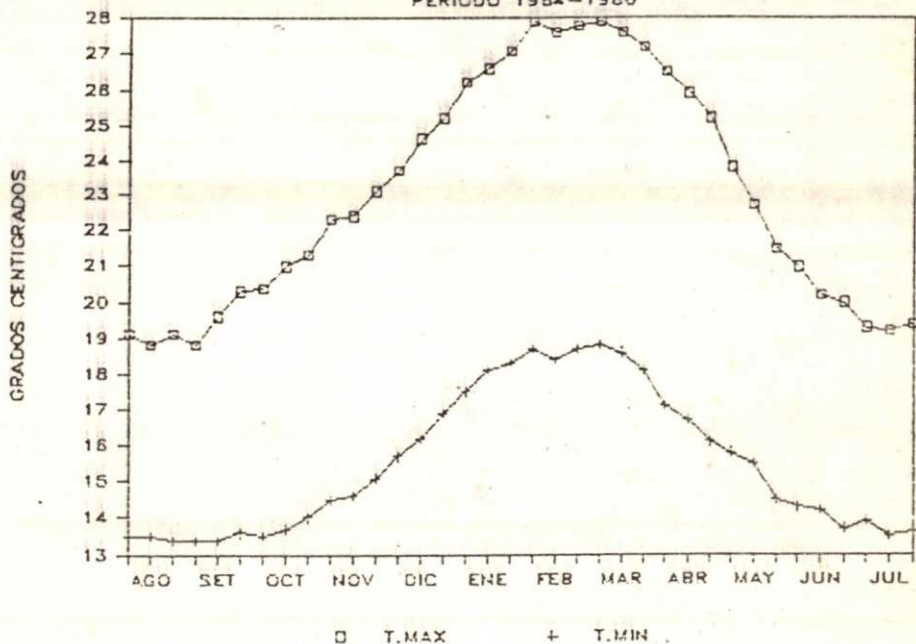
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

PRECIPITACION NORMAL DE CAMPANA AGRICOLA 0.5 (mm)

DONOSO - TEMP. EXTREMAS

PERIODO 1984-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

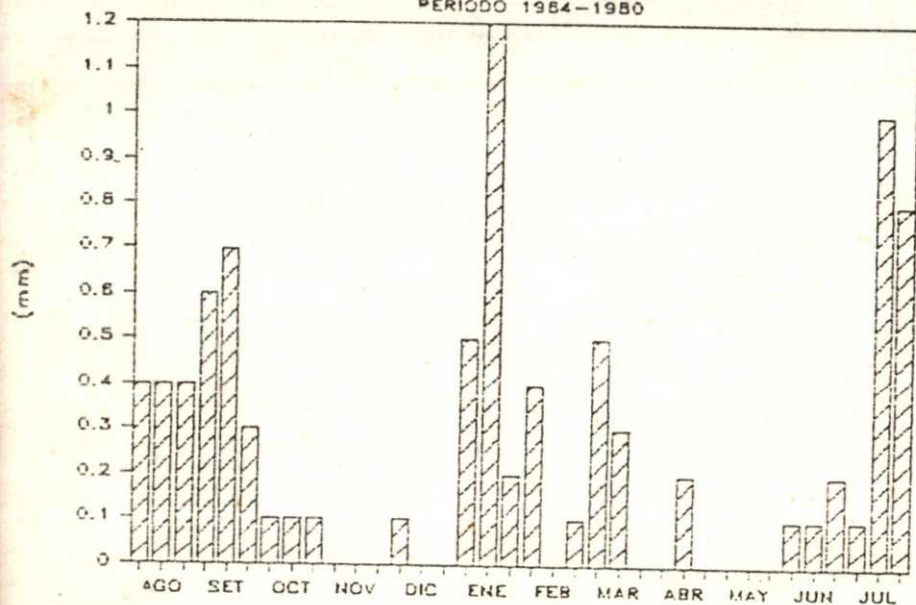
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.1	18.8	20.4	22.3	23.7	26.2	27.9	27.9	26.5	23.8	21.0	19.3
2	18.8	19.6	21.0	22.4	24.6	26.6	27.6	27.6	25.9	22.7	20.2	19.2
3	19.1	20.3	21.3	23.1	25.2	27.1	27.8	27.2	25.2	21.5	20.0	19.4

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.5	13.4	13.5	14.5	15.7	17.5	18.7	18.8	17.1	15.8	14.3	13.9
2	13.5	13.4	13.7	14.6	16.2	18.1	18.4	18.6	16.7	15.5	14.2	13.5
3	13.4	13.6	14.0	15.1	16.9	18.3	18.7	18.1	16.1	14.5	13.7	13.6

DONOSO - PRECIPITACION

PERIODO 1984-1980



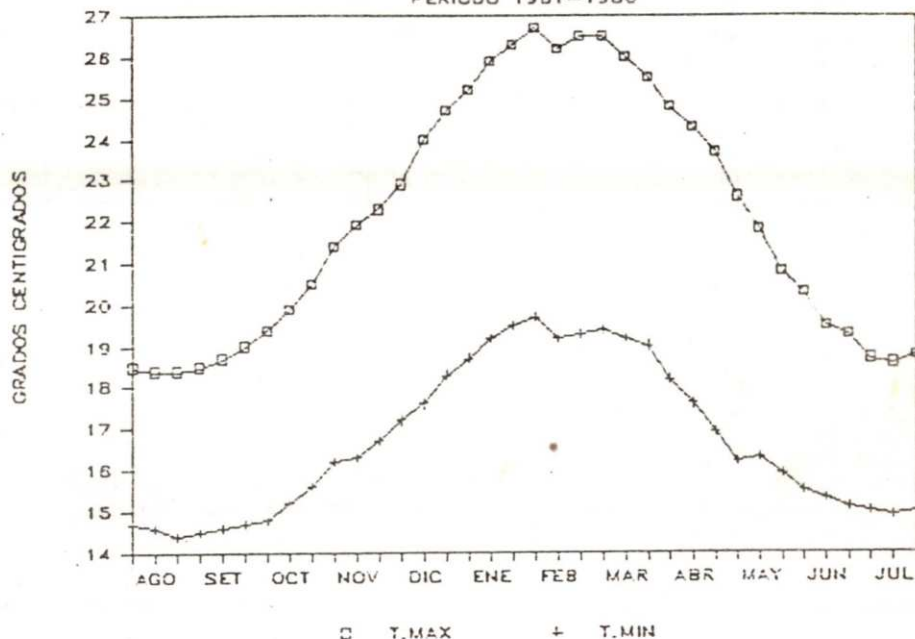
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.4	0.6	0.1	0.0	0.1	0.5	0.4	0.5	0.0	0.0	0.1	0.1
2	0.4	0.7	0.1	0.0	0.0	1.2	0.0	0.3	0.2	0.0	0.1	1.0
3	0.4	0.3	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.2	0.8

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 8.9 (mm)

LIMA-CALLAO -TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

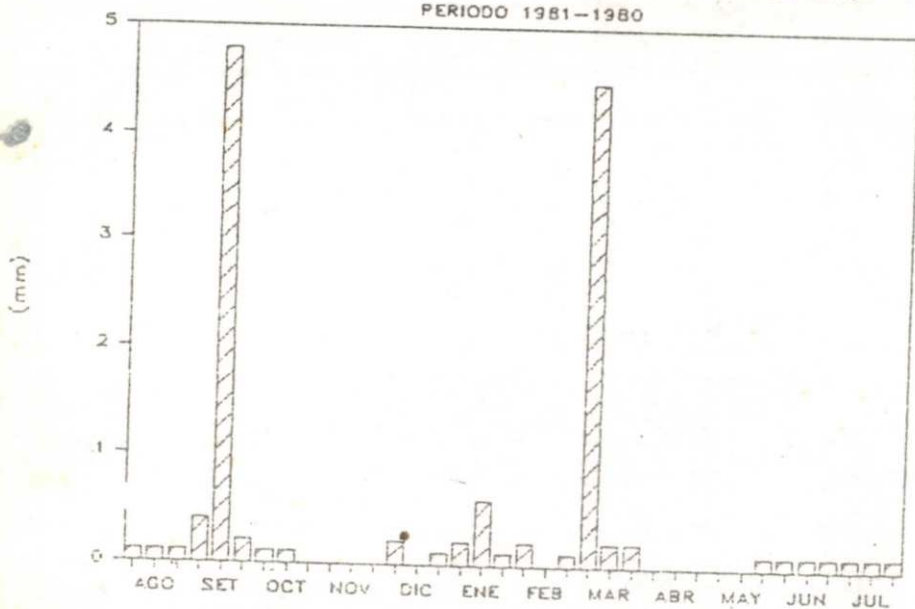
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.5	18.5	19.4	21.4	22.9	25.2	26.7	26.5	24.8	22.6	20.3	18.7
2	18.4	18.7	19.9	21.9	24.0	25.9	26.2	26.0	24.3	21.8	19.5	18.6
3	18.4	19.0	20.5	22.3	24.7	26.3	26.5	25.5	23.7	20.8	19.3	18.8

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	14.7	14.5	14.8	16.2	17.2	18.7	19.7	19.4	18.2	16.2	15.5	15.0
2	14.6	14.6	15.2	16.3	17.6	19.2	19.2	19.2	17.6	16.3	15.3	14.9
3	14.4	14.7	15.6	16.7	18.3	19.5	19.3	19.0	16.9	15.9	15.1	15.0

LIMA-CALLAO - PRECIPITACION

PERIODO 1981-1980



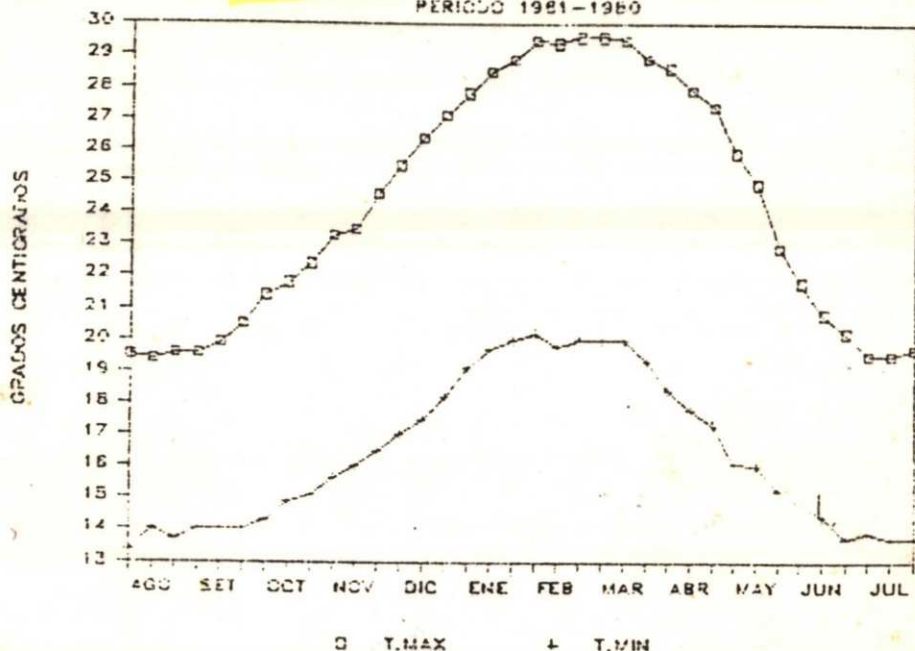
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.1	0.1	0.4	0.1	0.0	0.2	0.2	0.2	4.5	0.0	0.0	0.1	0.1
2	0.1	0.1	4.8	0.1	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.1	0.1
3	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 13.0 (mm)

CANETE - TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

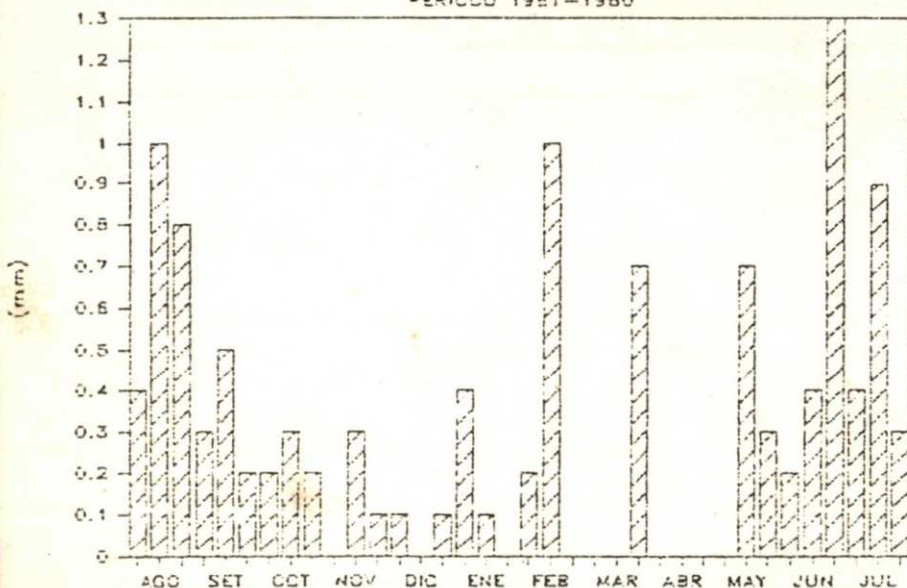
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.5	19.6	21.4	23.3	25.5	27.8	29.5	29.6	28.6	25.9	21.8	19.5
2	19.4	19.9	21.8	23.5	26.4	28.5	29.4	29.5	27.5	24.9	20.8	19.5
3	19.6	20.5	22.4	24.6	27.1	28.9	29.6	28.9	27.4	22.9	20.2	19.7

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.4	14.0	14.3	15.6	17.0	19.1	20.2	20.0	18.4	16.1	14.8	13.9
2	14.0	14.0	14.9	16.0	17.5	19.7	19.8	20.0	17.8	16.0	14.4	13.7
3	13.7	14.0	15.1	16.5	18.2	20.0	20.0	19.3	17.3	15.2	13.7	13.7

CANETE - PRECIPITACION

PERIODO 1961-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.4	0.3	0.2	0.0	0.1	0.4	0.2	0.0	0.0	0.0	0.2	0.4
2	1.0	0.5	0.3	0.3	0.0	0.1	1.0	0.0	0.0	0.7	0.4	0.9
3	0.8	0.2	0.2	0.1	0.1	0.0	0.0	0.7	0.0	0.3	1.3	0.3

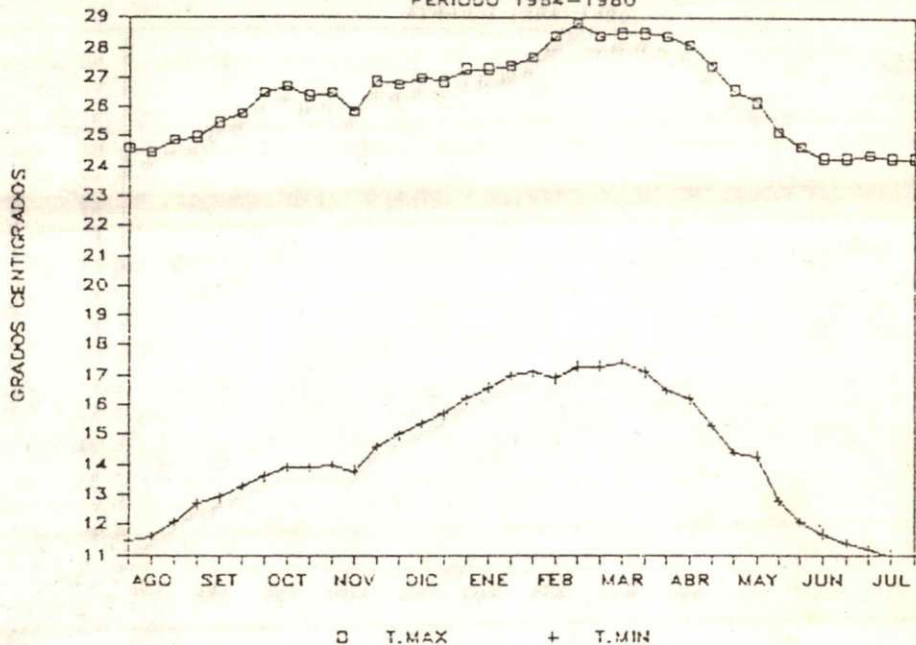
PRECIPITACION NORMAL DE CAMPANA AGRICOLA 11.4 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE ICA

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD O ' S	LONGITUD O ' W	ALTITUD m
HUANCANO	PISCO	HUANCANO	13:36	75:37	1027
PISCO	PISCO	SAN ANDRES	13:44	76:13	6
SAN CAMILO	ICA	MARCONA	14:05	75:43	398
OCUCAJE	ICA	SANTIAGO	14:21	75:40	300
SAN JUAN	NAZCA	MARCONA	15:20	75:08	30

HUANCANO - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

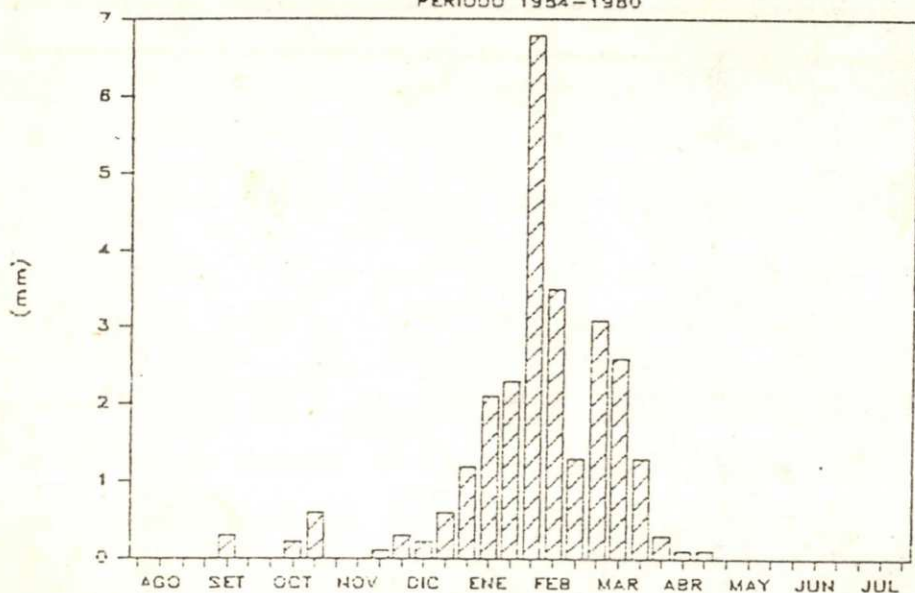
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	24.6	25.0	26.5	26.5	26.8	27.3	27.7	28.4	28.4	26.6	24.7	24.4
2	24.5	25.5	26.7	25.9	27.0	27.3	28.4	28.5	28.1	26.2	24.3	24.3
3	24.9	25.8	26.4	26.9	26.9	27.4	28.8	28.5	27.4	25.2	24.3	24.3

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	11.5	12.7	13.6	14.0	15.0	16.2	17.1	17.3	16.5	14.4	12.1	11.2
2	11.6	12.9	13.9	13.8	15.4	16.6	16.9	17.4	16.2	14.3	11.7	11.0
3	12.1	13.3	13.9	14.6	15.7	17.0	17.3	17.1	15.3	12.8	11.4	11.0

HUANCANO - PRECIPITACION

PERIODO 1954-1980

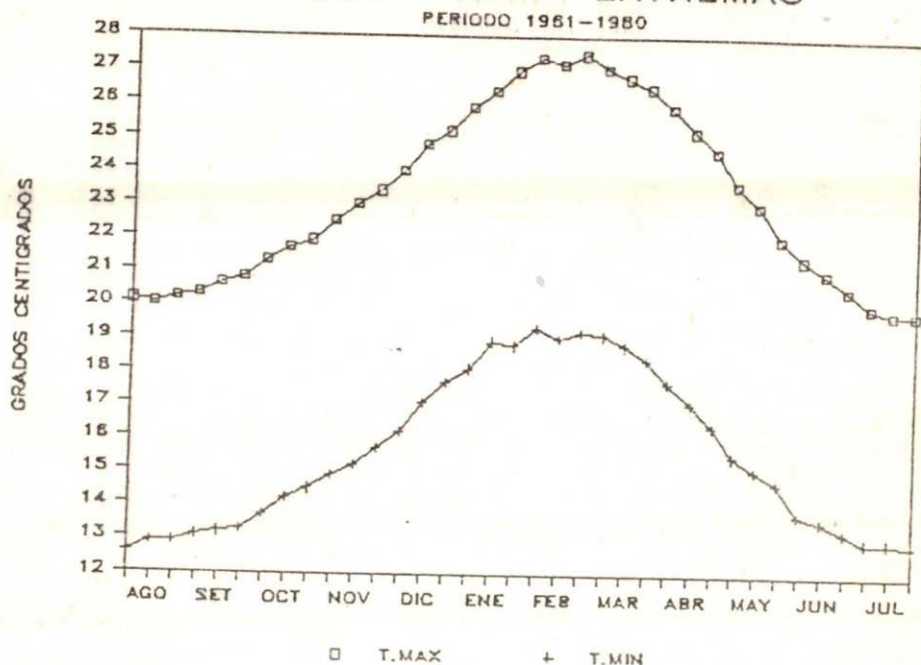


PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.3	1.2	6.8	3.1	0.3	0.0	0.0	0.0
2	0.0	0.3	0.2	0.0	0.2	2.1	3.5	2.6	0.1	0.0	0.0	0.0
3	0.0	0.0	0.6	0.1	0.6	2.3	1.3	1.3	0.1	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 27.0 (mm)

PISCO - TEMP. EXTREMAS



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

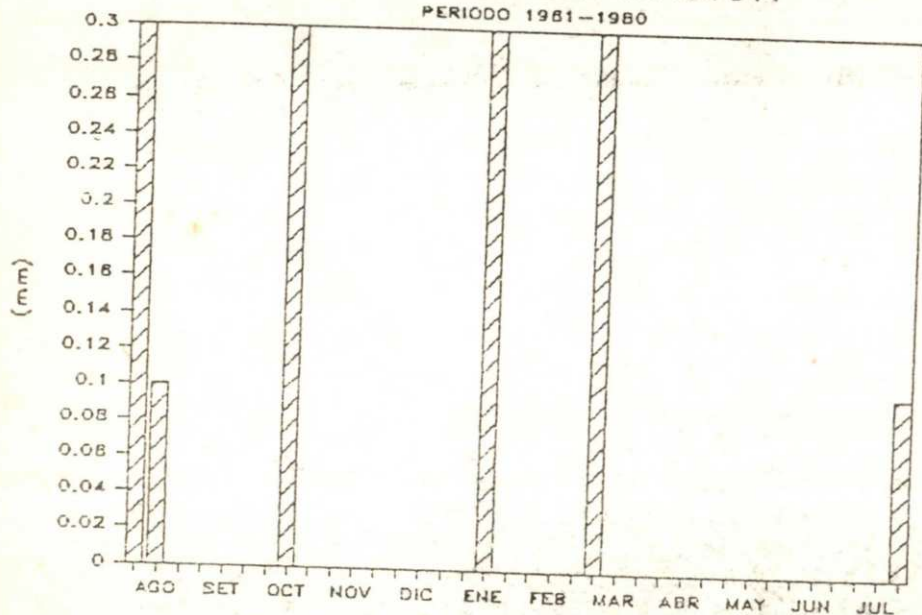
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.1	20.3	21.3	22.5	24.0	25.9	27.4	27.1	25.9	23.6	21.4	20.0
2	20.0	20.6	21.7	23.0	24.8	26.4	27.2	26.8	25.2	23.0	21.0	19.8
3	20.2	20.8	21.9	23.4	25.2	27.0	27.5	26.5	24.6	22.0	20.5	19.8

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	12.6	13.1	13.7	14.9	16.2	18.1	19.3	19.1	17.7	15.5	13.8	13.0
2	12.9	13.2	14.2	15.2	17.1	18.9	19.0	18.8	17.1	15.1	13.6	13.0
3	12.9	13.3	14.5	15.7	17.7	18.8	19.2	18.4	16.4	14.7	13.3	12.9

PISCO - PRECIPITACION

PERIODO 1981-1980



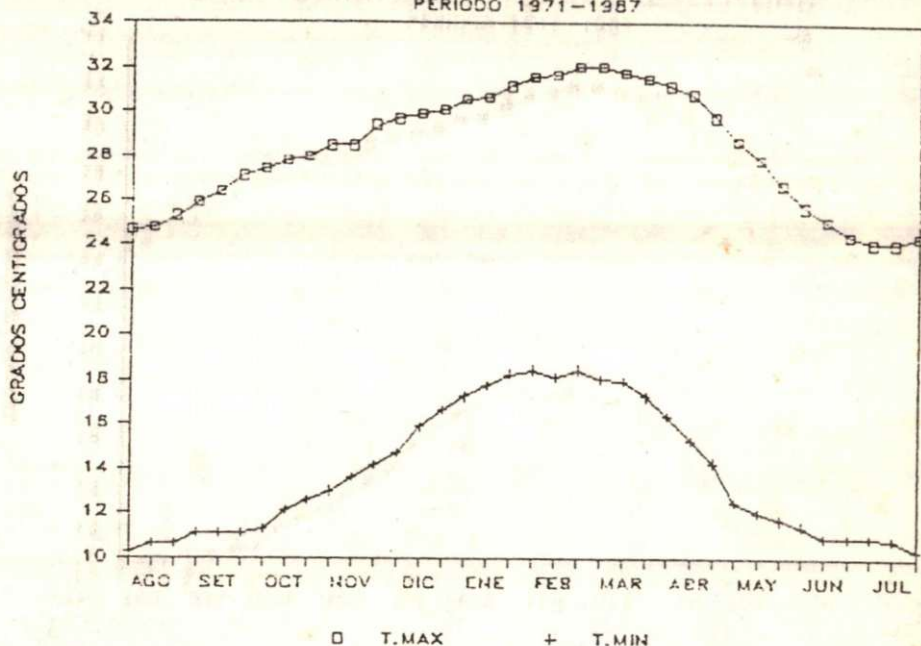
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
2	0.1	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 1.4 (mm)

SAN CAMILO - TEMP. EXTREMAS

PERIODO 1971-1987



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

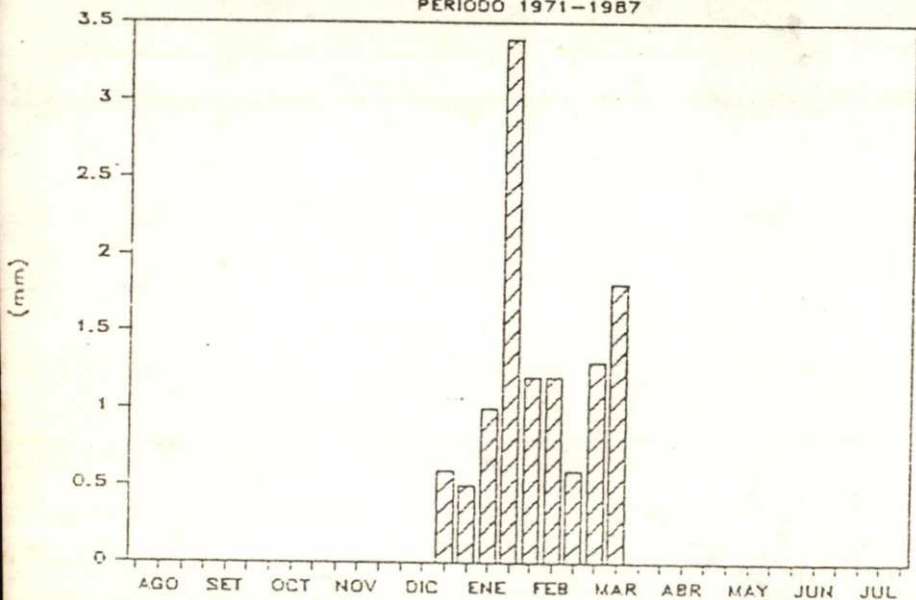
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	24.7	25.9	27.4	28.5	29.7	30.6	31.6	32.1	31.2	28.7	25.7	24.1
2	24.8	26.4	27.8	28.5	29.9	30.7	31.7	31.8	30.8	27.9	25.1	24.1
3	25.3	27.1	28.0	29.4	30.1	31.2	32.1	31.5	29.8	26.7	24.4	24.4

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	10.2	11.1	11.3	13.0	14.7	17.3	18.5	18.1	16.4	12.5	11.4	10.9
2	10.6	11.1	12.1	13.6	15.9	17.8	18.2	18.0	15.3	12.0	10.9	10.8
3	10.6	11.1	12.6	14.2	16.7	18.3	18.5	17.3	14.3	11.7	10.9	10.3

SAN CAMILO - PRECIPITACION

PERIODO 1971-1987



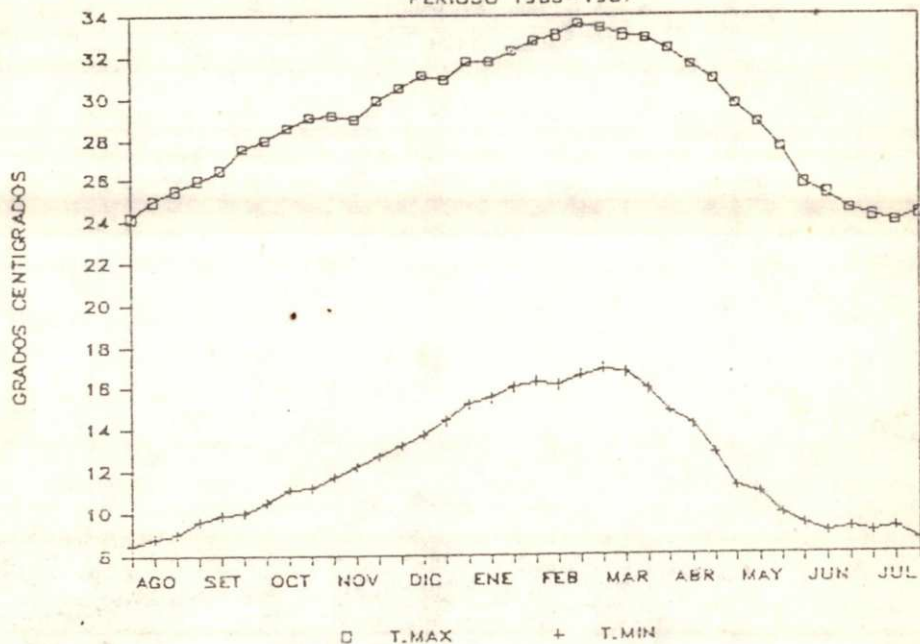
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.3	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	1.0	1.2	1.8	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.6	3.4	0.6	0.0	0.0	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 11.6 (mm)

OCUCAJE - TEMP. EXTREMAS

PERIODO 1966-1987



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

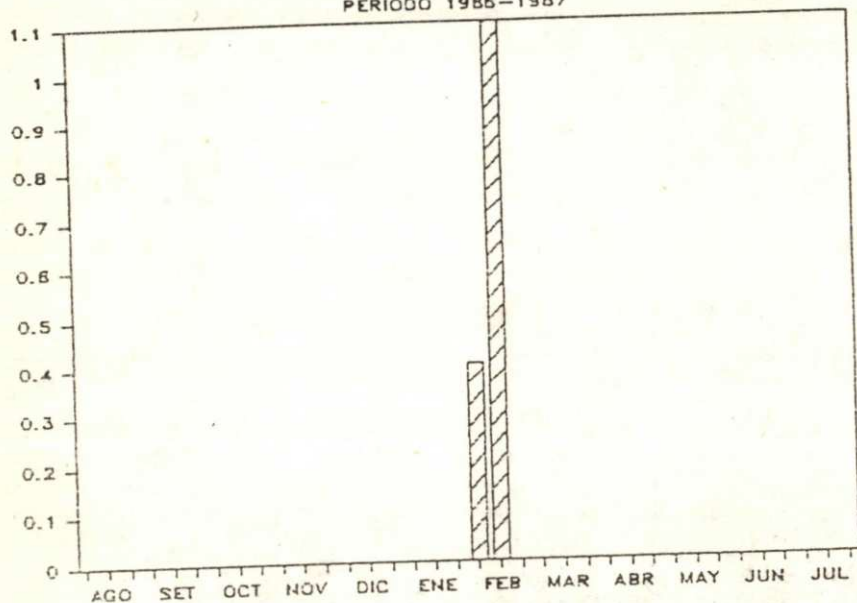
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	24.2	26.0	28.0	29.2	30.5	31.8	32.8	33.4	32.4	29.7	25.8	24.2
2	25.0	26.5	28.6	29.0	31.1	31.8	33.1	33.1	31.6	28.8	25.3	23.9
3	25.5	27.6	29.1	29.9	30.9	32.3	33.6	32.9	30.9	27.6	24.5	24.3

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	8.5	9.6	10.5	11.7	13.2	15.2	16.3	16.9	14.8	11.2	9.4	9.0
2	8.8	9.9	11.1	12.2	13.7	15.5	16.1	16.7	14.2	10.9	9.0	9.2
3	9.0	10.0	11.2	12.7	14.4	16.0	16.6	15.9	12.8	9.9	9.2	8.6

OCUCAJE - PRECIPITACION

PERIODO 1985-1987



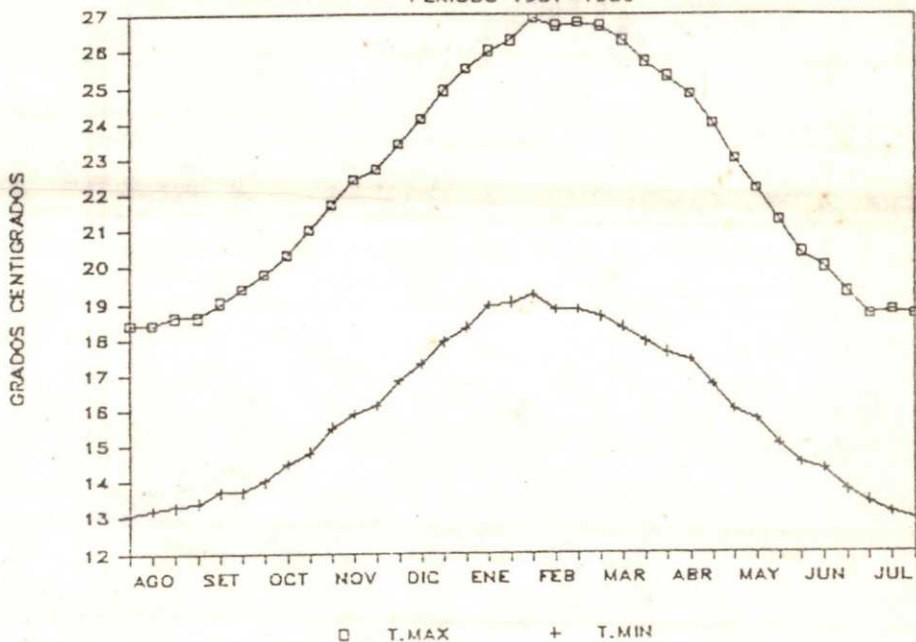
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 1.5 (mm)

SAN JUAN (ICA) - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

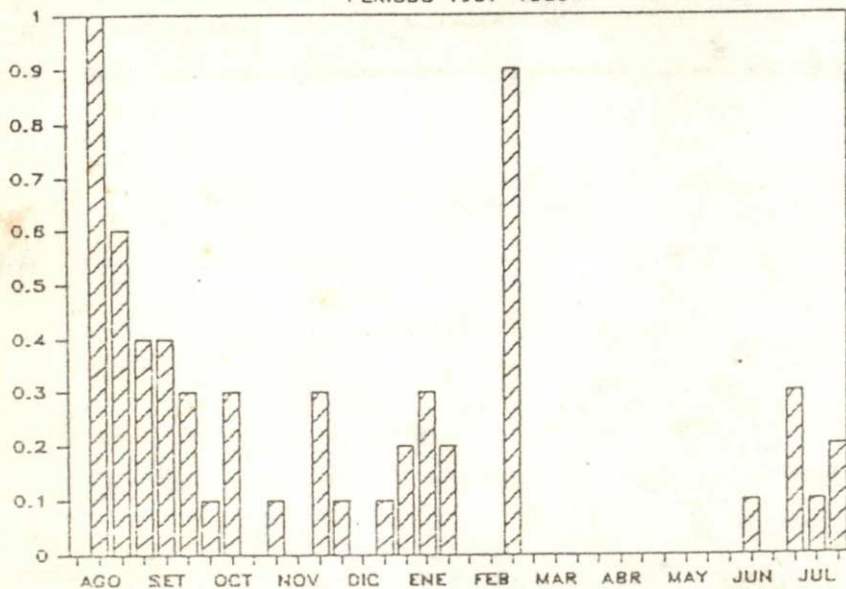
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.4	18.6	19.8	21.7	23.4	25.5	26.9	26.7	25.3	23.0	20.0	18.7
2	18.4	19.0	20.3	22.4	24.1	26.0	26.7	26.3	24.8	22.2	20.0	18.8
3	18.6	19.4	21.0	22.7	24.9	26.3	26.8	25.7	24.0	21.3	19.3	18.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.1	13.4	14.0	15.5	16.8	18.3	19.2	18.6	17.6	16.0	14.5	13.4
2	13.2	13.7	14.5	15.9	17.3	18.9	18.8	18.3	17.4	15.7	14.3	13.1
3	13.3	13.7	14.8	16.1	17.9	19.0	18.8	17.9	16.7	15.0	13.7	12.9

SAN JUAN (ICA) - PRECIPITACION

PERIODO 1951-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.4	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.3
2	1.0	0.4	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.1
3	0.6	0.3	0.0	0.3	0.1	0.2	0.9	0.0	0.0	0.0	0.0	0.2

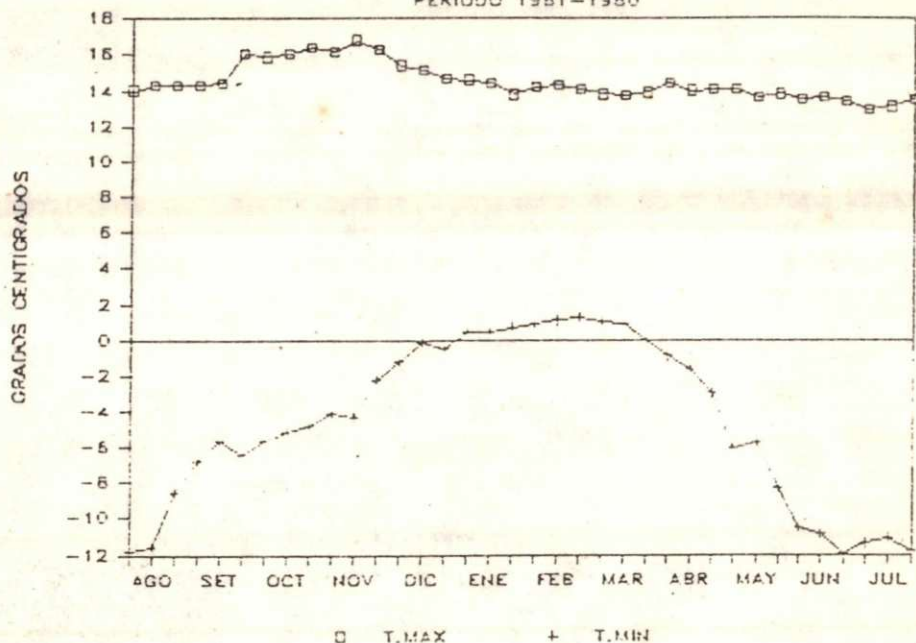
PRECIPITACION NORMAL DE CAMPARA AGRICOLA 6.0 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE AREQUIPA

HOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
ANGOSTURA ✓	CAYLLOMA	CAYLLOMA	15:11	71:39	4155
COTAHUASI	LA UNION	COTAHUASI	15:12	72:54	2683
APLAD	CASTILLA	APLAD	16:04	72:30	510
AREQUIPA	AREQUIPA	CAYMA	16:21	71:34	2518
LA PAMPILLA	AREQUIPA	AREQUIPA	16:25	71:31	2350
LA JOYA ✓	AREQUIPA	LA JOYA	16:35	71:55	1268
HACIENDITA	ISLAY	COCACHACRA	17:00	71:37	400

ANGOSTURA - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

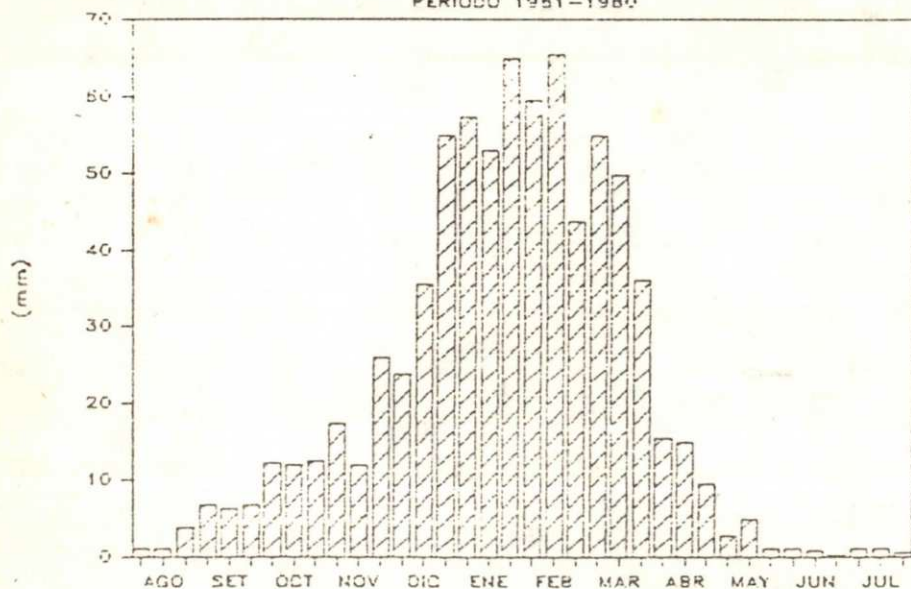
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	14.0	14.3	15.9	16.2	15.4	14.6	14.2	13.8	14.4	14.1	13.5	12.9
2	14.3	14.4	16.1	16.8	15.1	14.4	14.3	13.7	14.0	13.6	13.6	13.1
3	14.3	16.1	16.4	16.3	14.7	13.8	14.1	13.9	14.1	13.8	13.4	13.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-11.8	-6.8	-5.6	-4.1	-1.2	0.4	0.9	1.0	-0.9	-6.1	-10.5	-11.4
2	-11.6	-5.6	-5.1	-4.3	-0.1	0.4	1.1	0.9	-1.7	-5.7	-10.9	-11.1
3	-8.5	-6.4	-4.8	-2.3	-0.5	0.7	1.3	0.0	-3.0	-8.3	-11.9	-11.8

ANGOSTURA - PRECIPITACION

PERIODO 1951-1980



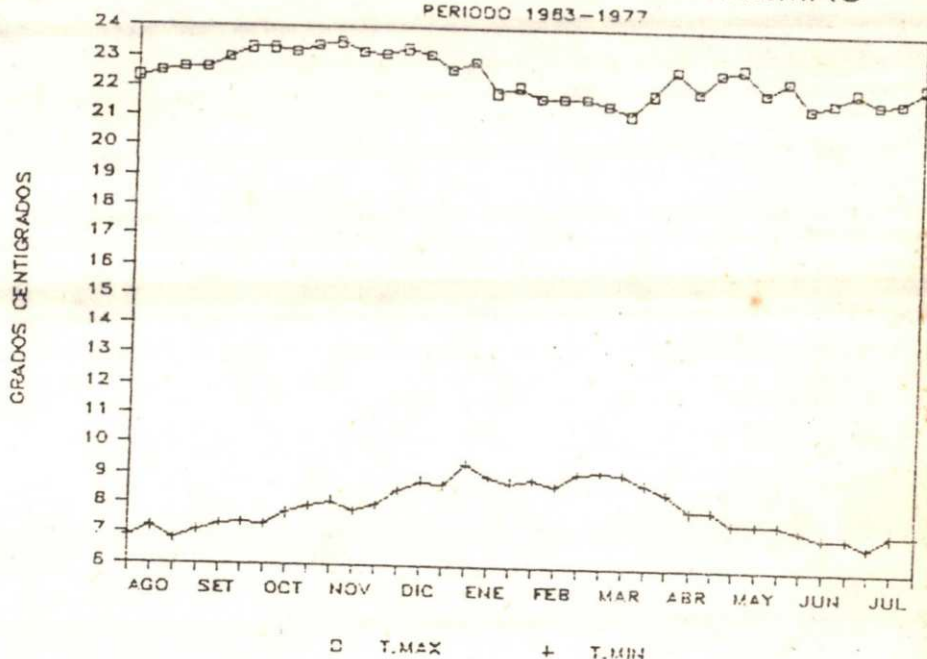
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.1	6.8	12.2	17.4	23.8	57.3	59.4	54.8	15.5	2.6	1.0	0.9
2	0.9	6.3	11.8	11.9	35.6	52.9	65.4	49.6	14.8	4.8	0.6	0.9
3	3.7	6.8	12.5	26.0	54.8	64.8	43.7	36.2	9.4	1.0	0.2	0.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 767.7 (mm)

COTAHUASI - TEMP. EXTREMAS

PERIODO 1983-1977



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

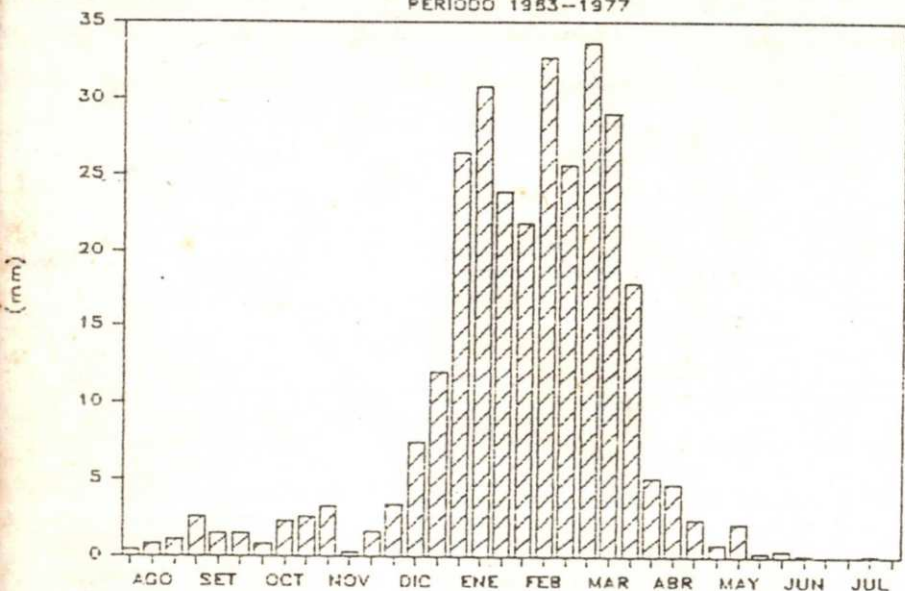
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.3	22.6	23.3	23.5	23.3	22.9	21.7	21.5	22.7	22.8	21.5	21.7
2	22.5	23.0	23.2	23.2	23.1	21.9	21.7	21.2	22.0	22.0	21.7	21.8
3	22.6	23.3	23.4	23.1	22.6	22.1	21.7	21.9	22.6	22.4	22.1	22.3

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	6.9	7.1	7.3	8.1	8.5	9.4	8.9	9.2	8.5	7.5	7.3	6.8
2	7.2	7.3	7.7	7.8	8.8	9.0	8.7	9.1	7.9	7.5	7.1	7.2
3	6.8	7.4	7.9	8.0	8.7	8.8	9.1	8.8	7.9	7.5	7.1	7.2

COTAHUASI - PRECIPITACION

PERIODO 1963-1977



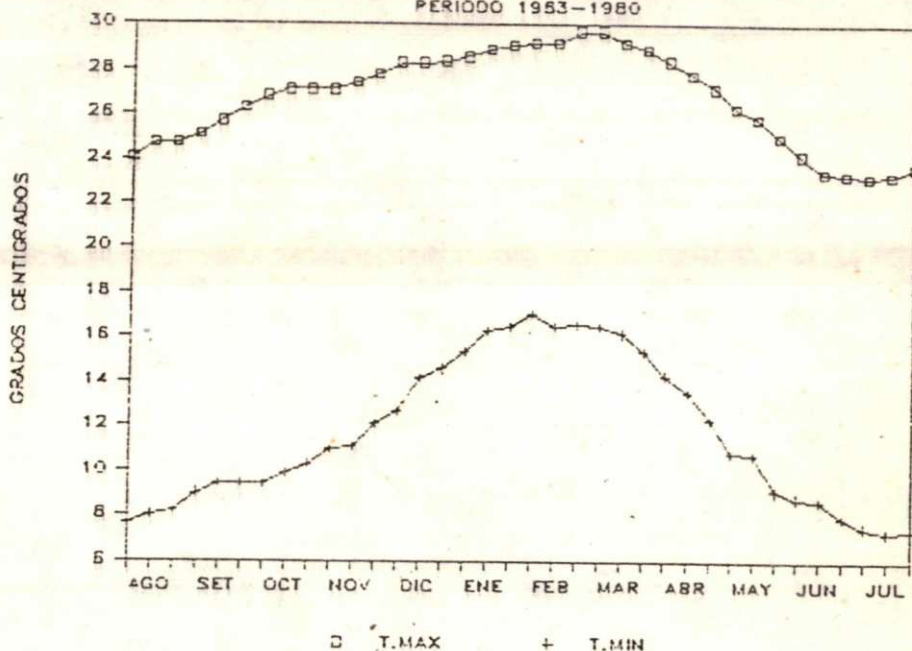
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.4	2.6	0.7	3.2	3.3	26.5	21.9	33.7	5.1	0.7	0.4	0.0
2	0.7	1.4	2.3	0.2	7.4	30.8	32.7	29.0	4.7	2.1	0.1	0.1
3	1.0	1.4	2.6	1.6	12.0	23.9	25.7	17.9	2.4	0.2	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 298.7 (mm)

APLAO - TEMP. EXTREMAS

PERIODO 1953-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

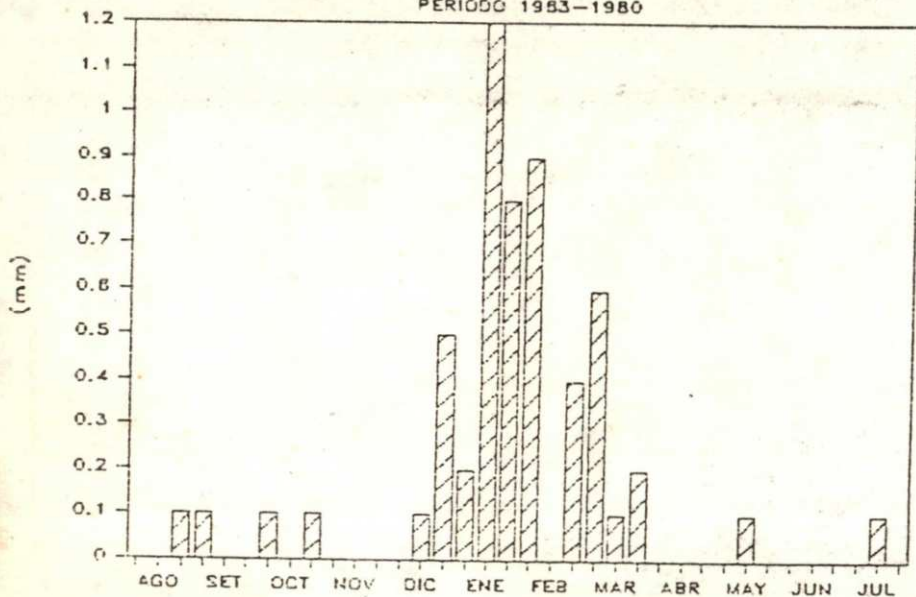
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	24.1	25.1	26.8	27.1	28.3	28.6	29.2	29.7	28.4	26.3	24.2	23.2
2	24.7	25.7	27.1	27.4	28.3	28.9	29.2	29.2	27.8	25.8	23.4	23.3
3	24.7	26.3	27.1	27.8	28.4	29.1	29.7	28.9	27.2	25.0	23.3	23.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	7.6	9.0	9.4	11.0	12.7	15.4	17.1	16.5	14.3	10.8	8.8	7.5
2	8.0	9.4	9.9	11.1	14.2	16.3	16.5	16.2	13.5	10.7	8.7	7.3
3	8.2	9.4	10.3	12.1	14.6	16.5	16.6	15.4	12.3	9.1	7.9	7.4

APLAO - PRECIPITACION

PERIODO 1983-1980



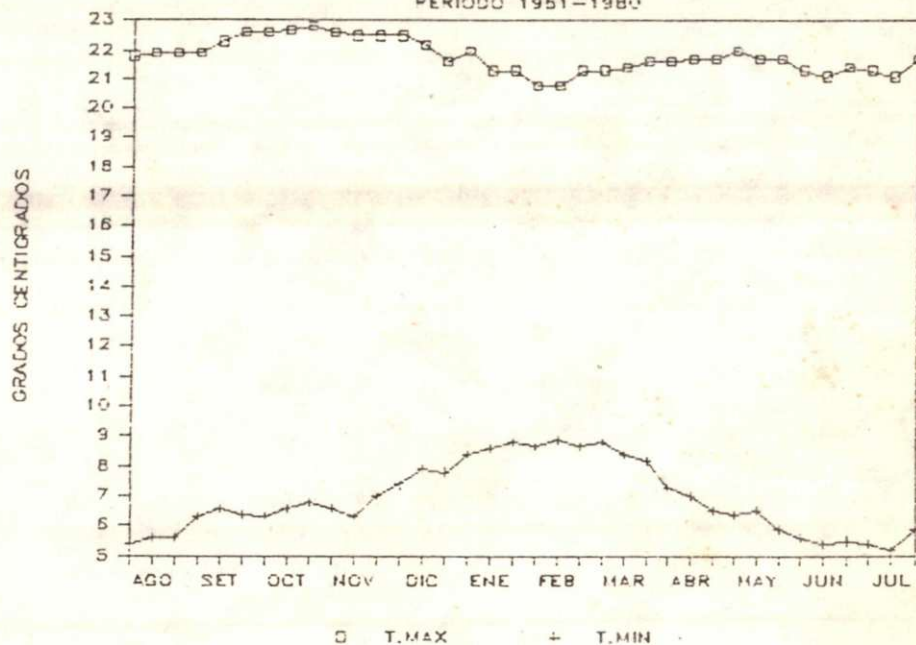
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.1	0.1	0.0	0.0	0.2	0.9	0.6	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.1	1.2	0.0	0.1	0.0	0.1	0.0	0.1
3	0.1	0.0	0.1	0.0	0.5	0.8	0.4	0.2	0.0	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 5.6 (mm)

