

"AÑO DE LOS CENSOS NACIONALES"



SENAMHI

DIRECCION DE AGROMETEOROLOGIA

DIVISION DE METEOROLOGIA AGRICOLA

ESTUDIOS AGROCLIMATICOS POR CUENCAS

"ALTIPLANO DE PUNO"



AÑO 1,972

LIMA - PERU

ANEXO CLIMATICO

- TEMPERATURAS MINIMAS -

DEPARTAMENTO DE PUNO

Personal de la División de Meteorología Agrícola
que ha intervenido en la preparación del estudio

Bachiller: César Augusto Muñoz Ortega

Reconocido: Nabel Salazar de Riquelme

Coordinación y

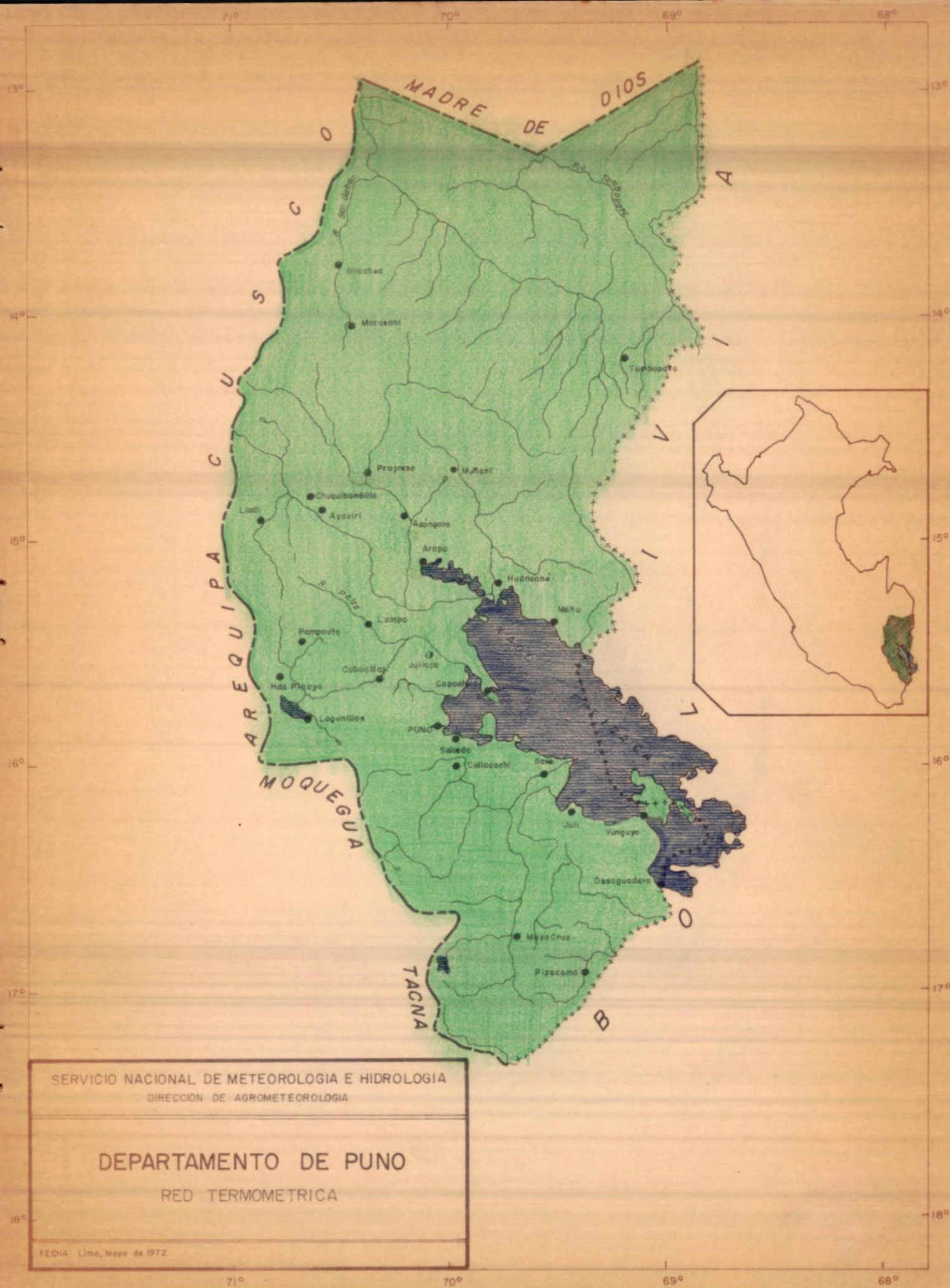
Revisión : Ing. Segundo Ortega Navarro
Sub-director de Agroclimatología