AREQUIPA - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

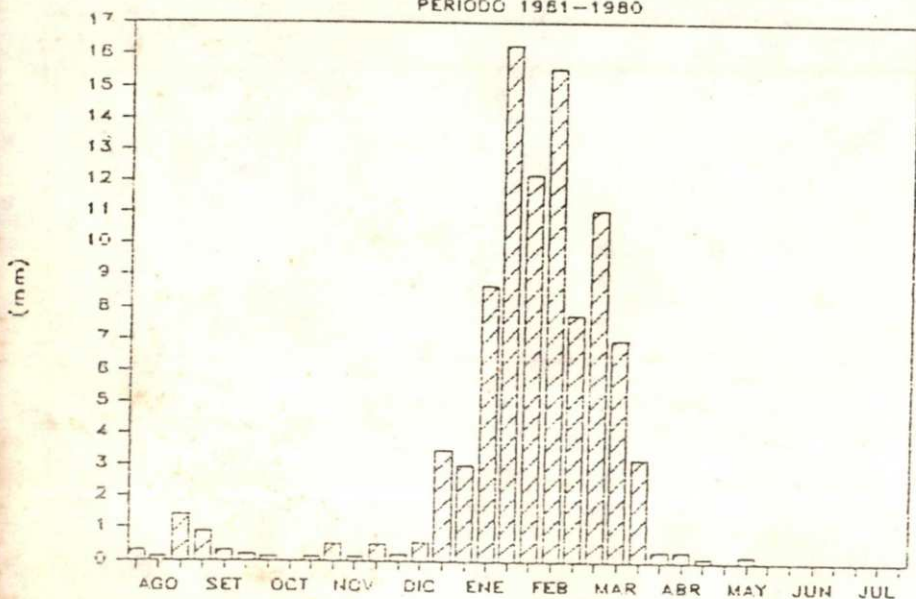
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.8	21.9	22.6	22.6	22.5	22.0	20.8	21.3	21.6	22.0	21.3	21.3
2	21.9	22.3	22.7	22.5	22.2	21.3	20.8	21.4	21.7	21.7	21.1	21.1
3	21.9	22.6	22.8	22.5	21.6	21.3	21.3	21.6	21.7	21.7	21.4	21.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	5.4	6.3	6.3	6.6	7.4	8.4	8.7	8.8	7.3	6.4	5.6	5.4
2	5.6	6.6	6.6	6.3	7.9	8.6	8.9	8.4	7.0	6.5	5.4	5.2
3	5.6	6.4	6.8	7.0	7.8	8.8	8.7	8.2	6.5	5.9	5.5	5.9

AREQUIPA - PRECIPITACION

PERIODO 1951-1980



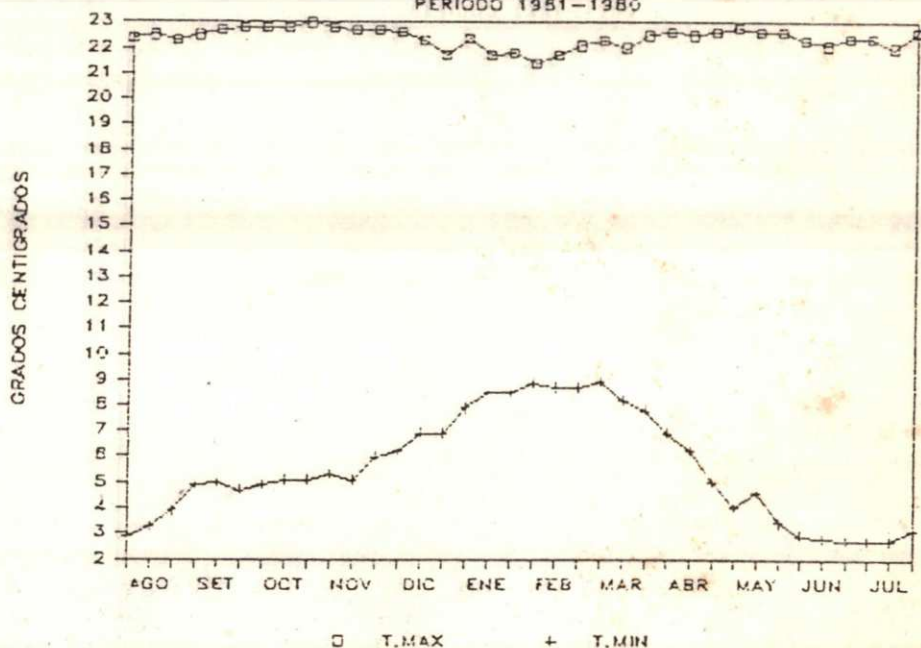
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.3	0.9	0.1	0.5	0.2	3.0	12.2	11.1	0.3	0.0	0.0	0.0
2	0.1	0.3	0.0	0.1	0.6	3.7	15.6	7.0	0.3	0.2	0.0	0.0
3	1.4	0.2	0.1	0.5	3.5	16.3	7.8	3.2	0.1	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 94.6 (mm)

LA PAMPILLA - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

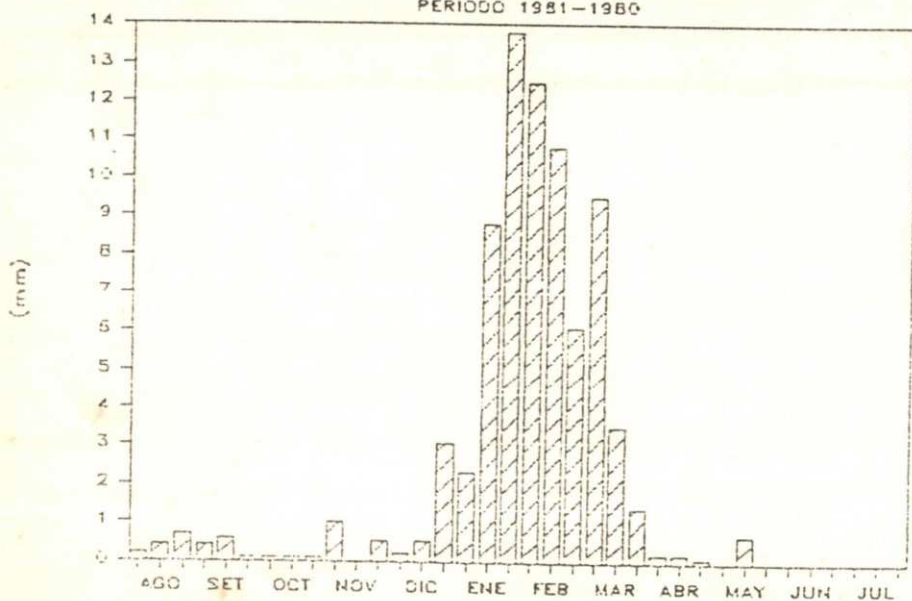
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.4	22.5	22.8	22.8	22.6	22.4	21.4	22.3	22.6	22.8	22.3	22.4
2	22.5	22.7	22.8	22.7	22.3	21.7	21.7	22.0	22.5	22.6	22.1	22.0
3	22.3	22.8	23.0	22.7	21.7	21.8	22.1	22.5	22.6	22.6	22.4	22.6

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.9	4.9	4.9	5.3	6.2	7.9	8.8	8.9	6.9	4.0	2.9	2.7
2	3.3	5.0	5.1	5.1	6.9	8.5	8.7	8.2	6.2	4.6	2.8	2.7
3	3.9	4.7	5.1	6.0	6.9	8.5	8.7	7.8	5.0	3.4	2.7	3.1

LA PAMPILLA - PRECIPITACION

PERIODO 1981-1980



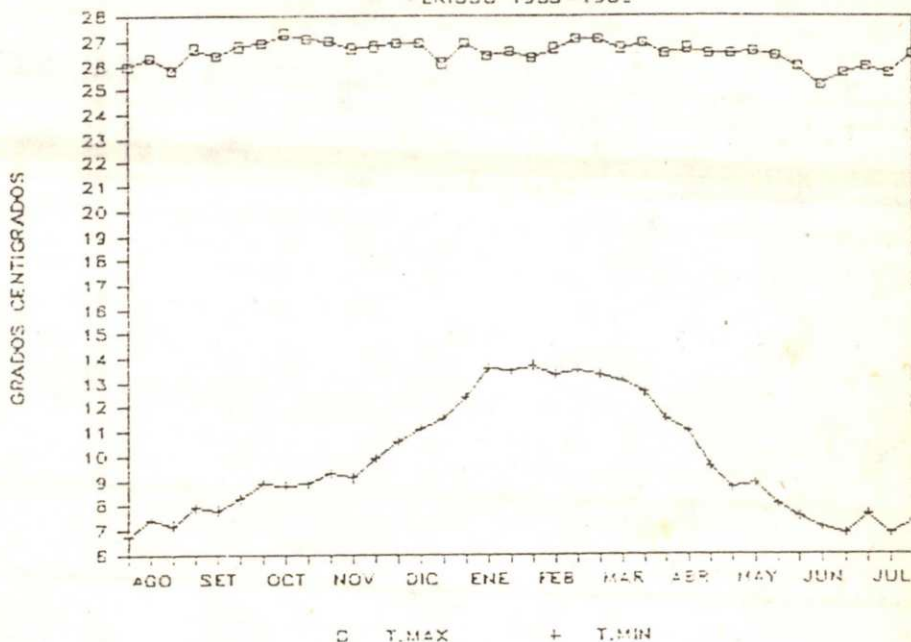
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.2	0.4	0.1	1.0	0.2	2.3	12.5	9.5	0.2	0.0	0.0	0.0
2	0.4	0.6	0.1	0.0	0.5	8.8	10.8	3.5	0.2	0.7	0.0	0.0
3	0.7	0.1	0.1	0.5	3.1	13.8	6.1	1.4	0.1	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 77.9 (mm)

LA JOYA - TEMP. EXTREMAS

PERIODO 1955-1960



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

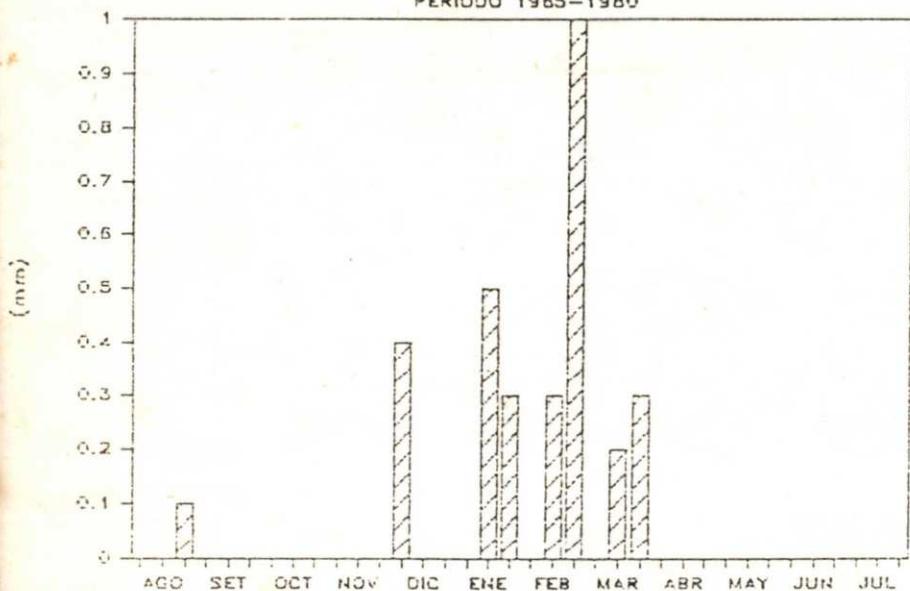
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	26.0	26.7	25.9	27.0	26.9	26.9	26.3	27.1	26.5	26.5	26.0	26.
2	25.3	26.4	27.3	26.7	26.9	26.4	26.7	26.7	26.7	26.6	25.2	25.
3	25.8	26.8	27.1	26.8	26.1	26.6	27.1	26.9	26.5	26.4	25.7	26.

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	6.7	7.9	8.9	9.3	10.6	12.4	13.7	13.3	11.5	8.7	7.5	7.
2	7.4	7.8	8.8	9.1	11.1	13.6	13.3	13.1	11.0	8.9	7.1	6.
3	7.2	8.3	8.9	9.9	11.5	13.5	13.5	12.6	9.6	8.0	6.8	7.

LA JOYA - PRECIPITACION

PERIODO 1965-1980



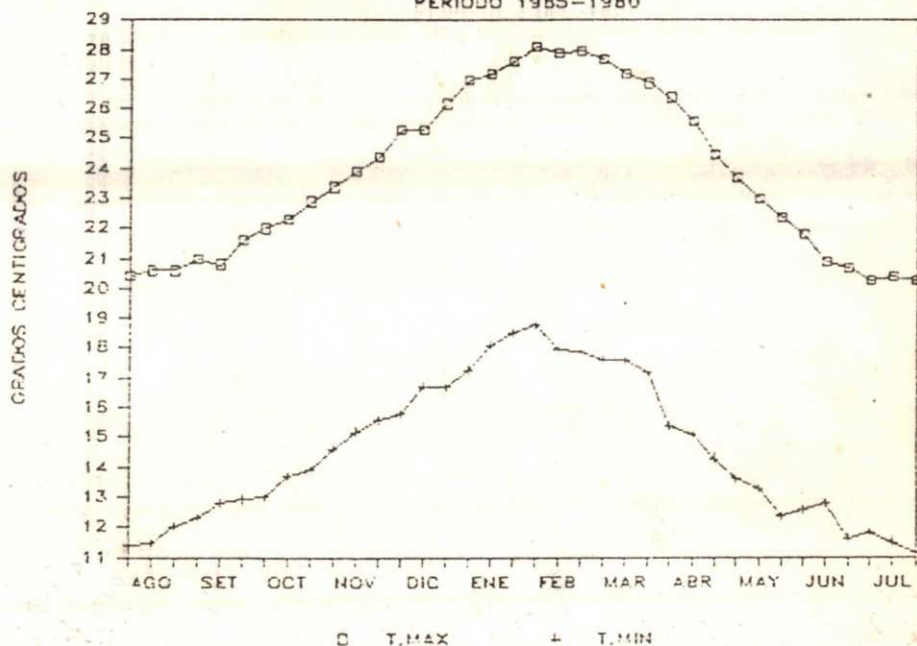
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.0	0.0	0.0	0.0
3	0.1	0.0	0.0	0.0	0.0	0.3	1.0	0.3	0.0	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 3.1 (mm)

HACIENDITA -TEMP. EXTREMAS

PERIODO 1985-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

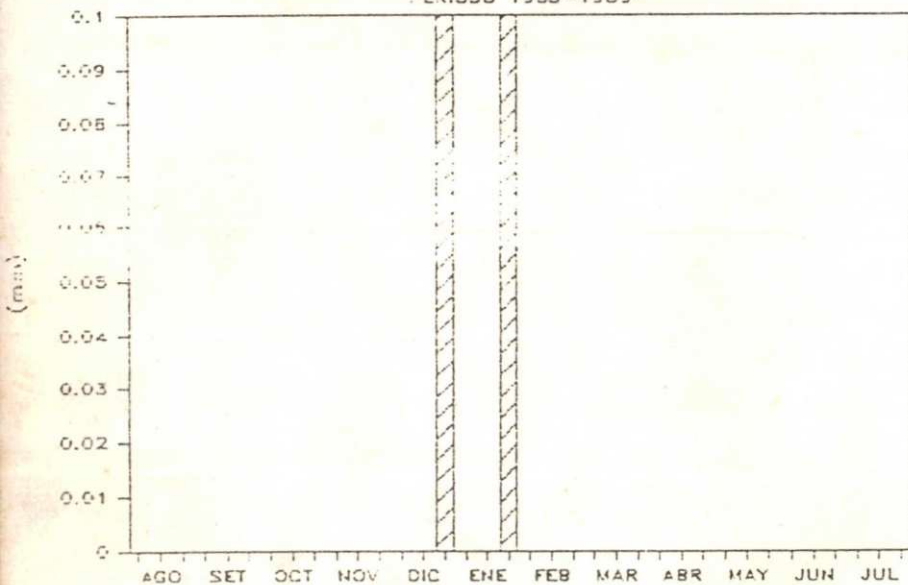
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.4	21.0	22.0	23.4	25.3	27.0	28.1	27.7	26.4	23.7	21.8	20.3
2	20.6	20.8	22.3	23.9	25.3	27.2	27.9	27.2	25.6	23.0	20.9	20.4
3	20.6	21.6	22.9	24.4	26.2	27.6	28.0	26.9	24.5	22.4	20.7	20.3

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	11.4	12.3	13.0	14.6	15.8	17.3	18.8	17.6	15.4	13.6	12.6	11.8
2	11.5	12.8	13.7	15.2	16.7	18.1	18.0	17.6	15.1	13.3	12.8	11.5
3	12.0	12.9	13.9	15.6	16.7	18.5	17.9	17.2	14.3	12.4	11.6	11.1

HACIENDITA - PRECIPITACION

PERIODO 1965-1980



PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

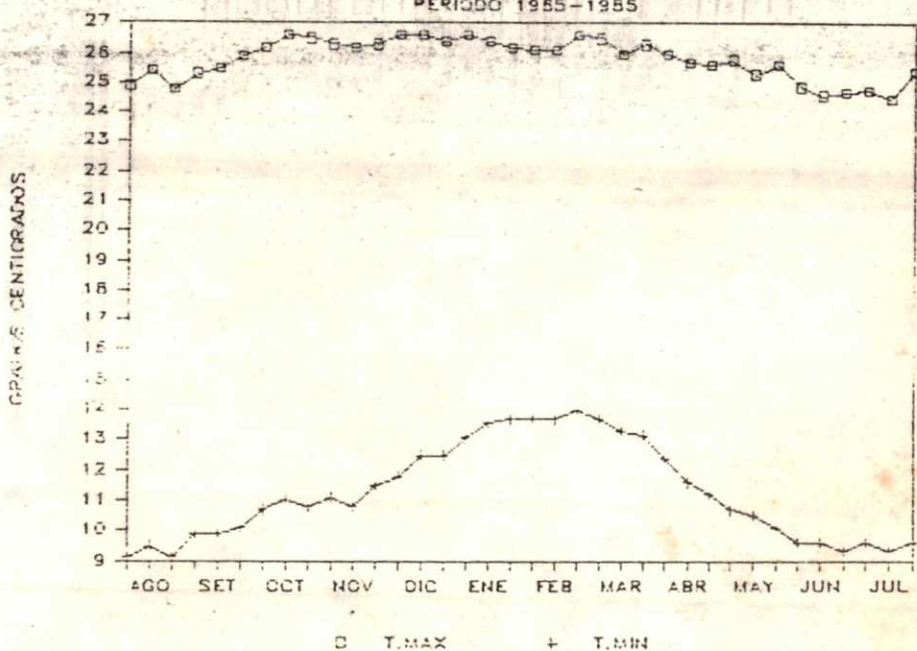
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 0.2 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE MOQUEGUA

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
MOQUEGUA	MCAL. NIETO	MOQUEGUA	17:10	70:56	1412

MOQUEGUA - TEMP. EXTREMAS

PERIODO 1955-1955



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

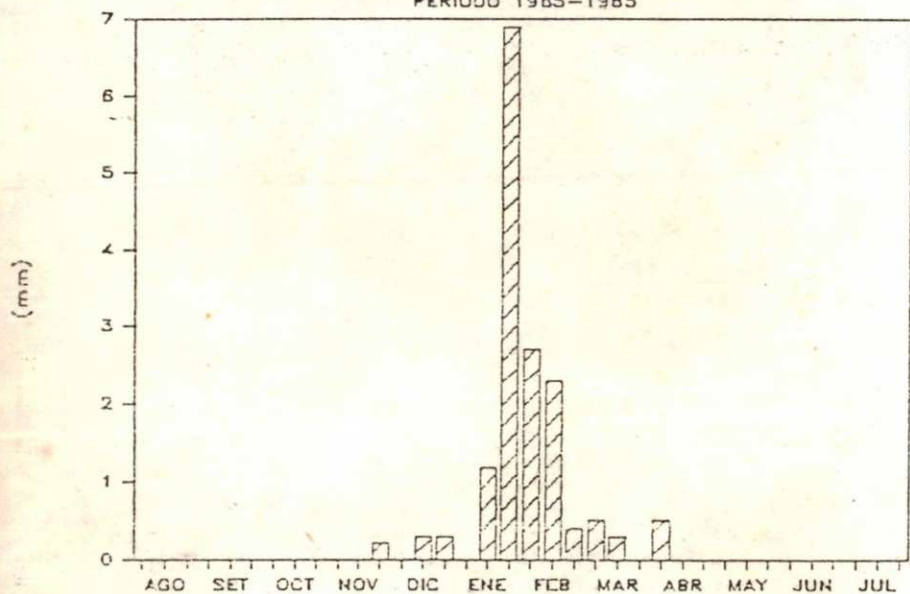
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	24.9	25.3	26.2	26.3	26.6	26.6	26.1	26.5	26.0	25.8	24.9	24.8
2	25.4	25.5	26.6	26.2	26.6	26.4	26.1	26.0	25.7	25.3	24.6	24.5
3	24.8	25.9	26.5	26.3	26.4	26.2	26.6	26.3	25.6	25.6	24.7	25.4

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	9.1	9.9	10.7	11.1	11.8	13.1	13.7	13.7	12.4	10.7	9.6	9.6
2	9.5	9.9	11.0	10.8	12.5	13.6	13.7	13.3	11.6	10.5	9.6	9.3
3	9.1	10.1	10.8	11.5	12.5	13.7	14.0	13.2	11.2	10.1	9.3	9.6

MOQUEGUA — PRECIPITACION

PERIODO 1965-1965



PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.5	0.5	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.3	1.2	2.3	0.5	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.2	0.3	6.9	0.4	0.0	0.0	0.0	0.0	0.0

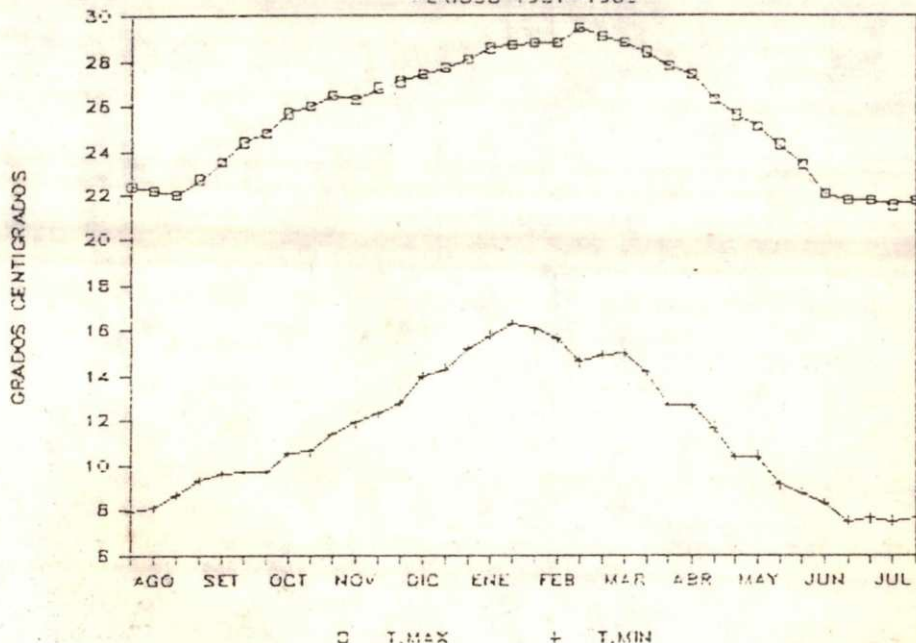
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 15.6 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE TACNA

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD	LONGITUD	ALTITUD
			° ' S	° ' W	m
LOCUMBA	TACNA	LOCUMBA	17:37 3	70:46	559 3
CANDARAVE	TARATA	CANDARAVE	17:16 1	70:15	3415 6
TARATA ✓	TARATA	TARATA	17:28 2	70:02	3088 3
SAMA GRANDE ✓	TACNA	INCLAN	17:48 4	70:30	532 2
CALANA ✓	TACNA	CALANA	17:56 5	70:11	875 4
TACNA	TACNA	TACNA	18:03 6	70:16	452 1

LOCUMBA - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

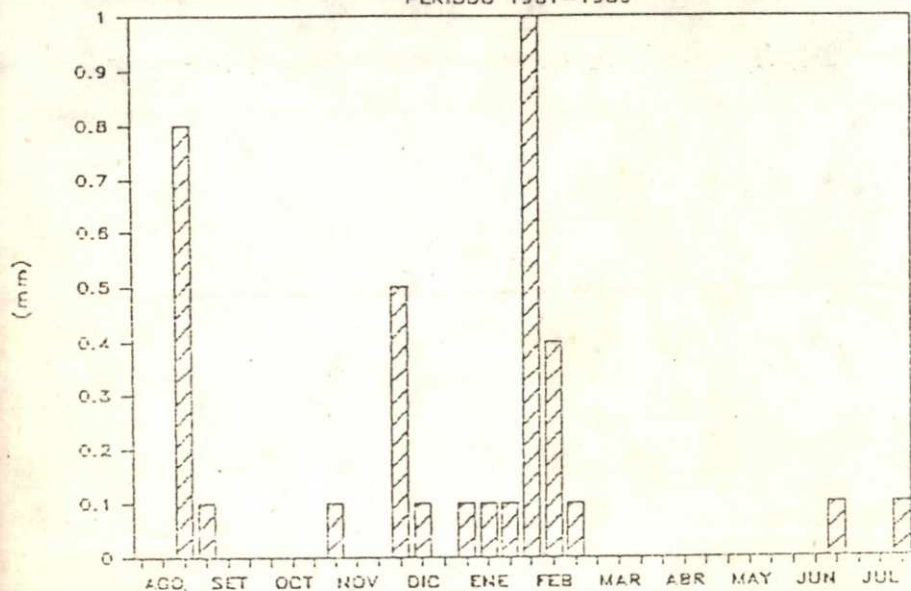
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.4	22.7	24.6	26.5	27.1	28.1	28.8	29.1	27.8	25.6	23.4	21.8
2	22.2	23.5	25.7	26.3	27.4	28.6	28.8	28.8	27.4	25.1	22.1	21.6
3	22.0	24.4	26.0	26.8	27.7	28.7	29.5	28.4	26.3	24.3	21.8	21.8

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	7.9	9.3	9.7	11.4	12.8	15.2	16.1	14.9	12.7	10.4	8.8	7.6
2	8.1	9.6	10.5	11.9	14.0	15.8	15.7	15.0	12.7	10.4	8.3	7.5
3	8.7	9.7	10.6	12.3	14.3	16.3	14.6	14.2	11.7	9.1	7.5	7.6

LOCUMBA —PRECIPITACION

PERIODO 1961-1980



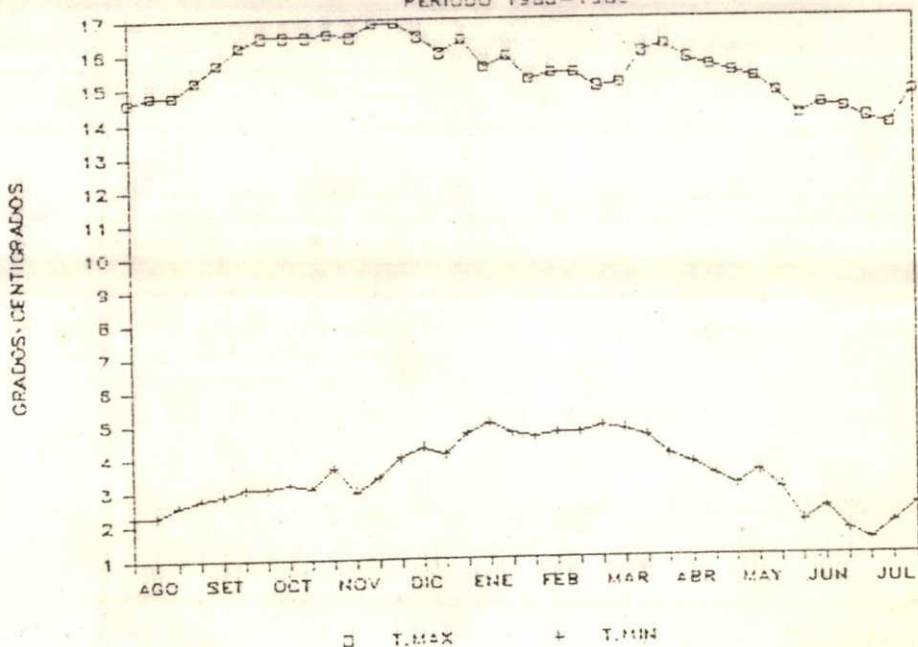
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	0.1	0.0	0.1	0.5	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.0
3	0.8	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 3.6 (mm)

CANDARAVE - TEMP. EXTREMAS

PERIODO 1963-1960



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

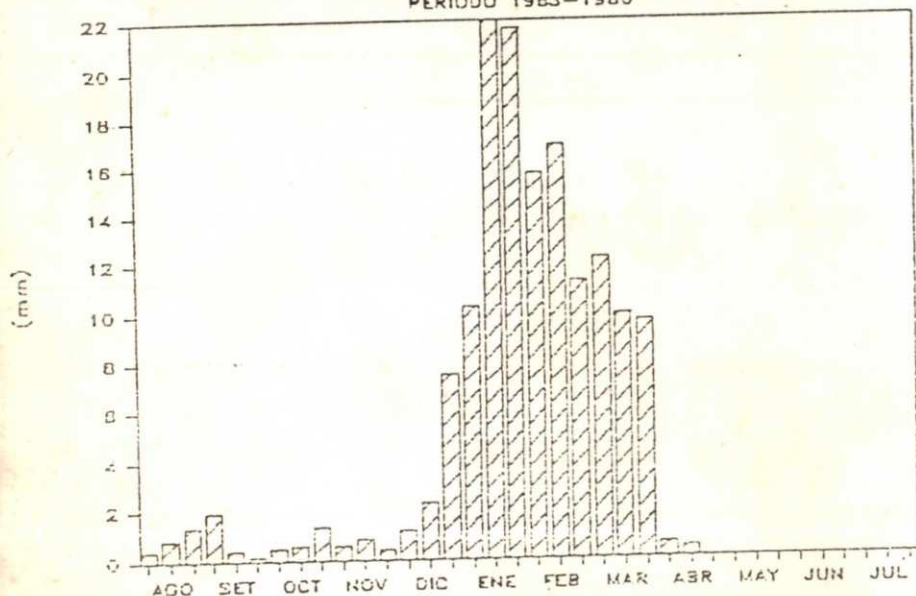
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	14.6	15.2	16.5	16.6	16.9	16.4	15.2	15.0	16.2	15.4	14.1	14.0
2	14.8	15.7	16.5	16.5	16.5	15.6	15.4	15.1	15.8	15.2	14.4	13.8
3	14.8	16.2	16.5	16.9	16.0	15.9	15.4	16.0	15.6	14.8	14.3	14.8

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.3	2.8	3.1	3.7	4.0	4.7	4.6	4.9	4.0	3.1	2.0	1.4
2	2.3	2.9	3.2	3.0	4.3	5.0	4.7	4.8	3.8	3.5	2.4	1.9
3	2.6	3.1	3.1	3.4	4.1	4.7	4.7	4.6	3.4	3.0	1.7	2.5

CANDARAVE - PRECIPITACION

PERIODO 1983-1980



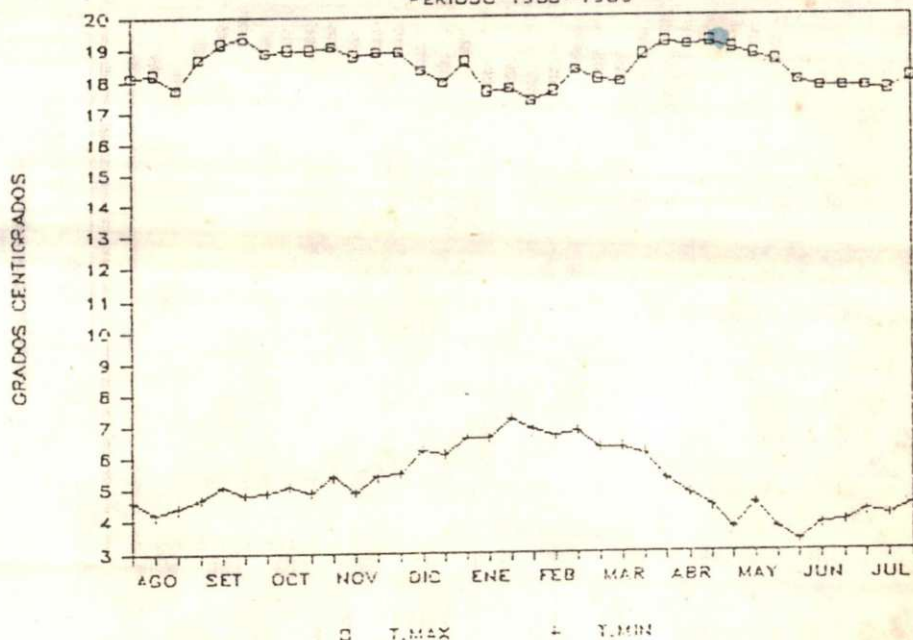
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.4	1.9	0.5	0.6	1.2	10.2	15.7	12.2	0.0	0.0	0.0	0.0
2	0.3	0.4	0.6	0.8	2.3	22.0	16.9	9.9	0.4	0.0	0.0	0.0
3	1.3	0.1	1.3	0.4	7.5	21.7	11.3	9.6	0.0	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 150.6 (mm)

TARATA - TEMP. EXTREMAS

PERIODO 1963-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

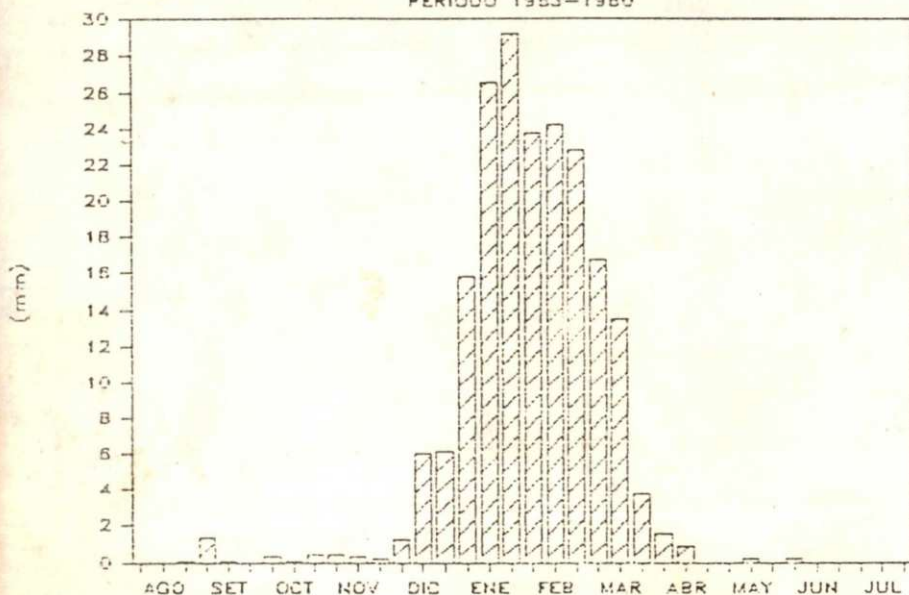
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.1	18.7	18.9	19.1	18.9	18.6	17.3	18.0	19.2	19.0	17.9	17.7
2	18.2	19.2	19.0	18.8	18.3	17.6	17.6	17.9	19.1	18.8	17.7	17.6
3	17.7	19.4	19.0	18.9	17.9	17.7	18.3	18.8	19.2	18.6	17.7	18.0

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.6	4.7	4.9	5.4	5.5	6.6	6.9	6.3	5.3	3.7	3.3	4.2
2	4.2	5.1	5.1	4.9	6.2	6.6	6.7	6.3	4.8	4.5	3.8	4.1
3	4.4	4.8	4.9	5.4	6.1	7.2	6.8	6.1	4.4	3.7	3.9	4.4

TARATA - PRECIPITACION

PERIODO 1963-1966



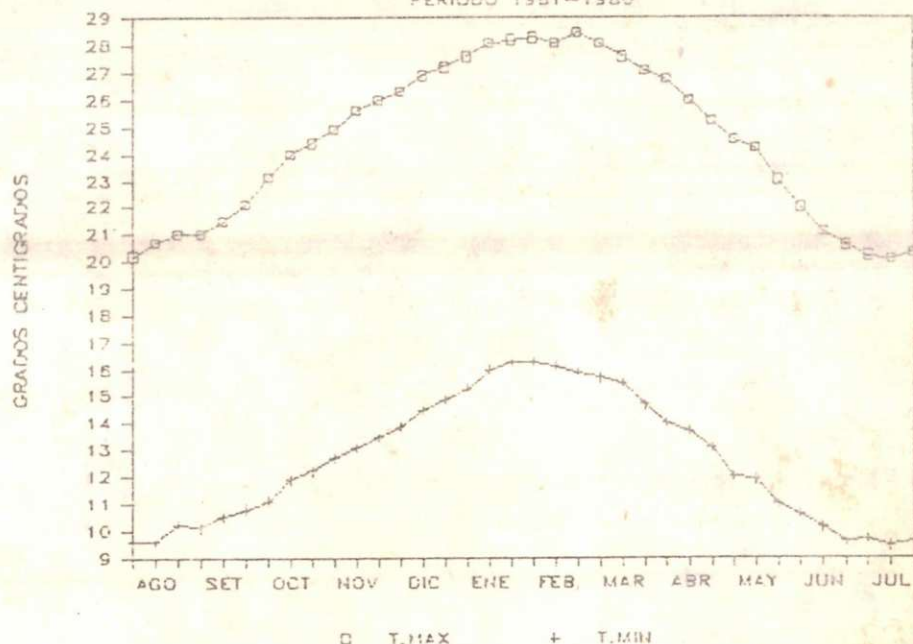
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.0	1.4	0.3	0.4	1.3	15.8	23.8	16.7	1.6	0.0	0.2	0.0	0.0
2	0.0	0.1	0.1	0.3	6.0	26.6	24.2	13.5	0.9	0.2	0.0	0.0	0.0
3	0.1	0.0	0.4	0.2	6.1	29.2	22.8	3.8	0.0	0.0	0.0	0.0	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 196.0 (mm)

SAMA GRANDE - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

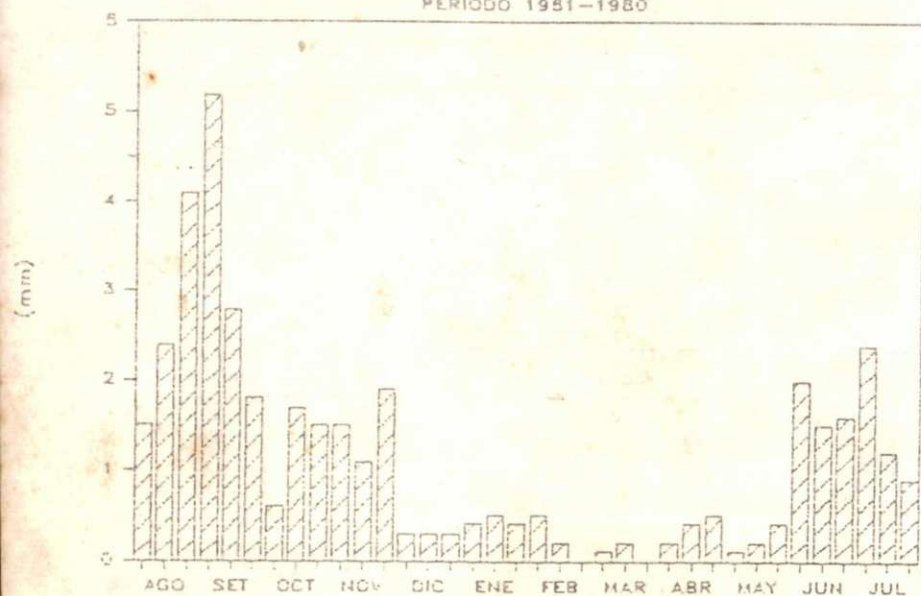
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.2	21.0	23.1	24.9	26.3	27.6	28.3	28.1	26.8	24.5	22.0	20.2
2	20.7	21.5	24.0	25.6	26.9	28.1	28.1	27.6	26.0	24.2	21.1	20.1
3	21.0	22.1	24.4	26.0	27.2	28.2	28.5	27.1	25.2	23.0	20.6	20.3

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	9.6	10.1	11.1	12.7	13.9	15.3	16.3	15.7	14.0	12.0	10.6	9.7
2	9.6	10.5	11.9	13.1	14.5	16.0	16.1	15.5	13.7	11.9	10.1	9.4
3	10.2	10.8	12.2	13.5	14.9	16.3	15.9	14.7	13.1	11.0	9.6	9.6

SAMA GRANDE - PRECIPITACION

PERIODO 1981-1980



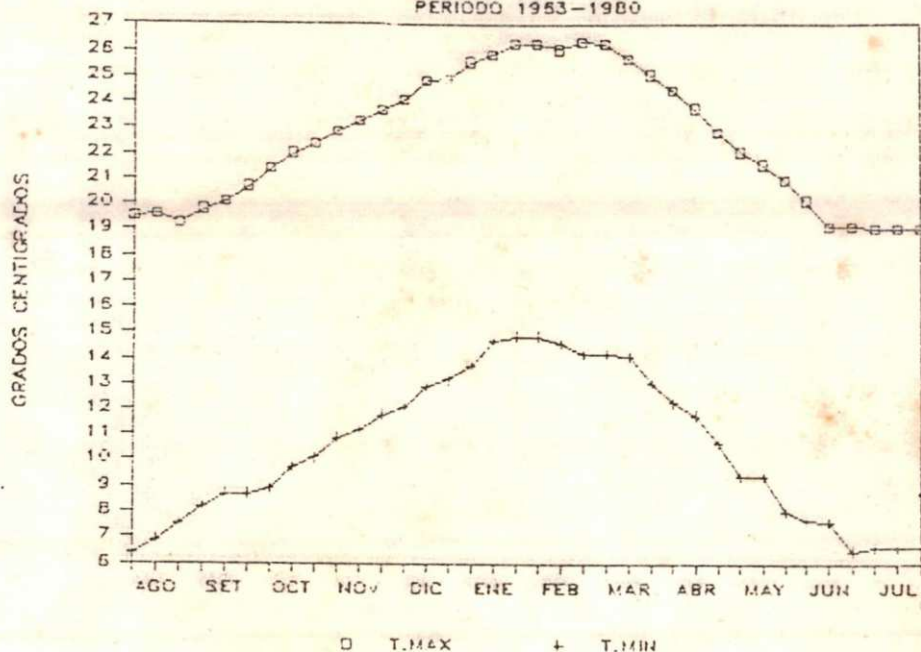
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.5	5.2	0.6	1.5	0.3	0.4	0.5	0.1	0.2	0.1	2.0	2.4
2	2.4	2.8	1.7	1.1	0.3	0.5	0.2	0.2	0.4	0.2	1.5	1.2
3	4.1	1.8	1.5	1.9	0.3	0.4	0.0	0.0	0.5	0.4	1.6	0.9

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 40.7 (mm)

CALANA -TEMP. EXTREMAS

PERIODO 1953-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

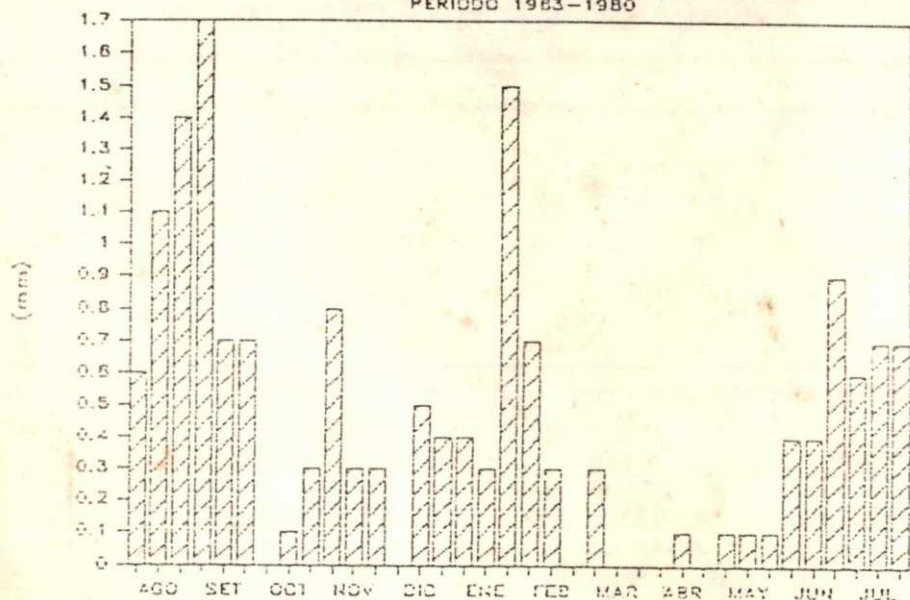
	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.5	19.8	21.4	22.9	24.1	25.6	26.3	26.3	24.5	22.1	20.2	19.1	
2	19.6	20.1	22.0	23.3	24.8	25.9	26.1	25.7	23.8	21.6	19.2	19.1	
3	19.3	20.7	22.4	23.7	24.9	26.3	26.4	25.1	22.9	21.0	19.2	19.1	

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	6.4	8.2	8.9	10.9	12.1	13.7	14.9	14.2	12.3	9.4	7.7	6.6	
2	6.9	8.7	9.7	11.2	12.9	14.7	14.6	14.1	11.8	9.4	7.6	6.6	
3	7.5	8.7	10.1	11.8	13.2	14.9	14.2	13.1	10.7	8.0	6.5	6.6	

CALANA - PRECIPITACION

PERIODO 1983-1980



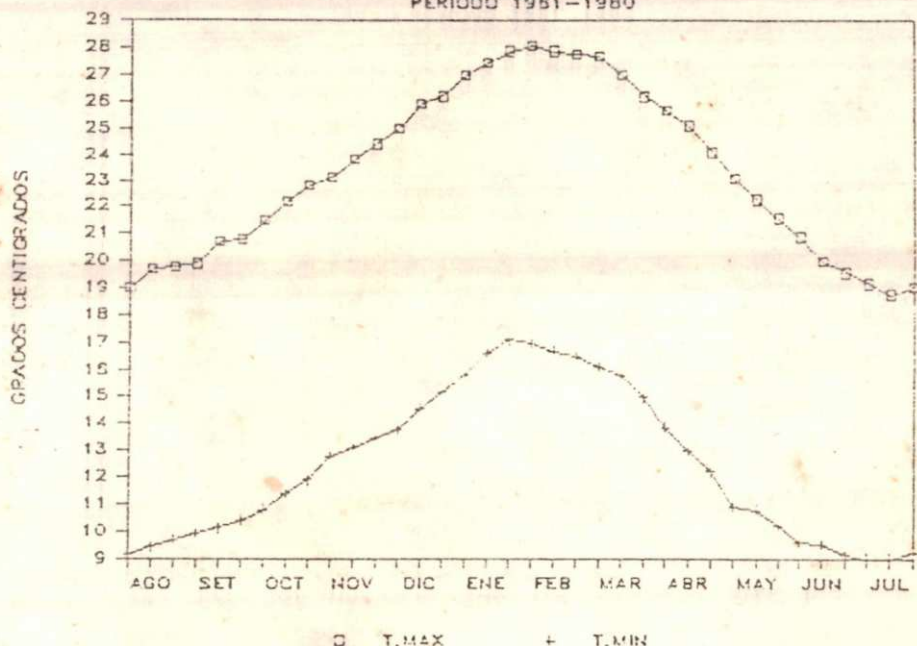
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.6	1.7	0.0	0.8	0.0	0.4	0.7	0.3	0.0	0.1	0.4	0.6
2	1.1	0.7	0.1	0.3	0.5	0.3	0.3	0.0	0.1	0.1	0.4	0.7
3	1.4	0.7	0.3	0.3	0.4	1.5	0.0	0.0	0.0	0.1	0.9	0.7

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 16.5 (mm)

TACNA - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

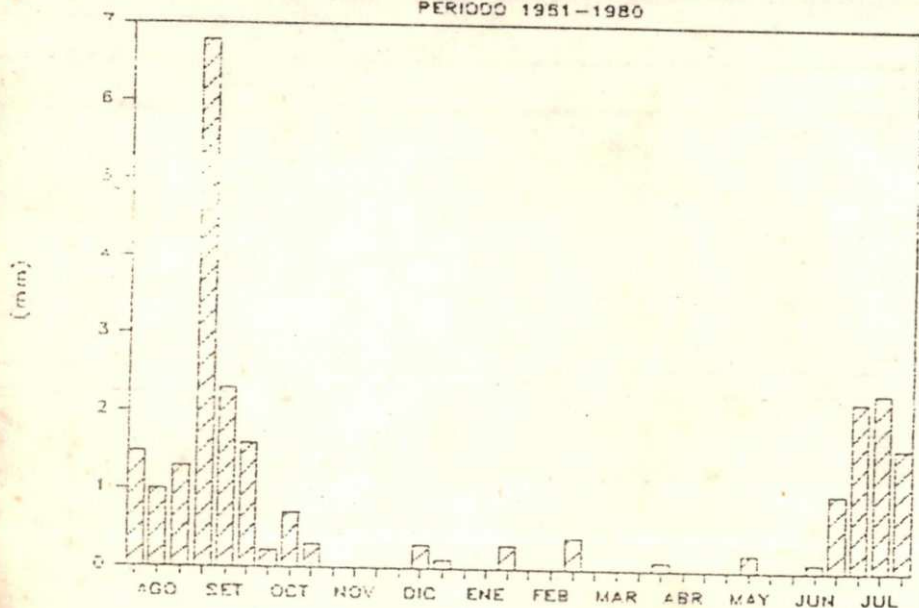
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.0	19.9	21.5	23.1	25.0	27.0	28.1	27.7	25.7	23.1	20.9	19.2
2	19.7	20.7	22.2	23.8	25.9	27.5	27.9	27.0	25.1	22.3	20.0	18.6
3	19.8	20.8	22.8	24.4	26.2	27.9	27.8	26.2	24.1	21.6	19.6	19.1

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	9.1	9.9	10.8	12.8	13.8	15.8	17.0	16.1	13.9	10.9	9.6	9.0
2	9.4	10.1	11.4	13.1	14.6	16.6	16.7	15.8	13.0	10.8	9.5	9.0
3	9.7	10.4	11.9	13.5	15.2	17.1	16.5	15.0	12.2	10.2	9.1	9.2

TACNA - PRECIPITACION

PERIODO 1951-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.5	6.8	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2.2
2	1.0	2.3	0.7	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.1	2.3
3	1.3	1.6	0.3	0.0	0.1	0.3	0.4	0.0	0.0	0.0	1.0	1.6

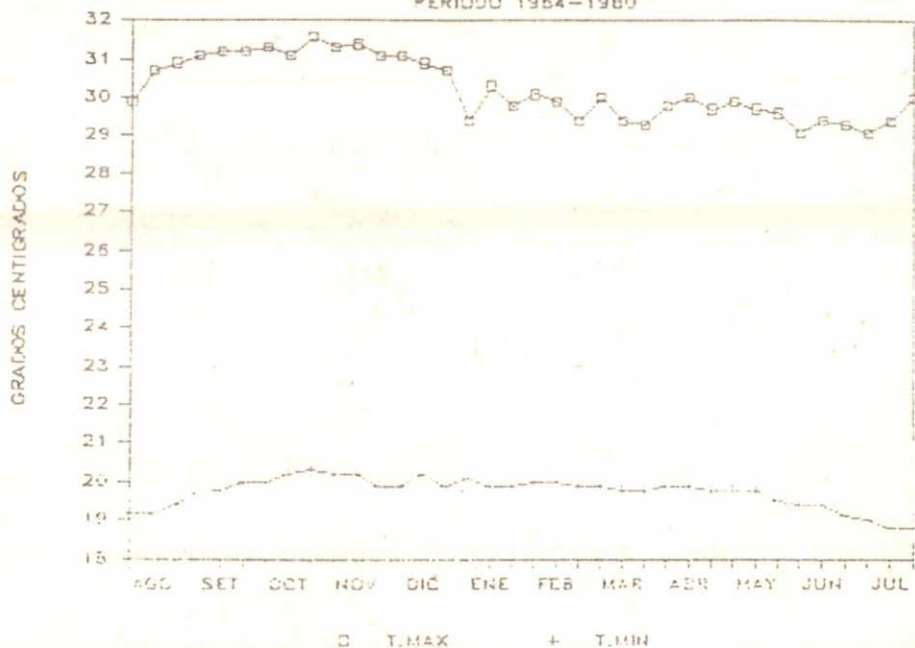
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 24.3 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE CAJAMARCA

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
JAEN ✓	JAEN	JAEN	5:40	78:45	740
CUTERVO ✓	CUTERVO	CUTERVO	6:23	78:49	2450
COCHABAMBA	CHOTA	COTABAMBA	6:28	78:53	1200
LLAMA	CHOTA	LLAMA	6:30	79:07	2100
SANTA CRUZ ✓	SANTA CRUZ	SANTA CRUZ	6:37	78:57	2000
CAJAMARCA	CAJAMARCA	CAJAMARCA	7:08	78:29	2620
WEBERBAUER ✓	CAJAMARCA	CAJAMARCA	7:10	78:30	2536
SAN JUAN ✓	CAJAMARCA	SAN JUAN	7:17	78:30	2224
SAN MARCOS ✓	CAJAMARCA	SAN MARCOS	7:20	78:10	2254
CONTUMAZA ✓	CONTUMAZA	CONTUMAZA	7:22	78:48	2650

JAEN - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

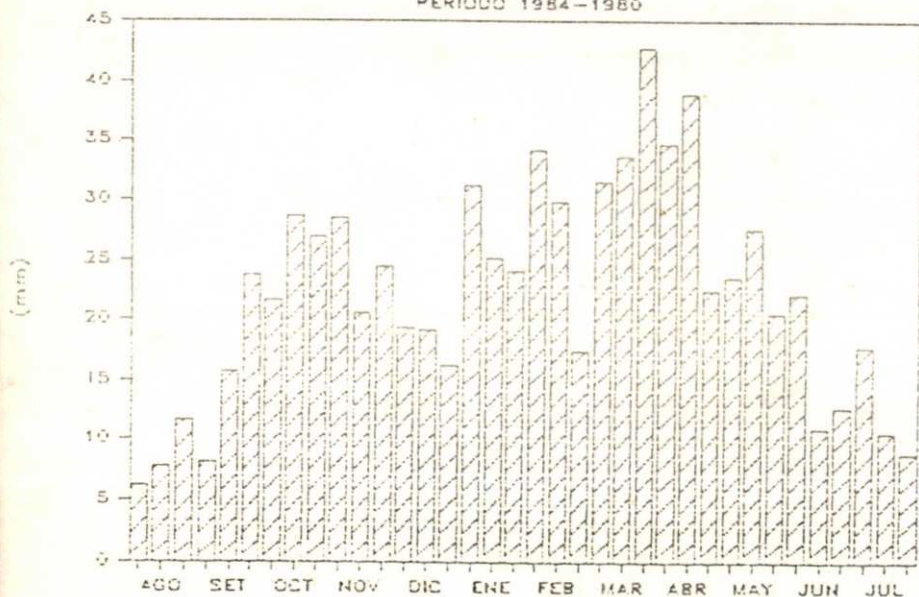
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	29.9	31.1	31.3	31.3	31.1	29.4	30.1	30.0	29.8	29.9	29.1	29.1
2	30.7	31.2	31.1	31.4	30.9	30.3	29.9	29.4	30.0	29.7	29.4	29.4
3	30.9	31.2	31.6	31.1	30.7	29.8	29.4	29.3	29.7	29.6	29.3	30.0

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.2	19.7	20.0	20.2	19.9	20.1	20.0	19.9	19.9	19.8	19.4	19.0
2	19.2	19.8	20.2	20.2	20.2	19.9	20.0	19.8	19.9	19.8	19.4	18.8
3	19.4	20.0	20.3	19.9	19.9	19.9	19.9	19.8	19.8	19.5	19.1	18.8

JAEN - PRECIPITACION

PERIODO 1984-1980



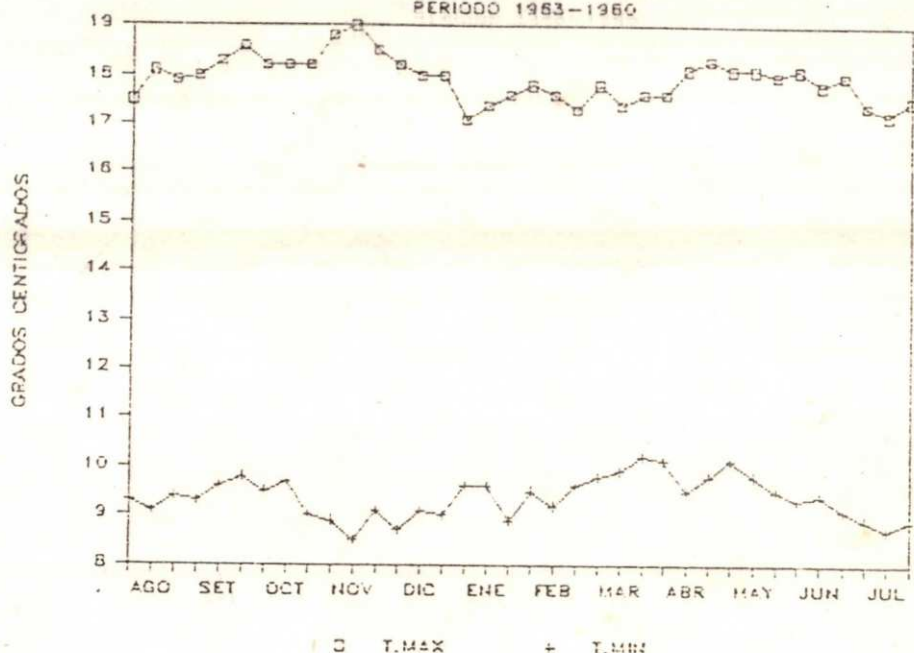
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	6.2	8.1	21.7	28.5	19.3	31.2	34.3	31.6	34.8	23.5	22.2	17.8
2	7.9	15.6	28.7	20.6	18.1	25.1	29.9	33.7	38.9	27.6	10.9	10.7
3	11.7	23.7	26.9	24.5	16.2	24.1	17.5	42.8	22.5	20.5	12.7	8.9

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 799.9 (mm)

CUTERVO - TEMP. EXTREMAS

PERIODO 1953-1960



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

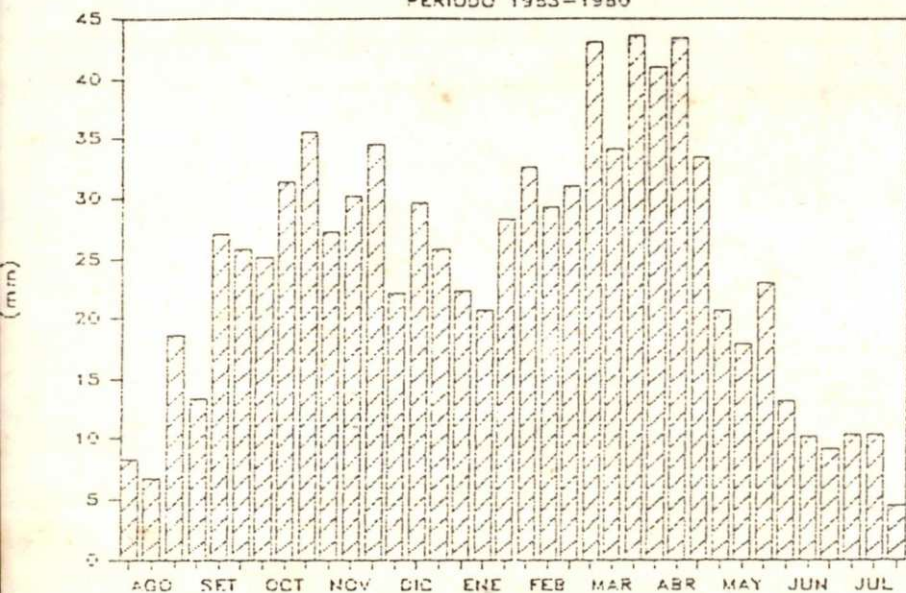
	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	17.5	18.0	18.2	18.8	18.2	17.1	17.8	17.6	17.6	18.1	18.1	18.1	17.4
2	18.1	18.3	18.2	19.0	18.0	17.4	17.6	17.4	18.1	18.1	17.8	17.8	17.2
3	17.9	18.6	18.2	18.5	18.0	17.6	17.3	17.6	18.3	18.0	18.0	18.0	17.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	9.3	9.3	9.5	8.9	8.7	9.6	9.5	9.8	10.1	10.1	9.3	9.3	8.9
2	9.1	9.6	9.7	8.5	9.1	9.6	9.2	9.9	9.5	9.8	9.4	9.4	8.7
3	9.4	9.8	9.0	9.1	9.0	8.9	9.6	10.2	9.8	9.5	9.1	9.1	8.9

CUTERVO - PRECIPITACION

PERIODO 1953-1980



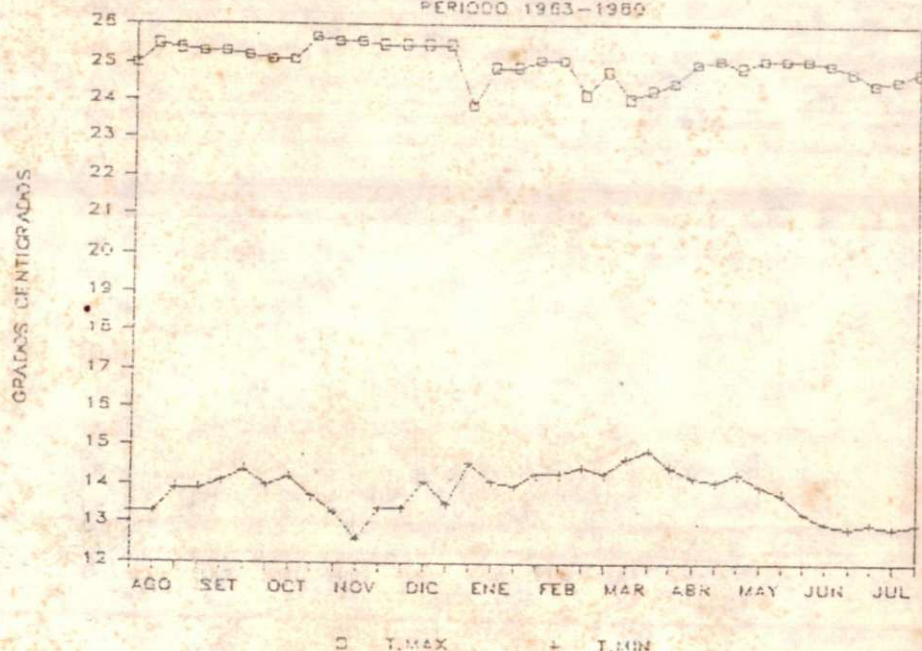
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	8.4	13.4	25.2	27.3	22.2	22.4	32.7	43.2	41.0	20.8	13.3	10.4
2	6.7	27.0	31.4	30.2	29.7	20.7	29.3	34.3	43.4	18.0	10.2	10.4
3	18.6	25.8	35.6	34.5	25.8	28.2	31.1	43.6	33.6	23.0	9.2	4.5

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 885.1 (mm)

COCHABAMBA - TEMP. EXTREMAS

PERIODO 1963-1969



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

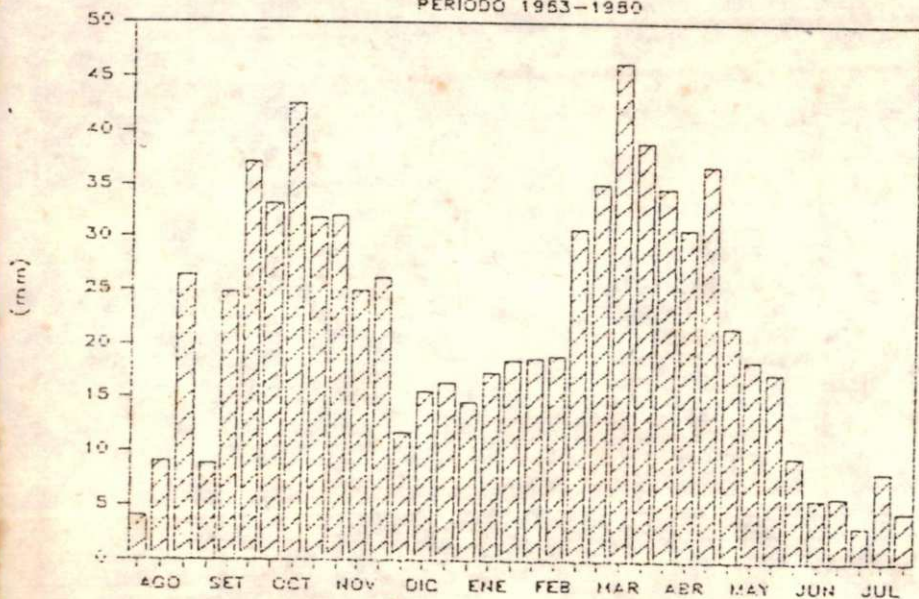
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	25.0	25.3	25.1	25.6	25.5	23.9	25.1	24.8	24.5	24.9	25.1	24.5
2	25.5	25.3	25.1	25.6	25.5	24.9	25.1	24.1	25.0	25.1	25.0	24.6
3	25.4	25.2	25.7	25.5	25.5	24.9	24.2	24.3	25.1	25.1	24.5	24.6

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.3	13.9	14.0	13.3	13.4	14.6	14.3	14.3	14.5	14.3	13.3	13.0
2	13.3	14.1	14.2	12.6	14.1	14.1	14.3	14.7	14.2	14.0	13.0	12.9
3	13.9	14.4	13.7	13.4	13.5	14.0	14.5	14.9	14.1	13.8	12.9	13.0

COCHABAMBA - PRECIPITACION

PERIODO 1953-1950



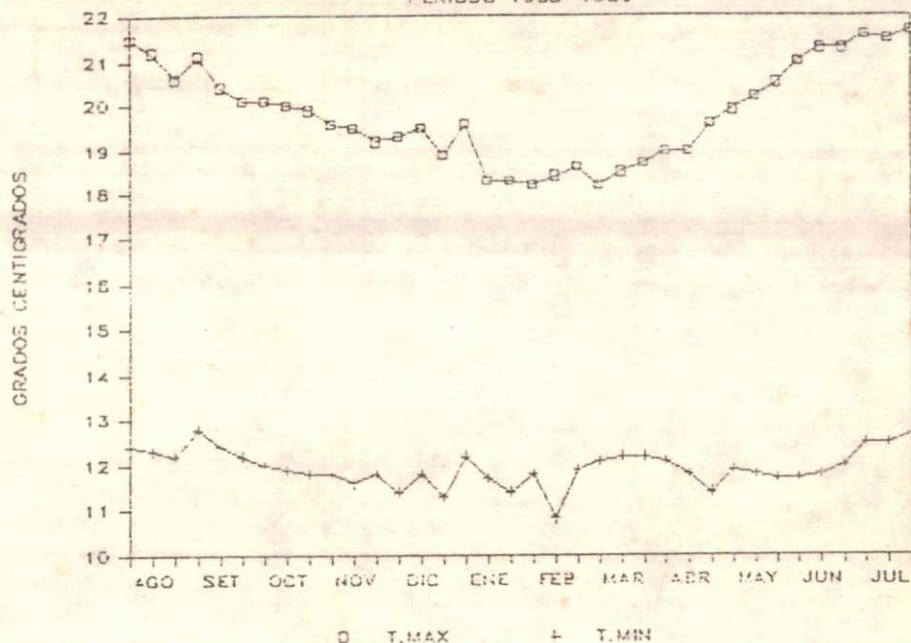
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.0	8.8	33.2	32.0	11.8	14.7	18.8	35.2	34.7	21.7	9.7	3.3
2	9.1	24.8	42.5	25.0	15.7	17.4	19.0	46.3	30.8	18.6	5.7	8.2
3	26.3	37.0	31.8	26.2	16.4	18.6	30.8	38.9	36.9	17.5	5.9	4.7

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 782.0 (mm)

LLAMA - TEMP. EXTREMAS

PERIODO 1983-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

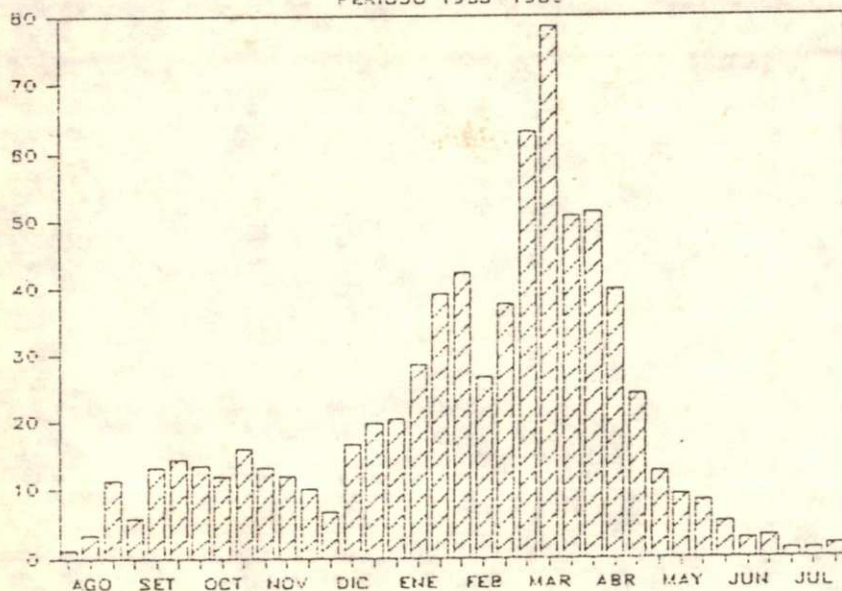
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.5	21.1	20.1	19.6	19.3	19.6	18.2	18.2	19.0	19.9	21.0	21.6
2	21.2	20.4	20.0	19.5	19.5	18.3	18.4	18.5	19.0	20.2	21.3	21.5
3	20.6	20.1	19.9	19.2	18.9	18.3	18.6	18.7	19.6	20.5	21.3	21.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	12.4	12.8	12.0	11.8	11.4	12.2	11.8	12.1	12.1	11.9	11.7	12.5
2	12.3	12.4	11.9	11.6	11.8	11.7	10.8	12.2	11.8	11.8	11.8	12.5
3	12.2	12.2	11.8	11.8	11.3	11.4	11.9	12.2	11.4	11.7	12.0	12.7

LLAMA - PRECIPITACION

PERIODO 1983-1980



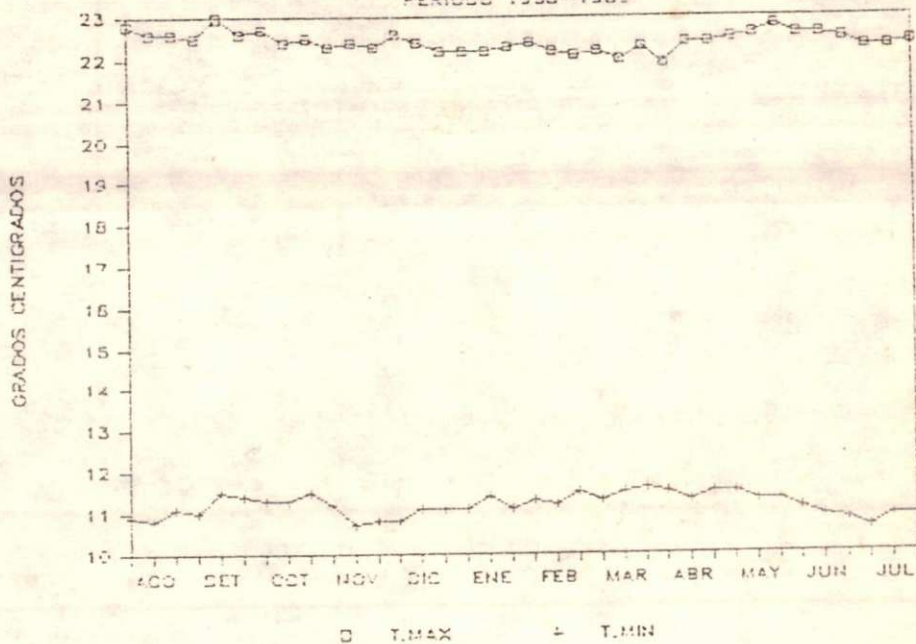
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.2	5.9	13.6	13.4	6.7	20.3	42.3	62.9	51.1	12.6	5.3	1.1
2	3.2	13.3	11.9	12.0	16.6	28.6	26.5	78.7	39.6	9.3	2.8	1.2
3	11.3	14.4	15.9	10.1	19.8	39.2	37.5	50.5	24.2	8.3	3.0	1.7

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 716.0 (mm)

SANTA CRUZ - TEMP. EXTREMAS

PERIODO 1963-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

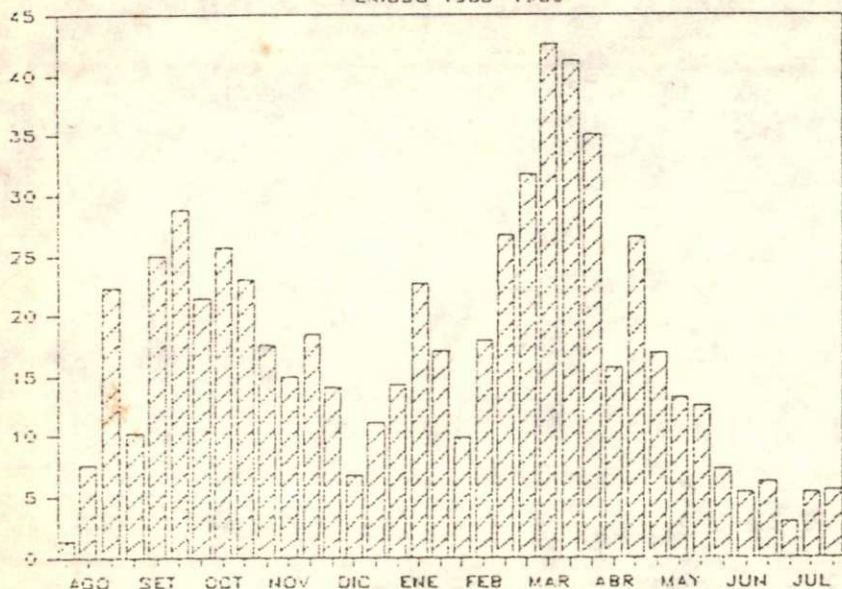
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.8	22.5	22.7	22.3	22.6	22.2	22.4	22.2	21.9	22.5	22.6	22.3
2	22.6	23.0	22.4	22.4	22.4	22.2	22.2	22.0	22.4	22.6	22.6	22.3
3	22.6	22.6	22.5	22.3	22.2	22.3	22.1	22.3	22.4	22.8	22.5	22.4

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	10.9	11.0	11.3	11.2	10.8	11.1	11.3	11.3	11.5	11.5	11.1	10.6
2	10.8	11.5	11.3	10.7	11.1	11.4	11.2	11.5	11.3	11.3	10.9	10.9
3	11.1	11.4	11.5	10.8	11.1	11.1	11.5	11.6	11.5	11.3	10.8	10.9

SANTA CRUZ - PRECIPITACION

PERIODO 1953-1960



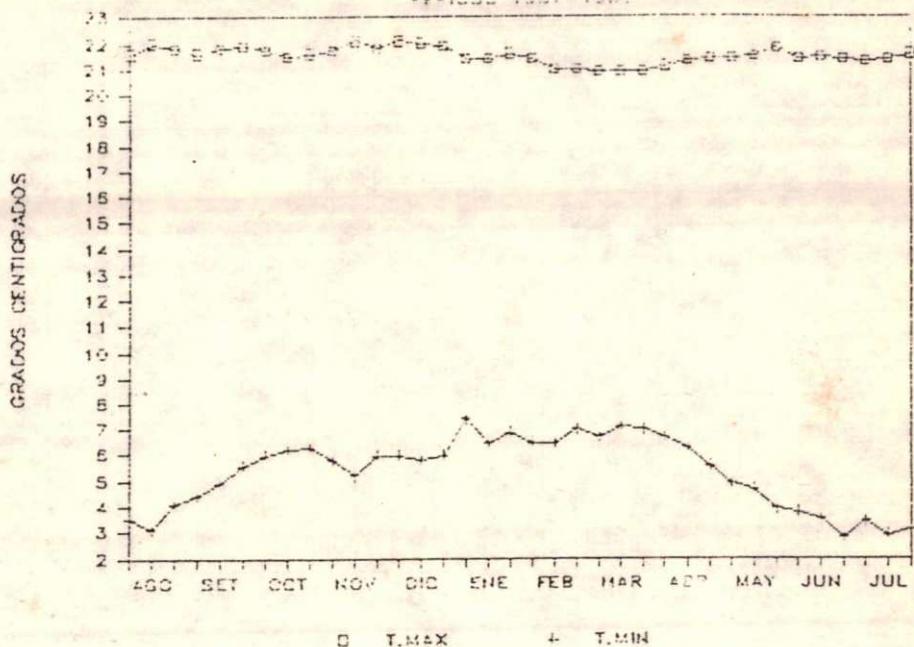
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.3	10.2	21.5	17.6	14.1	14.3	9.9	31.7	35.1	17.0	7.2	2.9
2	7.7	24.9	25.7	15.0	6.7	22.7	18.0	42.6	15.6	13.3	5.4	5.3
3	22.4	28.8	23.0	18.4	11.1	17.1	26.7	41.2	26.6	12.6	6.2	5.5

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 625.3 (mm)

CAJAMARCA - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

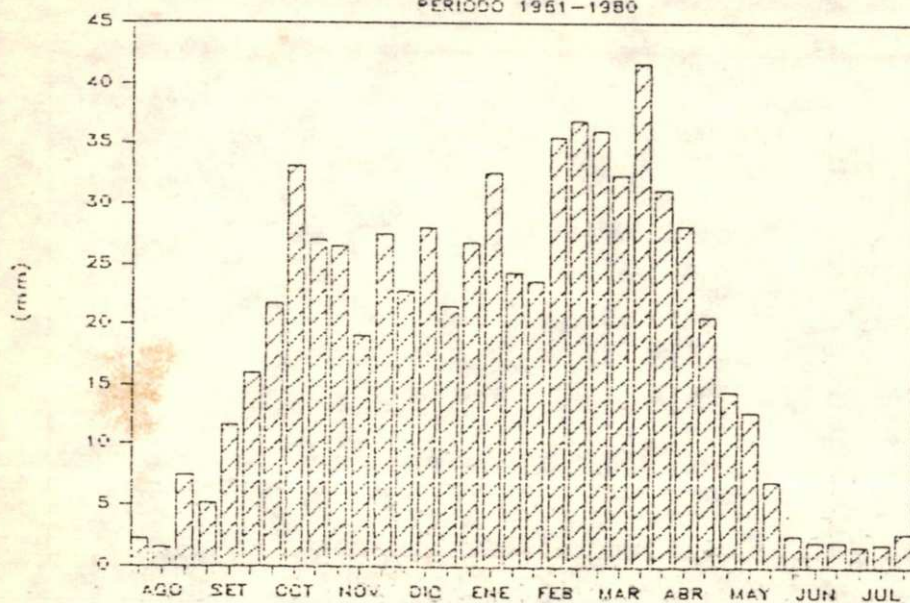
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.6	21.6	21.7	21.7	22.1	21.4	21.4	20.9	21.1	21.4	21.4	21.3
2	22.0	21.8	21.5	22.1	22.0	21.4	21.0	20.9	21.3	21.5	21.5	21.4
3	21.8	21.9	21.6	21.8	21.9	21.6	21.0	20.9	21.4	21.8	21.4	21.6

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.5	4.4	6.0	5.8	6.0	7.4	6.5	6.7	6.7	4.9	3.8	3.4
2	3.1	4.9	6.2	5.2	5.8	6.5	6.5	7.1	6.3	4.7	3.5	2.9
3	4.1	5.6	6.3	6.0	6.0	6.9	7.0	7.0	5.6	3.9	2.8	3.1

CAJAMARCA - PRECIPITACION

PERIODO 1961-1980



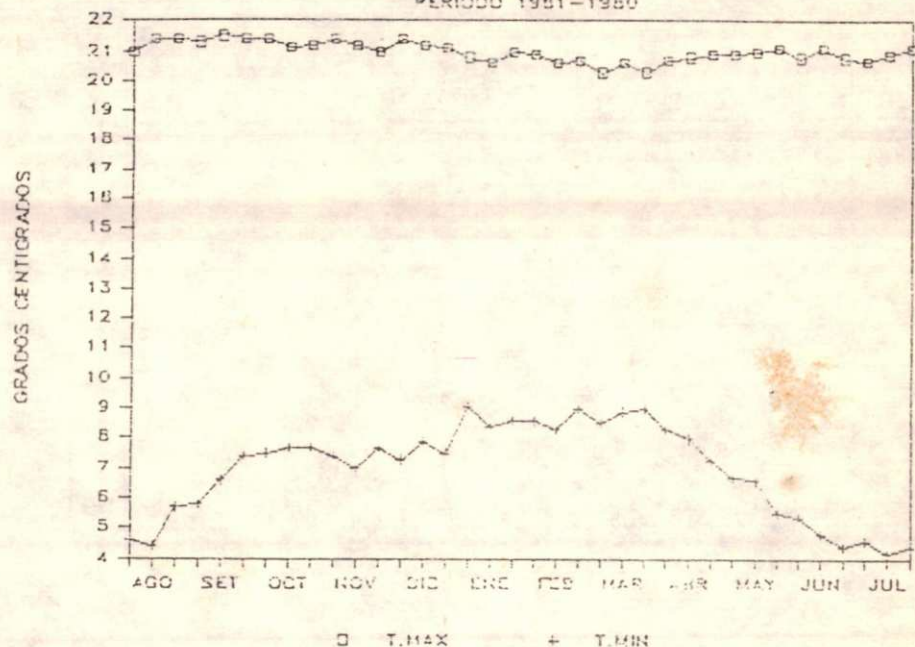
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.2	5.1	21.8	26.5	22.9	26.8	23.8	36.1	31.3	14.6	2.5	1.7
2	1.6	11.6	33.1	19.2	26.1	32.7	35.6	32.4	28.2	12.9	2.1	1.8
3	7.5	16.1	27.0	27.5	21.6	24.4	37.0	41.8	20.8	7.1	2.1	2.8

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 690.3 (mm)

WEBERBAUER -TEMP. EXTREMAS

PERIODO 1951-1950



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

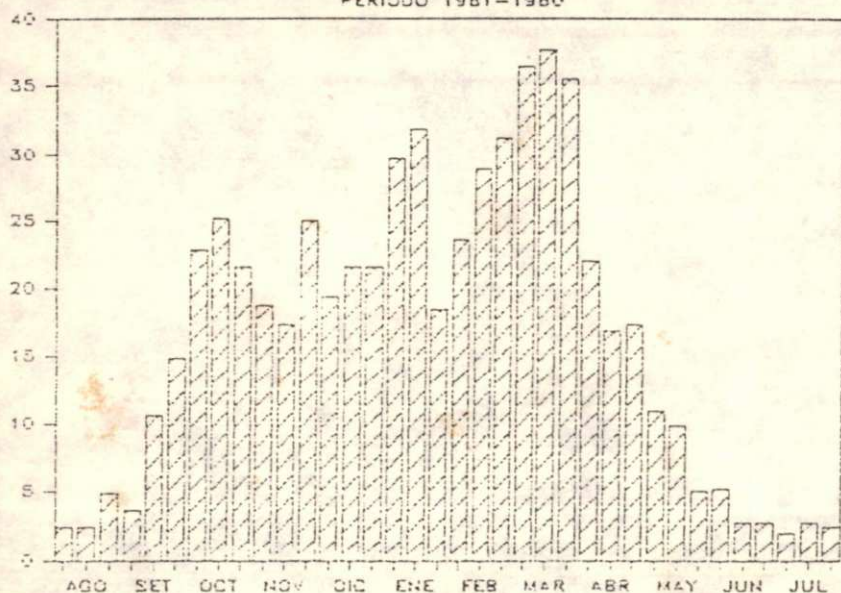
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.0	21.3	21.4	21.4	21.4	20.8	20.9	20.3	20.7	20.9	20.8	20.7
2	21.4	21.5	21.1	21.2	21.2	20.6	20.6	20.6	20.8	21.0	21.1	20.9
3	21.4	21.4	21.2	21.0	21.1	21.0	20.7	20.3	20.9	21.1	20.8	21.1

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.6	5.8	7.5	7.4	7.3	9.1	8.6	8.5	8.3	6.7	5.4	4.6
2	4.4	6.6	7.7	7.0	7.9	8.4	8.3	8.9	8.0	6.6	4.8	4.2
3	5.7	7.4	7.7	7.7	7.5	8.6	9.0	9.0	7.3	5.5	4.4	4.4

WEBERBAUER - PRECIPITACION

PERIODO 1961-1980



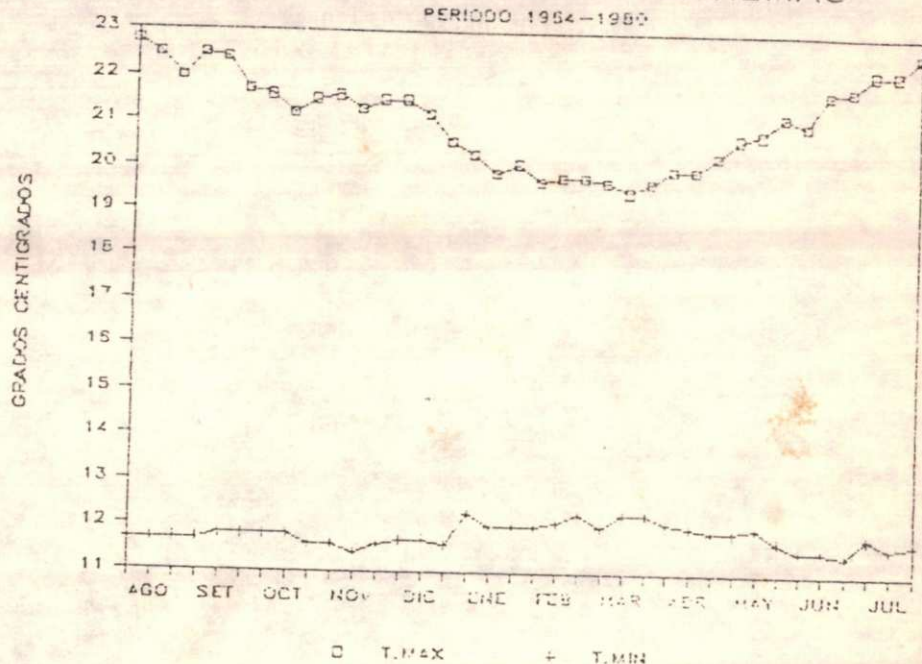
PRECIPITACION NORMAL DECADAL (mm)

AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
2.5	3.7	22.8	18.8	19.3	29.6	23.6	36.4	22.0	11.0	5.2	2.0
2.5	10.7	25.2	17.4	21.5	31.5	28.9	37.7	16.9	9.9	2.8	2.8
4.9	14.9	21.5	24.9	21.5	18.5	31.2	35.6	17.3	5.1	2.7	2.4

PRECIPITACION NORMAL DE CAMPANA AGRICOLA 605.5 (mm)

SAN JUAN - TEMP. EXTREMAS

PERIODO 1954-1960



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

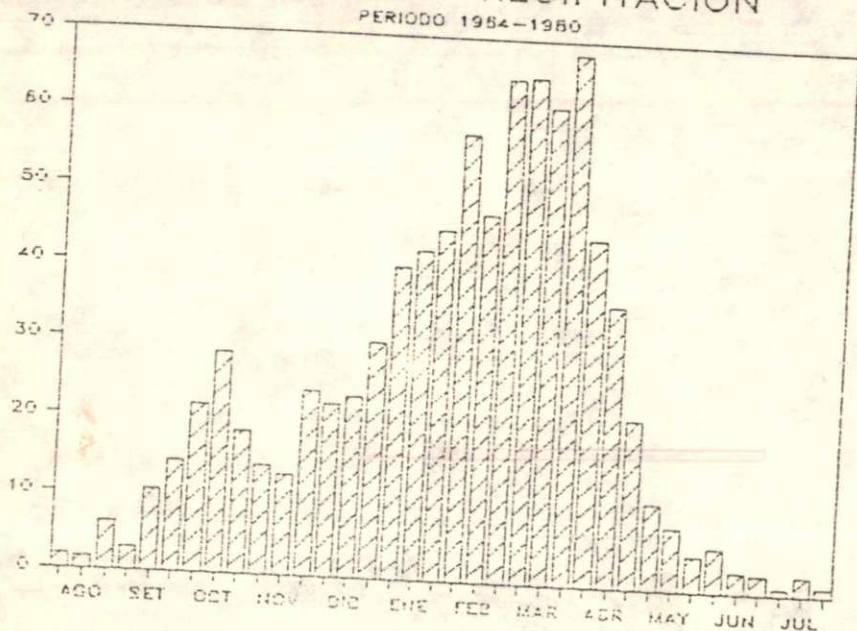
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.8	22.5	21.6	21.6	21.5	20.3	19.7	19.7	20.0	20.7	21.0	22.2
2	22.5	22.4	21.2	21.3	21.2	19.9	19.8	19.5	20.0	20.8	21.7	22.2
3	22.0	21.7	21.5	21.5	20.6	20.1	19.8	19.7	20.3	21.2	21.8	22.6

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	11.7	11.7	11.8	11.6	11.7	12.3	12.0	12.0	12.1	11.9	11.5	11.8
2	11.7	11.8	11.8	11.4	11.7	12.0	12.1	12.3	12.0	12.0	11.5	11.6
3	11.7	11.8	11.6	11.6	11.6	12.0	12.3	12.3	11.9	11.7	11.4	11.7

SAN JUAN - PRECIPITACION

PERIODO 1954-1960



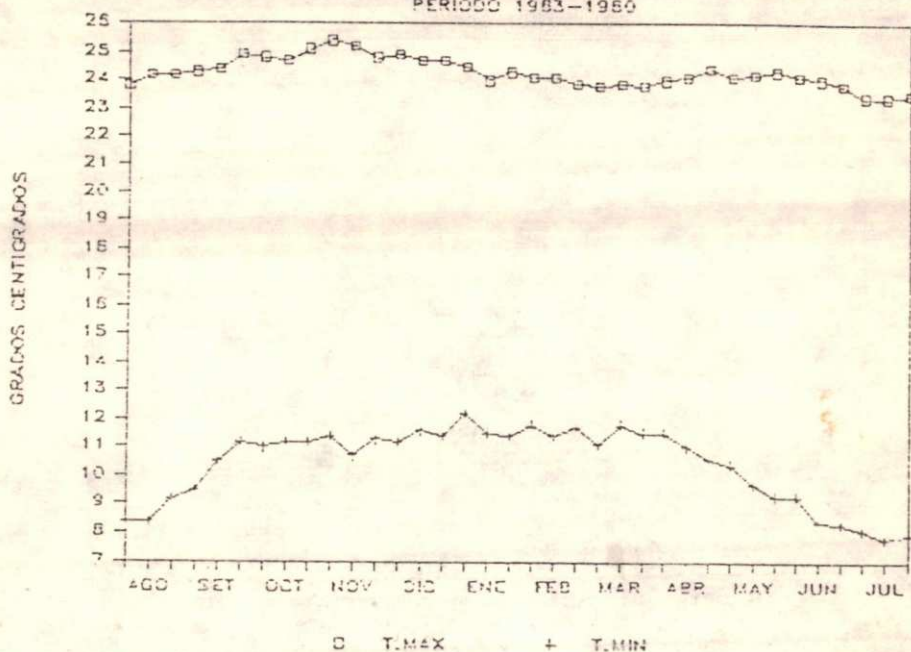
PRECIPITACION NORMAL DECADAL (mm)

AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1.8	2.8	21.6	14.1	22.2	40.1	57.6	65.1	44.5	11.0	5.6	0.6
1.6	10.4	28.6	13.0	23.4	42.3	47.1	61.4	36.2	8.0	2.5	2.4
6.2	14.3	18.4	23.8	30.4	45.1	64.8	68.5	21.6	4.6	2.3	1.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 865.1 (mm)

SAN MARCOS - TEMP. EXTREMAS

PERIODO 1963-1960



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

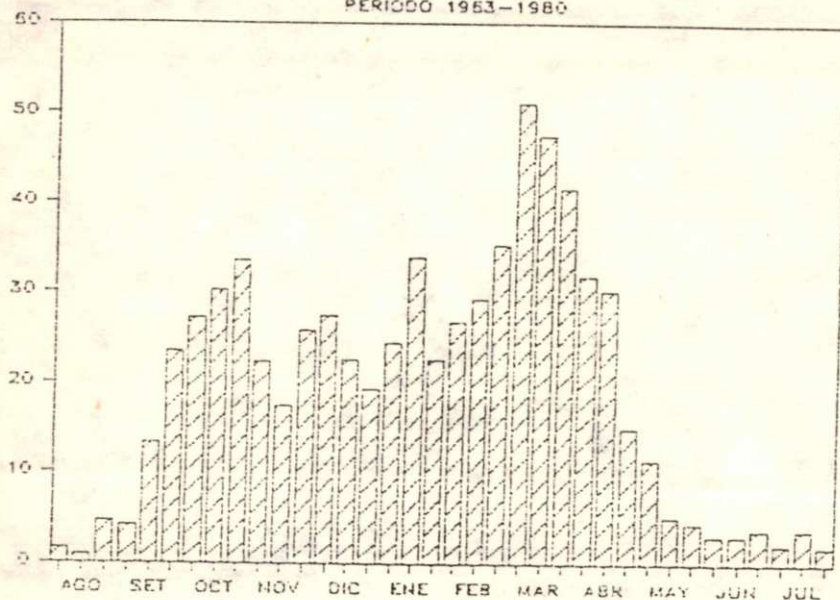
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	23.8	24.3	24.8	25.4	24.9	24.5	24.1	23.8	24.0	24.1	24.1	23.4
2	24.2	24.4	24.7	25.2	24.7	24.0	24.1	23.9	24.1	24.2	24.0	23.4
3	24.2	24.9	25.1	24.8	24.7	24.3	23.9	23.8	24.4	24.3	23.8	23.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	8.4	9.5	11.0	11.4	11.2	12.2	11.8	11.1	11.5	10.4	9.3	8.1
2	8.4	10.5	11.2	10.7	11.6	11.5	11.4	11.8	11.0	9.7	8.4	7.8
3	9.2	11.2	11.2	11.3	11.4	11.4	11.7	11.5	10.6	9.3	8.3	7.9

SAN MARCOS - PRECIPITACION

PERIODO 1963-1980



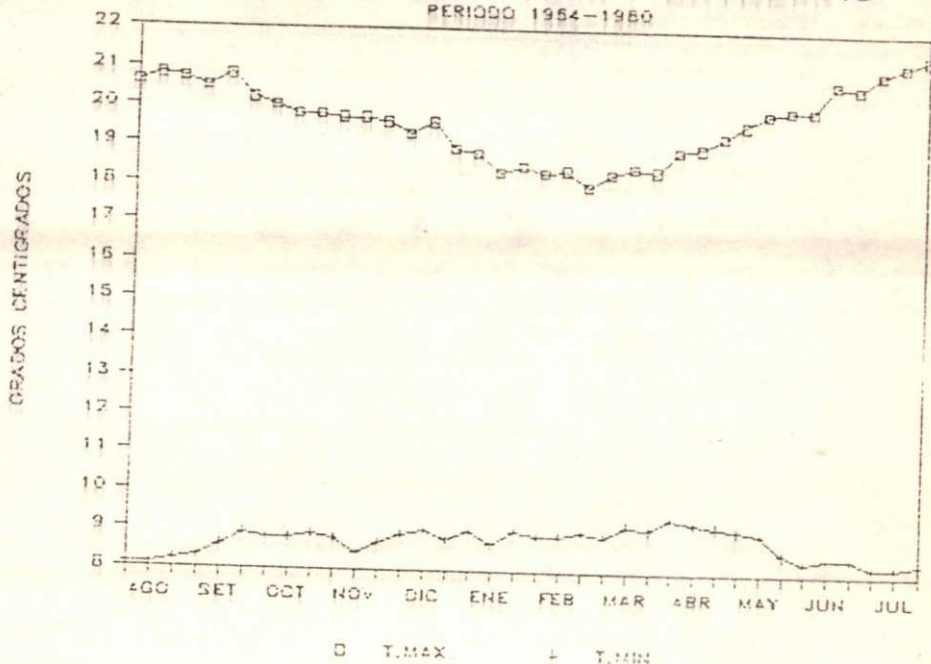
PRECIPITACION NORMAL DECADAL (mm)

AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1.5	4.1	27.3	22.3	27.4	24.5	26.7	51.2	31.8	11.3	2.9	2.1
0.8	13.3	30.2	17.4	22.5	34.0	29.2	47.6	30.2	5.0	2.9	3.7
4.6	23.5	33.5	25.9	19.3	22.5	35.4	41.7	14.9	4.3	3.7	1.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 701.1 (mm)

CONTUMAZA - TEMP. EXTREMAS

PERIODO 1954-1960



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

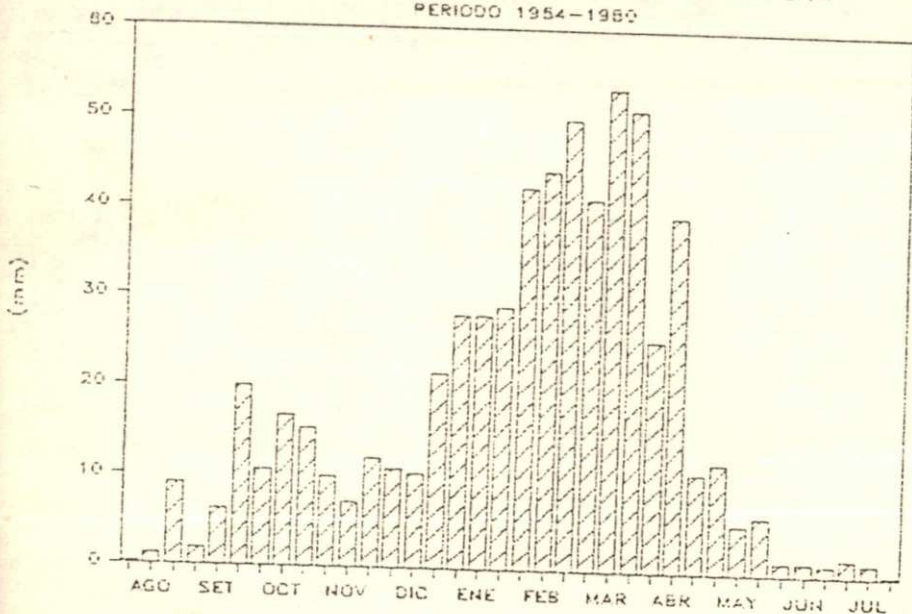
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.6	20.5	20.0	19.7	19.3	18.8	18.3	18.3	18.9	19.6	20.0	21.0
2	20.8	20.8	19.8	19.7	19.6	18.3	18.4	18.5	19.0	19.9	20.7	21.2
3	20.7	20.2	19.8	19.6	18.9	18.5	18.0	18.4	19.3	20.0	20.6	21.4

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	8.1	8.3	8.8	8.8	8.9	9.0	8.9	8.9	9.4	9.1	8.3	8.2
2	8.1	8.6	8.8	8.4	9.0	8.7	8.9	9.2	9.3	9.0	8.4	8.2
3	8.2	8.9	8.9	8.7	8.8	9.0	9.0	9.1	9.2	8.5	8.4	8.3

CONTUMAZA - PRECIPITACION

PERIODO 1954-1980



PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.1	1.9	10.6	9.9	10.8	28.2	42.3	41.2	25.7	12.0	1.3	1.9
2	1.1	6.3	16.7	7.2	10.4	28.2	44.2	53.5	39.3	5.2	1.2	1.3
3	8.9	23.0	19.2	12.1	21.7	39.1	50.0	51.3	11.0	6.0	1.0	0.1

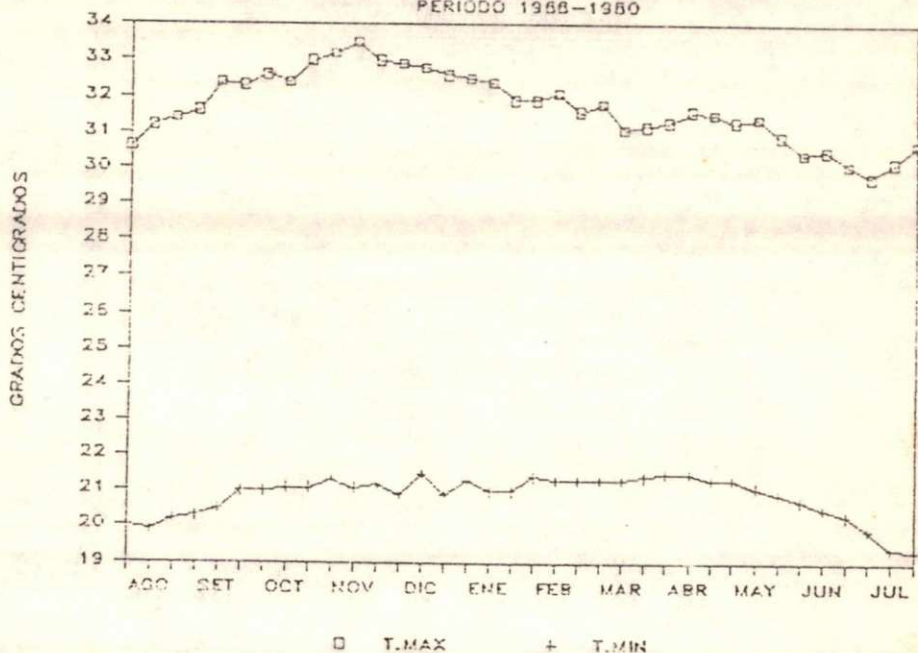
PRECIPITACION NORMAL DE CAMPARA AGRICOLA 627.2 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE AMAZONAS

HOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD M
LA FECA	SAGUA	EL PARCO	5:35	78:23	522
CHACHAPOYAS	CHACHAPOYAS	CHACHAPOYAS	6:14	77:49	1834

LA PECA - TEMP. EXTREMAS

PERIODO 1968-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

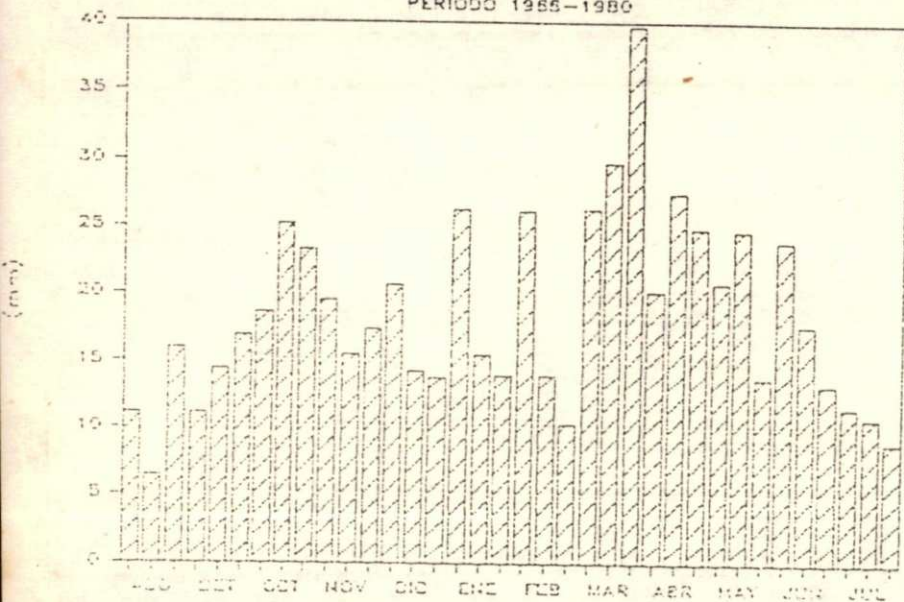
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	30.6	31.6	32.6	33.2	32.9	32.5	31.9	31.8	31.3	31.3	30.4	29.8
2	31.2	32.4	32.4	33.5	32.8	32.4	32.1	31.1	31.6	31.4	30.5	30.2
3	31.4	32.3	33.0	33.0	32.6	31.9	31.6	31.2	31.5	30.9	30.1	30.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.0	20.3	21.0	21.3	20.9	21.3	21.4	21.3	21.5	21.3	20.7	19.9
2	19.9	20.5	21.1	21.1	21.5	21.0	21.3	21.3	21.5	21.1	20.5	19.4
3	20.2	21.0	21.1	21.2	20.9	21.0	21.3	21.4	21.3	20.9	20.3	19.3

LA PECA - PRECIPITACION

PERIODO 1955-1986



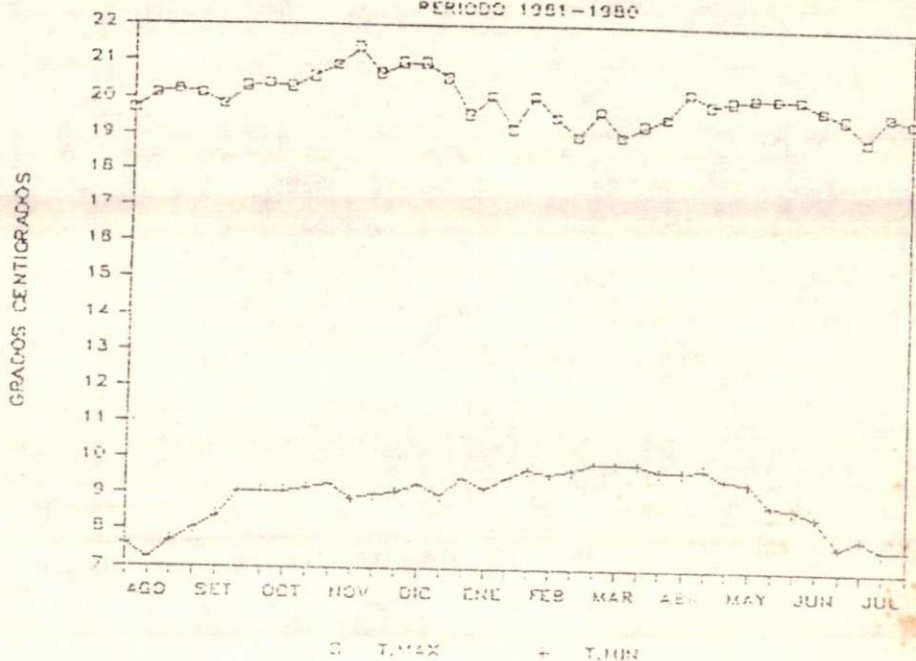
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	11.1	11.1	18.6	19.6	20.6	26.2	26.1	26.2	20.2	20.8	23.9	11.6
2	6.5	14.4	25.1	15.5	14.2	15.5	14.0	29.6	27.5	24.7	17.7	10.6
3	10.0	16.9	23.1	17.4	13.8	13.9	10.3	39.8	24.8	13.7	13.3	8.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 663.6 (mm)

CHACHAPOYAS - TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

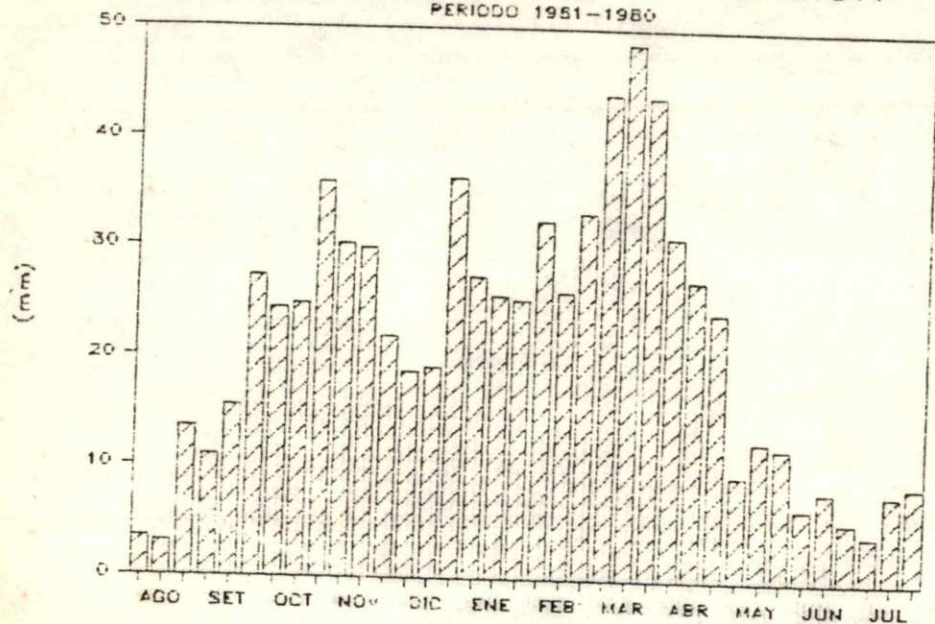
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.7	20.1	20.4	20.9	21.0	19.6	20.1	19.7	19.5	20.0	20.1	19.0
2	20.1	19.8	20.3	21.4	21.0	20.1	19.5	19.0	20.2	20.1	19.8	19.7
3	20.2	20.3	20.3	20.7	20.6	19.2	19.0	19.3	19.9	20.1	19.6	19.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	7.6	8.0	9.1	9.3	9.1	9.5	9.7	9.9	9.7	9.5	8.7	7.9
2	7.2	8.4	9.1	8.9	9.3	9.2	9.6	9.9	9.7	9.4	8.5	7.6
3	7.7	9.1	9.2	9.0	9.0	9.5	9.7	9.9	9.8	8.8	7.7	7.6