RELACION DE ESTACIONES

NOMBRE	CATEGORIA	DISTRITO	PROVINCIA	DEPARTAMENTO	LATITUD	LONGITUD	ALTITUD
Arapa	CO	Arapa	Azúgaro	Puno	14°54'	70°11'	3,860
Ayaviri	CO	Ayaviri	Melgar	Puno	14°55'	70°35'	3,908
Azúgaro	CO	Azúgaro	Azúgaro	Puno	14°54'	70°11'	3,860
Cabanillas	CO	Cabanillas	Lampa	Puno	15°57'	70°21'	3,850
Copachica	CO	Copachica	Puno	Puno	15°40'	69°50'	3,868
Collacuchi	CO	Puno	Puno	Puno	15°59'	69°56'	4,000
Chuqibambilla	CO	Umachiri	Melgar	Puno	14°47'	70°45'	3,710
Desagradero	CO	Desagradero	Chucuito	Puno	16°34'	69°03'	3,868
Granja Salcedo	CO	Puno	Puno	Puno	15°53'	69°59'	3,825
Huancané	CO	Huancané	Huancané	Puno	15°12'	69°45'	3,860
Ilave	CO	Ilave	Chucuito	Puno	16°06'	69°39'	3,850
Juliaca	S	Juliaca	San Martín	Puno	15°29'	70°09'	3,825
Juli	CO	Juli	Chucuito	Puno	16°13'	69°21'	3,852
Lago Titicaca	S	Puno	Puno	Puno	15°50'	70°09'	3,825
Leguillas o Hda. Pinays	CO	Santa Lucía	Lampa	Puno	15°34'	70°55'	4,200
Lampa	CO	Lampa	Lampa	Puno	15°22'	70°22'	3,892
Llalli	CO	Llalli	Melgar	Puno	14°56'	70°55'	3,980
Mocuzani	CO	Mocuzani	Carabaya	Puno	14°03'	70°25'	4,450
Nazacruz	CO	Santa Rosa	Chucuito	Puno	16°45'	69°42'	4,070
Noto - Hueroys	CO	Noto	Huancané	Puno	15°21'	69°30'	3,890
Puñani	CO	Puñani	Azúgaro	Puno	14°46'	69°58'	3,948
Ollachea	CO	Ollachea	Carabaya	Puno	13°40'	70°29'	2,850
Pumpahuta - Río Verde	CO	Parotía	Lampa	Puno	15°29'	70°41'	4,400
Pizacosa	CO	Pizacosa	Chucuito	Puno	16°54'	69°22'	3,987
Progreso	CO	Acillo	Azúgaro	Puno	14°47'	70°22'	3,950
Puno	CF	Puno	Puno	Puno	15°50'	70°02'	3,875
Saracocha o Leguillas	CO	Santa Lucía	Lampa	Puno	15°44'	70°45'	4,200
Tambopata	CO	S. Juan del Oro	Sandia	Puno	14°13'	69°12'	4,200
Yunguyo	CO	Yunguyo	Chucuito	Puno	16°14'	69°07'	3,850

STIBOLOS : ● C. P. CLIMATOLOGICA PRINCIPAL
● C. O. CLIMATOLOGICA ORDINARIA
◐ S. SINOPTICA



SERVICIO NACIONAL DE METEOROLOGIA E HIDROLOGIA
 DIRECCION DE AGROMETEOROLOGIA

DEPARTAMENTO DE PUNO
 RED TERMOMETRICA

FECHA: Lima, Mayo de 1972

- TEMPERATURAS MÍNIMAS DEL DEPARTAMENTO DE PUÑO -

Se han considerado 29 estaciones climatológicas de diferentes categorías, ubicadas la mayor parte de ellas en la zona del Altiplano. La información obtenida es de observaciones efectuadas, con termómetros de mínima instalados en casetas meteorológicas tipo Stevens.