CHACHAPOYAS - PRECIPITACION

PERIODO 1951-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.5	11.1	24.4	30.2	18.5	27.3	32.4	44.0	31.0	9.4	6.6	4.3
2	3.1	15.4	24.9	29.9	19.0	25.6	26.0	48.8	27.2	12.5	8.1	7.9
3	13.5	27.3	35.9	21.8	36.3	25.1	33.1	43.9	24.2	12.0	5.4	8.6

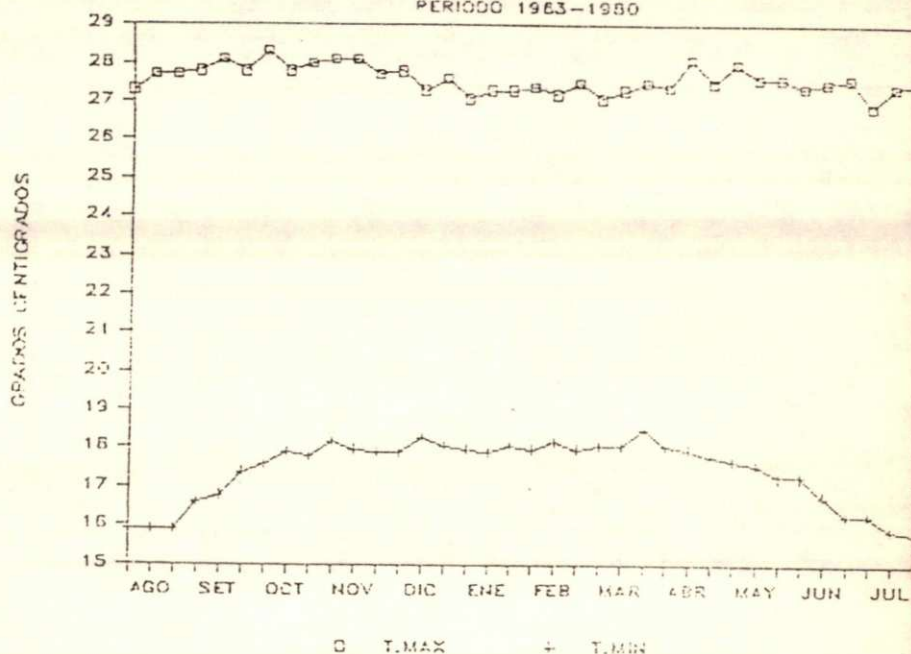
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 778.2 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE SAN MARTIN

OMBRE	PROVINCIA	DISTRITO	LATITUD	LONGITUD	ALTITUD
		POLITICO	° ' S	° ' W	m
RIOJA	RIOJA	RIOJA	6:02	77:09	848
MOYOBAMBA	MOYOBAMBA	MOYOBAMBA	6:02	76:58	860
NAVARRO	SAN MARTIN	CHIPURANA	6:21	75:45	195
TARAPOTO	SAN MARTIN	TARAPOTO	6:31	76:23	56 ²
EL PORVENIR	SAN MARTIN	JUAN GUERRA	6:38	76:21	330
JUANJUI	MOAL. CACERES	JUANJUI	7:06	76:44	314

RIOJA - TEMP. EXTREMAS

PERIODO 1963-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

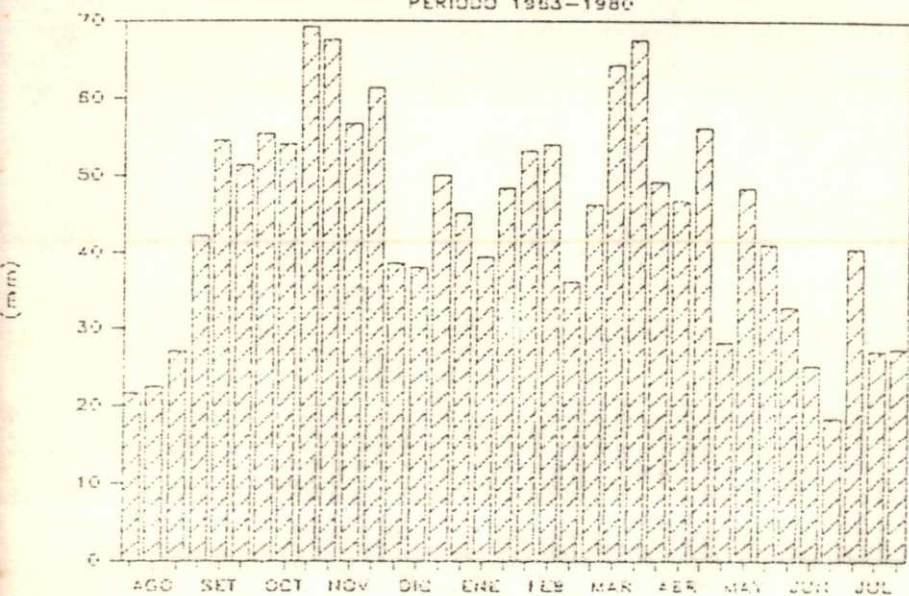
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	27.3	27.8	28.3	28.1	27.8	27.1	27.4	27.1	27.4	28.0	27.4	26.9
2	27.7	28.1	27.8	28.1	27.3	27.3	27.2	27.3	28.1	27.6	27.5	27.4
3	27.7	27.8	28.0	27.7	27.6	27.3	27.5	27.5	27.5	27.6	27.6	27.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.9	16.6	17.6	18.2	17.9	18.0	18.0	18.1	18.1	17.7	17.3	16.3
2	15.9	16.8	17.9	18.0	18.3	17.9	18.2	18.1	18.0	17.6	16.8	15.9
3	15.9	17.4	17.8	17.9	18.1	18.1	18.0	18.5	17.8	17.3	16.3	15.8

RIOJA — PRECIPITACION

PERIODO 1953-1980



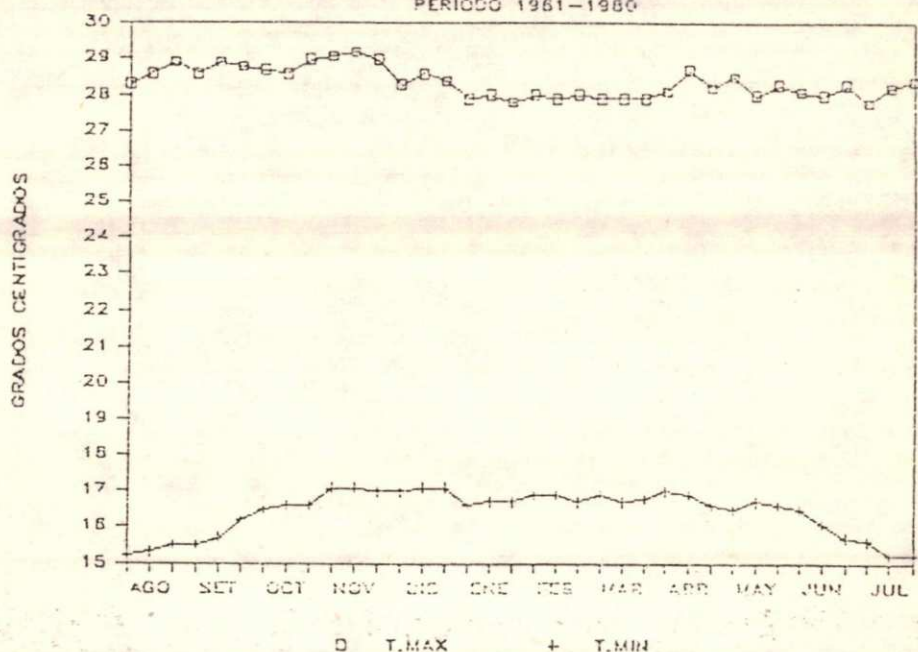
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.7	42.1	55.5	67.6	38.6	45.1	53.2	46.1	49.2	28.1	32.9	40.5
2	22.4	54.6	54.1	56.9	38.1	39.4	54.1	64.3	46.6	48.4	25.3	27.2
3	27.1	51.3	59.3	61.3	50.0	48.3	30.0	67.6	50.2	40.9	18.3	27.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 1605.6 (mm)

MOYOBAMBA -TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

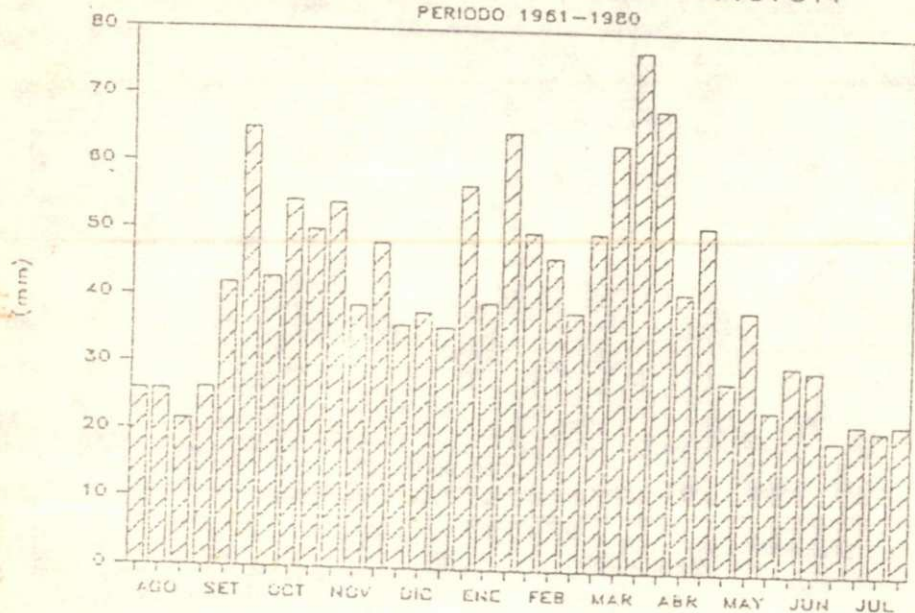
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	28.3	28.6	28.7	29.1	28.3	27.9	28.0	27.9	28.1	28.5	28.1	27.8
2	28.6	28.9	28.6	29.2	28.6	28.0	27.9	27.9	28.7	28.0	28.0	28.2
3	28.9	28.8	29.0	29.0	28.4	27.8	28.0	27.9	28.2	28.3	28.3	28.4

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.2	15.5	16.5	17.1	17.0	16.6	16.9	16.9	17.0	16.5	16.5	15.6
2	15.3	15.7	16.6	17.1	17.1	16.7	16.9	16.7	16.9	16.7	16.1	15.2
3	15.5	16.2	16.6	17.0	17.1	16.7	16.7	16.8	16.6	16.6	15.7	15.2

MOYOBAMBA - PRECIPITACION

PERIODO 1961-1980



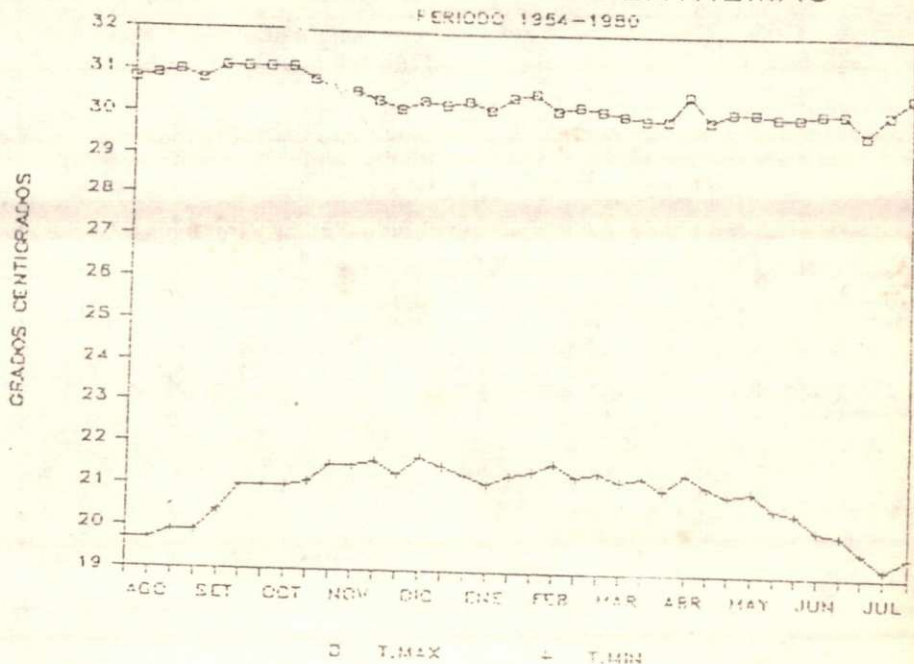
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	26.0	26.2	42.7	54.1	36.0	56.7	50.0	49.8	68.7	28.1	30.7	22.4	
2	26.1	42.0	54.4	38.6	38.0	39.3	46.3	63.4	41.3	38.8	30.1	21.5	
3	21.6	65.2	50.0	40.1	35.0	65.0	20.2	77.2	51.1	24.1	19.8	22.4	

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 1469.5 (mm)

NAVARRO - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

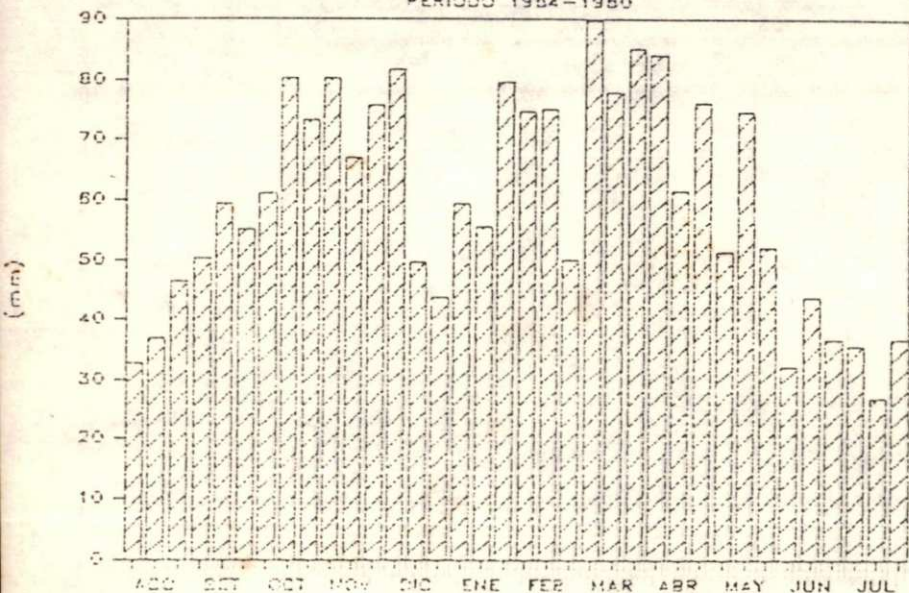
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	30.8	30.8	31.1	30.6	30.2	30.4	30.6	30.2	30.0	30.2	30.1	29.7
2	30.9	31.1	31.1	30.6	30.4	30.2	30.2	30.1	30.6	30.2	30.2	30.2
3	31.0	31.1	30.8	30.4	30.3	30.5	30.3	30.0	30.0	30.1	30.2	30.6

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.7	19.9	21.0	21.5	21.3	21.3	21.4	21.4	21.0	20.9	20.5	19.6
2	19.7	20.4	21.0	21.5	21.7	21.1	21.6	21.2	21.4	21.0	20.1	19.2
3	19.9	21.0	21.1	21.6	21.5	21.3	21.3	21.3	21.1	20.6	20.0	19.5

NAVARRO - PRECIPITACION

PERIODO 1954-1980



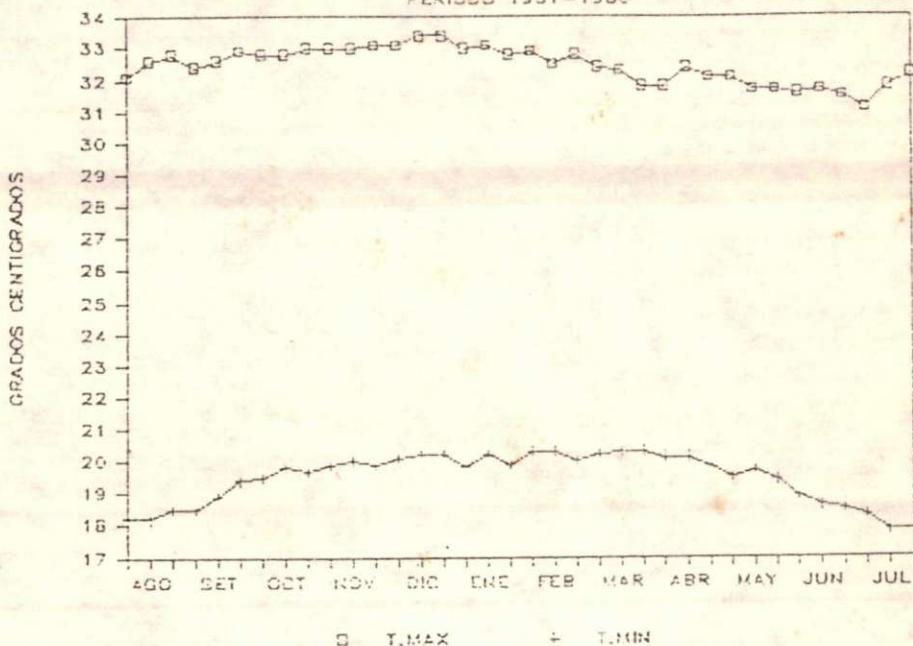
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	32.7	50.1	61.2	80.2	81.8	59.5	74.6	89.6	84.2	51.2	32.1	35.5	
2	36.6	55.3	80.2	67.0	49.6	55.4	75.0	77.9	61.6	74.7	43.5	26.8	
3	46.3	55.3	73.2	75.8	43.7	79.7	50.0	85.3	76.0	52.0	36.5	36.5	

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 2151.0 (mm)

TARAPOTO - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

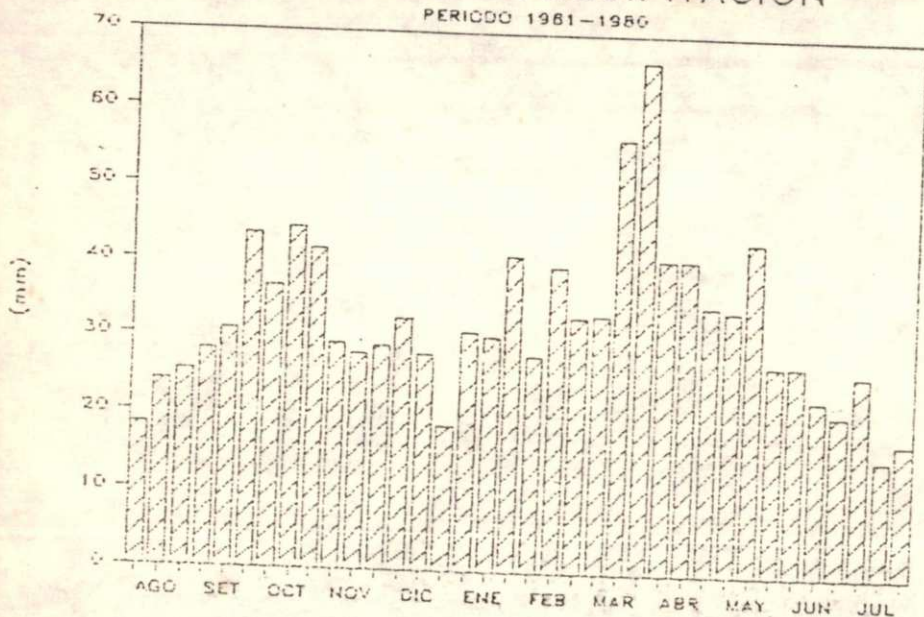
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	32.1	32.4	32.8	33.0	33.1	33.0	32.9	32.4	31.8	32.1	31.6	31.1
2	32.6	32.6	32.8	33.0	33.4	33.1	32.5	32.3	32.4	31.7	31.7	31.8
3	32.6	32.5	33.0	33.1	33.4	32.8	32.8	31.8	32.1	31.7	31.5	32.2

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.2	18.5	19.5	19.9	20.1	19.8	20.3	20.2	20.1	19.5	18.9	18.3
2	18.2	18.9	19.8	20.0	20.2	20.2	20.3	20.3	20.1	19.7	18.6	17.8
3	18.5	19.4	19.7	19.9	20.2	19.9	20.0	20.3	19.8	19.4	18.5	17.8

TARAPOTO - PRECIPITACION

PERIODO 1961-1960



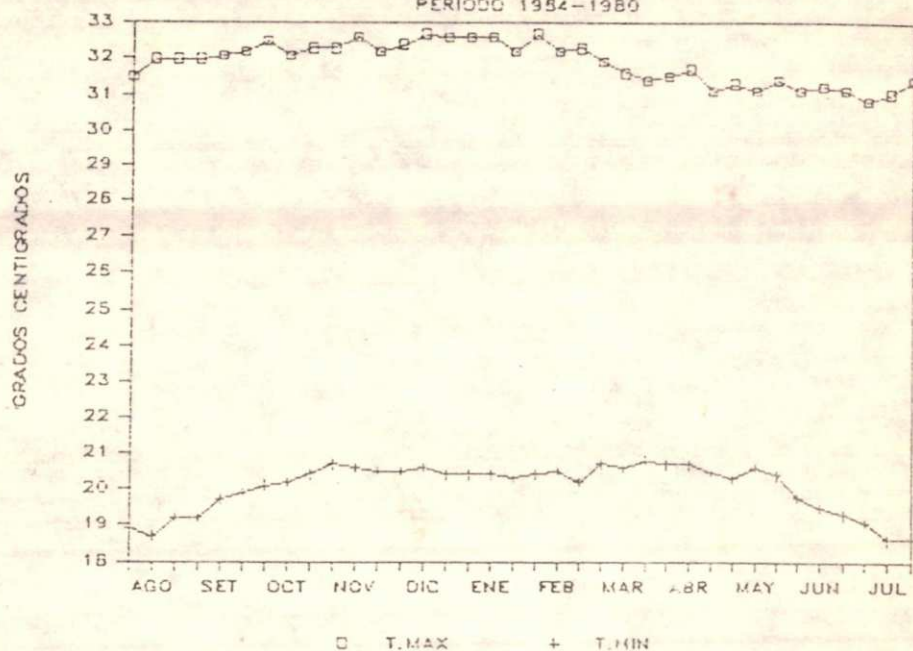
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.3	28.2	36.6	29.2	32.6	30.9	27.8	33.3	40.7	34.3	27.2	25.9
2	24.1	30.8	44.2	27.8	27.8	30.3	39.6	56.4	40.7	43.1	22.9	15.1
3	25.5	43.5	41.6	29.0	18.6	41.0	33.2	66.5	34.7	27.2	20.9	17.3

PRECIPITACION NORMAL DE CAMPARA AGRICOLA 1167.0 (mm)

EL PORVENIR - TEMP. EXTREMAS

PERIODO 1984-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

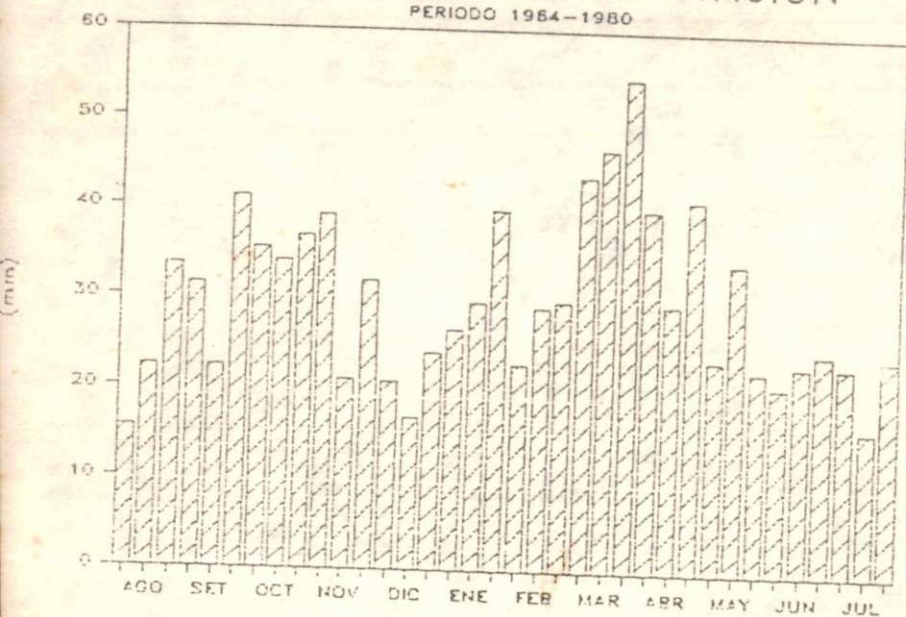
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	31.5	32.0	32.5	32.3	32.4	32.6	32.7	31.9	31.5	31.3	31.1	30.8
2	32.0	32.1	32.1	32.6	32.7	32.6	32.2	31.6	31.7	31.1	31.2	31.0
3	32.0	32.2	32.3	32.2	32.6	32.2	32.3	31.4	31.1	31.4	31.1	31.4

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.9	19.2	20.1	20.7	20.5	20.4	20.4	20.7	20.7	20.3	19.8	19.1
2	18.7	19.7	20.2	20.6	20.6	20.4	20.5	20.6	20.7	20.6	19.5	18.6
3	19.2	19.9	20.4	20.5	20.4	20.3	20.2	20.8	20.5	20.4	19.3	18.6

EL PORVENIR - PRECIPITACION

PERIODO 1964-1980



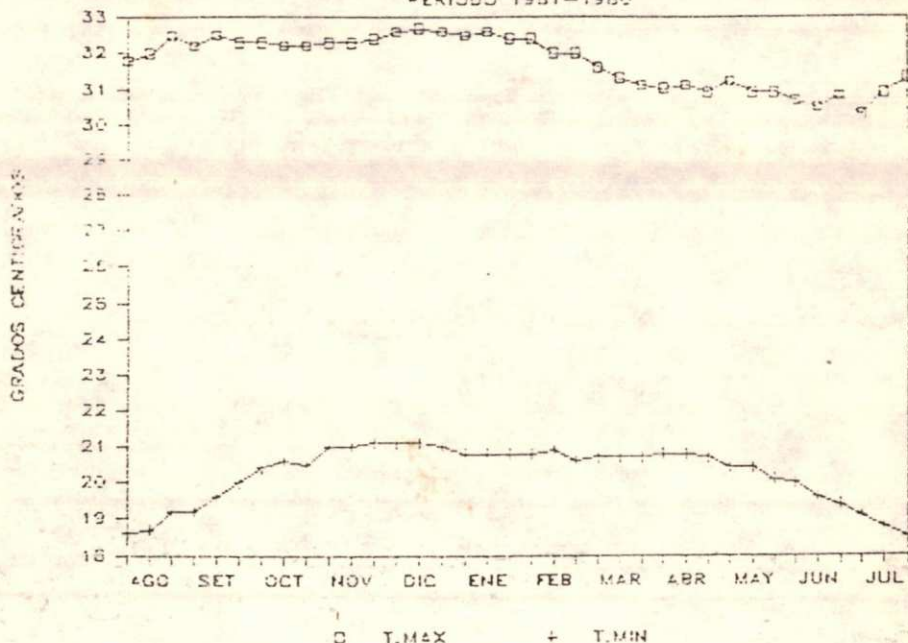
PRECIPITACION NORMAL DECADAL (mm)

AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
15.5	31.5	35.4	39.1	20.7	26.5	22.7	43.8	40.1	23.5	20.7	23.0
22.4	22.4	34.0	21.0	16.8	29.5	29.1	46.9	29.6	34.3	23.1	16.0
33.6	41.1	36.8	31.8	24.0	39.8	29.7	54.8	41.3	22.4	24.3	23.9

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 1071.1 (mm)

JUANJUI - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

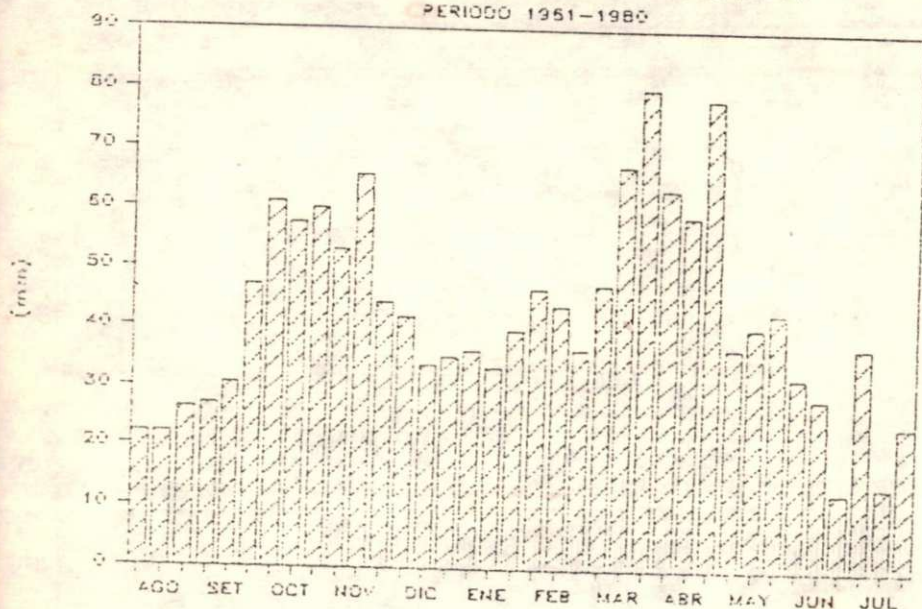
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	31.8	32.2	32.3	32.3	32.6	32.5	32.4	31.6	31.0	31.2	30.7	30.3
2	32.0	32.5	32.2	32.3	32.7	32.6	32.0	31.3	31.1	30.9	30.5	30.9
3	32.5	32.3	32.2	32.4	32.6	32.4	32.0	31.1	30.9	30.9	30.8	31.3

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.6	19.2	20.4	21.0	21.1	20.8	20.8	20.7	20.8	20.4	20.0	19.1
2	18.7	19.6	20.6	21.0	21.1	20.8	20.9	20.7	20.8	20.4	19.6	18.8
3	19.2	20.0	20.5	21.1	21.0	20.8	20.6	20.7	20.7	20.1	19.4	18.5

JUANJUI - PRECIPITACION

PERIODO 1961-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.4	27.2	61.2	53.1	41.7	36.1	46.6	47.6	63.7	36.8	32.2	37.3
2	22.4	39.7	57.5	65.8	33.8	33.6	44.0	67.3	59.0	40.3	28.7	13.9
3	26.4	47.0	60.2	44.4	35.3	39.8	36.5	80.3	78.6	43.0	12.7	24.1

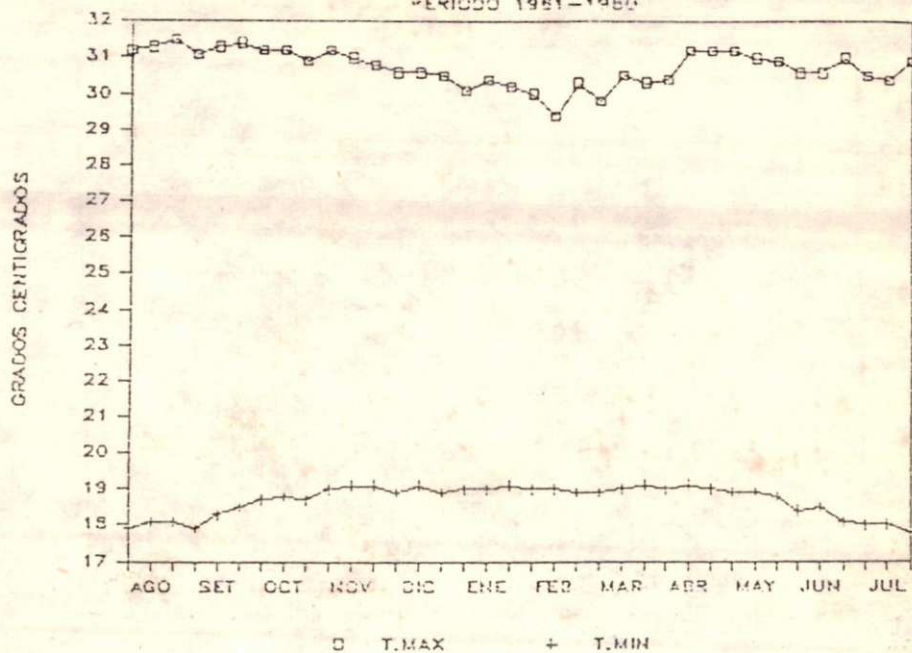
PRECIPITACION NORMAL DE CAMPARA AGRICOLA 1531.2 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE HUANUCO

NOBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
TINGO MARIA	L. PRADO	RUPA-RUPA	9:18	76:01	664
HUANUCO	HUANUCO	HUANUCO	9:48	76:16	1859
CAYHUAYNA	HUANUCO	HUANUCO	9:56	76:14	1894
AMBO	AMBO	AMBO	10:08	76:12	2111
SAN RAFAEL	AMBO	SAN RAFAEL	10:20	76:10	2600

TINGO MARIA - TEMP. EXTREMAS

PERIODO 1951-1960



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

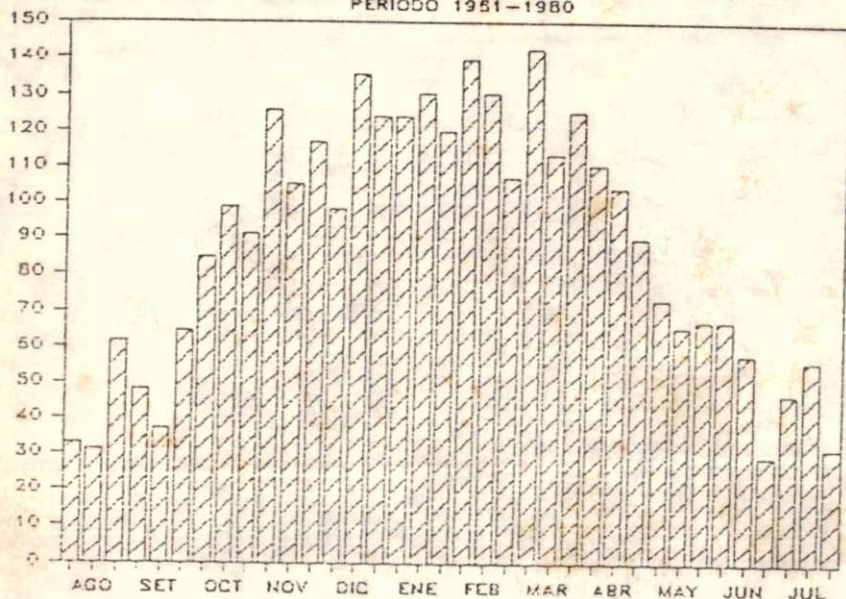
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	31.2	31.1	31.2	31.2	30.6	30.1	30.0	29.8	30.4	31.2	30.6	30.5
2	31.3	31.3	31.2	31.0	30.6	30.4	29.4	30.5	31.2	31.0	30.6	30.4
3	31.5	31.4	30.9	30.8	30.5	30.2	30.3	30.3	31.2	30.9	31.0	30.9

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	17.9	17.9	18.7	19.0	18.9	19.0	19.0	18.9	19.0	18.9	18.4	18.0
2	18.1	18.3	18.8	19.1	19.1	19.0	19.0	19.0	19.1	18.9	18.5	18.0
3	18.1	18.5	18.7	19.1	18.9	19.1	18.9	19.1	19.0	18.8	18.1	17.8

TINGO MARIA - PRECIPITACION

PERIODO 1951-1980



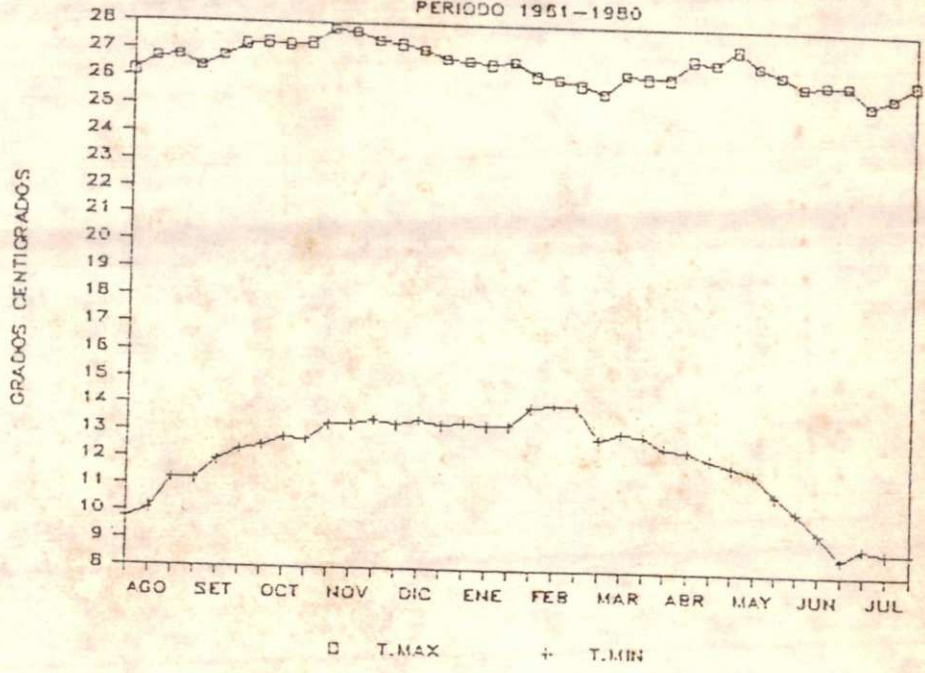
PRECIPITACION NORMAL DECADAL (mm)

Month	Normal Precipitation (mm)
AGO	33.3
SET	48.2
OCT	85.1
NOV	125.9
DIC	98.4
ENE	124.0
FEB	140.0
MAR	142.8
ABR	110.5
MAY	73.0
JUN	29.4
JUL	47.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 3191.9 (mm)

HUANUCO - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

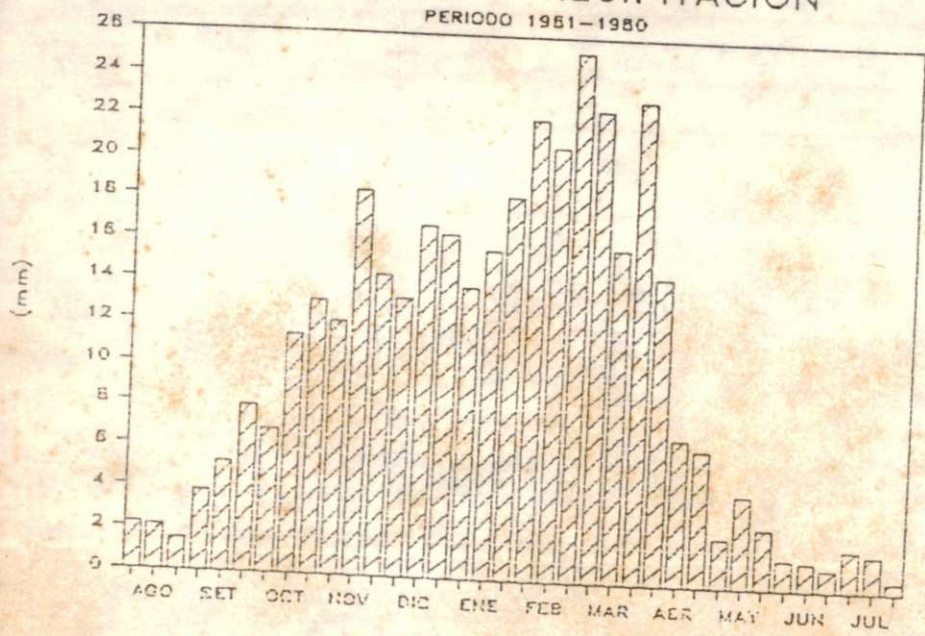
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	26.2	26.4	27.3	27.8	27.3	26.7	26.2	25.6	26.2	27.3	26.0	25.4
2	26.7	26.8	27.2	27.7	27.1	26.6	26.1	26.3	26.9	26.7	26.1	25.7
3	26.8	27.2	27.3	27.4	26.8	26.7	25.9	26.2	26.8	26.4	26.1	26.2

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	9.8	11.2	12.5	13.5	13.3	13.4	14.0	12.9	12.6	11.9	10.3	9.0
2	10.1	11.9	12.8	13.3	13.5	13.3	14.1	13.1	12.5	11.7	9.5	8.8
3	11.2	12.3	12.7	13.5	13.3	13.3	14.1	13.0	12.2	10.9	8.6	8.8

HUANUCO - PRECIPITACION

PERIODO 1961-1980

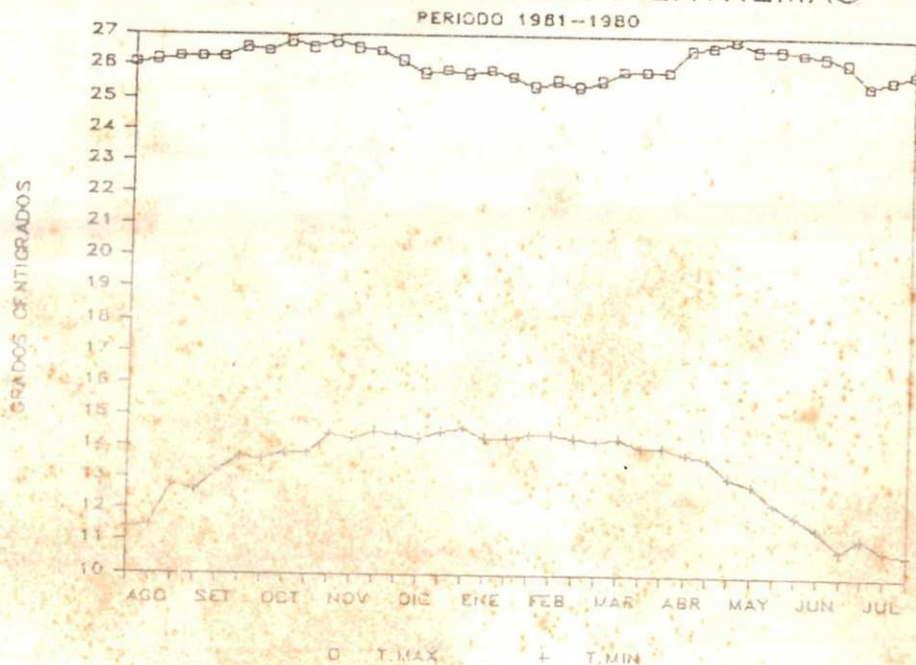


PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.2	3.8	6.8	12.1	13.3	13.9	22.1	22.6	14.6	2.3	1.4	1.9
2	2.1	5.2	11.4	18.5	16.8	15.7	20.8	15.9	6.9	4.3	1.3	1.7
3	1.5	7.9	13.1	14.4	16.4	18.4	25.3	23.1	6.4	2.6	1.0	0.5

PRECIPITACION NORMAL DE CAMPANA AGRICOLA 368.4 (mm)

CAYHUAYNA - TEMP. EXTREMAS



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

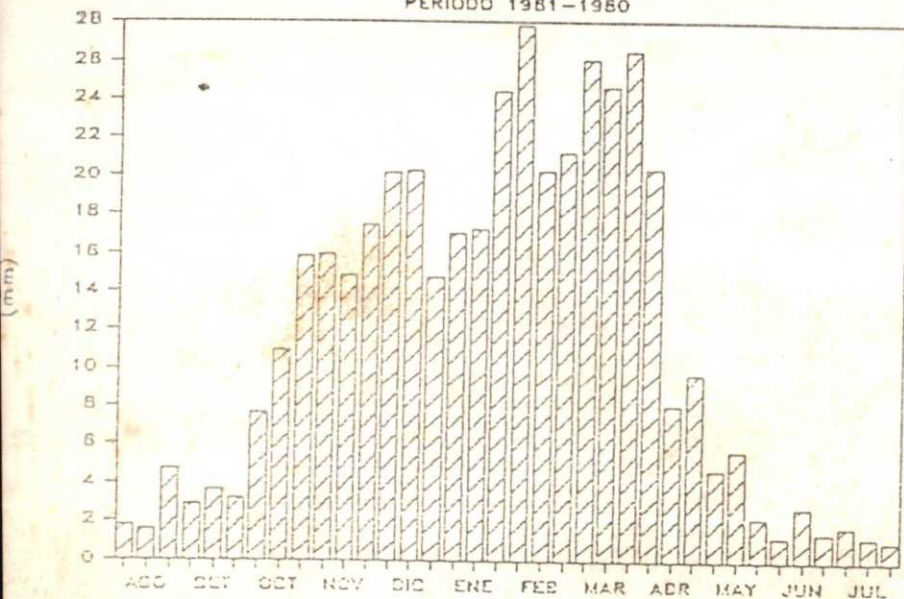
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	25.1	26.3	26.5	26.8	26.2	25.8	25.4	25.6	25.9	26.9	26.5	25.5
2	26.2	26.3	26.8	26.6	25.8	25.9	25.6	25.9	26.6	26.6	26.4	25.7
3	26.3	26.6	26.6	26.5	25.9	25.7	25.4	25.9	26.7	26.6	26.2	25.9

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	11.4	12.6	13.6	14.4	14.4	14.6	14.4	14.2	14.0	13.1	11.9	11.2
2	11.5	13.2	13.8	14.3	14.3	14.3	14.4	14.3	13.8	12.9	11.5	10.8
3	12.8	13.7	13.8	14.5	14.5	14.3	14.3	14.0	13.7	12.3	10.8	10.7

CAYHUAYNA - PRECIPITACION

PERIODO 1981-1980



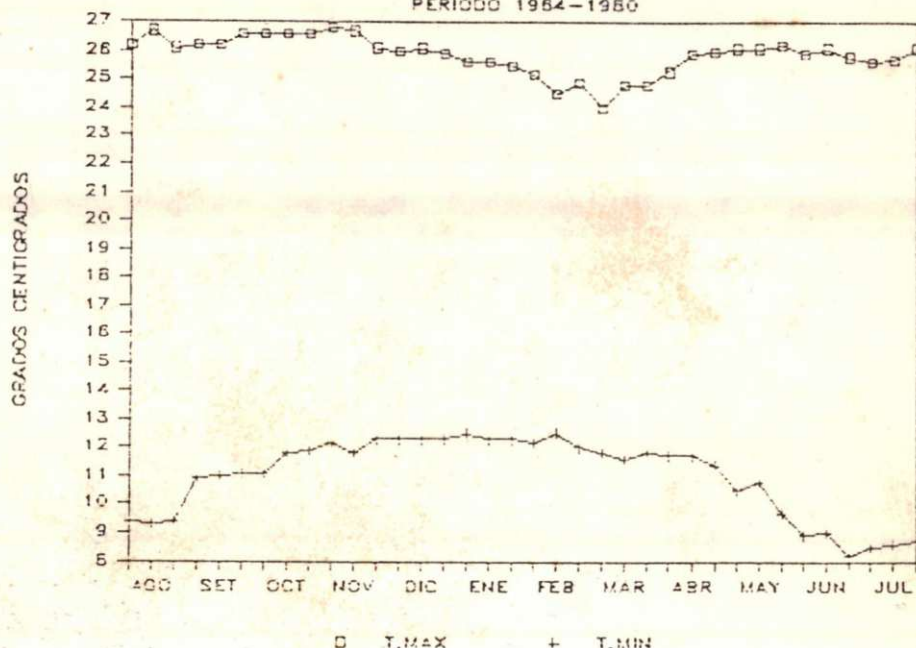
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.6	2.9	7.7	16.0	20.2	17.1	27.8	26.1	20.4	4.8	1.3	1.8
2	1.6	3.7	11.0	14.9	20.3	17.3	20.3	24.7	8.1	5.7	2.8	1.3
3	4.8	3.2	15.9	17.5	14.8	24.5	21.3	26.5	9.7	2.2	1.5	1.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 422.6 (mm)

AMBO - TEMP. EXTREMAS

PERIODO 1964-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

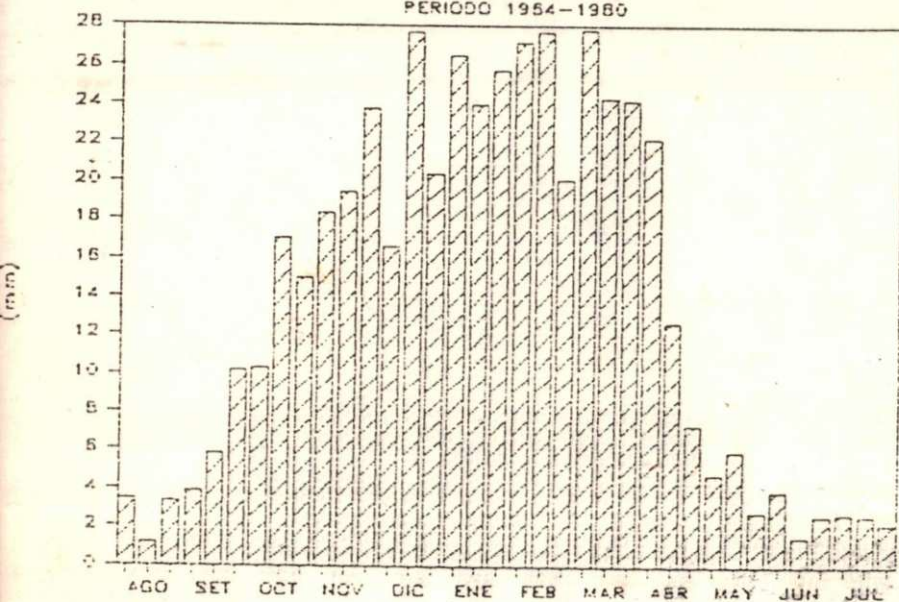
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	26.2	26.2	26.6	26.8	26.0	25.6	25.2	24.0	25.3	26.1	25.9	25.6
2	26.7	26.2	26.6	26.7	26.1	25.6	24.5	24.8	25.9	26.1	26.1	25.7
3	26.1	26.6	26.6	26.1	25.9	25.5	24.9	24.8	26.0	26.2	25.8	26.1

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	9.4	10.9	11.1	12.2	12.3	12.5	12.2	11.8	11.7	10.5	8.9	8.5
2	9.3	11.0	11.8	11.8	12.3	12.3	12.5	11.6	11.7	10.8	9.0	8.6
3	9.4	11.1	11.9	12.3	12.3	12.3	12.0	11.8	11.4	9.7	8.2	8.7

AMBO — PRECIPITACION

PERIODO 1954-1980



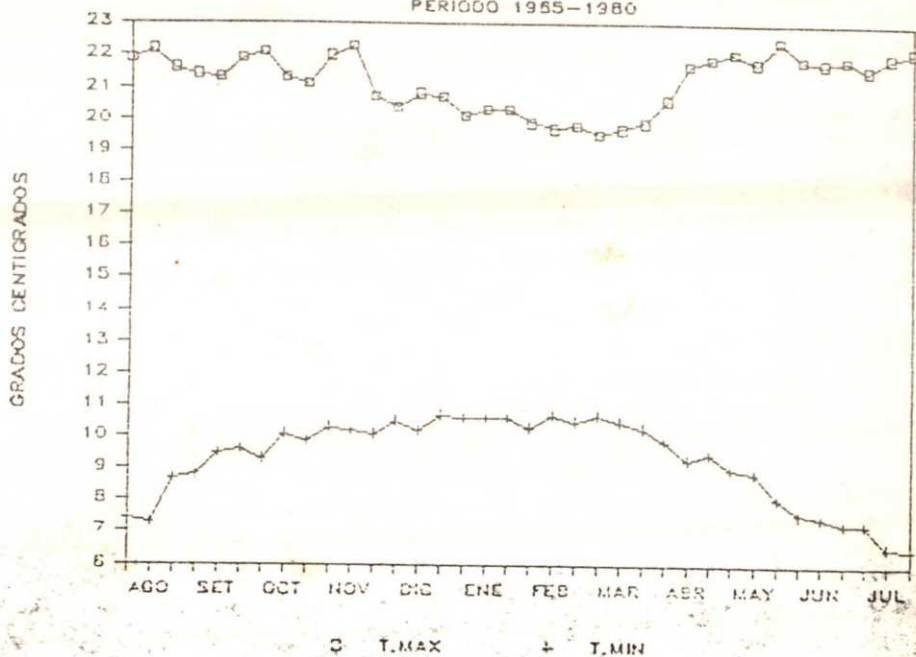
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.4	3.9	10.3	18.4	16.6	26.5	27.2	27.8	22.3	4.8	3.9	2.7
2	1.2	5.8	17.0	19.4	27.7	24.0	27.7	24.3	12.7	5.9	1.5	2.6
3	3.3	10.2	15.0	23.8	20.4	25.7	20.1	24.2	7.4	2.8	2.6	2.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 495.2 (mm)

SAN RAFAEL -TEMP. EXTREMAS

PERIODO 1955-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

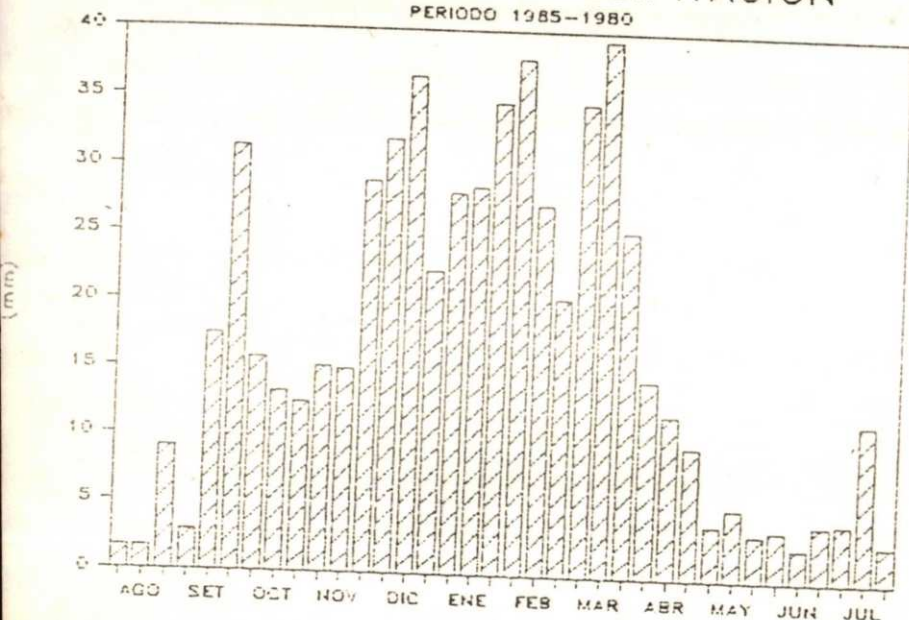
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.9	21.4	22.1	22.0	20.4	20.1	19.9	19.5	20.6	22.1	21.9	21.6
2	22.2	21.3	21.3	22.3	20.8	20.3	19.7	19.7	21.7	21.8	21.8	22.0
3	21.6	21.9	21.1	20.7	20.7	20.3	19.8	19.9	21.9	22.5	21.9	22.2

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	7.4	8.8	9.3	10.3	10.5	10.6	10.3	10.7	9.9	9.0	7.6	7.3
2	7.3	9.5	10.1	10.2	10.2	10.6	10.7	10.5	9.3	8.9	7.5	6.6
3	8.7	9.6	9.9	10.1	10.7	10.6	10.5	10.3	9.5	8.1	7.3	6.5

SAN RAFAEL - PRECIPITACION

PERIODO 1985-1980



PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.6	2.9	15.8	15.2	31.9	28.1	38.1	34.8	14.5	4.0	3.7	4.3
2	1.7	17.5	13.3	15.0	36.7	28.6	27.3	39.4	12.1	5.2	2.4	11.7
3	9.2	31.4	12.6	28.9	22.4	34.8	20.5	25.5	9.7	3.3	4.1	2.8

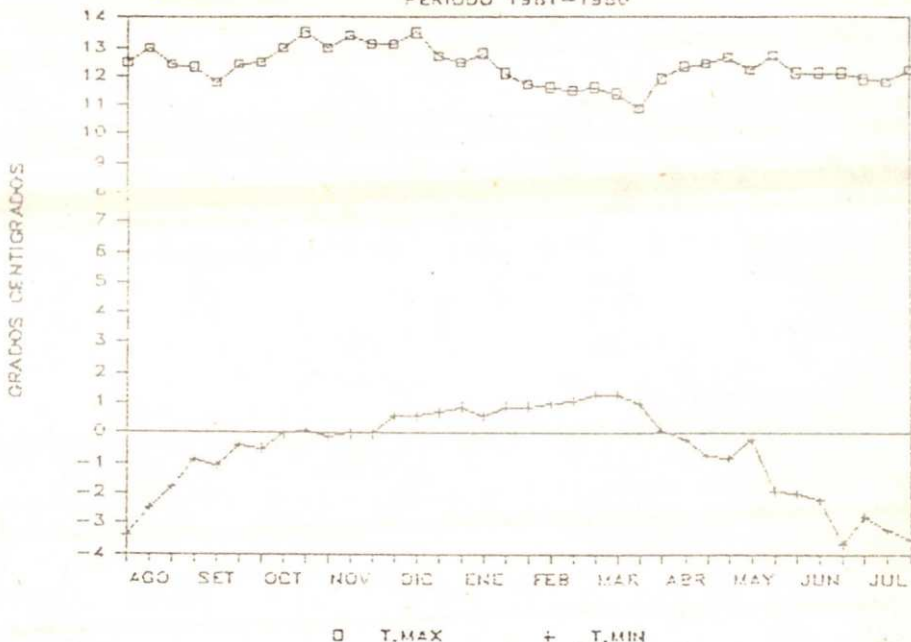
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 611.0 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE PASCO

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
C. DE PASCO	PASCO	CHAUPIMARCA	10:41	76:15	4333

CERRO DE PASCO - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

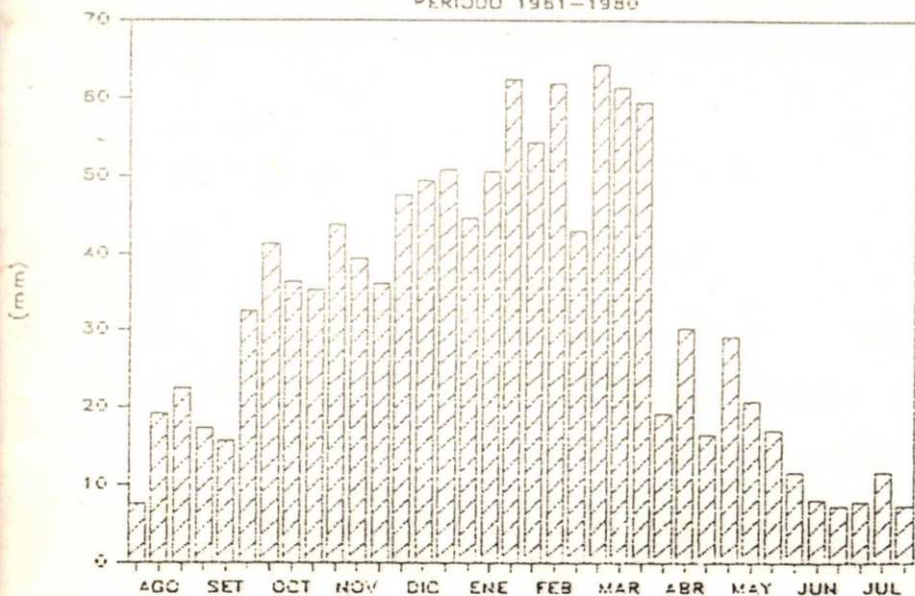
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	12.5	12.3	12.5	13.0	13.1	12.5	11.7	11.6	11.9	12.6	12.1	11.9
2	13.0	11.8	13.0	13.4	13.5	12.8	11.6	11.4	12.3	12.2	12.1	11.8
3	12.4	12.4	13.5	13.1	12.7	12.1	11.5	10.9	12.4	12.7	12.1	12.2

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-3.4	-0.9	-0.5	-0.1	0.6	0.9	0.9	1.3	0.1	-0.8	-2.0	-2.8
2	-2.5	-1.1	0.0	0.0	0.6	0.6	1.0	1.3	-0.2	-0.2	-2.2	-3.2
3	-1.8	-0.4	0.1	0.0	0.7	0.9	1.1	1.0	-0.7	-1.9	-3.7	-3.5

CERRO DE PASCO - PRECIPITACION

PERIODO 1961-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	7.5	17.4	41.2	43.7	47.6	44.5	54.2	64.3	19.3	29.4	11.6	7.9
2	19.1	15.6	36.3	39.4	49.5	50.4	61.9	61.5	30.4	20.9	8.1	11.5
3	22.5	32.6	35.2	36.0	50.7	62.6	42.8	59.4	16.5	16.9	7.1	7.2

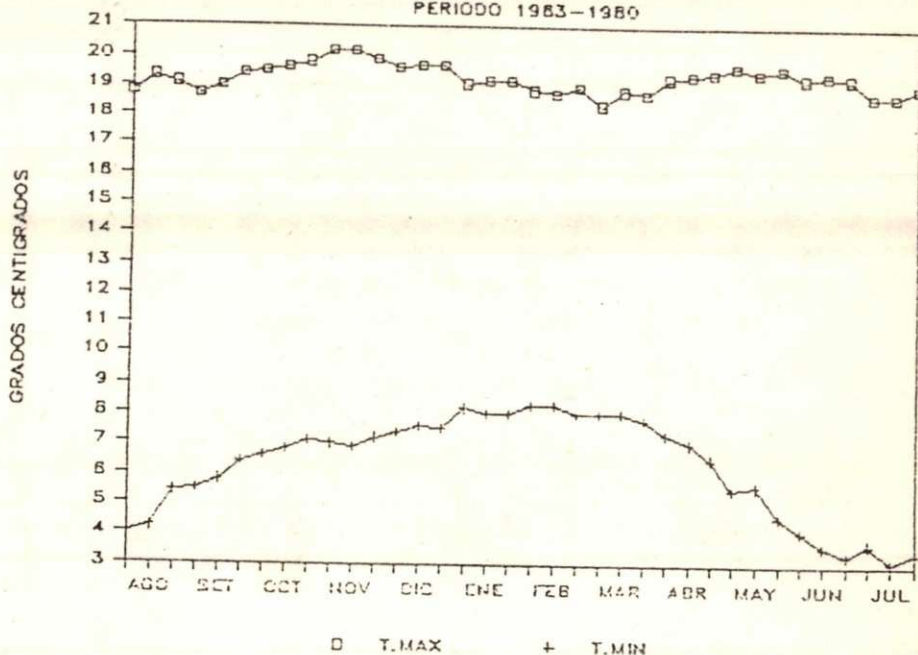
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 1182.7 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE JUNIN

NOMBRE	PROVINCIA	DISTRITO	LATITUD	LONGITUD	ALTITUD
		POLITICO	° ' S	° ' W	m
TARMA	TARMA	TARMA	11:25	75:42	3051
JAUJA	JAUJA	JAUJA	11:45	75:30	3410
HUAYO	HUANCAYO	HUACHAC	12:02	75:19	3350
LAIVE	HUANCAYO	YANACANCHA	12:18	75:24	4096

TARMA - TEMP. EXTREMAS

PERIODO 1983-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

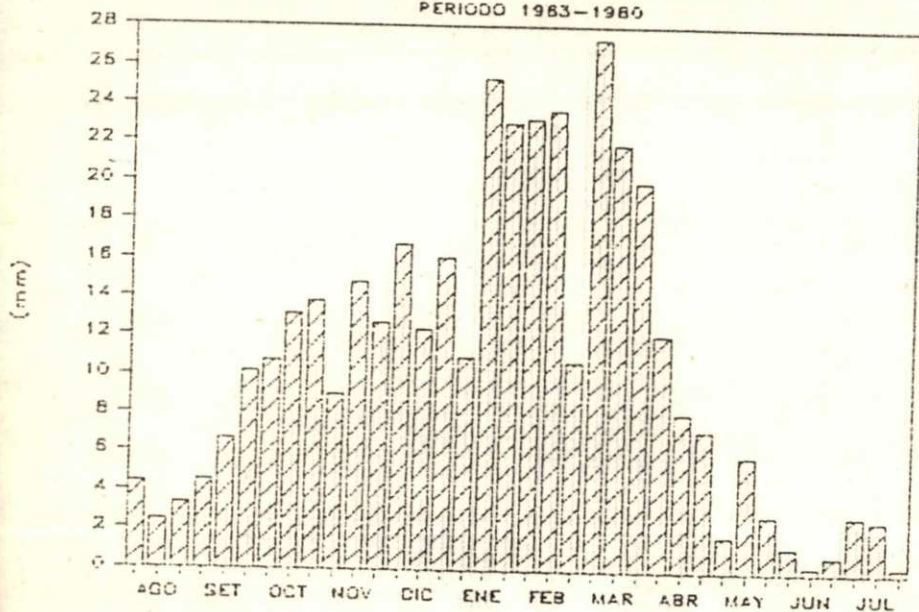
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.8	18.7	19.5	20.2	19.6	19.1	18.9	18.4	19.3	19.7	19.3	18.7
2	19.3	19.0	19.6	20.2	19.7	19.2	18.8	18.9	19.4	19.5	19.4	18.7
3	19.1	19.4	19.8	19.9	19.7	19.2	19.0	18.8	19.5	19.6	19.3	19.0

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.0	5.5	6.6	7.0	7.4	8.2	8.3	8.0	7.3	5.5	4.1	3.7
2	4.2	5.8	6.8	6.9	7.6	8.0	8.3	8.0	7.0	5.6	3.6	3.1
3	5.4	6.4	7.1	7.2	7.5	8.0	8.0	7.8	6.5	4.6	3.3	3.4

TARMA - PRECIPITACION

PERIODO 1963-1969



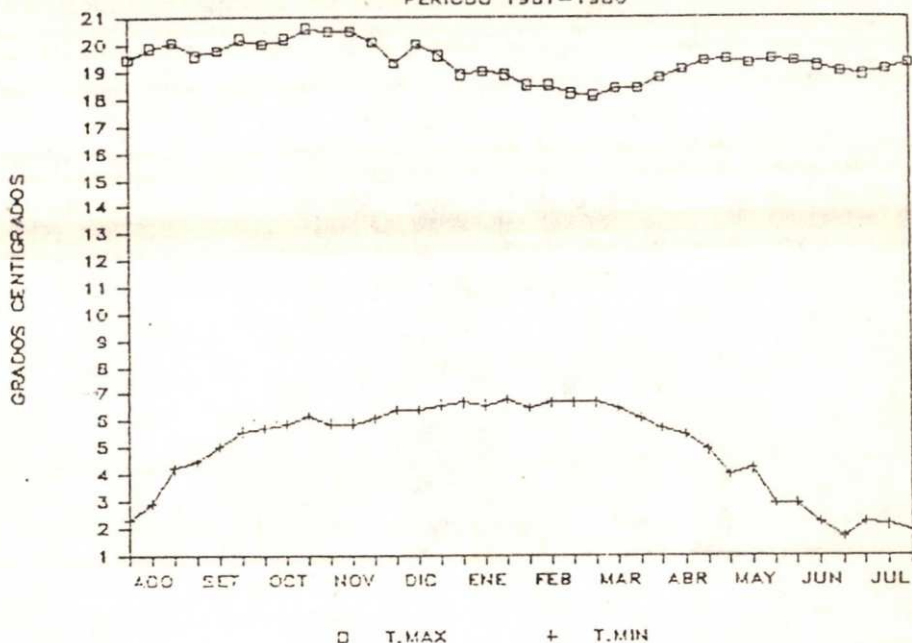
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.4	4.5	10.7	9.0	16.7	10.9	23.3	27.4	12.1	1.8	1.3	2.9
2	2.5	6.7	13.1	14.8	12.4	25.3	23.7	21.9	8.1	6.0	0.3	2.7
3	3.3	10.2	13.8	12.7	16.1	23.0	10.7	20.0	7.2	2.9	0.8	0.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 383.5 (mm)

JAUJA - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

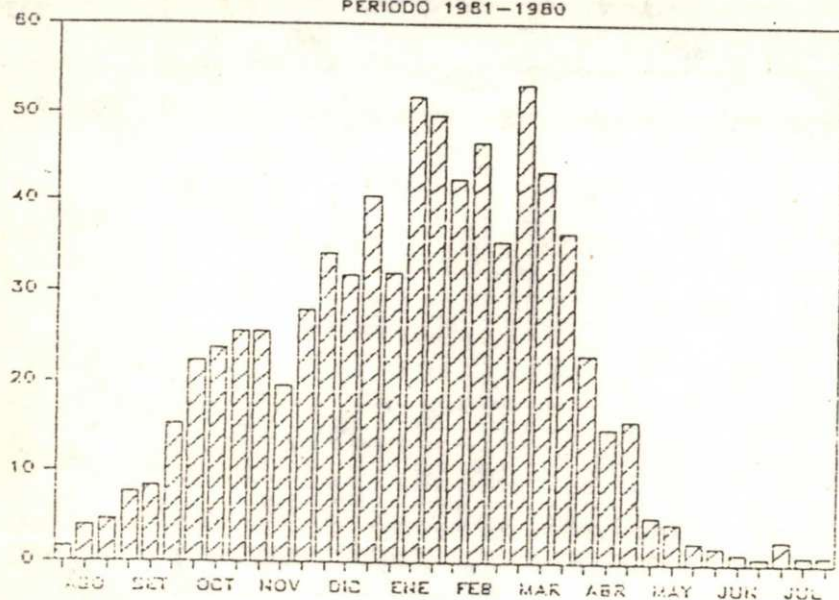
	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.5	19.6	20.0	20.5	19.3	18.9	18.5	18.1	18.8	19.5	19.4	18.9	
2	19.9	19.8	20.2	20.5	20.0	19.0	18.5	18.4	19.1	19.3	19.2	19.1	
3	20.1	20.2	20.6	20.1	19.6	18.9	18.2	18.4	19.4	19.5	19.0	19.3	

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.3	4.5	5.7	5.9	6.4	6.7	6.5	6.7	5.7	4.0	2.9	2.2	
2	2.9	5.0	5.9	5.9	6.4	6.6	6.7	6.5	5.5	4.2	2.2	2.1	
3	4.2	5.6	6.2	6.1	6.6	6.8	6.7	6.1	4.9	2.9	1.7	1.9	

JAUJA - PRECIPITACION

PERIODO 1981-1980



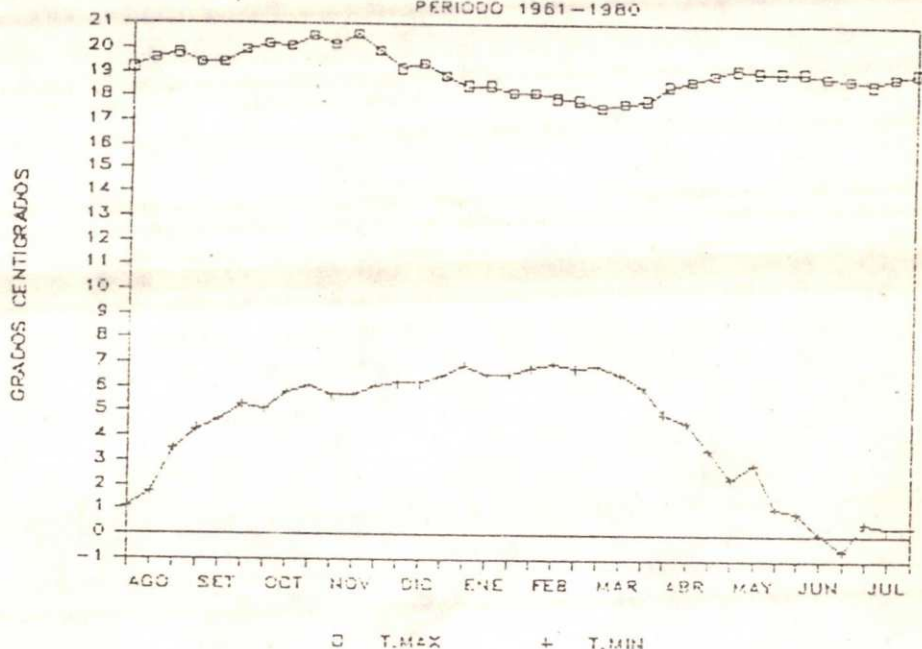
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.6	7.6	22.4	25.6	34.3	32.2	42.5	53.3	23.1	5.0	1.7	2.4
2	3.8	8.4	23.6	19.4	31.8	51.8	46.7	43.5	14.8	4.3	1.0	0.8
3	4.6	15.4	25.6	27.8	40.5	49.9	35.7	36.5	15.8	2.2	0.5	0.8

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 756.9 (mm)

HUAYAO - TEMP. EXTREMAS

PERIODO 1961-1960



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

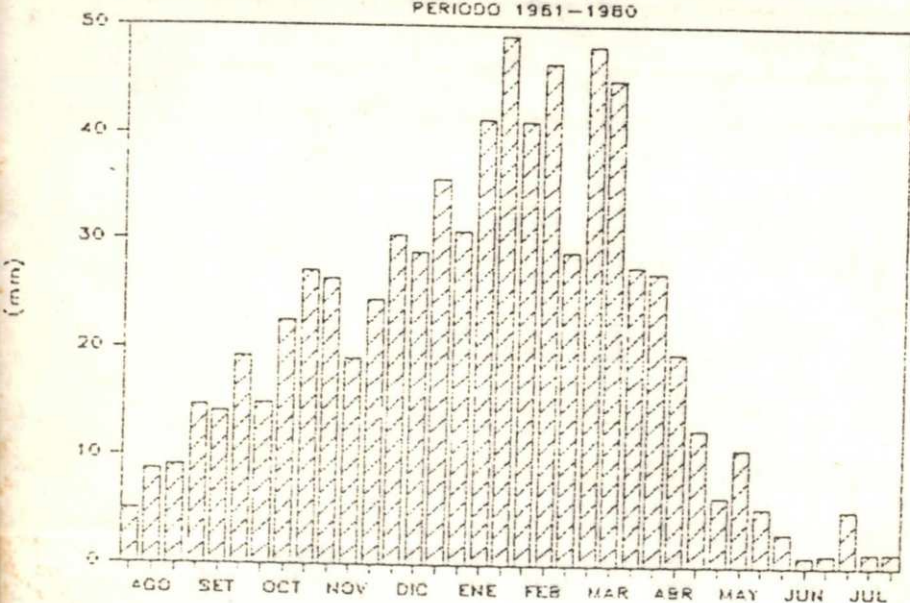
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.2	19.4	20.2	20.2	19.2	18.5	18.2	17.6	18.5	19.2	19.1	18.6
2	19.6	19.4	20.1	20.6	19.4	18.5	18.0	17.8	18.7	19.1	18.9	18.9
3	19.8	19.9	20.5	19.9	18.9	18.2	17.9	17.9	19.0	19.1	18.8	19.1

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.1	4.3	5.1	5.7	6.2	6.9	6.8	6.9	5.0	2.3	0.9	0.5
2	1.7	4.7	5.8	5.7	6.2	6.6	7.0	6.6	4.6	2.9	0.1	0.3
3	3.5	5.3	6.1	6.1	6.5	6.6	6.8	6.1	3.5	1.1	-0.6	0.3

HUAYAO - PRECIPITACION

PERIODO 1951-1980



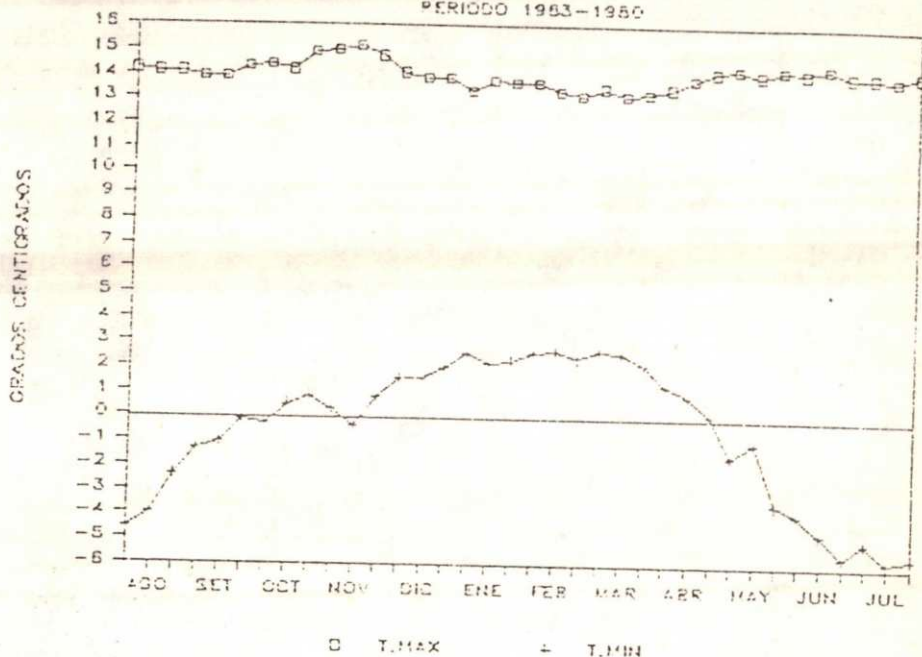
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1		5.0	14.7	14.9	26.4	30.5	30.8	41.1	48.1	26.9	6.4	3.0	5.1
2		8.6	14.1	22.4	19.0	28.9	41.4	46.6	45.0	19.5	10.9	0.9	1.3
3		9.0	19.1	27.1	24.4	35.7	49.1	28.8	27.5	12.5	5.4	1.0	1.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 752.4 (mm)

LAIVE - TEMP. EXTREMAS

PERIODO 1983-1986



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

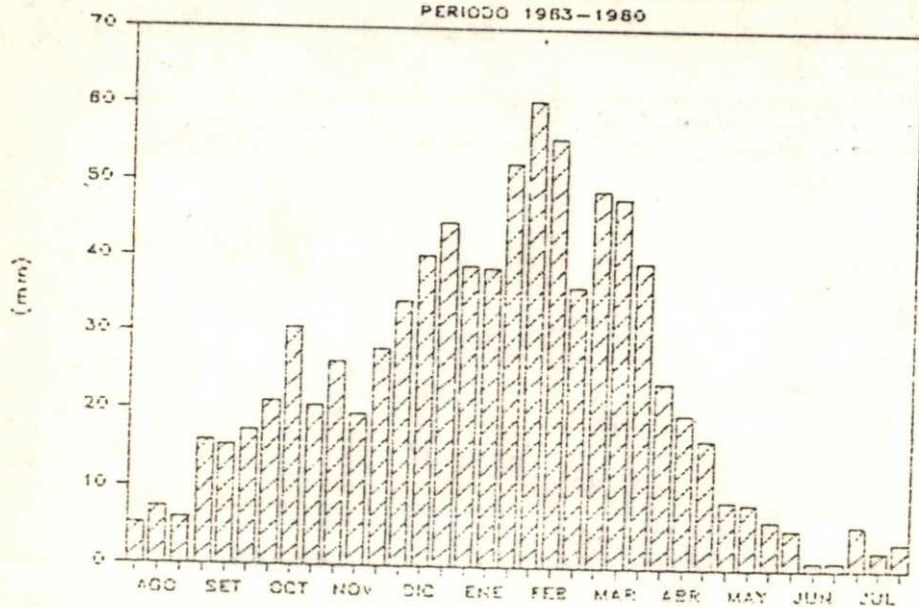
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	14.2	13.9	14.4	15.0	14.1	13.4	13.7	13.5	13.5	14.3	14.2	14.1
2	14.1	13.9	14.2	15.2	13.9	13.8	13.4	13.2	13.9	14.1	14.4	14.0
3	14.1	14.3	14.9	14.8	13.9	13.7	13.2	13.3	14.2	14.3	14.1	14.2

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-4.6	-1.3	-0.3	0.3	1.6	2.6	2.6	2.7	1.3	-1.6	-3.9	-5.0
2	-4.0	-1.1	0.5	-0.4	1.6	2.2	2.7	2.6	0.9	-1.0	-4.7	-5.8
3	-2.4	-0.1	0.8	-0.8	2.0	2.3	2.4	2.2	0.1	-3.5	-5.6	-5.6

LAIVE - PRECIPITACION

PERIODO 1963-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	5.0	15.9	21.1	26.3	34.1	38.9	60.5	48.9	23.7	8.6	5.2	5.6
2	7.3	15.5	30.7	19.4	40.1	38.6	55.8	47.7	19.7	8.4	1.1	2.4
3	6.0	17.2	20.7	27.9	44.6	52.3	36.2	39.5	16.4	6.3	0.9	3.4

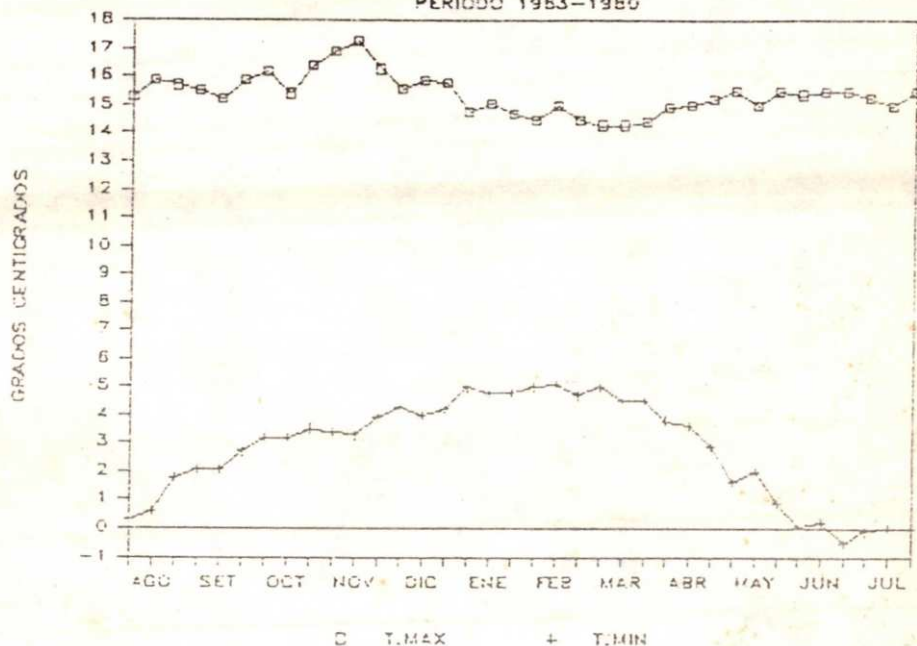
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 851.9 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE HUANCVELICA

NOMBRE	PROVINCIA	DISTRITO	LATITUD	LONGITUD	ALTITUD
		POLITICO	° ' S	° ' W	m
HUANCVELICA	HUANCVELICA	HUANCVELICA	12:47	74:59	3670
ACOBAMBA	ACOBAMBA	ACOBAMBA	12:50	74:34	3436
LIRCAY	ANGARAES	LIRCAY	12:59	74:43	3271
ARMAS	CASTROVIRREYNA	ARMAS	13:07	75:32	3336

HUANCAVELICA - TEMP. EXTREMAS

PERIODO 1963-1966



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

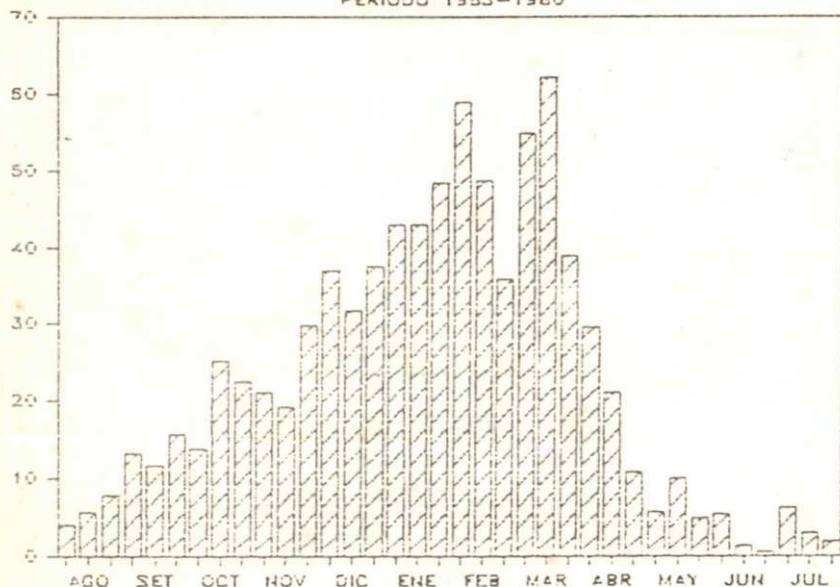
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.3	15.5	16.2	16.9	15.6	14.8	14.5	14.3	14.9	15.5	15.4	15.3
2	15.9	15.2	15.4	17.3	15.9	15.1	15.0	14.3	15.0	15.0	15.5	15.0
3	15.7	15.9	16.4	16.3	15.8	14.7	14.5	14.4	15.2	15.5	15.5	15.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.3	2.1	3.2	3.4	4.3	5.0	5.0	5.0	3.8	1.6	0.1	-0.1
2	0.6	2.1	3.2	3.3	4.0	4.8	5.1	4.5	3.6	2.0	0.2	0.0
3	1.8	2.7	3.5	3.9	4.2	4.8	4.7	4.5	2.9	0.9	-0.5	0.0

HUANCAVELICA - PRECIPITACION

PERIODO 1953-1960



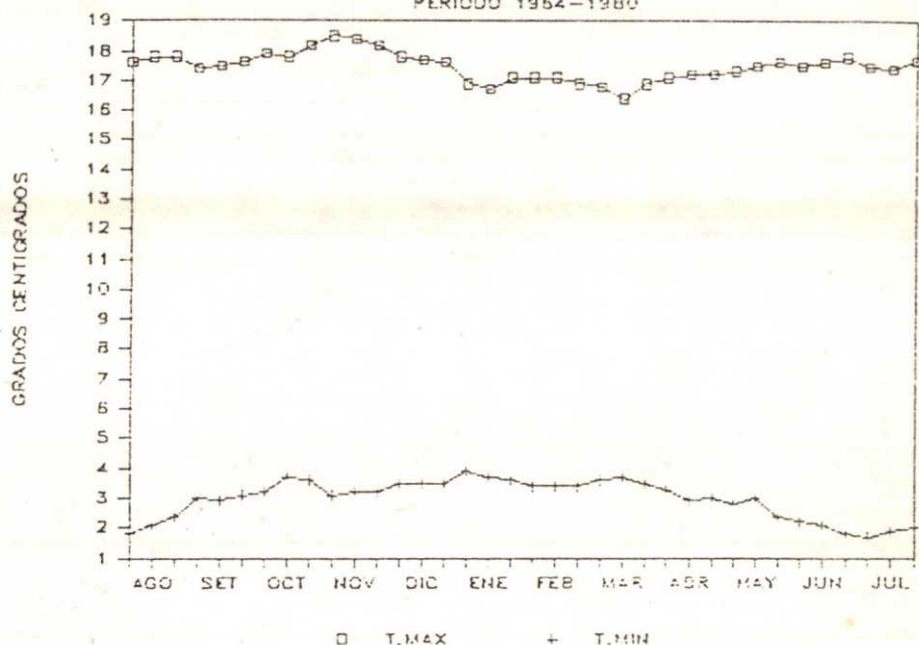
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.0	13.3	13.8	21.1	37.0	42.9	58.9	54.9	29.7	5.6	5.4	6.2
2	5.6	11.7	25.1	19.2	31.7	43.0	48.7	62.1	21.2	10.0	1.3	3.0
3	7.9	15.7	22.5	29.9	37.5	48.4	35.8	38.7	10.8	4.8	0.5	1.7

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 829.6 (mm)

ACOBAMBA - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

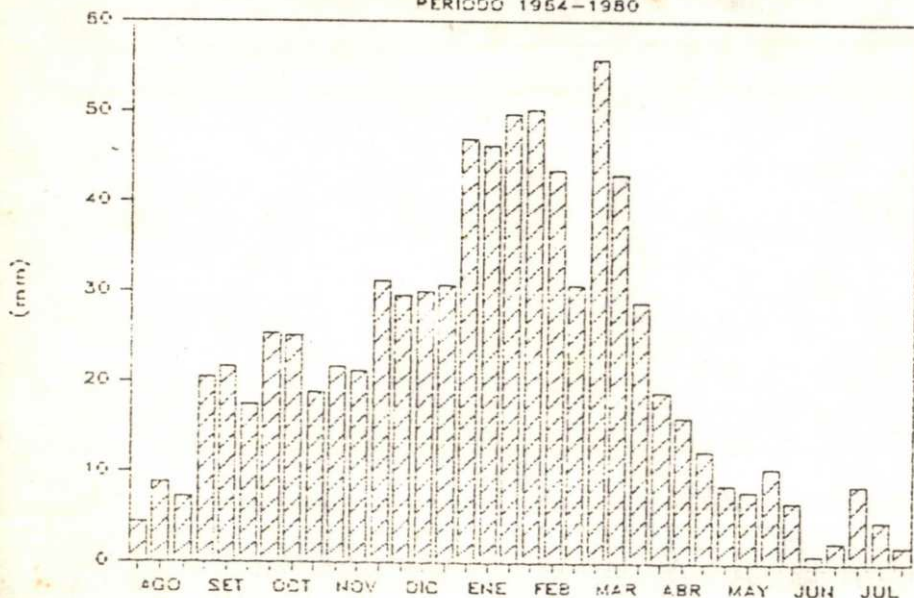
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	17.6	17.4	17.9	18.5	17.8	16.9	17.1	16.8	17.1	17.3	17.5	17.5
2	17.8	17.5	17.8	18.4	17.7	16.7	17.1	16.4	17.2	17.5	17.6	17.4
3	17.8	17.6	18.2	18.2	17.6	17.1	16.9	16.9	17.2	17.6	17.8	17.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.8	3.0	3.2	3.1	3.5	3.9	3.4	3.6	3.3	2.8	2.2	1.7
2	2.1	2.9	3.7	3.2	3.5	3.7	3.4	3.7	2.9	3.0	2.1	1.9
3	2.4	3.1	3.6	3.2	3.5	3.6	3.4	3.5	3.0	2.4	1.8	2.0

ACOBAMBA - PRECIPITACION

PERIODO 1954-1980



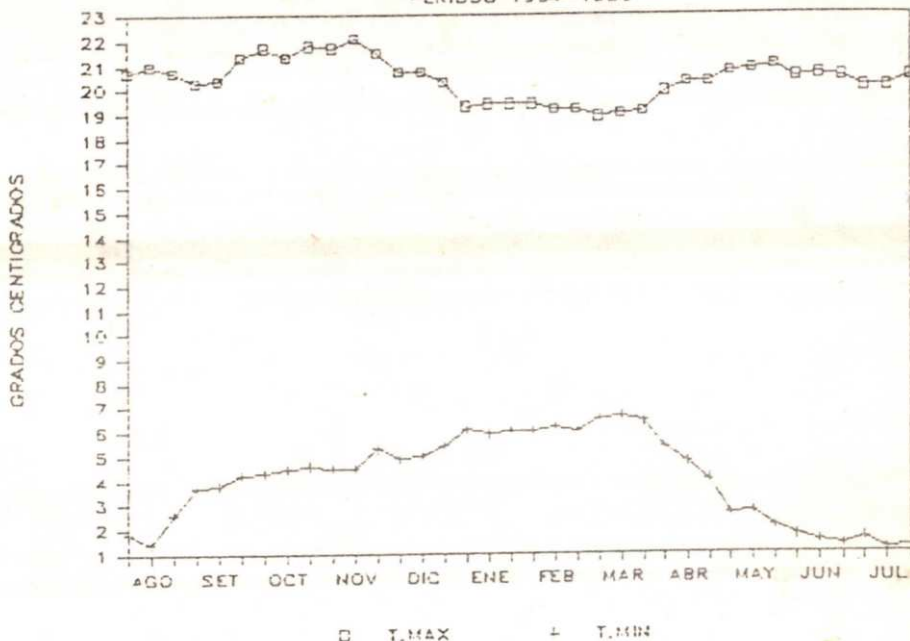
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.4	20.5	25.3	21.7	29.5	47.1	50.4	55.9	18.8	8.5	6.6	8.6
2	8.7	21.6	25.1	21.2	30.1	46.3	43.5	43.0	16.0	7.8	0.9	4.5
3	7.1	17.3	18.7	31.2	30.6	49.8	30.8	28.8	12.3	10.3	2.3	1.8

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 507.0 (mm)

LIRCAY - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

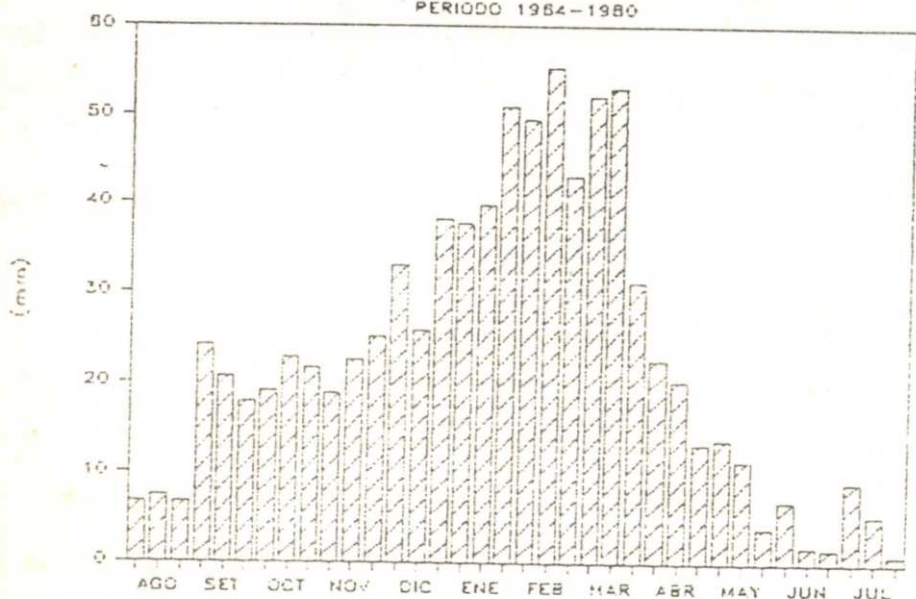
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.7	20.3	21.7	21.7	20.7	19.3	19.4	18.9	19.9	20.7	20.5	20.1
2	21.0	20.4	21.3	22.1	20.7	19.4	19.2	19.0	20.3	20.8	20.6	20.1
3	20.7	21.3	21.8	21.5	20.3	19.4	19.2	19.1	20.3	21.0	20.5	20.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.8	3.7	4.3	4.5	4.9	6.1	6.0	6.5	5.3	2.6	1.7	1.6
2	1.4	3.8	4.5	4.5	5.0	5.9	6.2	6.6	4.7	2.7	1.5	1.1
3	2.6	4.2	4.6	5.3	5.4	6.0	6.0	6.4	4.0	2.1	1.3	1.2

LIRCAY - PRECIPITACION

PERIODO 1964-1980



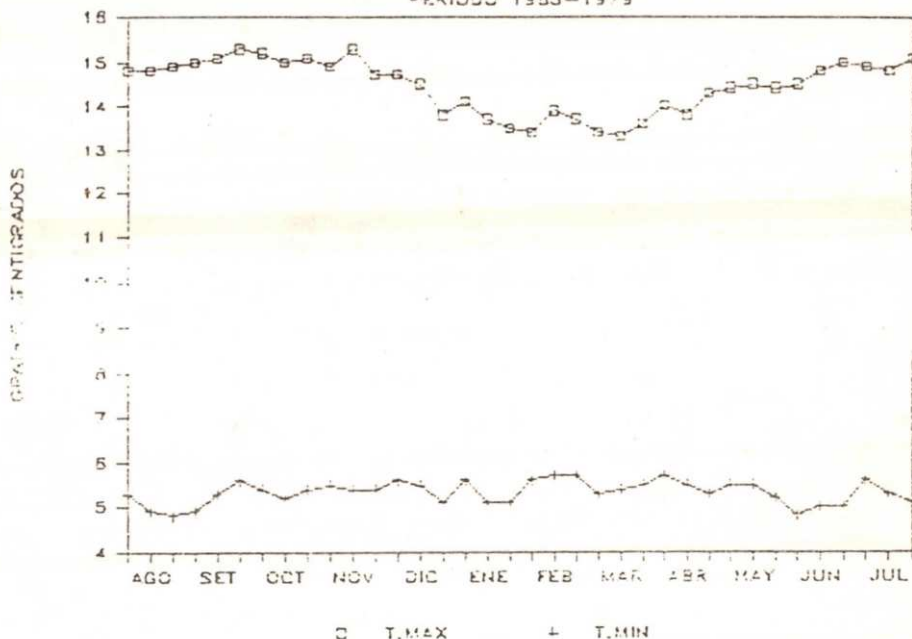
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	6.6	24.1	19.0	18.8	33.0	37.7	49.7	52.2	22.5	13.7	7.0	9.1
2	7.5	20.7	22.9	22.6	25.9	39.7	55.4	53.1	20.3	11.4	1.9	5.2
3	6.6	17.9	21.7	25.0	38.1	51.0	43.0	31.2	13.2	3.8	1.6	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 834.0 (mm)

ARMAS - TEMP. EXTREMAS

PERIODO 1953-1979



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

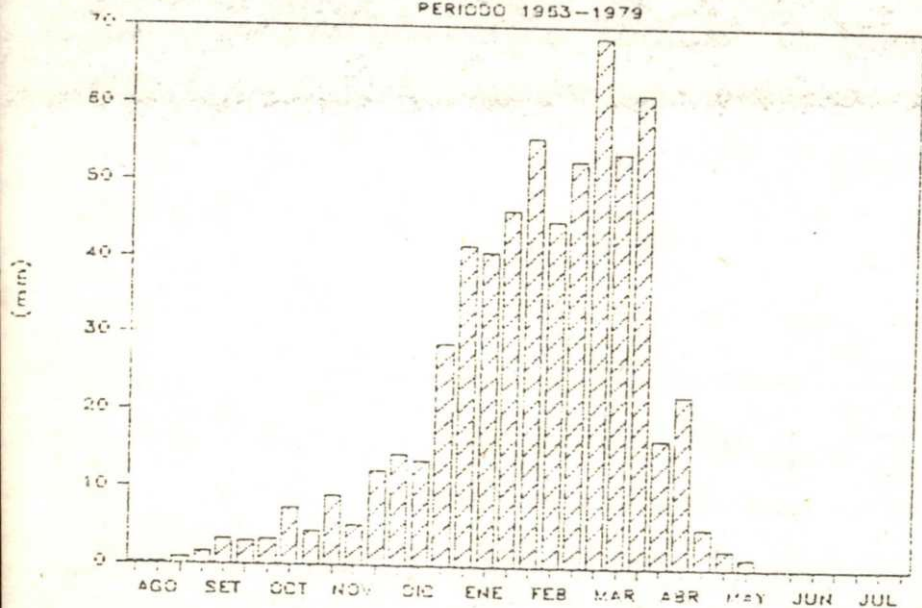
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	14.8	15.0	15.2	14.9	14.7	14.1	13.4	13.4	14.0	14.4	14.5	14.9
2	14.8	15.1	15.0	15.3	14.5	13.7	13.9	13.3	13.8	14.5	14.8	14.8
3	14.9	15.3	15.1	14.7	13.8	13.5	13.7	13.6	14.3	14.4	15.0	15.1

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	5.3	4.9	5.4	5.5	5.6	5.6	5.6	5.3	5.7	5.5	4.8	5.6
2	4.9	5.3	5.2	5.4	5.5	5.1	5.7	5.4	5.5	5.5	5.0	5.3
3	4.8	5.6	5.4	5.4	5.1	5.1	5.7	5.5	5.3	5.2	5.0	5.1

ARMAS - PRECIPITACION

PERIODO 1953-1979



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.1	1.5	3.1	9.0	14.2	41.5	55.7	68.8	16.6	2.4	0.0	0.0
2	0.1	3.1	7.2	5.2	13.4	40.7	44.9	53.7	22.2	1.3	0.0	0.0
3	0.6	2.9	4.3	12.1	28.7	46.1	52.7	61.3	5.1	0.0	0.0	0.0

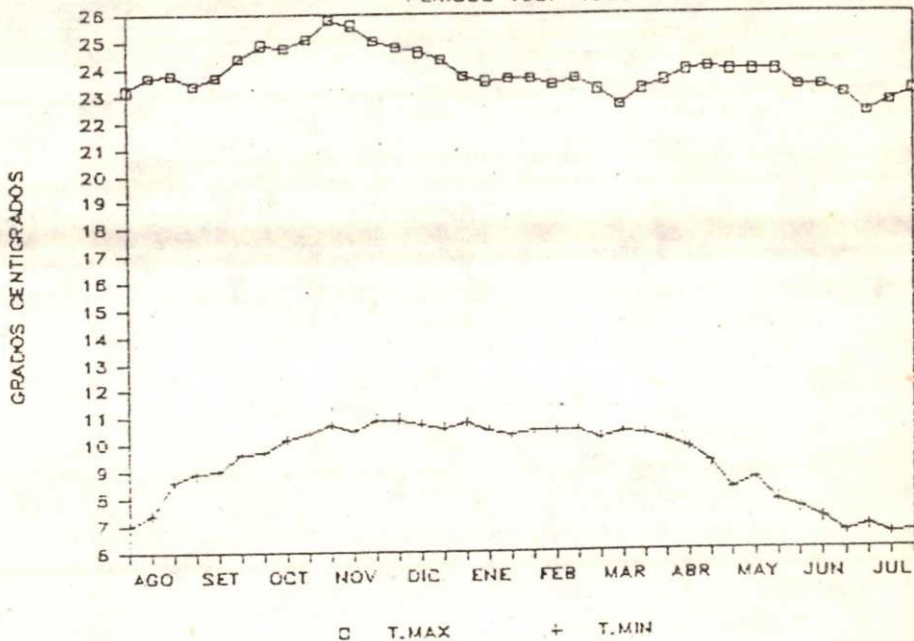
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 618.5 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE AYACUCHO

NOMBRE	PROVINCIA	DISTRITO	LATITUD	LONGITUD	ALTITUD
		POLITICO	° ' S	° ' W	m
AYACUCHO	HUAMANGA	TAMBILLO	13:09	74:12	2761
FUQUIO	LUCANAS	FUQUIO	14:42	74:08	3213
CORA CORA	PARINACOCAS	CORA CORA	15:01	73:43	3200

AYACUCHO - TEMP. EXTREMAS

PERIODO 1987-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

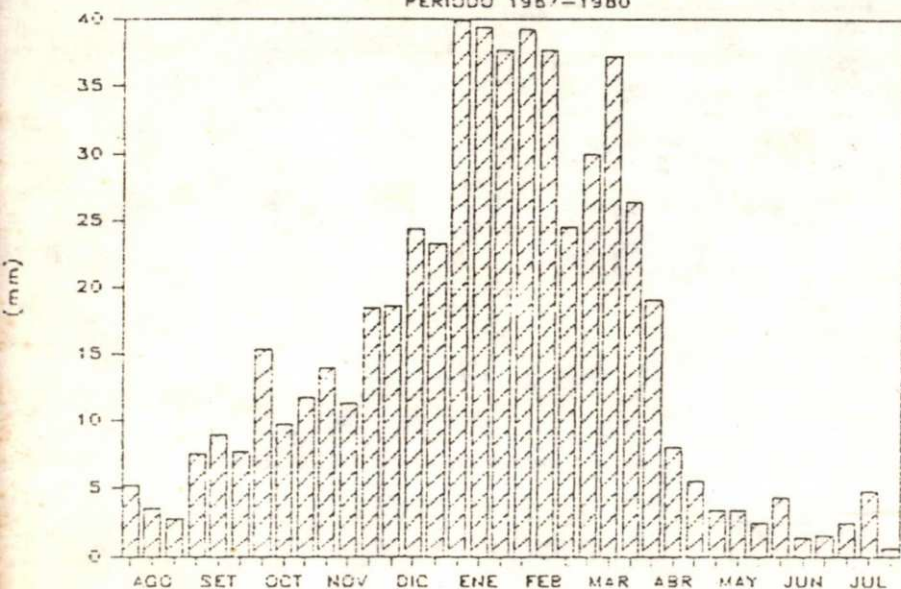
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	23.2	23.4	24.9	25.8	24.8	23.7	23.6	23.2	23.5	23.9	23.3	22.3
2	23.7	23.7	24.8	25.6	24.6	23.5	23.4	22.6	23.9	23.9	23.3	22.7
3	23.8	24.4	25.1	25.0	24.3	23.6	23.6	23.2	24.0	23.9	23.0	23.1

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	7.0	8.9	9.7	10.7	10.9	10.8	10.5	10.2	10.1	8.2	7.5	6.8
2	7.4	9.0	10.2	10.5	10.7	10.5	10.5	10.4	9.8	8.6	7.1	6.5
3	8.6	9.6	10.4	10.9	10.6	10.3	10.5	10.3	9.2	7.8	6.6	6.6

AYACUCHO - PRECIPITACION

PERIODO 1957-1980



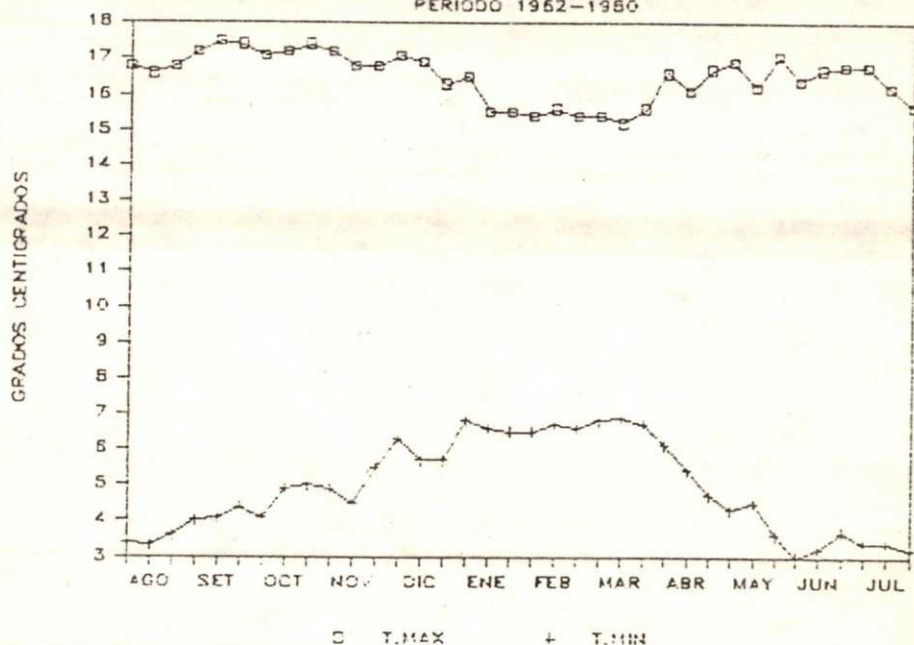
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	5.3	7.5	15.3	13.9	18.6	39.9	39.3	29.9	19.1	3.4	4.3	2.5
2	3.5	8.9	9.8	11.3	24.3	39.5	37.7	37.3	8.1	3.3	1.4	4.7
3	2.8	7.7	11.7	18.5	23.3	37.7	24.5	26.4	5.5	2.5	1.5	0.5

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 551.4 (mm)

PUQUIO - TEMP. EXTREMAS

PERIODO 1952-1960



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

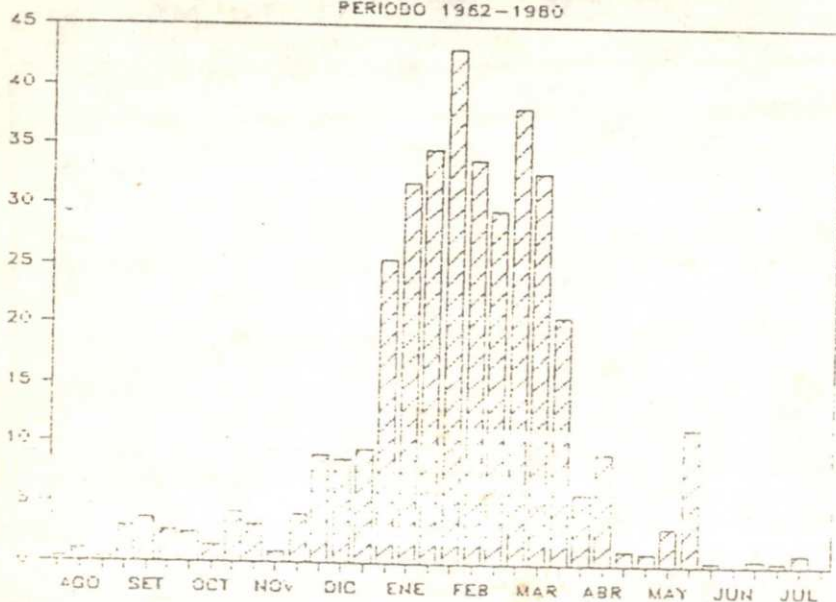
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	16.8	17.2	17.1	17.2	17.1	16.5	15.4	15.4	16.6	16.9	16.4	16.8
2	16.6	17.5	17.2	16.8	16.9	15.5	15.6	15.2	16.1	16.2	16.7	16.2
3	16.8	17.4	17.4	16.8	16.3	15.5	15.4	15.6	16.7	17.1	16.8	15.7

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.4	4.0	4.1	4.9	6.3	6.8	6.5	6.8	6.1	4.3	3.0	3.4
2	3.3	4.1	4.9	4.5	5.7	6.6	6.7	6.9	5.4	4.5	3.2	3.4
3	3.6	4.4	5.0	5.5	5.7	6.5	6.6	6.7	4.7	3.6	3.7	3.2

PUQUIO —PRECIPITACION

PERIODO 1962-1960



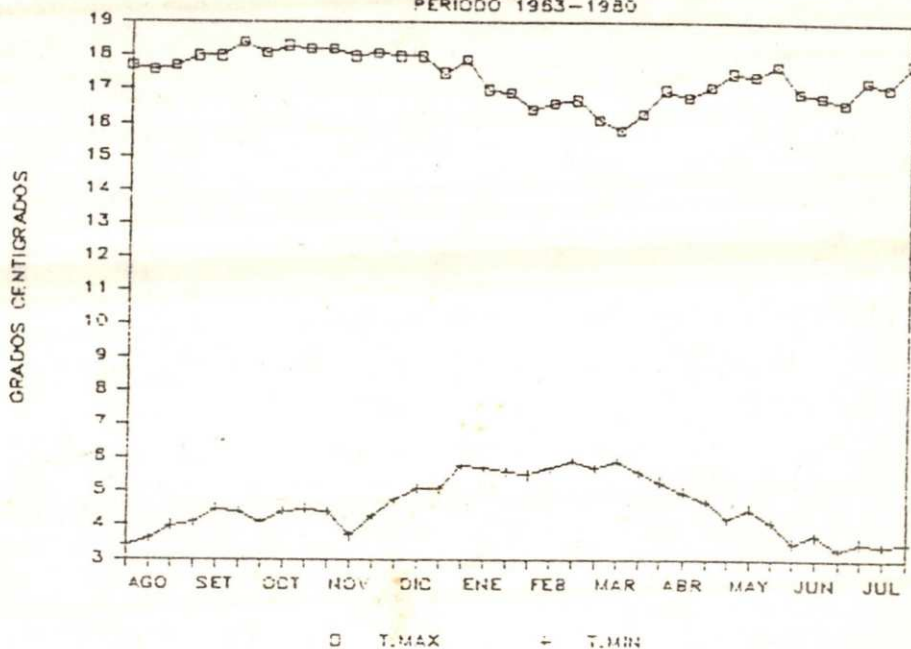
PRECIPITACION NORMAL DECADAL (mm)

AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
0.2	2.9	2.3	3.0	9.1	25.4	43.1	38.3	5.9	1.0	0.3	0.3
0.9	3.7	1.4	0.8	8.6	31.9	33.8	32.9	9.4	3.1	0.0	0.9
0.2	2.6	4.1	4.0	9.6	34.7	29.6	20.7	1.1	11.5	0.4	0.0

PRECIPITACION NORMAL DE CAMPANA AGRICOLA 377.7 (mm)

CORACORA - TEMP. EXTREMAS

PERIODO 1963-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

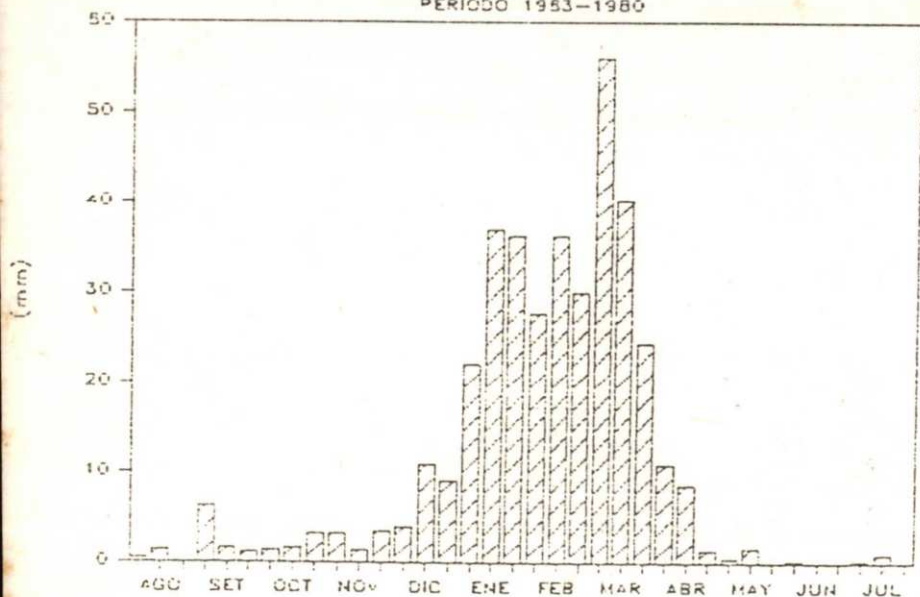
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	17.7	18.0	18.1	18.2	18.0	17.9	16.4	16.1	17.0	17.5	16.9	17.3
2	17.6	18.0	18.3	18.0	18.0	17.0	16.6	15.8	16.8	17.4	16.8	17.1
3	17.7	18.4	18.2	18.1	17.5	16.9	16.7	16.3	17.1	17.7	16.6	17.8

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.4	4.1	4.1	4.4	4.8	5.8	5.5	5.7	5.3	4.2	3.5	3.5
2	3.6	4.5	4.4	3.7	5.1	5.7	5.7	5.9	5.0	4.5	3.7	3.4
3	4.0	4.4	4.5	4.3	5.1	5.6	5.9	5.6	4.7	4.1	3.3	3.5

CORACORA - PRECIPITACION

PERIODO 1953-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.3	6.1	1.3	3.1	3.9	22.1	27.6	56.2	11.0	0.4	0.1	0.1
2	1.2	1.5	1.5	1.4	10.9	37.1	36.4	40.2	8.5	1.6	0.0	0.6
3	0.0	1.1	3.2	3.4	9.1	36.3	30.0	24.3	1.4	0.0	0.0	0.0

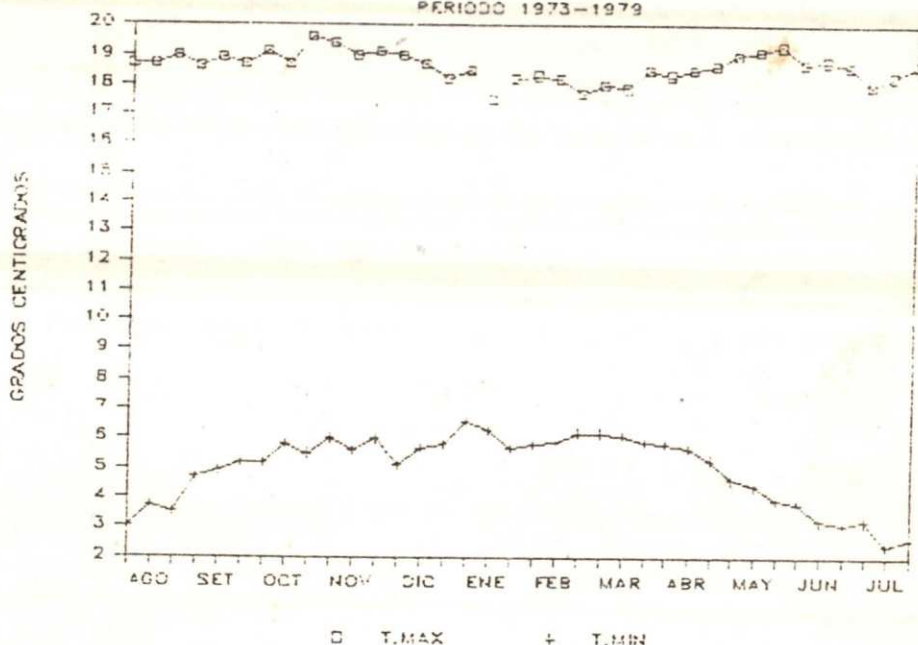
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 382.1 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE APURIMAC

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
URIPA	CHINCHEROS	URIPA	13:32	73:41	3280
CURAHUASI	ABANCAY	CURAHUASI	13:33	72:42	2687
ABANCAY	ABANCAY	ABANCAY	13:38	72:53	2377
ANDAHUAYLAS	ANDAHUAYLAS	SAN JERONIMO	13:39	73:22	2944
CHALHUANCA	AYMARAES	CHALHUANCA	14:17	73:15	2902

URIPA - TEMP. EXTREMAS

PERIODO 1973-1979



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

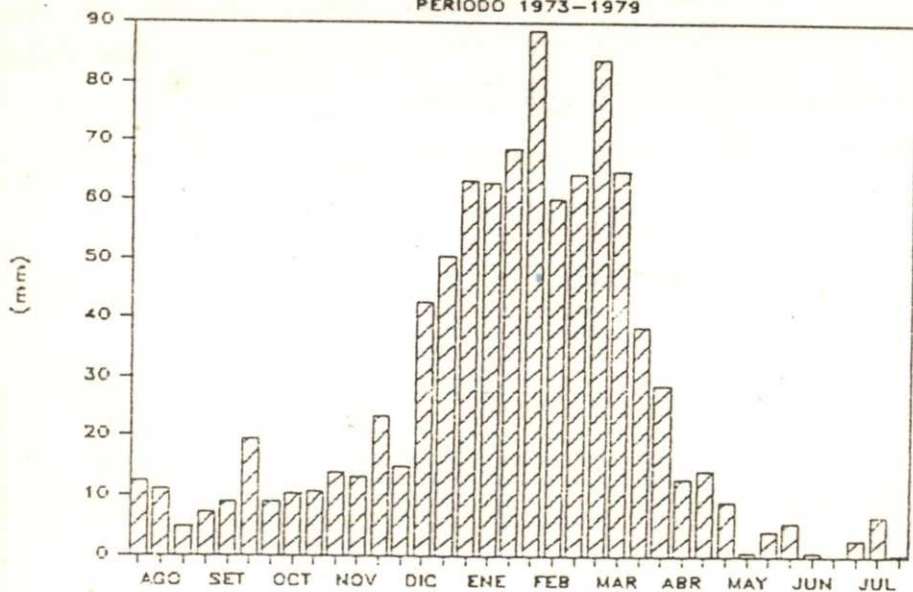
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.7	18.6	19.1	19.4	19.0	18.5	18.3	18.0	18.3	19.0	18.7	18.0
2	18.7	18.9	18.7	19.0	18.7	17.5	18.2	17.9	18.5	19.1	18.8	18.3
3	19.0	18.7	19.6	19.1	18.2	18.2	17.7	18.5	18.6	19.3	18.6	18.7

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.0	4.7	5.2	6.0	5.1	6.6	5.8	6.2	5.8	4.6	3.8	3.2
2	3.7	4.9	5.8	5.6	5.7	6.3	5.9	6.1	5.7	4.4	3.2	2.4
3	3.5	5.2	5.5	6.0	5.8	5.7	6.2	5.9	5.3	3.9	3.1	2.6

URIPA - PRECIPITACION

PERIODO 1973-1979



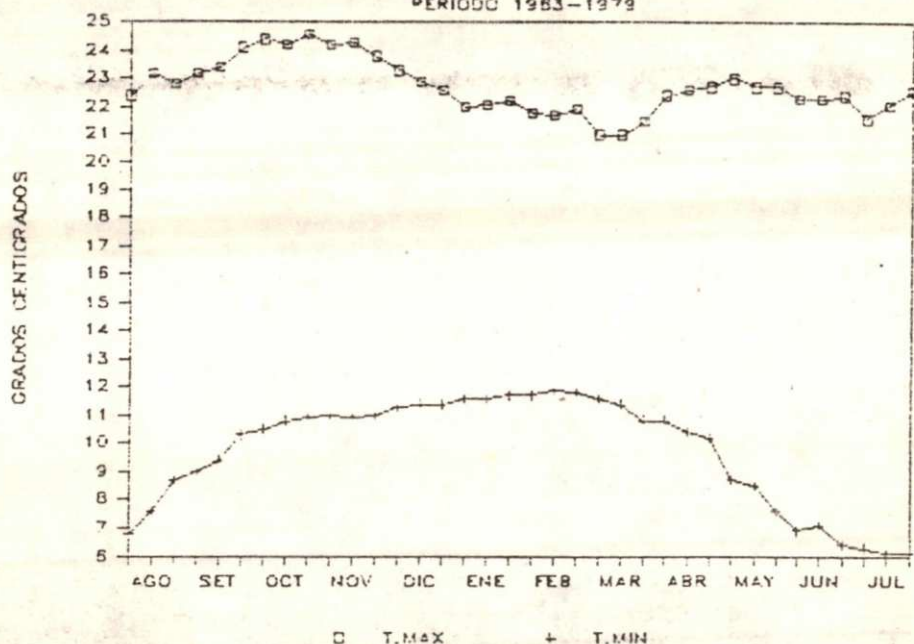
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	12.5	7.2	9.1	14.0	14.9	63.2	88.8	83.8	26.5	9.1	5.3	2.7	
2	11.1	9.0	10.3	13.2	42.4	62.8	60.1	64.9	12.7	0.4	0.6	6.4	
3	4.7	19.5	10.7	23.2	50.3	68.7	64.4	38.3	14.1	4.1	0.0	0.2	

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 931.2 (mm)

CURAHUASI - TEMP. EXTREMAS

PERIODO 1963-1979



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

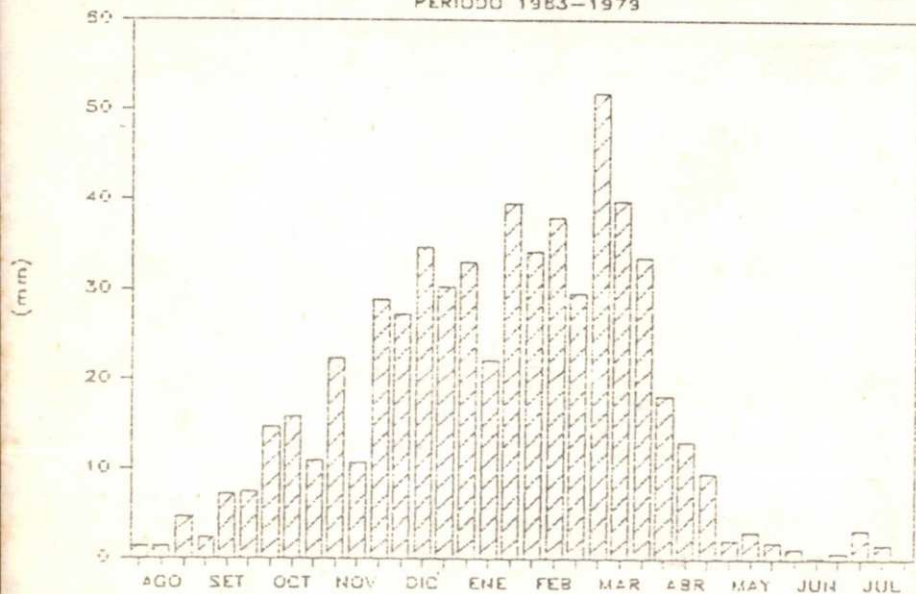
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.4	23.2	24.4	24.2	23.3	22.0	21.8	21.0	22.4	23.0	22.3	21.6
2	23.2	23.4	24.2	24.3	22.9	22.1	21.7	21.0	22.6	22.7	22.3	22.1
3	22.8	24.1	24.6	23.8	22.6	22.2	21.9	21.5	22.7	22.7	22.4	22.6

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	6.8	9.0	10.5	11.0	11.3	11.6	11.7	11.6	10.8	8.7	6.9	6.3
2	7.6	9.4	10.8	10.9	11.4	11.6	11.9	11.4	10.4	8.5	7.1	6.1
3	8.7	10.3	10.9	11.0	11.4	11.7	11.8	10.8	10.2	7.6	6.4	6.1

CURAHUASI - PRECIPITACION

PERIODO 1963-1979



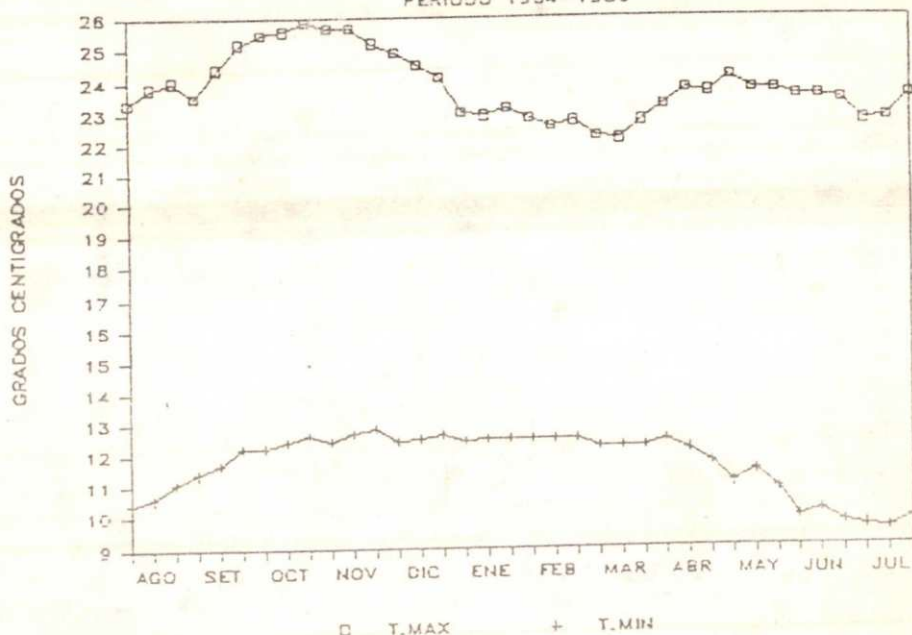
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.2	2.2	14.5	22.3	27.2	33.1	34.2	52.0	18.2	2.1	1.1	3.1
2	1.2	7.2	15.7	10.7	34.6	22.1	38.0	39.9	12.9	3.0	0.1	1.6
3	4.7	7.3	10.9	28.9	30.2	39.6	29.6	33.4	9.4	1.9	0.5	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 594.6 (mm)

ABANCAY - TEMP. EXTREMAS

PERIODO 1984-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

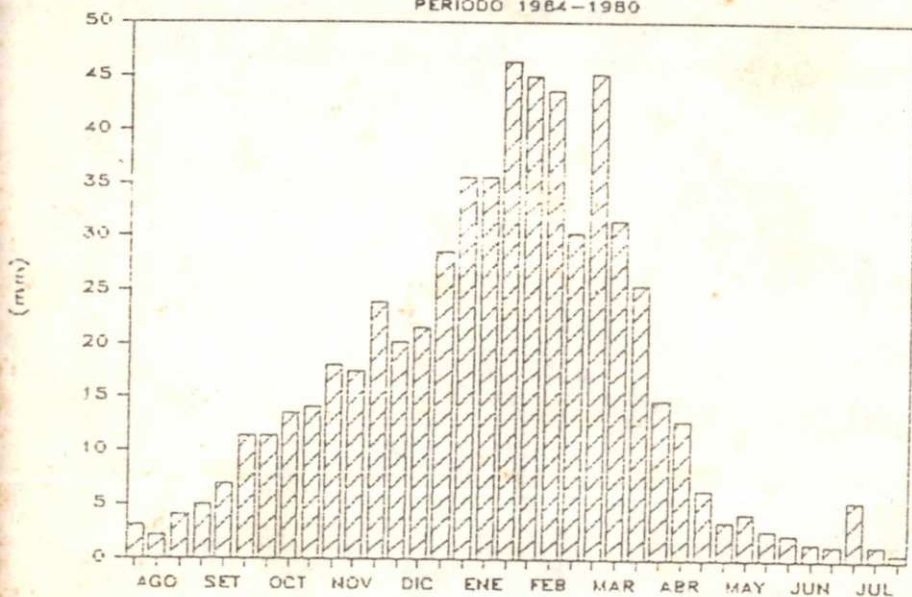
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	23.3	23.5	25.5	25.7	24.9	23.0	22.8	22.2	23.2	24.1	23.5	22.7
2	23.8	24.4	25.6	25.7	24.5	22.9	22.5	22.1	23.7	23.7	23.5	22.8
3	24.0	25.2	25.9	25.2	24.1	23.1	22.7	22.7	23.6	23.7	23.4	23.5

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	10.4	11.4	12.2	12.4	12.4	12.4	12.5	12.2	12.4	11.0	9.9	9.6
2	10.6	11.7	12.4	12.7	12.5	12.5	12.5	12.2	12.1	11.4	10.1	9.5
3	11.1	12.2	12.6	12.8	12.6	12.5	12.5	12.2	11.7	10.8	9.7	9.8

ABANCAY — PRECIPITACION

PERIODO 1964-1980



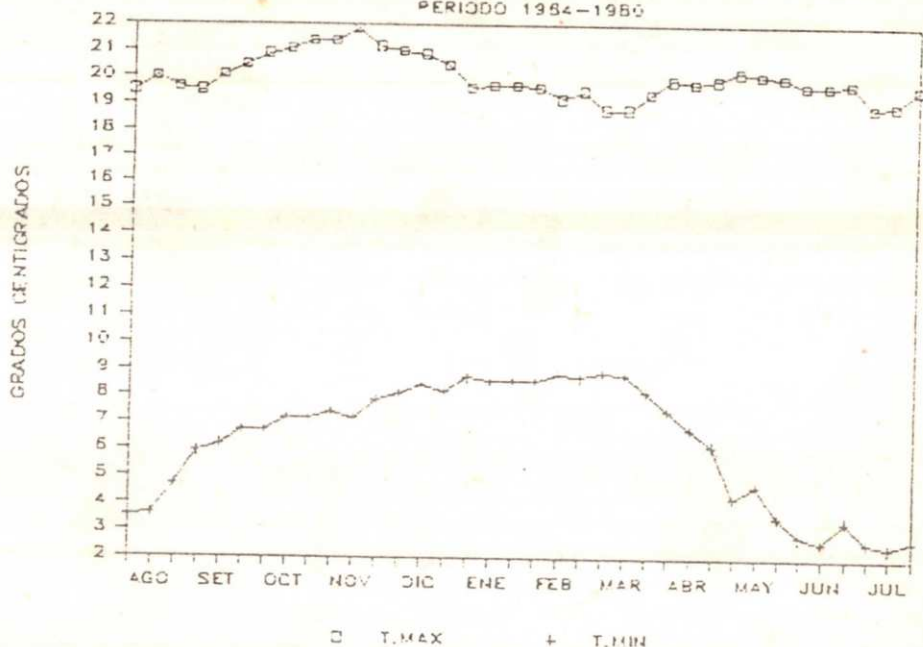
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.0	4.9	11.4	18.0	20.1	35.5	45.0	45.3	14.7	3.4	2.3	5.4
2	2.1	7.0	13.6	17.4	21.5	35.6	43.6	31.5	12.7	4.3	1.4	1.3
3	4.0	11.4	14.1	23.8	28.5	46.3	30.3	25.4	6.3	2.7	1.3	0.5

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 595.6 (mm)

ANDAHUAYLAS - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

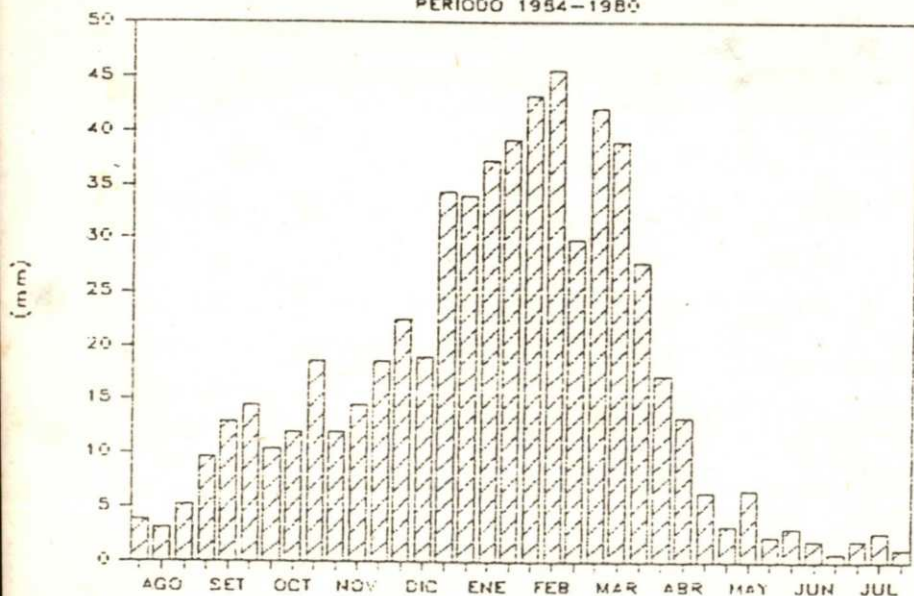
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.5	19.5	20.9	21.4	21.0	19.6	19.6	18.8	19.9	20.2	19.7	18.9
2	20.0	20.1	21.1	21.9	20.9	19.7	19.2	18.8	19.8	20.1	19.7	19.0
3	19.6	20.5	21.4	21.2	20.5	19.7	19.5	19.4	19.9	20.0	19.8	19.6

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.5	5.9	6.7	7.4	8.1	8.7	8.6	8.9	7.5	4.2	2.8	2.6
2	3.6	6.2	7.2	7.2	8.4	8.6	8.8	8.8	6.8	4.7	2.6	2.4
3	4.7	6.7	7.2	7.9	8.2	8.6	8.7	8.2	6.2	3.5	3.4	2.7

ANDAHUAYLAS - PRECIPITACION

PERIODO 1954-1980



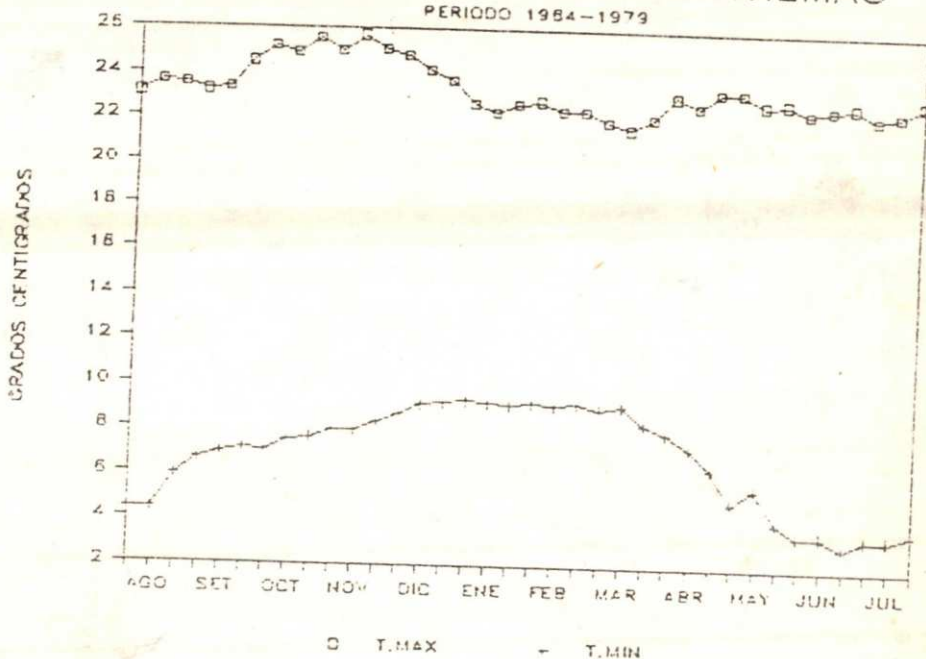
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.8	9.7	10.5	12.0	22.4	33.9	43.3	42.2	17.2	3.3	3.1	1.9
2	3.1	13.0	12.0	14.4	18.9	37.2	45.5	38.9	13.4	6.5	1.9	2.7
3	5.1	14.5	18.6	18.5	34.3	39.2	29.8	27.7	6.3	2.3	0.7	1.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 608.9 (mm)

CHALHUANCA - TEMP. EXTREMAS

PERIODO 1984-1979



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

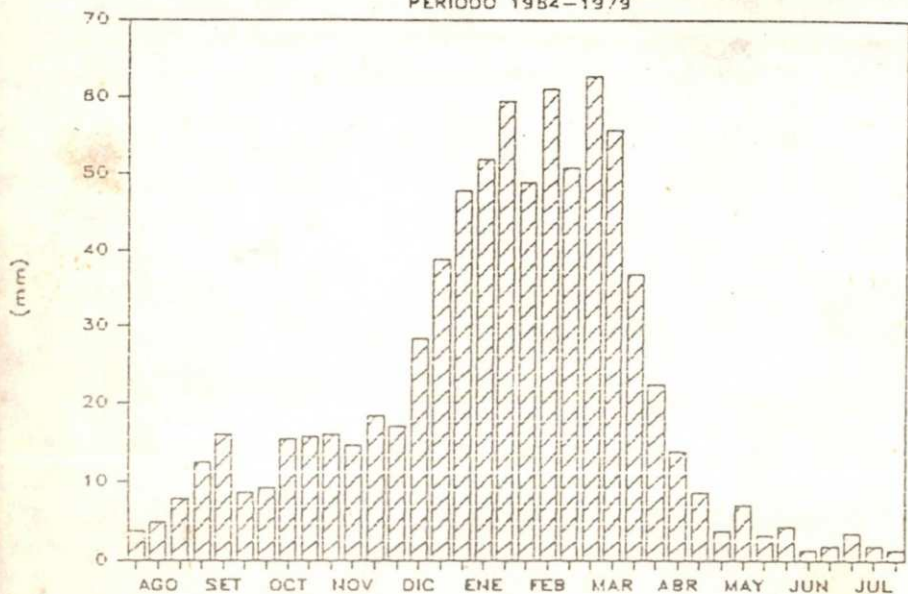
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	23.1	23.2	25.2	25.0	24.8	22.7	22.8	21.9	23.1	23.3	22.5	22.3
2	23.6	23.3	24.9	25.7	24.2	22.3	22.4	21.6	22.7	22.8	22.7	22.5
3	23.5	24.5	25.6	25.1	23.7	22.7	22.4	22.1	23.3	22.9	22.8	23.0

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.4	6.6	7.0	7.9	8.7	9.3	9.2	9.0	7.9	4.9	3.5	3.4
2	4.4	6.9	7.5	7.9	9.1	9.2	9.1	9.1	7.3	5.5	3.5	3.4
3	5.9	7.1	7.6	8.3	9.2	9.1	9.2	8.3	6.4	4.0	3.0	3.6

CHALHUANCA - PRECIPITACION

PERIODO 1954-1979



PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.7	12.3	9.1	15.9	17.1	47.8	49.0	62.7	22.4	3.8	4.3	1.3	3.3
2	4.9	16.1	15.4	14.5	28.4	51.9	61.1	55.7	13.9	7.0	1.3	1.8	1.8
3	7.9	8.7	15.8	18.4	38.8	59.6	50.9	37.0	8.5	3.1	1.8	1.3	1.3

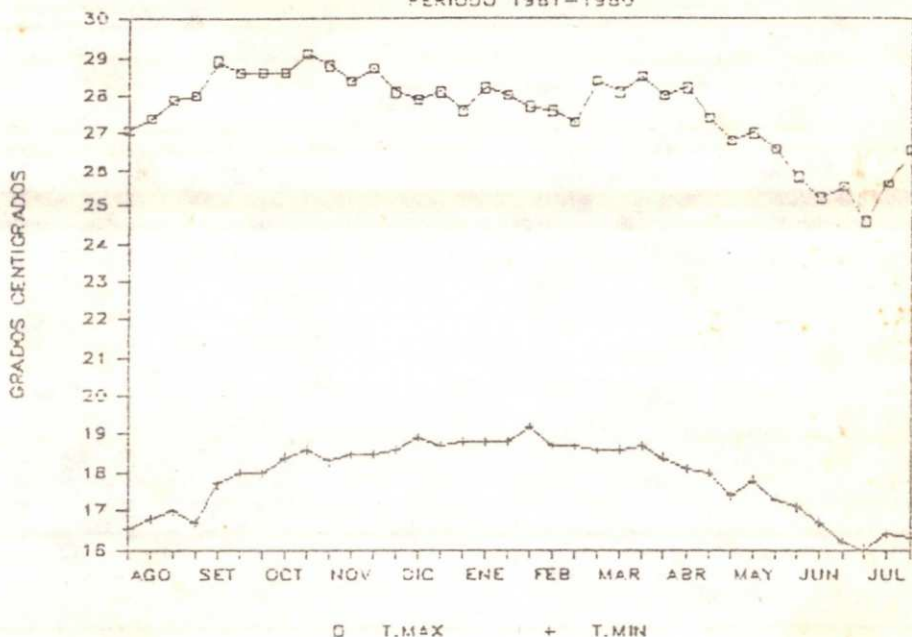
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 775.2 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE CUZCO

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
QUINCENIL	QUISPICANCHI	CAMANTI	13:12	70:46	619
PAUCARTAMBO	PAUCARTAMBO	PAUCARTAMBO	13:16	71:37	2830
URUBAMBA	URUBAMBA	URUBAMBA	13:18	72:07	2863
CALCA	CALCA	CALCA	13:20	71:57	2926
ANTA	ANTA	ANTA	13:28	72:09	3435
CUZCO	CUZCO	HUANCHAC	13:32	71:56	3399
G. KAYRA	CUZCO	SAN JERONIMO	13:34	71:54	3219
CCATCCA	QUISPICANCHIS	CCATCCA	13:37	71:34	3700
PARURO	PARURO	PARURO	13:46	71:51	3084
ACOMAYO	ACOMAYO	ACOMAYO	13:56	71:42	3250
SICUANI	CANCHIS	SICUANI	14:17	71:13	3550
SANTO TOMAS	CHUMBIVILCAS	SANTO TOMAS	14:27	72:05	3660
YAURI	ESPINAR	ESPINAR	14:47	71:25	3915

QUINCEMIL - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

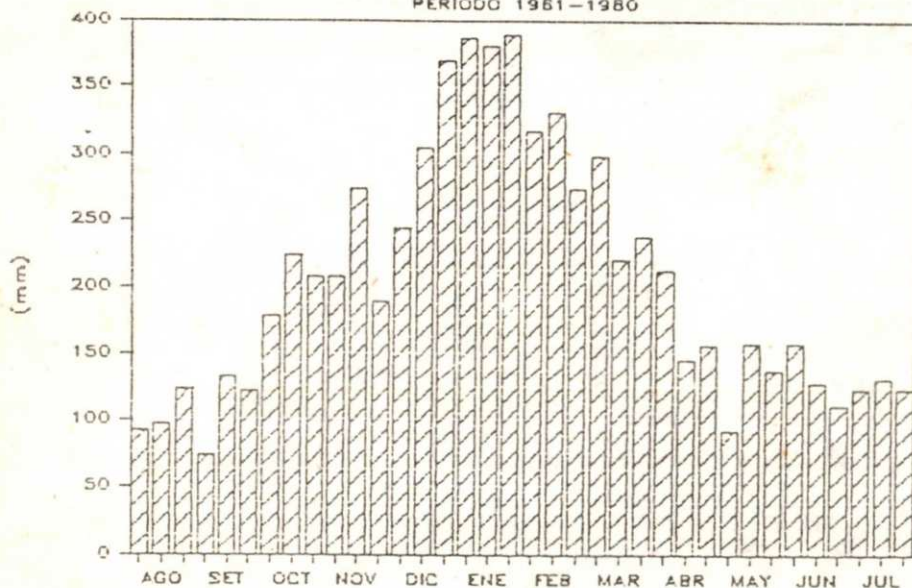
	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	27.1	28.0	28.6	28.8	28.1	27.6	27.7	28.4	28.0	26.8	25.8	24.6	
2	27.4	28.9	28.6	28.4	27.9	28.2	27.6	28.1	28.2	27.0	25.2	25.6	
3	27.9	28.6	29.1	28.7	28.1	28.0	27.3	28.5	27.4	26.6	25.5	26.6	

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	16.5	16.7	18.0	18.3	18.6	18.8	19.2	18.6	18.4	17.4	17.1	16.0	
2	16.8	17.7	18.4	18.5	18.9	18.8	18.7	18.6	18.1	17.8	16.7	16.4	
3	17.0	18.0	18.6	18.5	18.7	18.8	18.7	18.7	18.0	17.3	16.2	16.3	

QUINCEMIL - PRECIPITACION

PERIODO 1961-1980



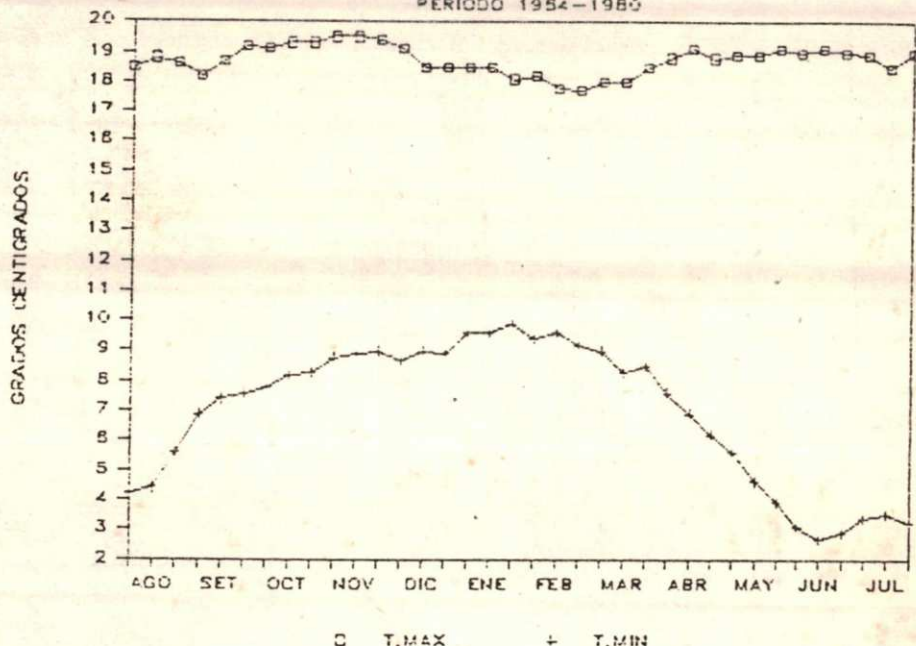
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	92.3	74.6	178.9	207.8	243.9	387.1	316.9	297.3	211.8	92.2	158.0	124.2
2	96.9	133.8	222.7	272.9	304.2	381.0	331.3	219.6	146.1	157.5	129.1	132.2
3	123.1	122.5	208.0	189.9	370.1	389.7	272.5	237.3	156.0	137.4	112.1	123.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 7354.0 (mm)

PAUCARTAMBO - TEMP. EXTREMAS

PERIODO 1954-1989



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

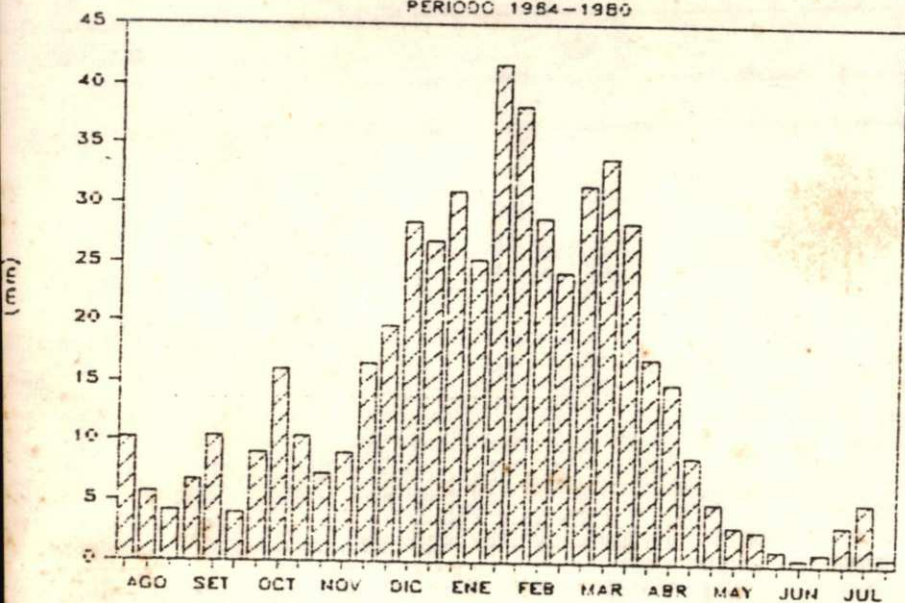
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.5	18.2	19.1	19.5	19.1	18.5	18.2	18.0	18.8	18.9	19.0	18.9
2	18.8	18.7	19.3	19.5	18.5	18.5	17.8	18.0	19.1	18.9	19.1	18.5
3	18.6	19.2	19.3	19.4	18.5	18.1	17.7	18.5	18.8	19.1	19.0	19.0

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.2	6.9	7.8	8.8	8.7	9.6	9.4	9.0	7.6	5.6	3.1	3.4
2	4.4	7.4	8.2	8.9	9.0	9.6	9.6	8.3	6.9	4.6	2.7	3.5
3	5.6	7.6	8.3	9.0	8.9	9.9	9.2	8.5	6.2	3.9	2.9	3.2

PAUCARTAMBO - PRECIPITACION

PERIODO 1954-1980



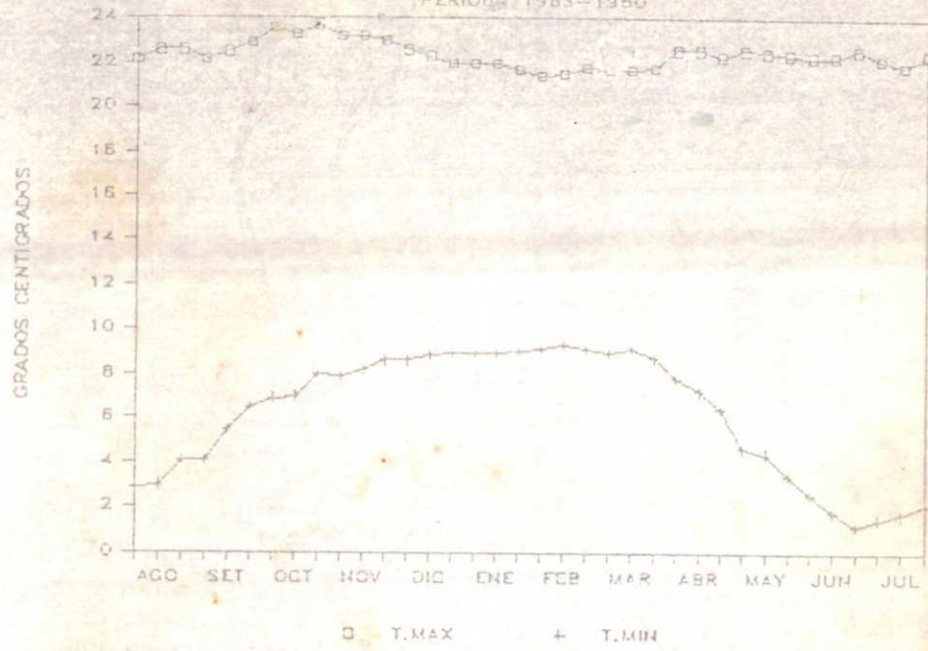
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	10.3	6.8	9.0	7.2	19.7	31.0	38.2	31.6	17.1	5.0	1.2	3.2
2	5.7	10.5	16.1	9.0	28.5	25.3	28.8	33.9	15.0	3.1	0.5	5.1
3	4.1	4.0	10.5	16.5	26.9	41.7	24.3	28.4	8.9	2.7	0.9	0.6

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 531.3 (mm)

URUBAMBA - TEMP. EXTREMAS

PERIODO 1983-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

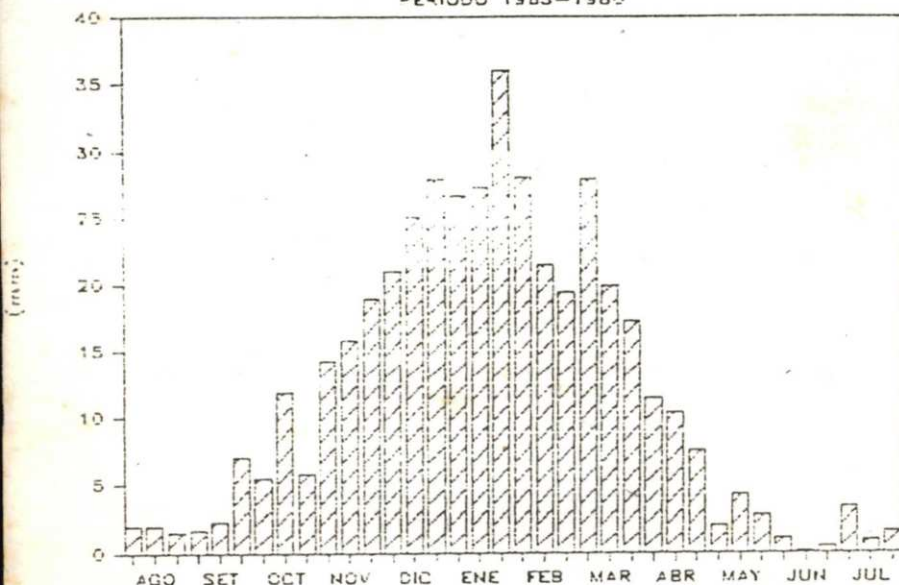
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.2	22.2	23.6	23.2	22.6	22.0	21.4	21.7	22.6	22.6	22.3	22.2
2	22.6	22.5	23.3	23.2	22.3	22.0	21.5	21.7	22.6	22.5	22.3	21.9
3	22.6	22.9	23.7	23.0	22.0	21.7	21.8	21.8	22.3	22.4	22.6	22.4

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.9	4.1	6.9	7.9	8.6	8.9	9.1	8.9	7.8	4.6	2.6	1.5
2	3.0	5.5	7.0	8.2	8.8	8.9	9.3	9.1	7.2	4.4	1.8	1.7
3	4.1	6.5	8.0	8.6	8.9	9.0	9.1	8.7	6.4	3.4	1.2	2.1

URUBAMBA - PRECIPITACION

PERIODO 1963-1980



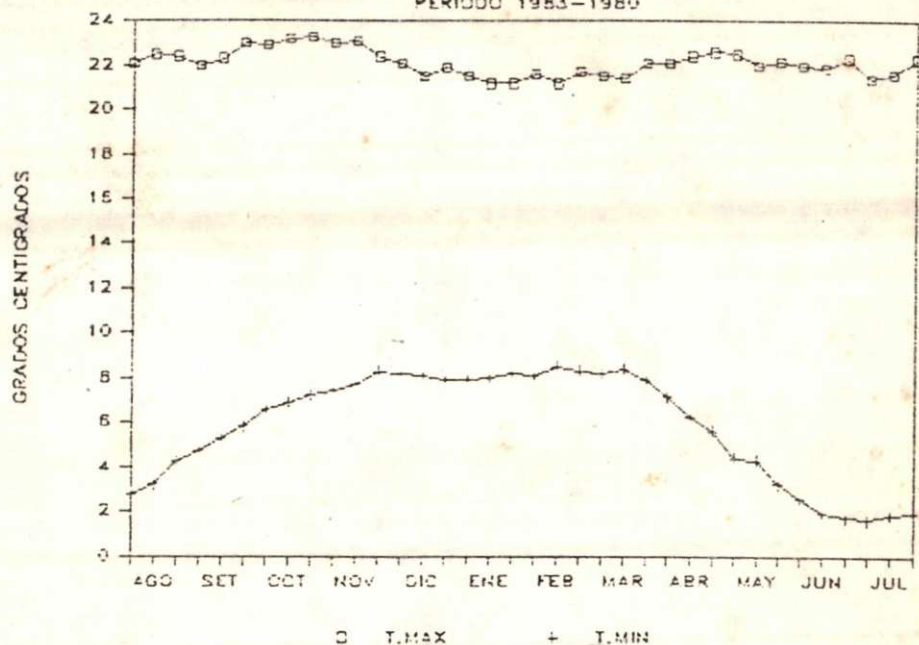
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.9	1.6	5.5	14.3	20.9	26.6	28.0	27.8	11.4	1.9	1.0	3.4
2	1.9	2.3	11.9	15.8	25.0	27.1	21.4	19.9	10.3	4.3	0.1	0.8
3	1.5	7.1	5.9	19.0	27.7	36.0	19.4	17.2	7.6	2.7	0.4	1.5

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 431.1 (mm)

CALCA - TEMP. EXTREMAS

PERIODO 1983-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

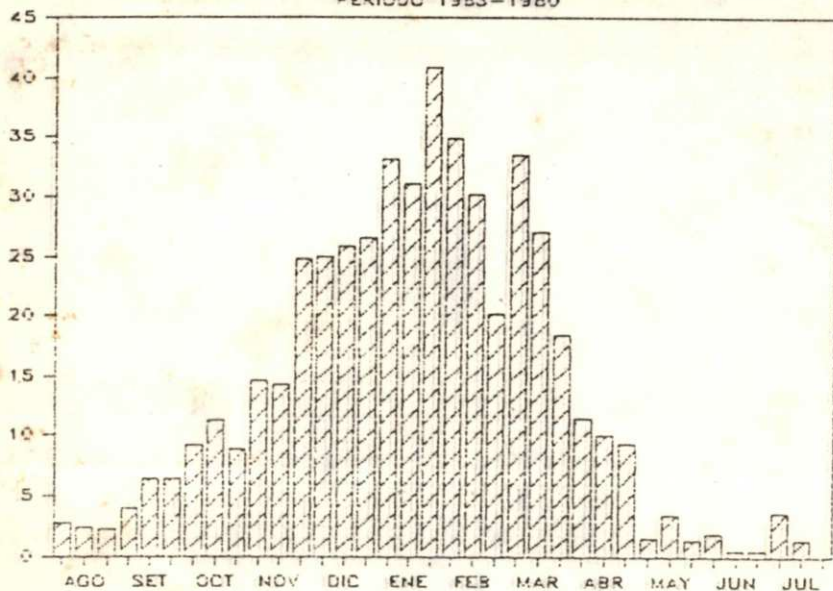
DÌC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.1	22.0	22.9	23.0	22.1	21.5	21.6	21.5	22.1	22.5	22.0	21.4
2	22.5	22.3	23.2	23.1	21.5	21.2	21.2	21.4	22.4	22.0	21.9	21.6
3	22.4	23.0	23.3	22.4	21.9	21.2	21.7	22.1	22.6	22.2	22.3	22.3

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DÌC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.8	4.7	6.6	7.4	8.2	7.9	8.1	8.2	7.1	4.4	2.6	1.6
2	3.2	5.3	6.9	7.7	8.1	8.0	8.5	8.4	6.2	4.3	1.9	1.8
3	4.3	5.8	7.2	8.3	7.9	8.2	8.3	7.9	5.6	3.2	1.7	1.9

CALCA - PRECIPITACION

PERIODO 1953-1980



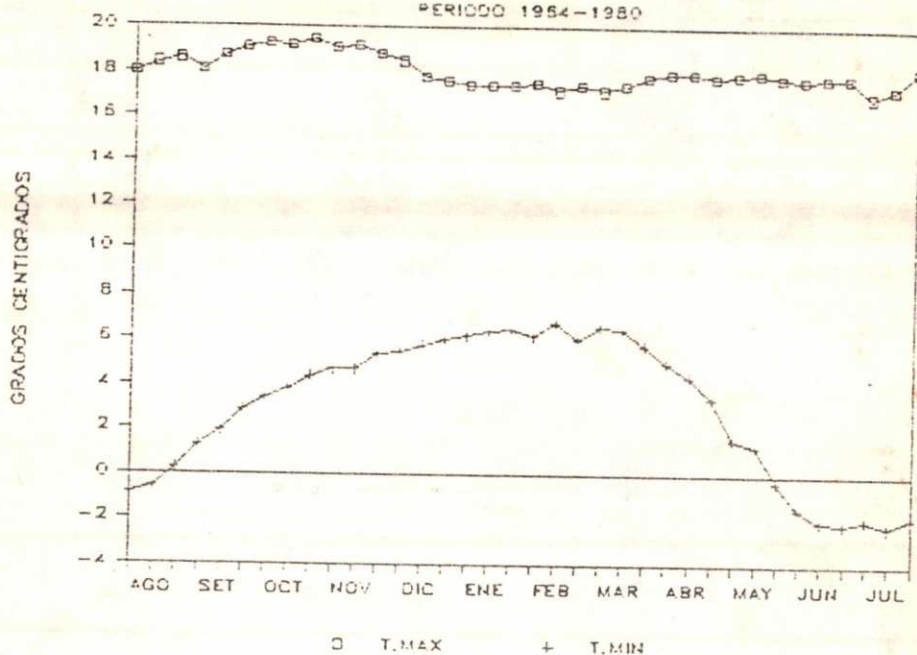
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.8	3.9	9.2	14.6	24.9	33.2	34.9	33.5	11.4	1.6	1.8	3.7
2	2.3	6.4	11.3	14.3	25.9	31.0	30.2	27.1	10.1	3.4	0.5	1.4
3	2.2	6.4	8.8	24.8	26.5	40.8	20.2	18.4	9.4	1.3	0.5	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 498.7 (mm)

ANTA - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

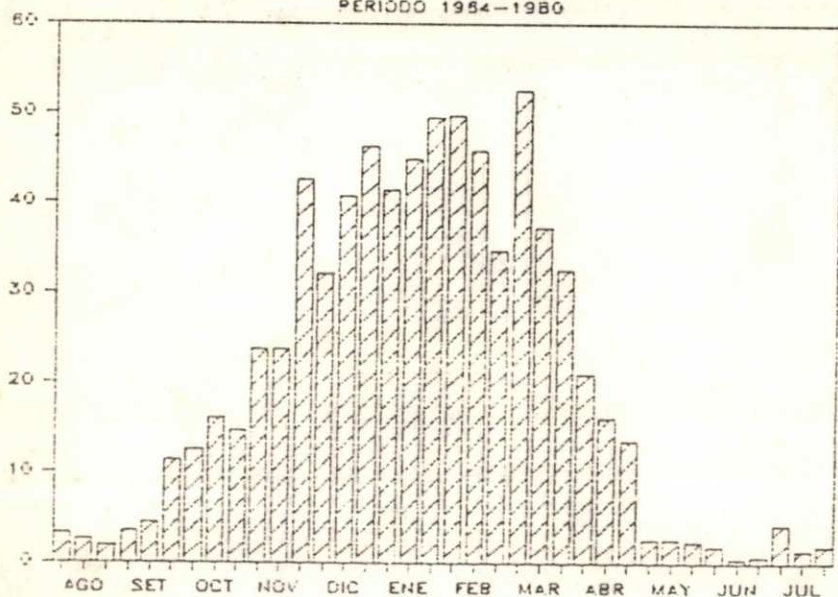
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.0	18.1	19.3	19.1	18.5	17.4	17.5	17.2	18.0	17.9	17.7	17.0
2	18.4	18.7	19.2	19.2	17.8	17.4	17.2	17.4	18.0	18.0	17.8	17.3
3	18.6	19.1	19.5	18.8	17.6	17.4	17.4	17.8	17.8	17.8	17.8	18.2

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-0.9	1.3	3.4	4.7	5.5	6.2	6.2	6.6	5.0	1.6	-1.5	-2.0
2	-0.6	1.9	3.8	4.7	5.8	6.4	6.8	6.5	4.4	1.3	-2.1	-2.3
3	0.3	2.9	4.4	5.4	6.0	6.5	6.0	5.8	3.4	-0.3	-2.2	-1.9

ANTA - PRECIPITACION

PERIODO 1954-1980



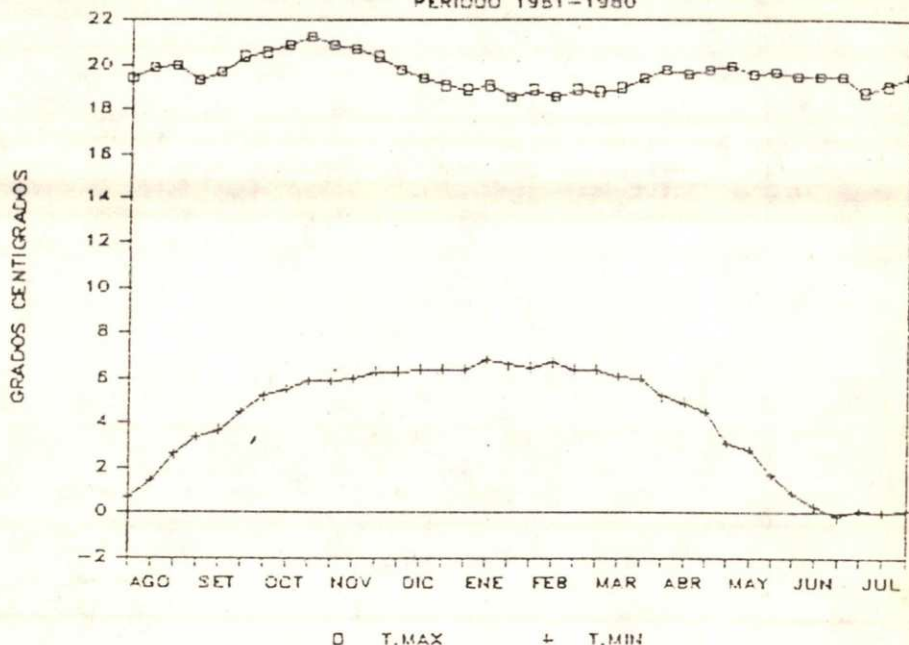
PRECIPITACION NORMAL DECADAL (mm)

AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
3.1	3.4	12.5	23.8	32.2	41.5	49.9	52.7	20.9	2.6	1.7	4.1
2.5	4.4	15.9	23.8	40.7	44.9	45.9	37.3	15.9	2.4	0.3	1.4
1.9	11.4	14.5	42.5	46.3	49.5	34.7	32.6	13.4	2.3	0.5	1.8

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 735.2 (mm)

CUZCO - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

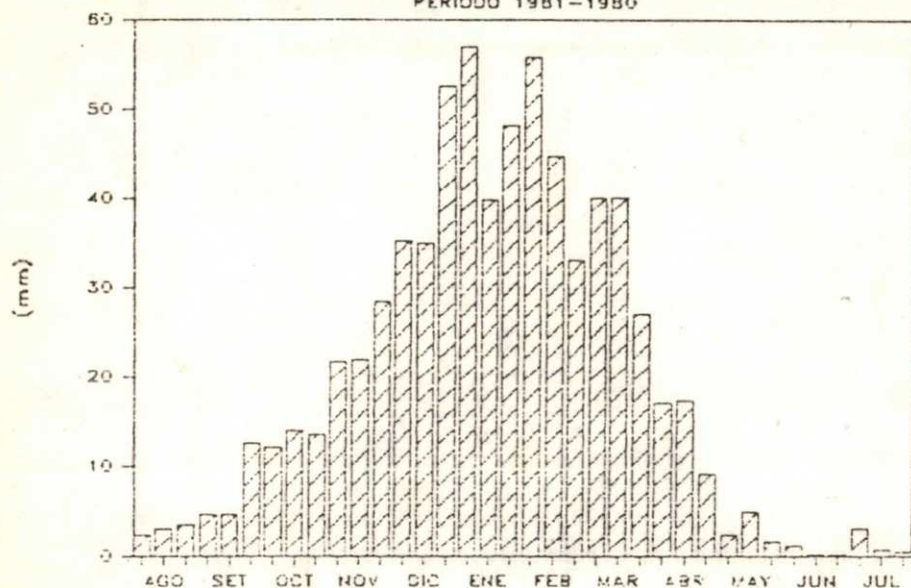
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.4	19.3	20.6	20.9	19.8	18.9	18.9	18.8	19.8	20.0	19.5	18.8
2	19.9	19.7	20.9	20.7	19.4	19.1	18.6	19.0	19.6	19.6	19.5	19.1
3	20.0	20.4	21.3	20.4	19.1	18.6	18.9	19.4	19.8	19.7	19.5	19.5

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.7	3.4	5.2	5.9	6.3	6.4	6.5	6.4	5.2	3.1	0.9	0.1
2	1.4	3.7	5.5	6.0	6.4	6.8	6.7	6.1	4.9	2.8	0.3	0.0
3	2.6	4.5	5.9	6.3	6.4	6.6	6.4	6.0	4.5	1.7	-0.2	0.1

CUZCO - PRECIPITACION

PERIODO 1981-1980



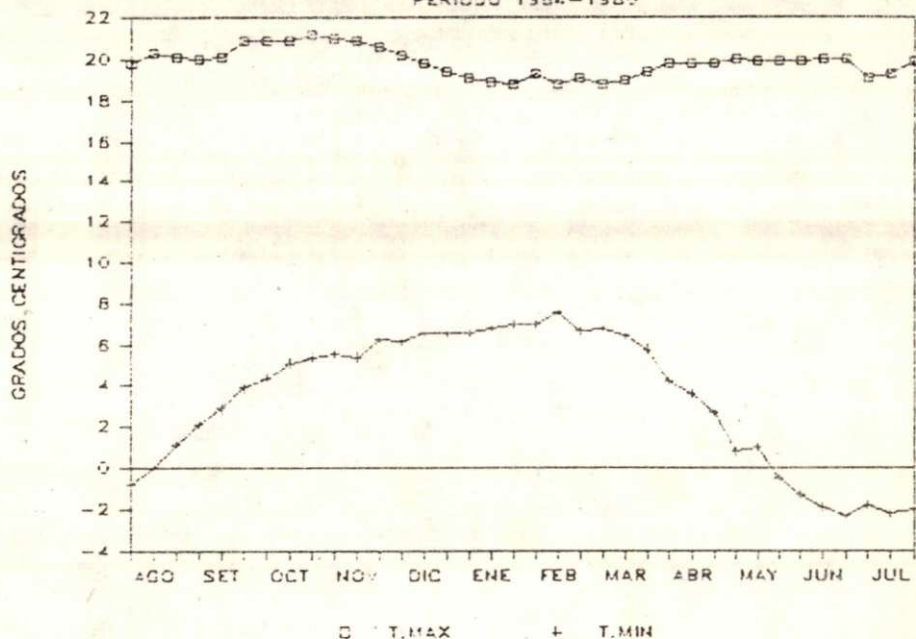
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.3	4.7	12.0	21.7	35.2	57.1	56.0	40.1	17.0	2.3	1.1	2.9	
2	2.9	4.7	14.0	21.8	34.9	39.9	44.6	40.0	17.2	4.9	0.2	0.7	
3	3.4	12.4	13.4	28.4	52.6	48.3	33.1	26.9	9.0	1.5	0.2	0.4	

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 707.8 (mm)

G. KAYRA - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

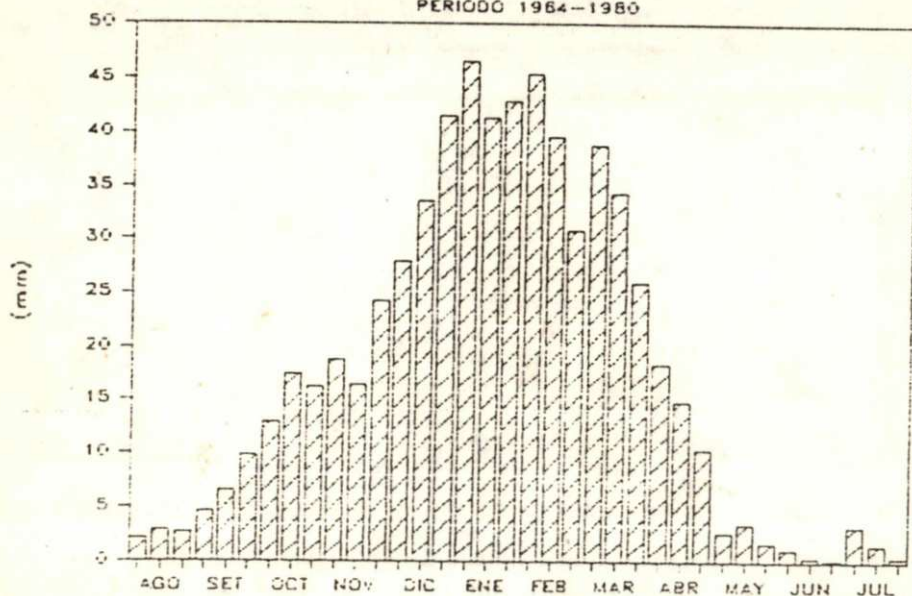
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	19.8	20.0	20.9	21.0	20.2	19.1	19.3	18.8	19.8	20.0	19.9	19.1
2	20.3	20.1	20.9	20.9	19.8	18.9	18.8	19.0	19.8	19.9	20.0	19.3
3	20.1	20.9	21.2	20.6	19.4	18.8	19.1	19.4	19.8	19.9	20.0	19.9

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-0.8	2.1	4.4	5.6	6.2	6.6	7.0	6.8	4.3	0.8	-1.3	-1.8
2	0.0	2.9	5.1	5.4	6.6	6.8	7.6	6.5	3.6	1.0	-1.9	-2.2
3	1.1	3.9	5.4	6.3	6.6	7.0	6.7	5.8	2.7	-0.5	-2.3	-2.0

G. KAYRA - PRECIPITACION

PERIODO 1964-1980



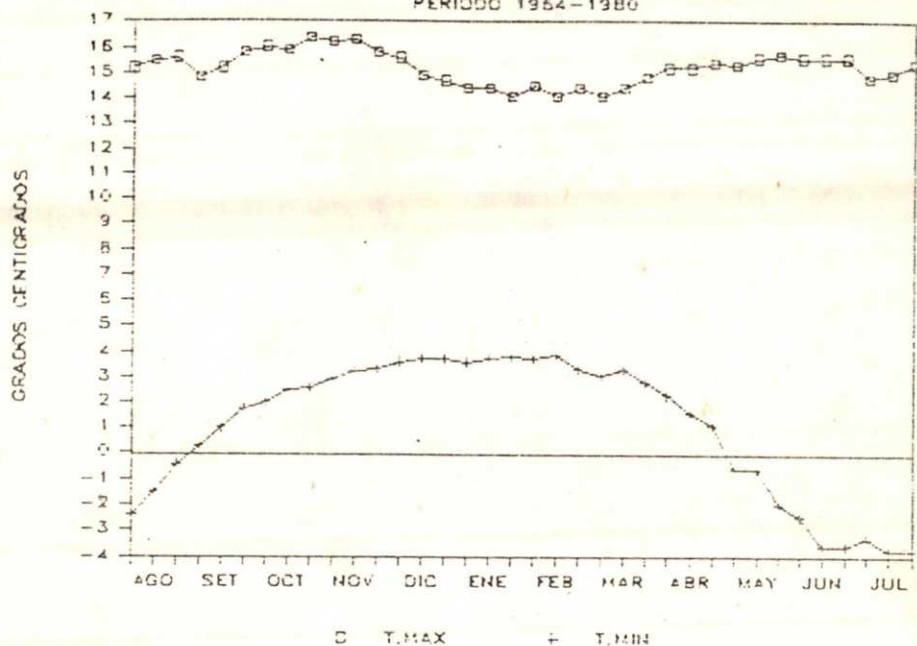
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.1	4.6	12.9	18.7	27.9	46.6	45.4	38.7	18.4	2.7	1.1	3.3
2	2.9	6.5	17.4	16.4	33.5	41.4	39.5	34.3	14.8	3.5	0.4	1.4
3	2.6	9.9	16.2	24.3	41.6	42.8	30.8	25.9	10.5	1.7	0.1	0.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 641.1 (mm)

COATCCA - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

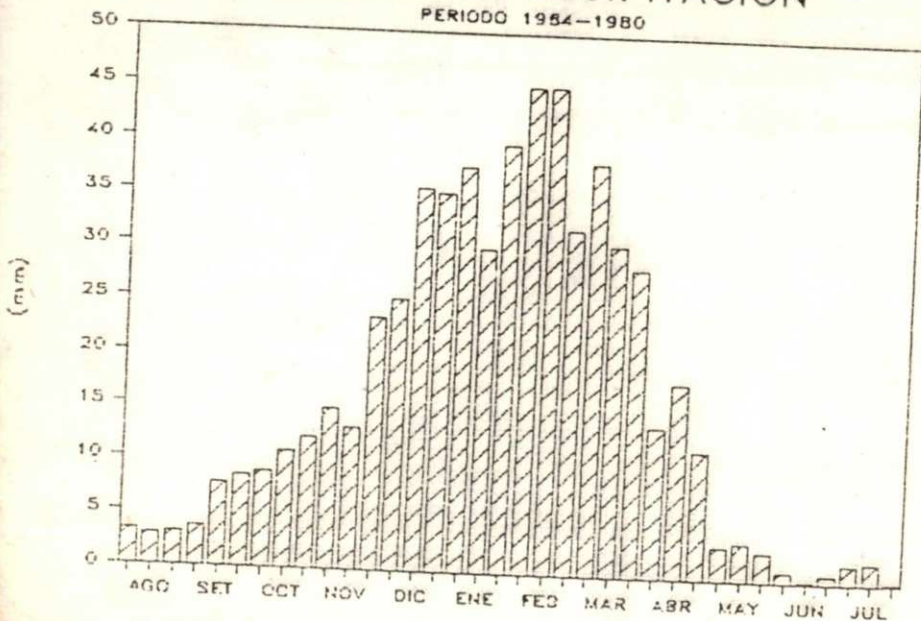
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.2	14.8	16.0	16.2	15.6	14.4	14.5	14.1	15.2	15.3	15.6	14.8
2	15.5	15.2	15.9	16.3	14.9	14.4	14.1	14.4	15.2	15.6	15.6	15.0
3	15.6	15.8	16.4	15.8	14.7	14.1	14.4	14.8	15.4	15.7	15.6	15.4

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-2.4	0.3	-2.0	2.9	3.6	3.6	3.7	3.1	2.3	-0.6	-2.5	-3.3
2	-1.5	1.0	2.5	3.2	3.7	3.7	3.9	3.3	1.6	-0.6	-3.6	-3.8
3	-0.4	1.8	2.6	3.3	3.7	3.8	3.3	2.8	1.1	-2.0	-3.6	-3.8

CCATCCA - PRECIPITACION

PERIODO 1954-1980



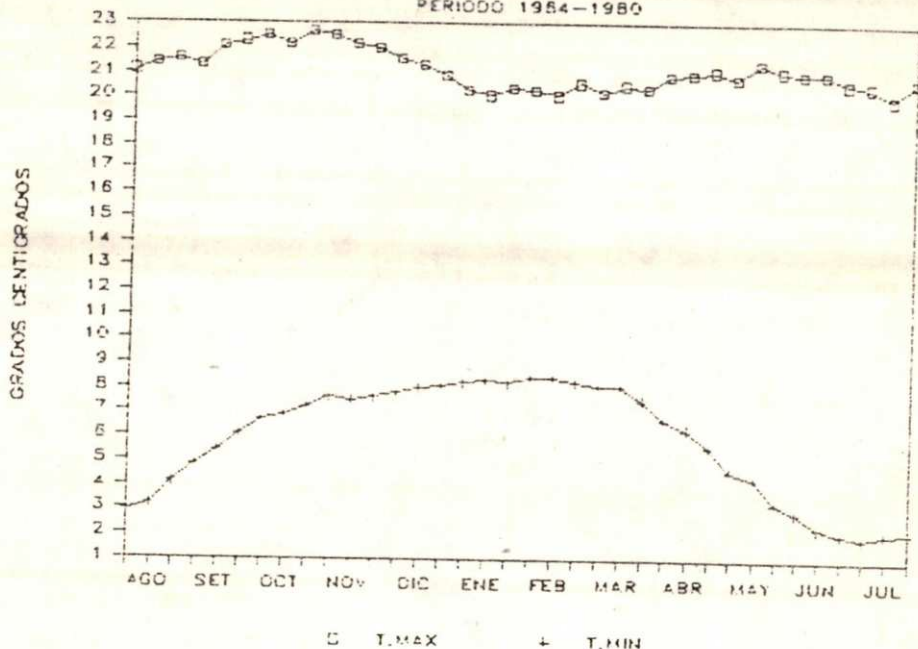
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.2	3.7	8.8	14.9	25.2	37.7	45.3	38.2	14.0	3.0	0.9	1.7
2	2.8	7.7	10.9	13.2	35.6	30.1	45.3	30.7	18.1	3.4	0.1	1.9
3	3.1	8.5	12.1	23.5	35.1	39.7	32.0	28.6	11.7	2.7	0.8	0.2

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 594.4 (mm)

PARURO -TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

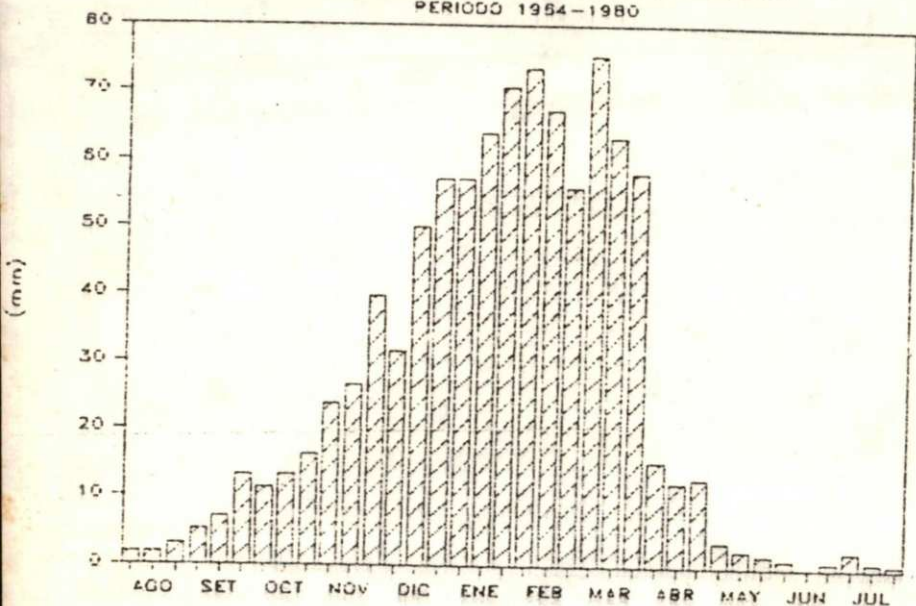
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.1	21.3	22.5	22.5	21.6	20.3	20.3	20.2	20.9	20.8	21.0	20.5
2	21.4	22.1	22.2	22.2	21.3	20.1	20.1	20.5	21.0	21.4	21.0	21.0
3	21.6	22.3	22.7	22.0	20.9	20.4	20.6	20.4	21.1	21.1	20.6	20.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.9	4.8	6.7	7.6	7.8	8.2	8.4	8.1	6.7	4.6	2.9	1.9
2	3.2	5.4	6.9	7.5	8.0	8.3	8.4	8.1	6.3	4.3	2.3	2.1
3	4.1	6.1	7.2	7.6	8.1	8.2	8.2	7.5	5.6	3.3	2.1	2.2

PARURO - PRECIPITACION

PERIODO 1954-1980



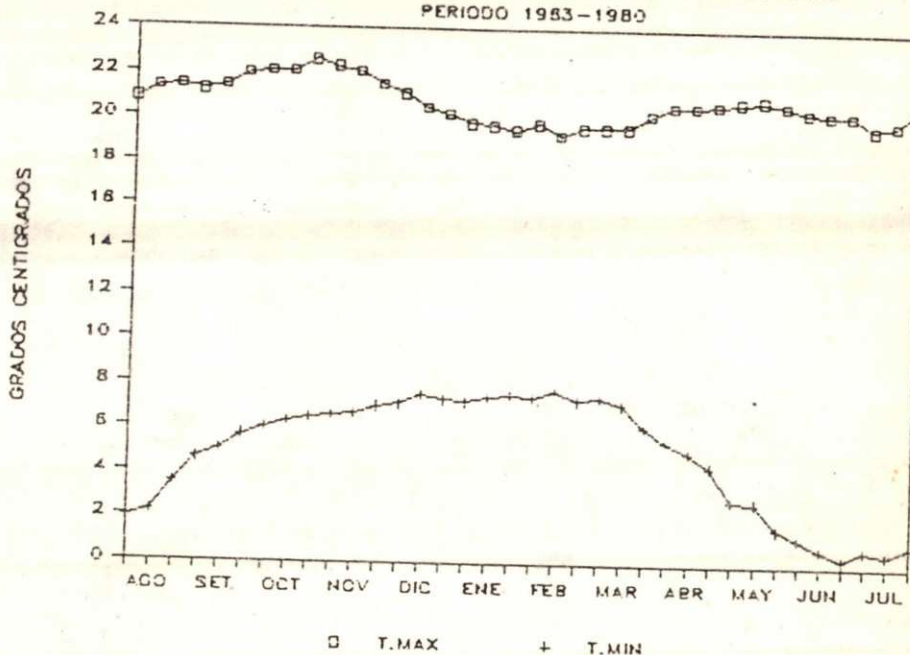
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.7	5.2	11.5	23.9	31.6	57.2	73.7	75.4	15.3	3.5	1.2	2.5
2	1.9	6.9	13.4	26.5	49.9	63.9	67.4	63.4	12.2	2.5	0.0	0.7
3	2.9	13.2	16.5	39.6	57.2	70.7	55.8	58.1	12.8	1.8	0.8	0.5

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 941.3 (mm)

ACOMAYO - TEMP. EXTREMAS

PERIODO 1983-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

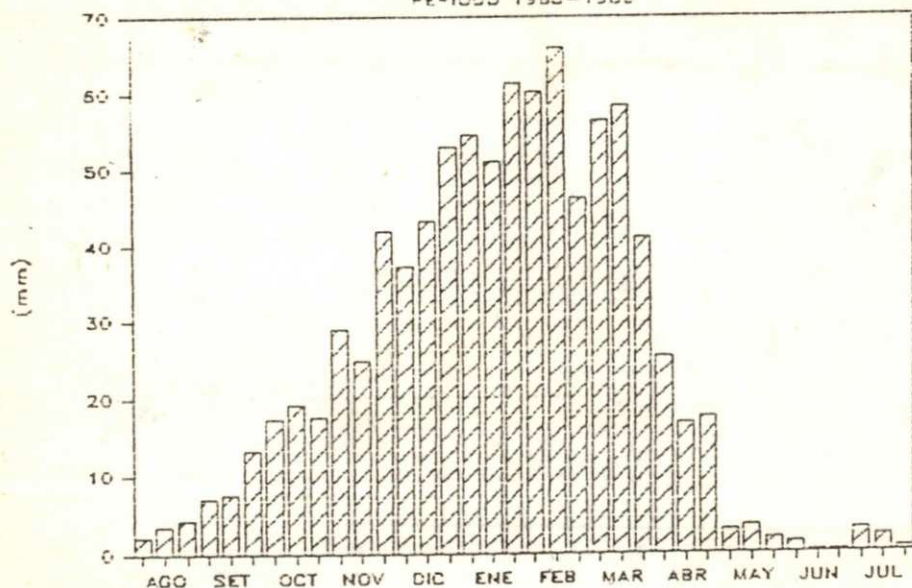
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.8	21.2	22.1	22.3	21.1	19.8	19.8	19.6	20.6	20.8	20.4	19.7
2	21.3	21.4	22.1	22.1	20.5	19.7	19.3	19.6	20.6	20.9	20.3	19.9
3	21.4	22.0	22.6	21.5	20.2	19.5	19.6	20.2	20.7	20.7	20.3	20.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.9	4.6	6.0	6.6	7.1	7.2	7.4	7.4	5.5	2.9	1.2	0.7
2	2.2	5.0	6.3	6.7	7.5	7.4	7.7	7.1	5.0	2.8	0.7	0.5
3	3.5	5.7	6.5	7.0	7.3	7.5	7.3	6.1	4.4	1.6	0.3	0.9

ACOMAYO - PRECIPITACION

PERIODO 1953-1980



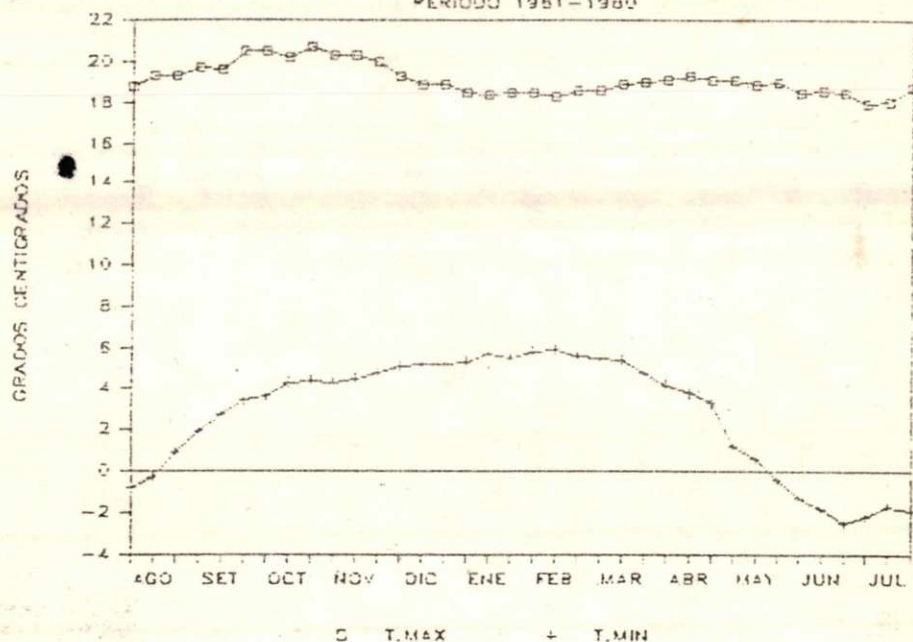
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
-1	2.2	6.9	17.2	29.0	37.1	54.6	60.4	56.5	25.6	2.8	1.3	2.9
2	3.5	7.5	19.1	25.0	43.3	51.0	66.1	58.5	16.8	3.3	0.2	2.1
3	4.2	13.2	17.6	41.9	53.0	61.4	46.2	41.0	17.7	1.9	0.1	0.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 891.4 (mm)

SICUANI - TEMP. EXTREMAS

PERIODO 1951-1960



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

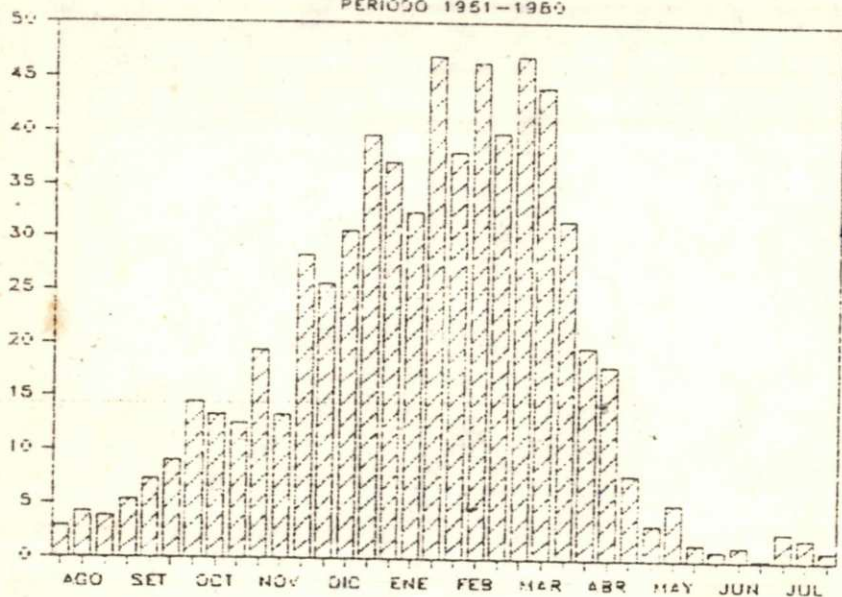
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.8	19.7	20.5	20.3	19.3	18.5	18.6	18.6	19.1	19.1	18.5	18.0
2	19.3	19.6	20.2	20.3	18.9	18.4	18.3	18.9	19.3	18.9	18.6	18.1
3	19.3	20.5	20.7	20.0	18.9	18.5	18.6	19.0	19.1	19.0	18.5	18.8

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-0.8	1.9	3.6	4.3	5.1	5.3	5.8	5.5	4.2	1.2	-1.3	-2.2
2	-0.3	2.7	4.3	4.5	5.2	5.7	5.9	5.4	3.8	0.6	-1.8	-1.7
3	0.9	3.4	4.4	4.8	5.2	5.5	5.6	4.8	3.3	-0.4	-2.5	-1.9

SICUANI - PRECIPITACION

PERIODO 1951-1960



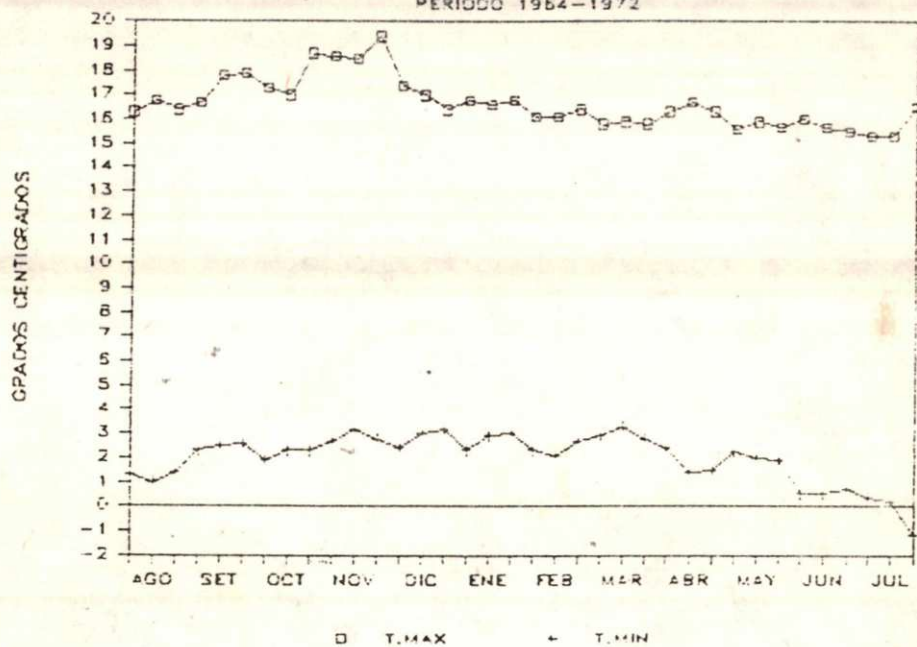
PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.8	5.3	14.4	19.3	25.6	37.1	38.1	46.9	19.7	3.3	0.9	2.7
2	4.2	7.3	13.3	15.3	30.7	32.4	46.4	44.1	18.1	5.2	1.2	2.0
3	3.9	9.1	12.5	28.3	39.5	47.0	39.7	31.6	7.8	1.4	0.1	0.9

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 656.1 (mm)

SANTO TOMAS - TEMP. EXTREMAS

PERIODO 1964-1972



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

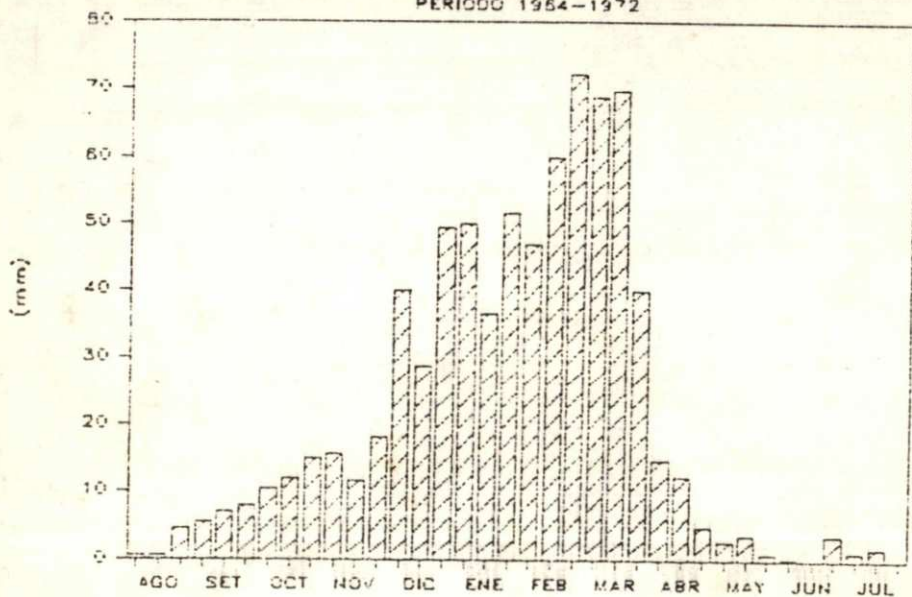
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	16.3	16.7	17.3	18.6	17.4	16.8	16.1	15.8	16.3	15.6	16.0	15.3
2	16.8	17.8	17.0	18.5	17.0	16.6	16.1	15.9	16.7	15.9	15.7	15.3
3	16.4	17.9	18.7	19.4	16.4	16.8	16.4	15.8	16.3	15.7	15.5	16.5

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.3	2.3	1.9	2.7	2.4	2.3	2.3	2.9	2.4	2.2	0.5	0.4
2	1.0	2.5	2.3	3.2	3.0	2.9	2.1	3.3	1.4	2.0	0.5	0.2
3	1.4	2.6	2.3	2.8	3.2	3.0	2.7	2.8	1.5	1.9	0.7	-1.2

SANTO TOMAS - PRECIPITACION

PERIODO 1954-1972



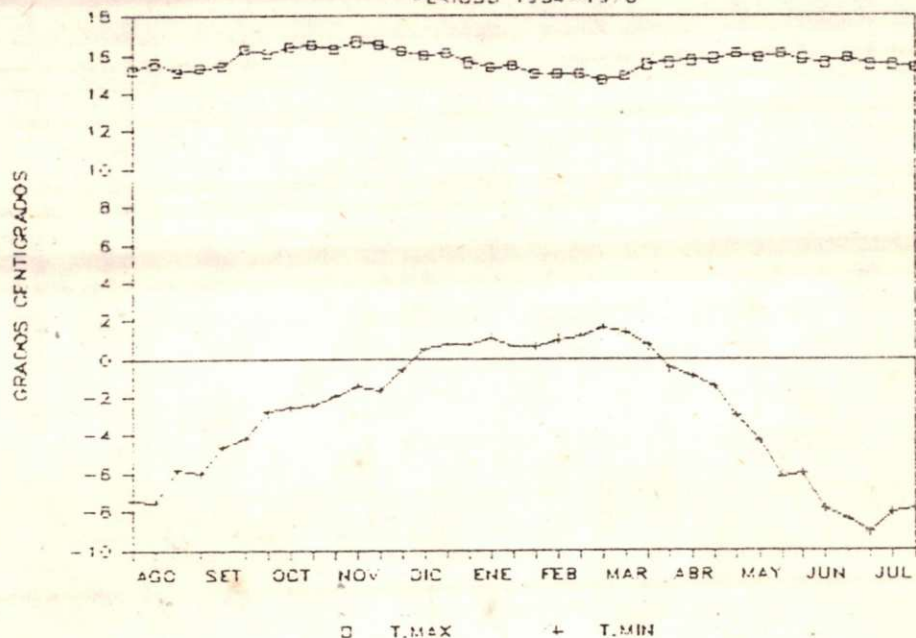
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	0.6	5.5	10.5	15.6	39.9	49.8	46.8	68.9	14.7	2.7	0.3	1.1
2	0.5	6.9	12.0	11.8	28.9	36.5	59.9	69.9	12.3	3.7	0.0	1.8
3	4.4	8.0	15.0	18.1	49.4	51.4	72.4	40.1	4.9	0.8	3.5	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 768.6 (mm)

YAURI - TEMP. EXTREMAS

PERIODO 1954-1976



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

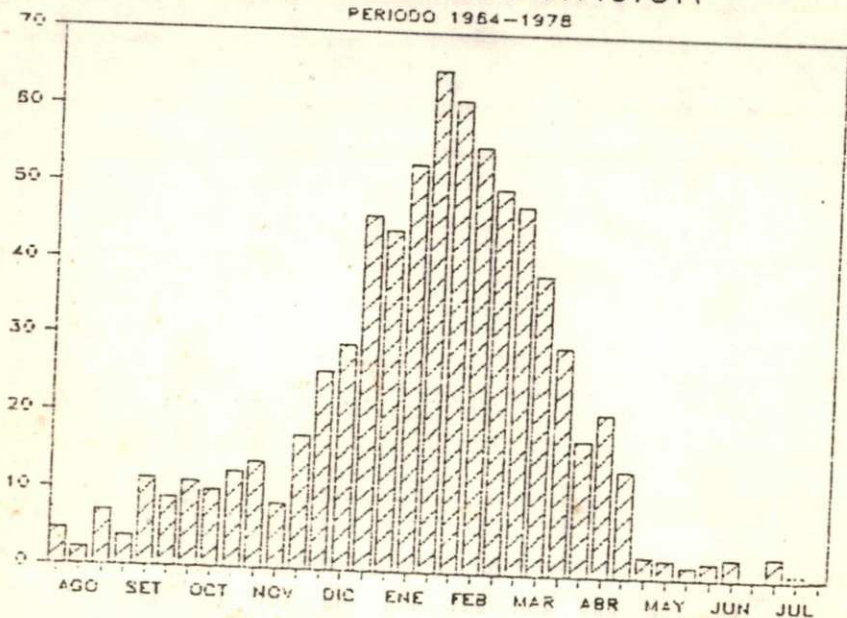
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.2	15.3	16.1	16.3	16.2	15.6	15.0	14.7	15.6	16.1	15.8	15.5
2	15.6	15.4	16.4	16.7	16.0	15.3	15.0	14.9	15.7	15.9	15.6	15.5
3	15.1	16.3	16.5	16.5	16.1	15.4	15.0	15.5	15.8	16.1	15.9	15.3

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-7.4	-6.0	-2.8	-2.0	-0.6	0.7	0.6	1.6	-0.5	-3.0	-6.0	-9.1
2	-7.5	-4.6	-2.5	-1.4	0.5	1.1	1.0	1.4	-0.9	-4.3	-7.9	-8.1
3	-5.8	-4.2	-2.4	-1.7	0.7	0.6	1.2	0.7	-1.4	-6.2	-8.4	-7.9

YAURI - PRECIPITACION

PERIODO 1964-1978



PRECIPITACION NORMAL DECADAL (mm)

	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.6	3.7	11.1	13.9	25.8	44.3	61.4	47.7	17.6	2.7	2.1	2.8
2	2.2	11.3	9.9	8.3	29.2	53.0	55.3	38.8	21.1	2.3	2.7	0.8
3	7.0	8.9	12.4	17.2	46.2	65.2	50.0	29.6	13.9	1.6	0.0	0.1

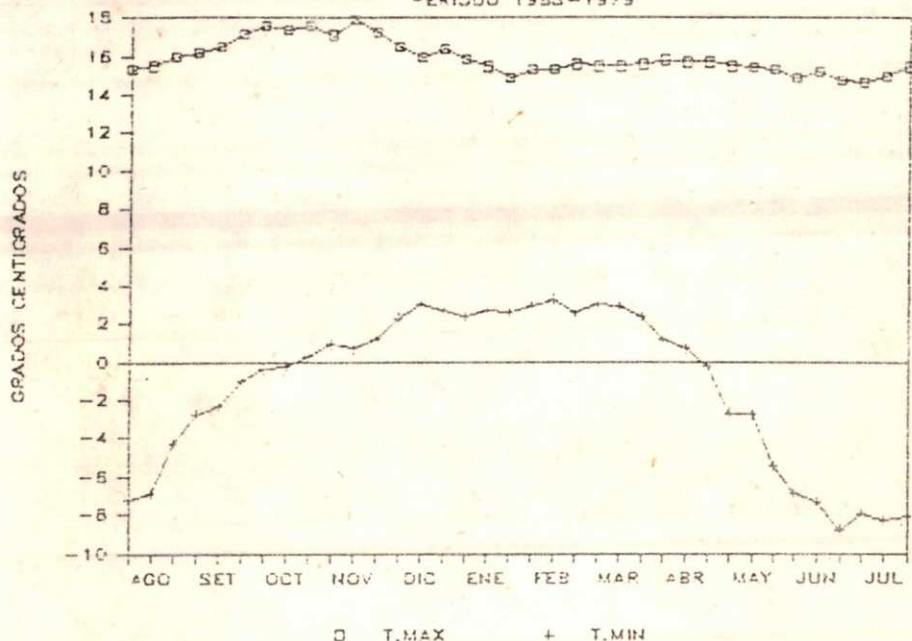
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 724.7 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE PUNO

NOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
AYAVIRI	MELGAR	AYAVIRI	14:53	70:35	3806
ARAPA	AZANGARO	ARAPA	15:08	70:07	3880
HUANCANE	HUANCANE	HUANCANE	15:12	69:45	3841
LAMPA	LAMPA	LAMPA	15:22	70:22	3892
JULIACA	SAN RAMON	JULIACA	15:28	70:09	3824
CABANILLAS	SAN ROMAN	CABANILLAS	15:38	70:21	3885
PUNO	PUNO	PUNO	15:52	70:00	3875
COLLACACHI	PUNO	PUNO	15:58	69:59	3900
ILAVE	CHUCUITO	ILAVE	16:05	69:38	3825
YUNGUYO	CHUCUITO	YUNGUYO	16:15	69:05	3826

AYAVIRI - TEMP. EXTREMAS

PERIODO 1953-1979



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

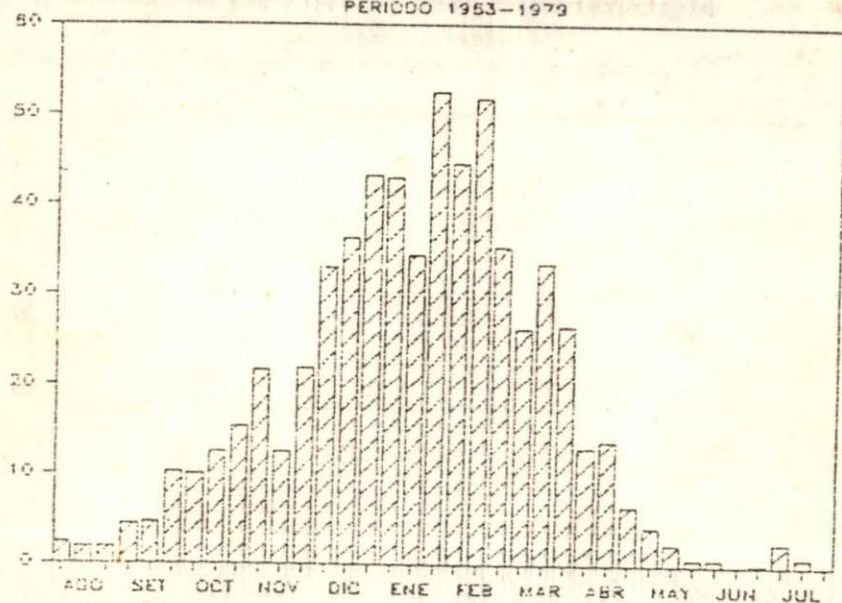
	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.3	16.2	17.6	17.1	16.5	15.9	15.3	15.5	15.8	15.5	14.9	14.7	
2	15.5	16.5	17.4	17.9	16.0	15.5	15.3	15.5	15.7	15.4	15.2	15.0	
3	16.0	17.2	17.6	17.3	16.4	14.9	15.6	15.6	15.7	15.3	14.8	15.5	

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-7.2	-2.7	-0.4	0.9	2.3	2.4	2.9	3.0	1.2	-2.7	-6.9	-8.0	
2	-6.9	-2.3	-0.2	0.7	3.0	2.7	3.3	2.9	0.7	-2.8	-7.3	-8.3	
3	-4.3	-1.0	0.3	1.2	2.7	2.6	2.6	2.4	-0.2	-5.5	-6.8	-8.1	

AYAVIRI - PRECIPITACION

PERIODO 1953-1979



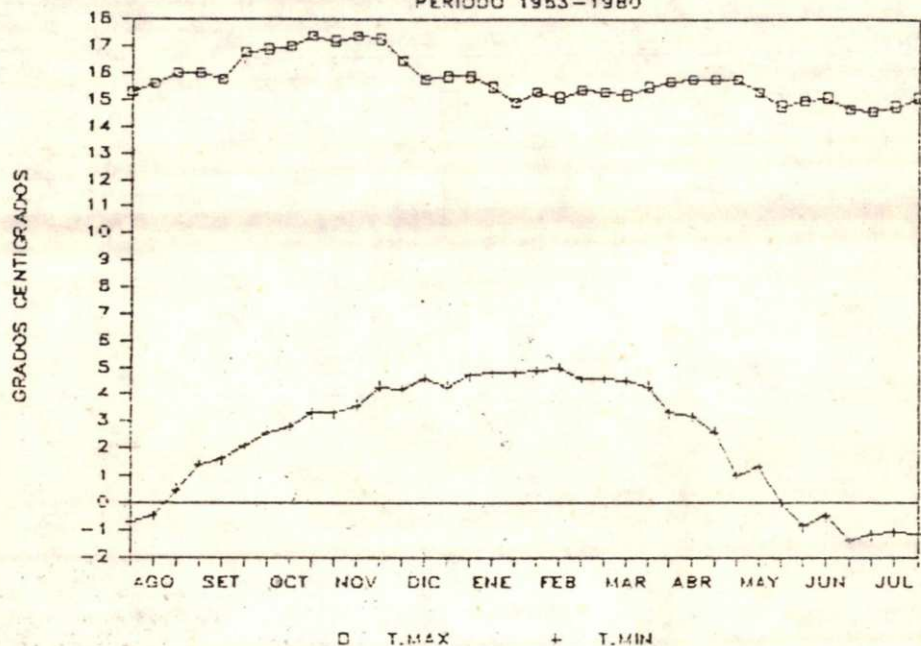
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.2	4.3	9.9	21.6	33.0	43.0	44.6	26.2	13.0	4.0	0.5	2.4
2	1.9	4.5	12.6	12.5	36.3	34.5	52.0	33.4	13.8	2.3	0.0	0.8
3	1.8	10.1	15.4	21.8	43.3	52.7	35.3	26.5	6.5	0.6	0.1	0.0

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 623.4 (mm)

ARAPA - TEMP. EXTREMAS

PERIODO 1953-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

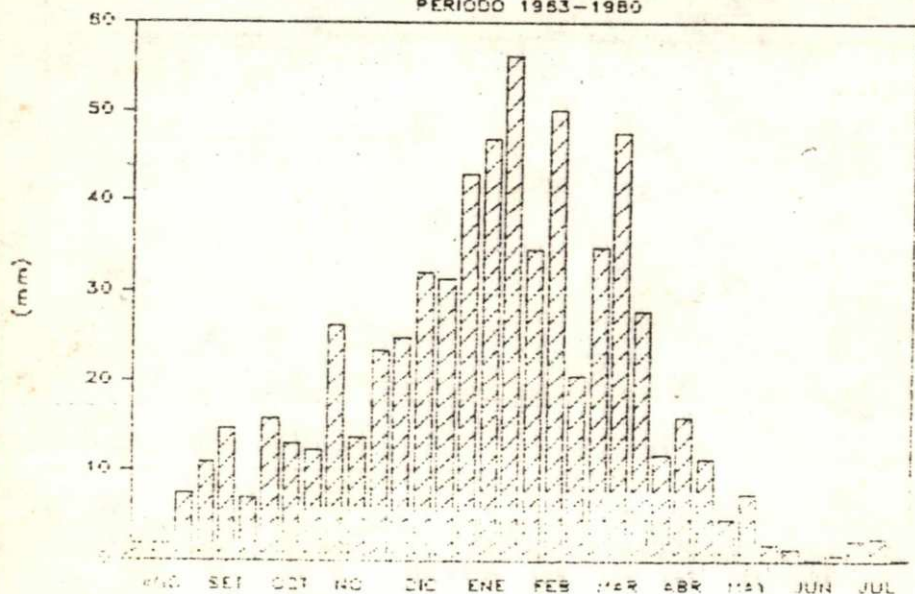
	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.3	16.0	16.9	17.2	16.5	15.9	15.3	15.3	15.3	15.7	15.8	15.0	14.6
2	15.6	15.8	17.0	17.4	15.8	15.5	15.1	15.2	15.8	15.3	15.1	14.8	
3	16.0	16.8	17.4	17.3	15.9	14.9	15.4	15.5	15.8	14.8	14.7	15.1	

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-0.7	1.4	2.6	3.3	4.2	4.7	4.9	4.6	3.3	1.0	-0.9	-1.2	
2	-0.5	1.6	2.8	3.6	4.6	4.8	5.0	4.5	3.2	1.3	-0.5	-1.1	
3	0.5	2.1	3.3	4.3	4.3	4.8	4.6	4.3	2.6	0.0	-1.4	-1.2	

ARAPA - PRECIPITACION

PERIODO 1953-1980

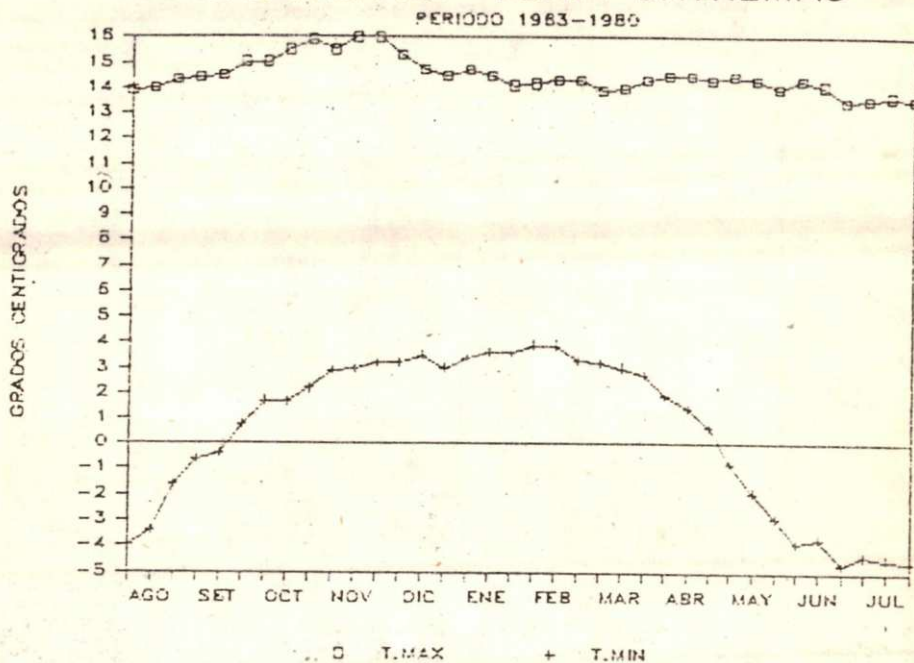


PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.7	11.0	15.8	26.2	24.8	43.0	34.7	34.9	11.9	4.7	1.4	2.2	
2	1.7	14.7	13.0	13.8	32.2	47.0	50.2	47.7	16.1	7.3	0.2	2.4	
3	7.3	6.9	12.3	23.5	31.3	56.4	20.7	27.9	11.4	1.9	0.6	0.2	

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 659.0 (mm)

HUANCANE. -TEMP. EXTREMAS



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

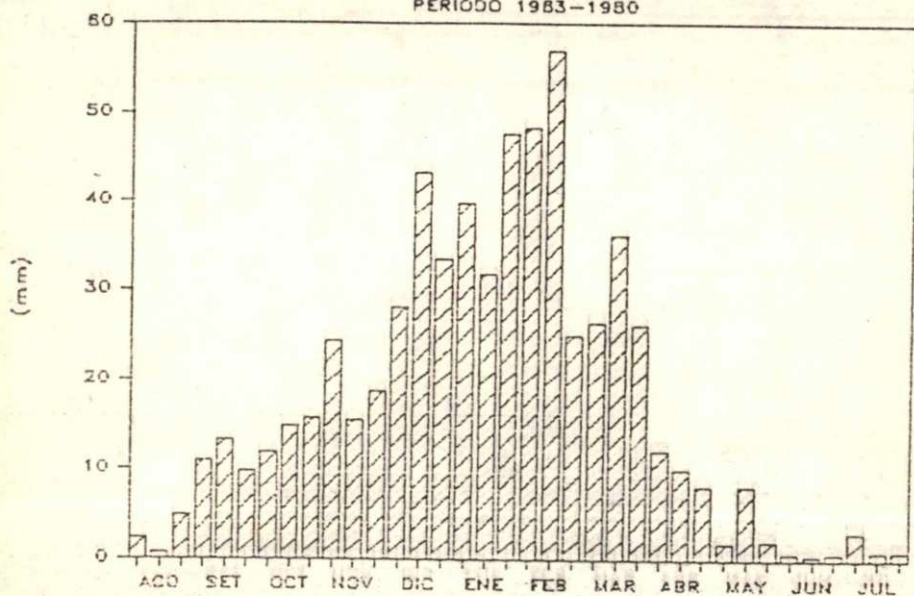
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.9	14.4	15.0	15.5	15.3	14.7	14.2	13.9	14.5	14.5	14.3	13.6
2	14.0	14.5	15.5	16.0	14.7	14.5	14.3	14.0	14.5	14.3	14.1	13.7
3	14.3	15.0	15.9	16.0	14.5	14.1	14.3	14.3	14.3	14.0	13.5	13.6

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-4.0	-0.6	1.7	2.9	3.2	3.4	3.9	3.2	1.9	-0.8	-3.9	-4.4
2	-3.4	-0.4	1.7	3.0	3.5	3.6	3.9	3.0	1.4	-1.9	-3.7	-4.5
3	-1.6	0.8	2.2	3.2	3.0	3.6	3.3	2.7	0.7	-2.9	-4.7	-4.6

HUANCANE - PRECIPITACION

PERIODO 1983-1980



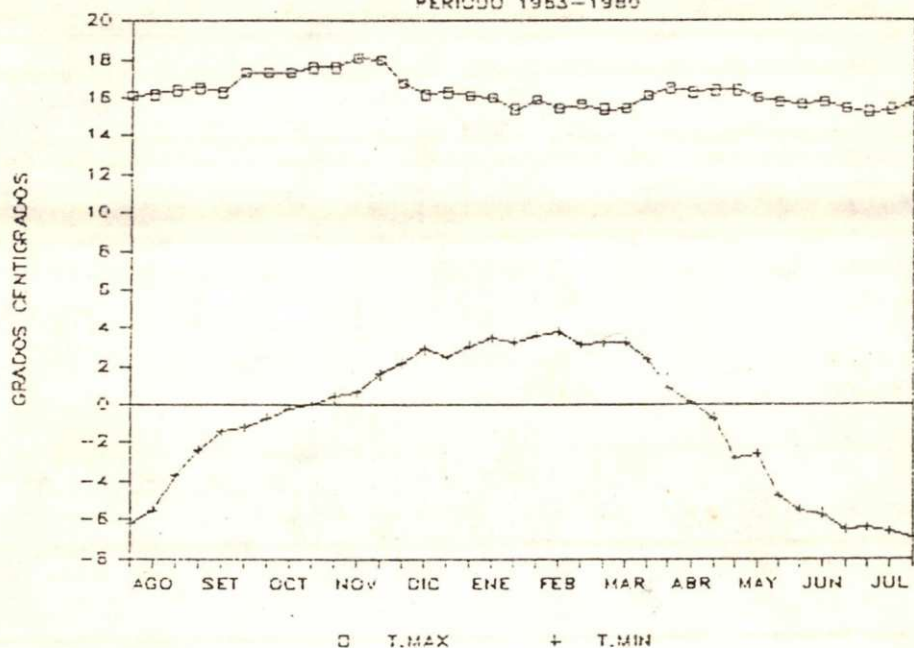
PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.3	10.9	11.8	24.3	28.2	39.7	48.5	26.5	12.1	1.7	0.6	2.9	
2	0.6	13.3	14.8	15.5	43.2	31.9	57.0	36.3	10.0	8.0	0.4	0.9	
3	4.9	9.7	15.8	18.7	33.5	47.7	25.1	26.2	8.1	2.1	0.6	0.9	

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 634.7 (mm)

LAMPA - TEMP. EXTREMAS

PERIODO 1953-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

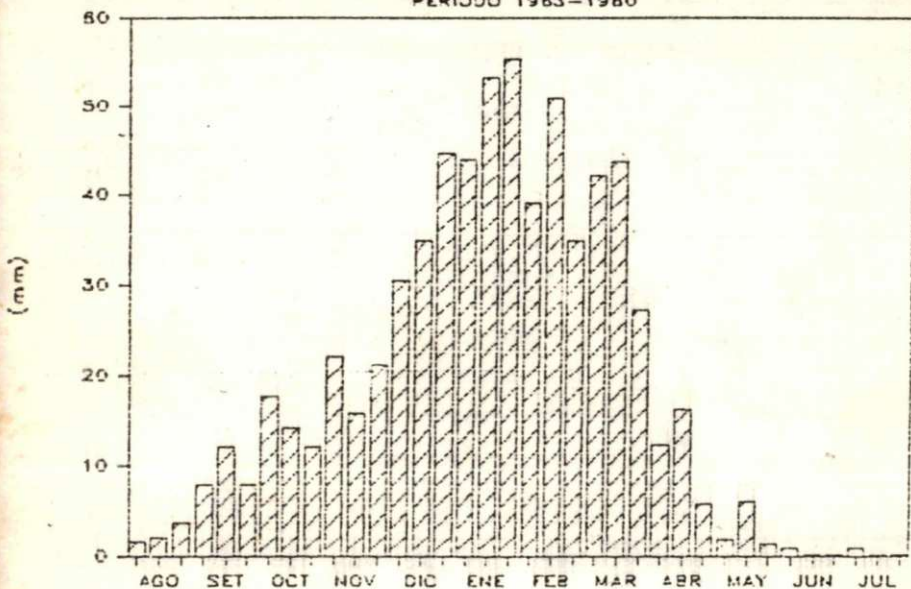
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	16.1	16.5	17.3	17.6	16.8	16.1	15.9	15.4	16.5	16.4	15.7	15.3
2	16.2	16.3	17.3	18.1	16.2	16.0	15.5	15.5	16.3	16.0	15.8	15.4
3	16.4	17.3	17.6	18.0	16.3	15.4	15.7	16.1	16.4	15.8	15.5	15.8

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-6.2	-2.4	-0.7	0.4	2.2	3.1	3.6	3.3	0.9	-2.8	-5.5	-6.4
2	-5.5	-1.4	-0.2	0.7	2.9	3.5	3.8	3.3	0.1	-2.6	-5.7	-6.6
3	-3.7	-1.2	0.0	1.6	2.5	3.3	3.2	2.4	-0.7	-4.8	-6.5	-7.0

LAMPA - PRECIPITACION

PERIODO 1963-1980



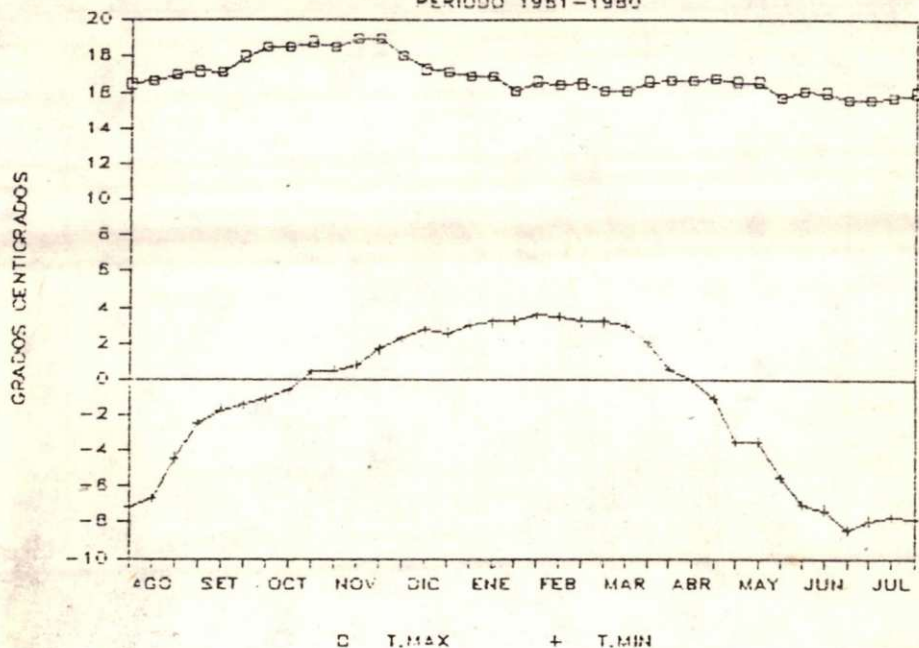
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.6	7.9	17.7	22.0	30.4	43.9	39.1	42.1	12.2	1.7	0.9	0.8
2	2.0	12.0	14.2	15.7	34.8	53.4	50.9	43.7	16.3	5.9	0.2	0.1
3	3.6	7.8	12.0	21.1	44.7	55.4	34.8	27.1	5.8	1.3	0.1	0.1

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 683.3 (mm)

JULIACA - TEMP. EXTREMAS

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

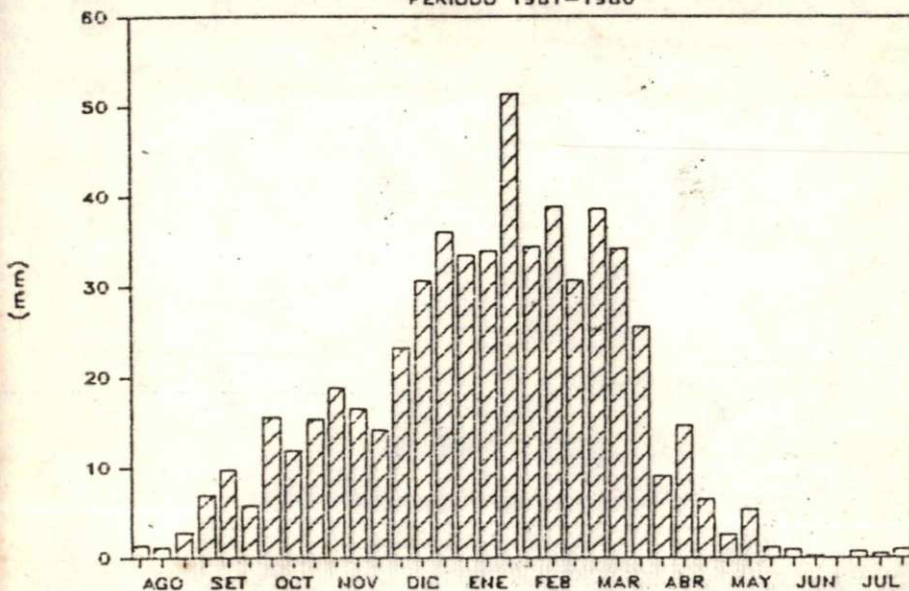
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	16.5	17.2	18.5	18.5	18.1	16.9	16.6	16.1	16.7	16.6	16.1	15.6
2	16.7	17.1	18.5	19.0	17.3	16.9	16.4	16.1	16.7	16.6	16.0	15.7
3	17.0	18.0	18.8	19.0	17.1	16.1	16.5	16.6	16.8	15.7	15.6	16.0

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-7.1	-2.5	-1.1	0.5	2.3	3.0	3.6	3.2	0.6	-3.5	-7.0	-7.9
2	-6.7	-1.7	-0.6	0.8	2.8	3.2	3.5	3.0	0.0	-3.5	-7.3	-7.7
3	-4.4	-1.4	0.4	1.7	2.6	3.3	3.2	2.1	-1.1	-5.5	-8.4	-7.8

JULIACA - PRECIPITACION

PERIODO 1981-1980



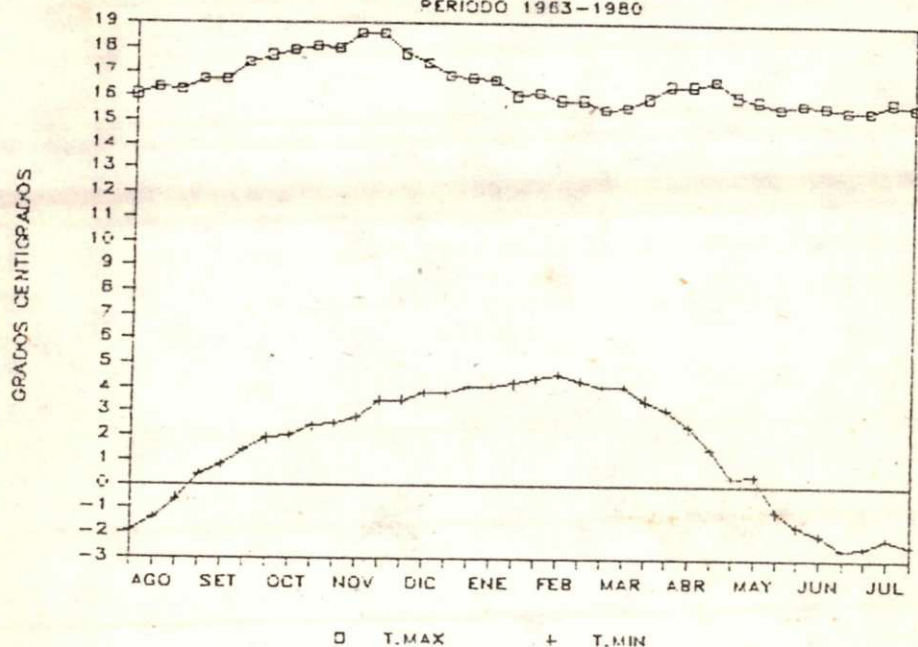
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.3	7.0	15.6	18.8	23.2	33.4	34.5	38.7	8.9	2.5	0.9	0.7
2	1.0	9.7	11.8	16.6	30.7	33.9	38.9	34.3	14.7	5.2	0.2	0.3
3	2.8	5.8	15.4	14.2	36.1	51.5	30.6	25.7	6.4	1.1	0.0	0.8

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 573.2 (mm)

CABANILLAS - TEMP. EXTREMAS

PERIODO 1963-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

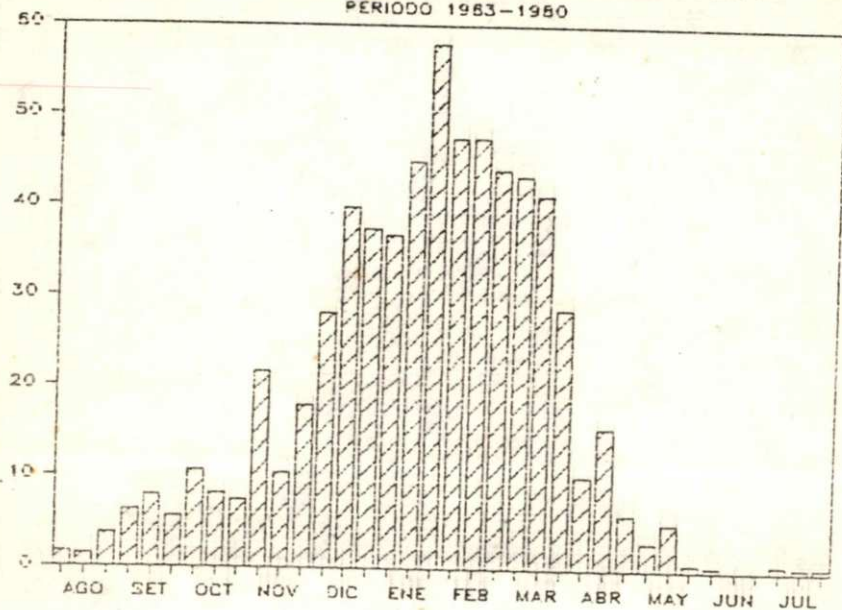
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	16.1	16.7	17.7	18.0	17.8	16.8	16.2	15.5	16.5	16.1	15.8	15.5
2	16.4	16.7	17.9	18.6	17.4	16.7	15.9	15.6	16.5	15.9	15.7	15.9
3	16.3	17.4	18.1	18.6	16.9	16.1	15.9	16.0	16.7	15.6	15.5	15.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-1.9	0.4	1.9	2.5	3.5	4.1	4.4	4.1	3.1	0.3	-1.7	-2.5
2	-1.4	0.8	2.0	2.8	3.8	4.1	4.6	4.1	2.4	0.4	-2.0	-2.2
3	-0.6	1.4	2.4	3.5	3.8	4.2	4.3	3.5	1.5	-1.1	-2.6	-2.4

CABANILLAS - PRECIPITACION

PERIODO 1983-1980



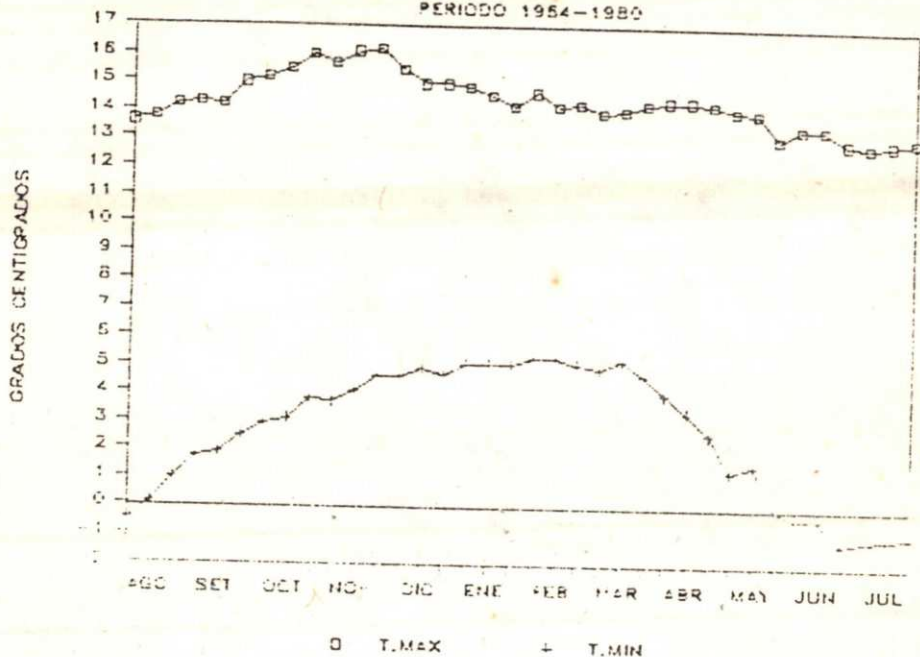
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	1.6	6.3	10.6	21.6	28.2	36.7	47.4	43.2	10.2	2.9	0.4	0.6
2	1.4	7.8	8.0	10.5	39.7	44.9	47.4	41.1	15.5	5.1	0.0	0.3
3	3.7	5.6	7.5	17.9	37.4	58.0	43.9	28.7	6.0	0.6	0.0	0.3

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 641.0 (mm)

PUNO - TEMP. EXTREMAS

PERIODO 1954-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

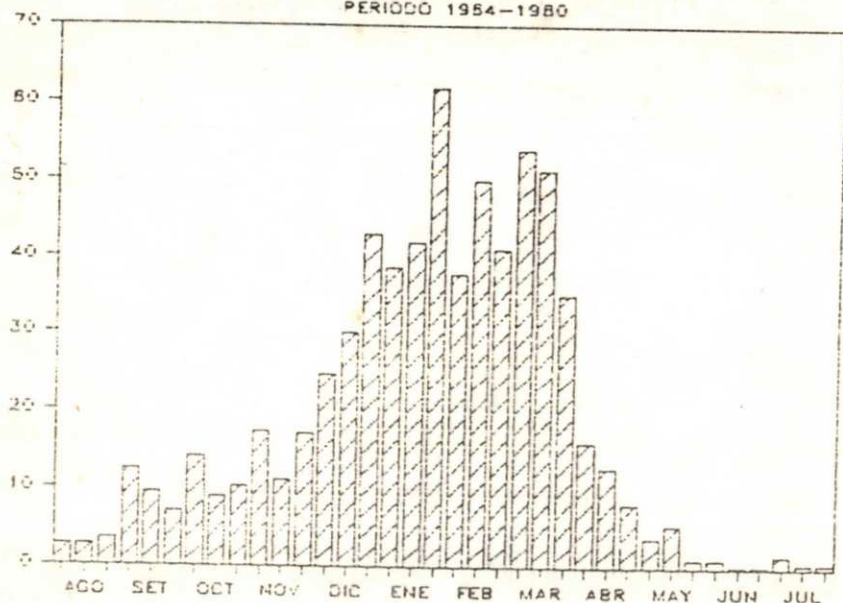
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.6	14.3	15.2	15.7	15.5	14.9	14.7	14.0	14.4	14.1	13.5	12.9
2	13.8	14.2	15.5	16.1	15.0	14.6	14.2	14.1	14.4	14.0	13.5	13.0
3	14.2	15.0	16.0	16.2	15.0	14.2	14.3	14.3	14.3	13.1	13.0	13.1

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-0.5	1.7	2.9	3.7	4.6	5.1	5.3	4.9	4.0	1.3	-0.3	-1.1
2	0.1	1.9	3.1	4.1	4.9	5.1	5.3	5.2	3.4	1.5	-0.3	-1.0
3	1.0	2.5	3.8	4.6	4.7	5.1	5.1	4.7	2.6	0.0	-1.2	-0.9

PUNO - PRECIPITACION

PERIODO 1954-1980



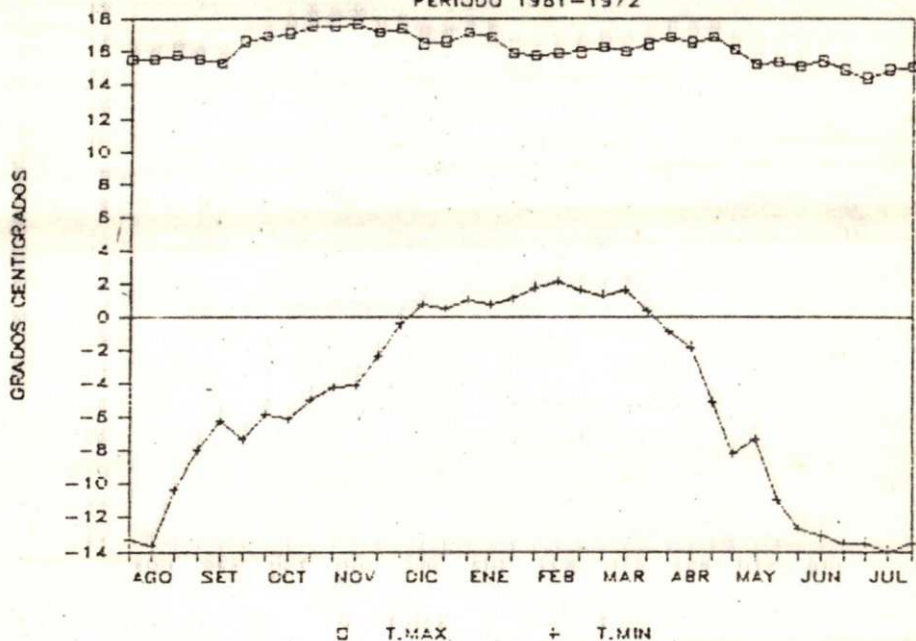
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	2.6	12.3	14.0	17.4	24.6	38.6	37.6	54.1	15.9	3.6	0.9	1.5
2	2.7	9.5	9.0	11.0	30.2	41.8	50.1	51.4	12.6	5.4	0.1	0.3
3	3.5	7.0	10.2	16.9	43.0	62.0	40.9	35.0	8.0	0.9	0.1	0.5

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 675.2 (mm)

COLLACACHI - TEMP. EXTREMAS

PERIODO 1951-1972



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

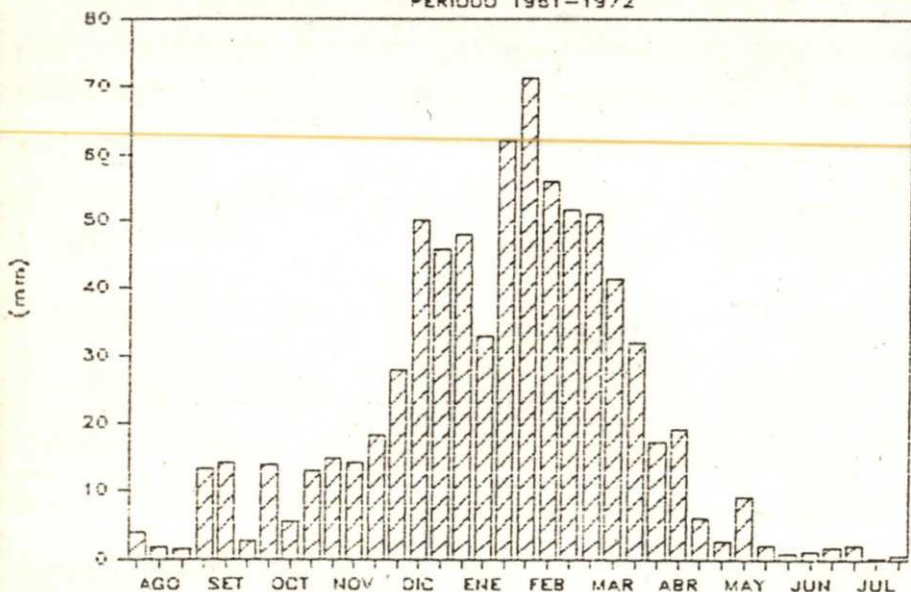
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	15.6	15.6	16.9	17.6	17.4	17.2	15.8	16.3	16.9	16.2	15.2	14.5
2	15.6	15.3	17.1	17.7	16.5	16.9	15.9	16.1	16.6	15.3	15.5	15.0
3	15.8	16.6	17.6	17.2	16.6	15.9	16.0	16.5	16.9	15.4	15.0	15.2

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-13.3	-8.0	-5.8	-4.2	-0.4	1.0	1.8	1.3	-0.9	-8.2	-12.7	-13.5
2	-13.7	-6.2	-6.1	-4.1	0.8	0.8	2.1	1.6	-1.8	-7.3	-13.1	-14.0
3	-10.3	-7.3	-5.0	-2.3	0.5	1.1	1.6	0.4	-5.1	-10.9	-13.6	-13.5

COLLACACHI - PRECIPITACION

PERIODO 1981-1972



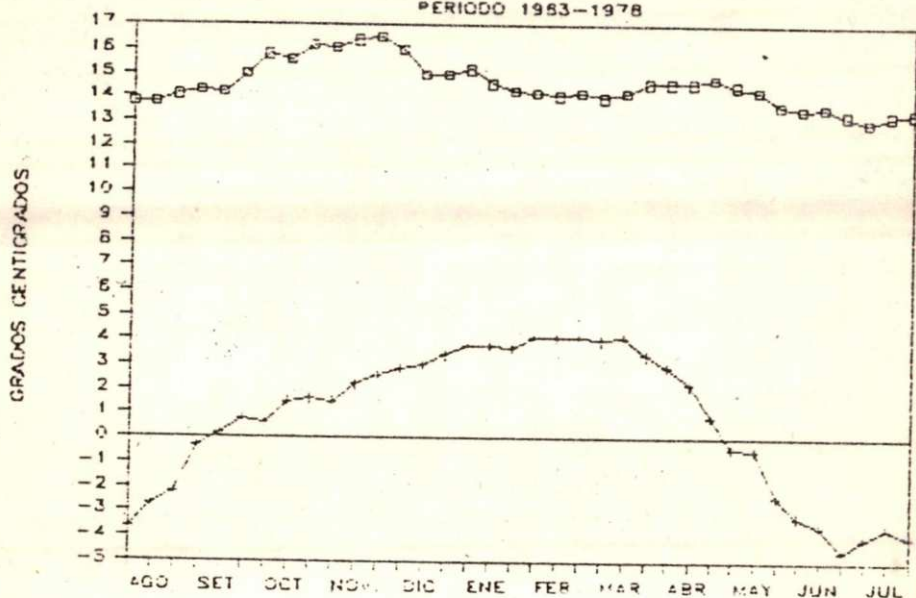
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	3.9	13.4	14.0	14.9	28.0	47.7	71.4	51.0	17.4	2.6	0.8	2.1
2	1.6	14.3	5.6	14.1	49.8	32.8	56.0	41.4	19.2	9.2	1.2	0.3
3	1.4	2.6	12.8	18.1	45.5	62.1	51.4	31.8	6.1	2.1	1.7	0.6

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 748.9 (mm)

ILAVE - TEMP. EXTREMAS

PERIODO 1953-1978



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

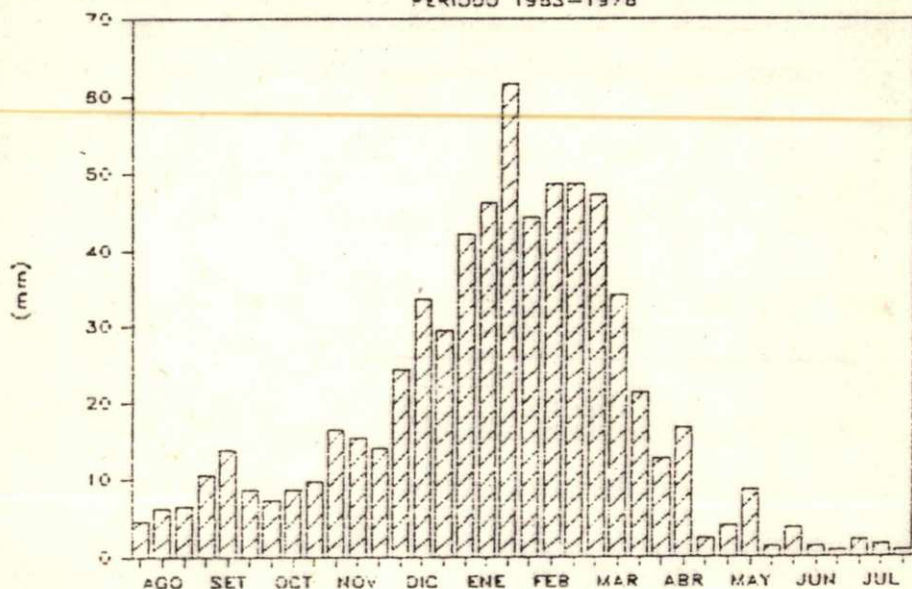
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	13.8	14.3	15.8	16.1	16.0	15.2	14.2	14.0	14.6	14.5	13.5	13.0
2	13.8	14.2	15.6	16.4	15.0	14.6	14.1	14.2	14.6	14.3	13.6	13.3
3	14.1	15.0	16.2	16.5	15.0	14.3	14.2	14.6	14.8	13.7	13.3	13.4

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-3.7	-0.3	0.6	1.5	2.8	3.8	4.1	4.0	2.9	-0.4	-3.2	-4.1
2	-2.7	0.2	1.5	2.2	3.0	3.8	4.1	4.1	2.2	-0.5	-3.6	-3.7
3	-2.2	0.8	1.6	2.6	3.4	3.7	4.1	3.4	0.9	-2.4	-4.6	-4.0

ILAVE - PRECIPITACION

PERIODO 1953-1978

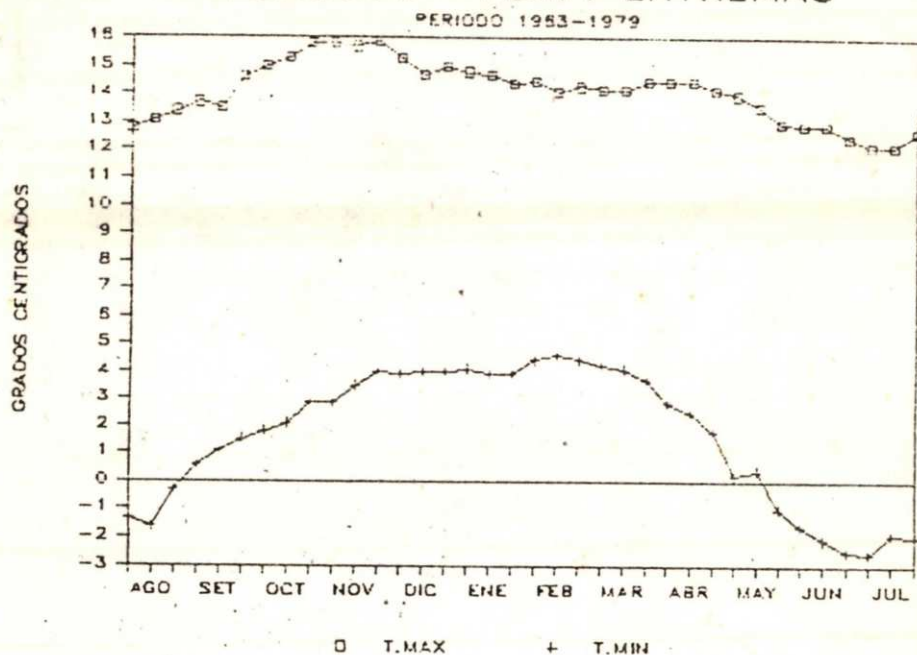


PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	4.6	10.6	7.1	16.6	24.5	42.0	44.3	47.1	12.8	3.9	3.7	2.0
2	6.2	13.8	8.5	15.4	33.5	46.2	48.6	34.3	16.7	8.7	1.2	1.5
3	6.5	8.6	9.6	14.0	29.6	61.8	48.5	21.3	2.3	1.3	0.6	0.6

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 658.5 (mm)

YUNGUYO - TEMP. EXTREMAS



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

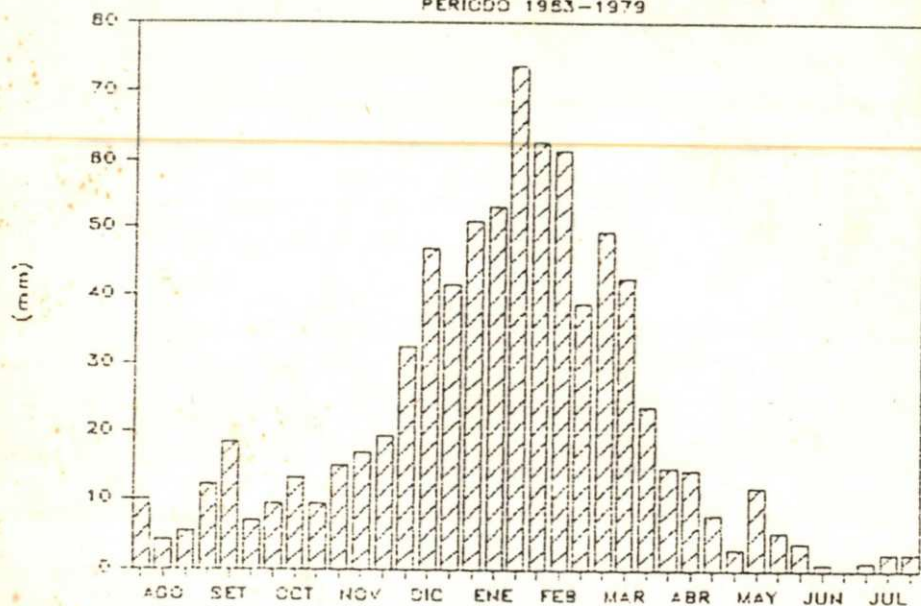
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	12.8	13.7	15.0	15.8	15.3	14.8	14.5	14.2	14.5	14.0	12.9	12.2
2	13.1	13.5	15.3	15.7	14.7	14.7	14.1	14.2	14.5	13.6	12.9	12.2
3	13.4	14.6	15.8	15.9	15.0	14.4	14.3	14.5	14.2	13.0	12.5	12.7

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	-1.3	0.6	1.8	2.9	3.9	4.1	4.4	4.2	2.9	0.2	-1.6	-2.6
2	-1.6	1.1	2.1	3.5	4.0	3.9	4.6	4.1	2.5	0.4	-2.1	-1.9
3	-0.3	1.5	2.9	4.0	4.0	3.9	4.4	3.7	1.8	-1.0	-2.5	-2.0

YUNGUYO - PRECIPITACION

PERIODO 1953-1979



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	10.1	12.3	9.5	15.1	32.6	50.9	62.7	49.3	14.8	2.9	3.9	1.2
2	4.1	18.7	13.4	16.9	46.9	53.2	61.5	42.5	14.4	12.1	0.7	2.4
3	5.6	7.2	9.5	19.6	41.7	74.0	38.7	23.8	8.1	5.5	0.0	2.3

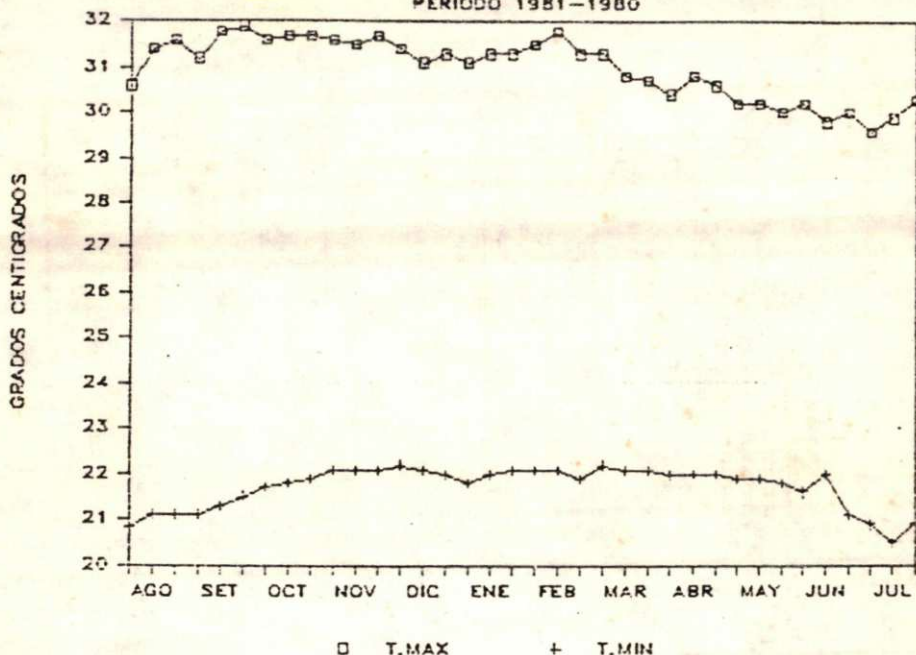
PRECIPITACION NORMAL DE CAMPAÑA-AGRICOLA 788.1 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE LORETO

HOMBRE	PROVINCIA	DISTRITO POLITICO	LATITUD ° ' S	LONGITUD ° ' W	ALTITUD m
IQUITOS	KAYNAS	IQUITOS	3:45	73:15	126
YURIMAGUAS	ALTO AMAZONAS	YURIMAGUAS	5:52	76:07	184

IQUITOS - TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

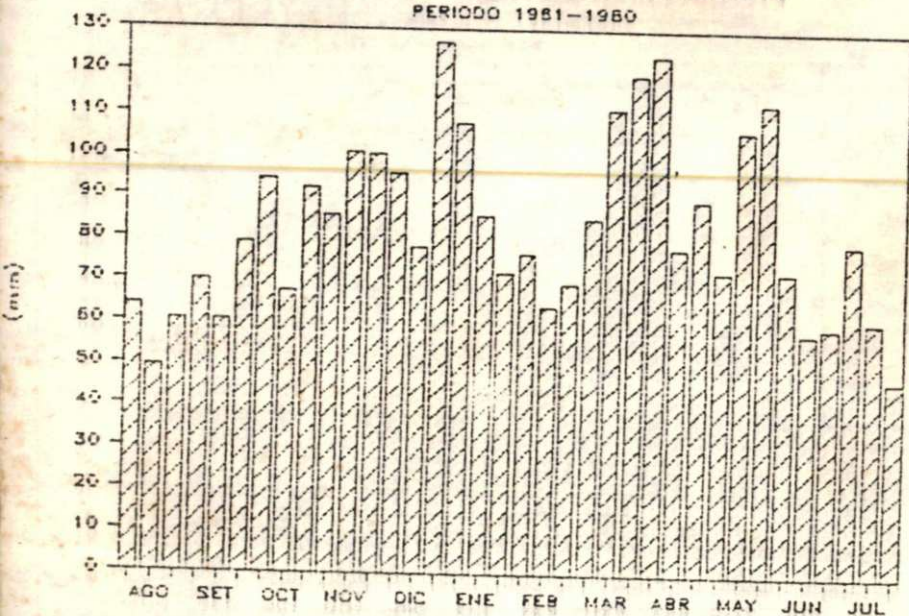
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	30.6	31.2	31.6	31.6	31.4	31.1	31.5	31.3	30.4	30.2	30.2	29.6
2	31.4	31.8	31.7	31.5	31.1	31.3	31.8	30.8	30.8	30.2	29.8	29.9
3	31.6	31.9	31.7	31.7	31.3	31.3	31.3	30.7	30.6	30.0	30.0	30.3

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.8	21.1	21.7	22.1	22.2	21.8	22.1	22.2	22.0	21.9	21.6	20.9
2	21.1	21.3	21.6	22.1	22.1	22.0	22.1	22.1	22.0	21.9	22.0	20.5
3	21.1	21.5	21.9	22.1	22.0	22.1	21.9	22.1	22.0	21.8	21.1	20.9

IQUITOS - PRECIPITACION

PERIODO 1981-1980



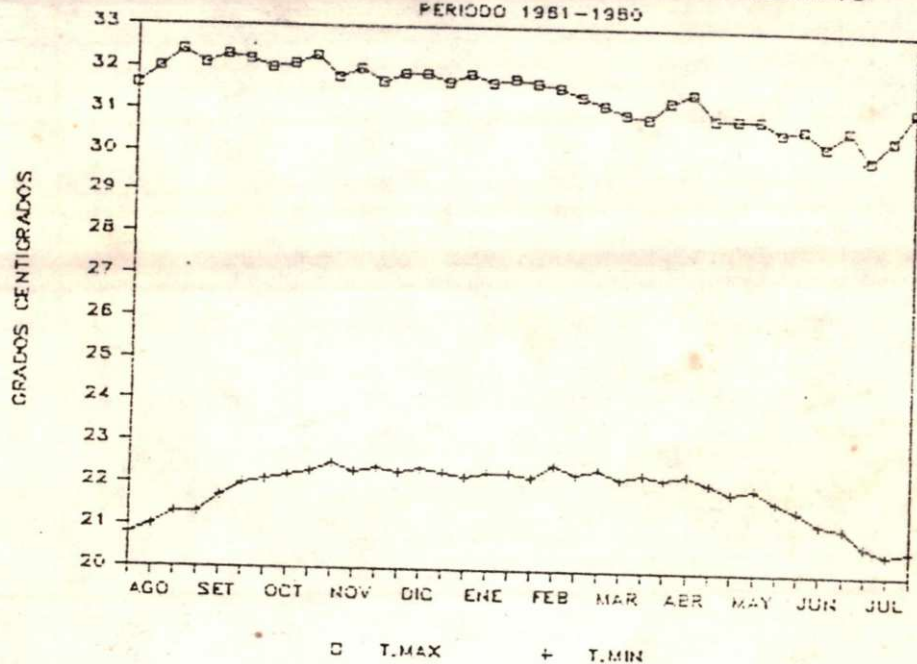
PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	63.9	70.0	94.4	85.7	95.8	108.1	76.6	85.3	124.3	72.7	72.8	79.8
2	49.5	60.4	67.4	101.1	78.1	85.9	64.2	111.6	78.1	106.4	57.7	60.8
3	60.4	79.1	92.4	100.2	127.3	72.1	69.3	119.7	89.7	113.0	59.2	46.7

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 2979.7 (mm)

YURIMAGUAS - TEMP. EXTREMAS

PERIODO 1981-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

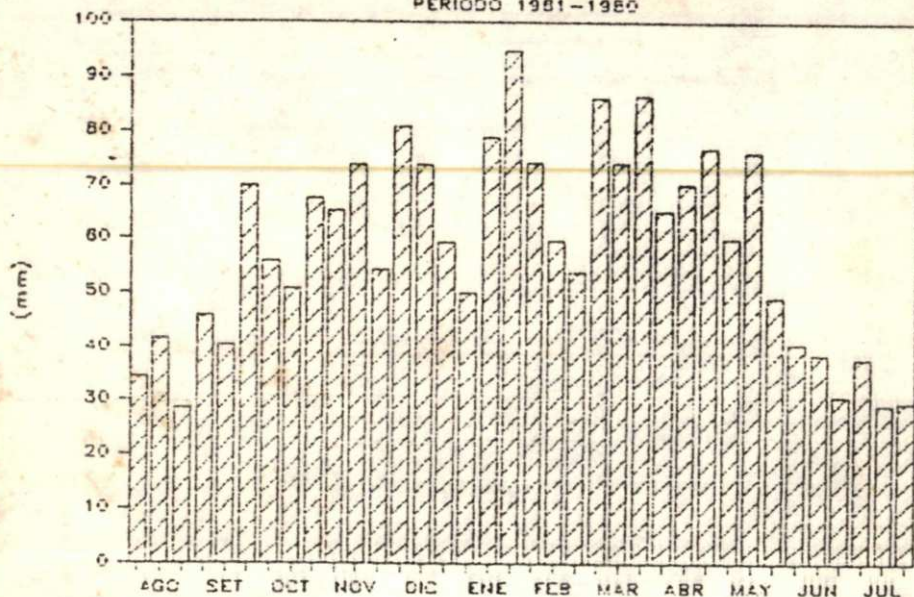
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	31.6	32.1	32.0	31.8	31.9	31.9	31.7	31.2	31.3	30.9	30.7	30.0
2	32.0	32.3	32.1	32.0	31.9	31.7	31.6	31.0	31.5	30.9	30.3	30.5
3	32.4	32.2	32.3	31.7	31.7	31.8	31.4	30.9	30.9	30.6	30.7	31.2

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	20.8	21.3	22.1	22.5	22.3	22.2	22.2	22.4	22.2	21.9	21.5	20.7
2	21.0	21.7	22.2	22.3	22.4	22.3	22.5	22.2	22.3	22.0	21.2	20.5
3	21.3	22.0	22.3	22.4	22.3	22.3	22.3	22.3	22.1	21.7	21.1	20.6

YURIMAGUAS - PRECIPITACION

PERIODO 1981-1980



PRECIPITACION NORMAL DECADAL (mm)

	DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1		34.3	45.6	56.0	75.3	80.9	50.1	74.0	86.2	65.3	60.3	40.7	38.0
2		41.5	40.2	50.6	73.7	73.7	78.7	59.9	74.0	70.1	75.9	38.6	29.2
3		28.6	69.9	67.4	54.1	59.3	94.7	53.8	86.5	76.7	49.1	31.0	29.6

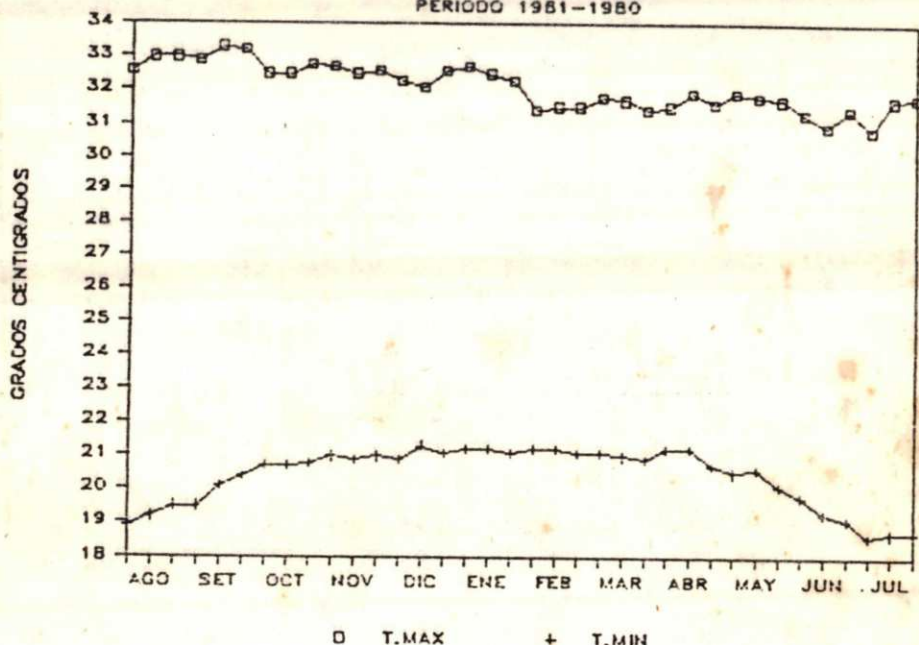
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 2103.5 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE UCAYALI

NOMBRE	PROVINCIA	DISTRITO	LATITUD	LONGITUD	ALTITUD
		POLITICO	° ' S	° ' W	m
PUCALLPA	CRNEL. PORTILLO	CALLARIA	8:23	74:33	154

PUCALLPA - TEMP. EXTREMAS

PERIODO 1961-1980



NORMALES DECADEALES DE TEMPERATURA MAXIMA (C)

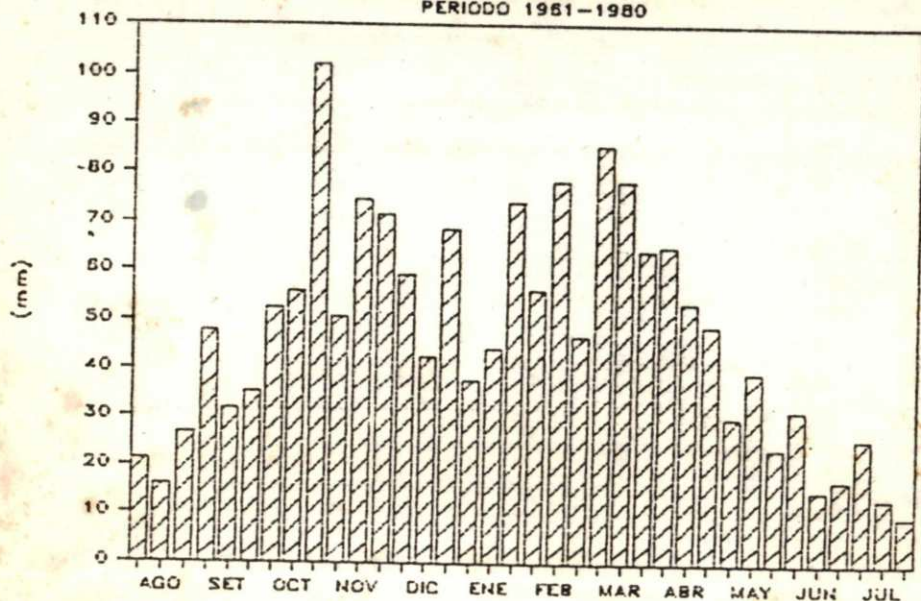
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	32.6	32.9	32.5	32.7	32.3	32.7	31.4	31.8	31.5	31.9	31.3	30.8
2	33.0	33.3	32.5	32.5	32.1	32.5	31.5	31.7	31.9	31.8	30.9	31.7
3	33.0	33.2	32.8	32.6	32.6	32.3	31.5	31.4	31.6	31.7	31.4	31.8

NORMALES DECADEALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	18.9	19.5	20.7	21.0	20.9	21.2	21.2	21.1	21.2	20.5	19.8	18.6
2	19.2	20.1	20.7	20.9	21.3	21.2	21.2	21.0	21.2	20.6	19.3	18.7
3	19.5	20.4	20.8	21.0	21.1	21.1	21.1	20.9	20.7	20.1	19.1	18.7

PUCALLPA - PRECIPITACION

PERIODO 1961-1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	21.1	47.6	52.6	50.9	59.2	37.9	56.5	85.9	65.3	30.1	32.0	25.9
2	15.9	32.0	55.9	74.7	42.6	44.4	78.6	78.4	53.7	39.7	15.4	13.4
3	26.7	35.4	102.2	71.8	68.7	74.4	47.1	64.2	48.8	24.0	17.5	9.8

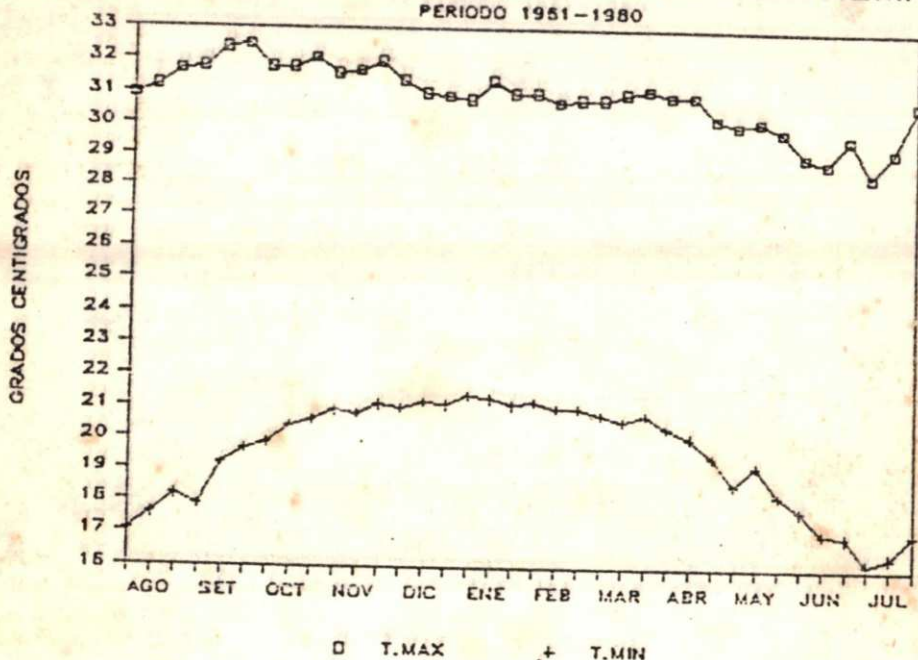
PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 1700.3 (mm)

ESTACIONES SELECCIONADAS DEL DEPARTAMENTO DE MADRE DE DIOS

NOMBRE	PROVINCIA	DISTRITO	LATITUD	LONGITUD	ALTITUD
		POLITICO	O ' S	O ' W	m
PTO. MALDONADO	TAMBOPATA	TAMBOPATA	12:35	69:13	256

PUERTO MALDONADO - TEMP. EXTREMAS.

PERIODO 1951-1980



NORMALES DECADALES DE TEMPERATURA MAXIMA (C)

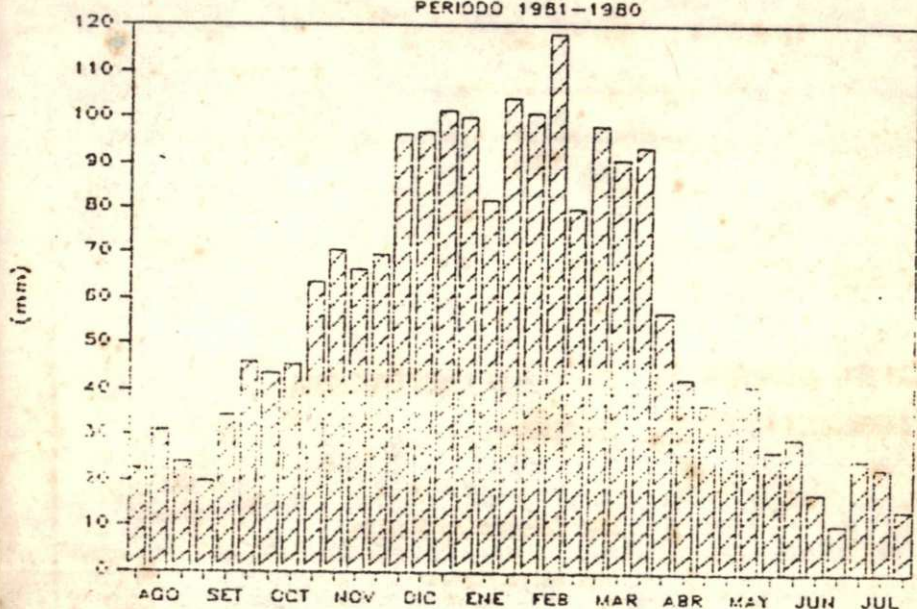
DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	30.9	31.8	31.8	31.6	31.4	30.8	31.0	30.8	30.9	30.0	29.0	28.4
2	31.2	32.4	31.8	31.7	31.0	31.4	30.7	31.0	30.9	30.1	28.8	29.2
3	31.7	32.5	32.1	32.0	30.9	31.0	30.6	31.1	30.2	29.8	29.6	30.7

NORMALES DECADALES DE TEMPERATURA MINIMA (C)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	17.1	17.9	19.9	20.9	21.0	21.4	21.2	20.8	20.4	18.6	17.8	16.2
2	17.6	19.2	20.4	20.8	21.2	21.3	21.0	20.6	20.1	19.2	17.1	16.4
3	18.2	19.7	20.6	21.1	21.1	21.1	21.0	20.8	19.5	18.3	17.0	17.1

PUERTO MALDONADO — PRECIPITACION

PERIODO 1981—1980



PRECIPITACION NORMAL DECADAL (mm)

DEC	AGO	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1	22.5	19.9	43.7	70.7	96.6	100.2	101.0	98.2	57.1	36.7	29.6	25.0
2	30.9	34.4	45.6	66.4	97.1	81.8	118.1	90.8	42.7	41.2	17.7	22.9
3	23.9	46.1	63.6	69.6	101.5	104.3	80.2	93.8	37.2	26.9	10.8	13.9

PRECIPITACION NORMAL DE CAMPAÑA AGRICOLA 2062.6 (mm)