EXTRAPOLACION DE DATOS

Las series estadísticas, lamentablemente presentan algunas deficiencias o la unas correspondiente a algún mes en diferentes años, y, como quiera que para los estudios que se están realizando, es conveniente contar con series completas, se ha procedido a extrapolar la información no existente por el método de las diferencias, aplicándose el criterio de Maa.

Damos un ejemplo para mayor claridad.

Estación: Saracococha - Lagunillas.

Información a obtener: Temperaturas Mínimas Media del mes de Abril de 1969.

AÑO	MARZO	ABRIL	$\frac{(MAR-ABR)}{2}$	$\left[\frac{d_1}{(n-1)} - \bar{x} \right]$	$d_1 - d_1$	d_1^2	$(d_1 - d_1)^2$
1962	1.0	0.0	1.0	-0.4	0.1	0.16	0.01
1963	1.6	0.7	0.9	-0.5	-0.1	0.25	0.01
1964	1.6	0.6	1.0	-0.4	0.2	0.16	0.04
1965	0.7	-0.1	0.8	-0.6	-0.1	0.36	0.01
1966	1.4	-1.5	2.9	1.5	1.0	2.25	3.24
1967	1.2	0.1	1.1	-0.3	-0.1	0.09	0.01
1968	0.4	-1.1	2.2	0.8	1.2	0.64	1.44
	7.9	-2.0	5.9			3.91	10.36
\bar{x}	1.1	-0.3	1.4				

$$1 - \sqrt{\frac{1}{n}} \leq \frac{2.4}{8} \leq 1 + \sqrt{\frac{1}{n}}$$

$$1 - \sqrt{\frac{1}{7}} \leq \frac{2 \times 3.91}{10.36} \leq 1 + \sqrt{\frac{1}{7}}$$

$$0.62205 \leq \frac{7.82}{10.36} \leq 1.37795$$

$$0.62205 \leq 0.75482 \leq 1.37795$$

Se cumple el criterio de ADDE

Luego se efectúa la extrapolación por el método de las diferencias.

Año	E (Marzo)	e (Abril)	
1962	1.0	0.0	$d = e_n - E_n$
1963	1.6	0.7	$\bar{E}_{(en)} = \bar{E}_{(en)} + d$
1964	1.6	0.6	
1965	0.7	-0.1	$\bar{E}_{(en)} = 1.2 + [(-0.3) - (1.1)]$
1966	1.4	-1.5	
1967	1.2	0.1	$\bar{E}_{(en)} = 1.2 - 1.4$
1968	0.4	-1.0	
1969	1.4	?	$\bar{E}_{(en)} = -0.2$
<hr/>			
\bar{E}	1.3	$e = -2.0$	
E_n	1.2	$e_n = -0.3$	
E_n	1.1	$e_n = ?$	

- 0.2 es la media de la estación (e) para un período similar al de la estación de Comparación a sea ocho años (n = 8).

Como podemos ver, al "prolongar" sólo un año la serie, el promedio que para 7 años era -0.5 ha variado a -0.2

En este caso, se puede calcular el valor de ese año, que ha motivado el cambio del promedio, despejando Abril de 1969 de la fórmula de la media aritmética:

$$e_n = \frac{\text{Abril}_{62} + \text{Abril}_{63} + \text{Abril}_{64} + \text{Abril}_{65} + \text{Abril}_{66} + \text{Abril}_{67} + \text{Abril}_{68} + \text{Abril}_{69}}{8}$$

$$-0.2 = \frac{-2.0}{8} + \frac{\text{Abril } 69}{8}$$

$$-0.2 = -0.25 + \frac{\text{Abril } 69}{8}$$

$$\text{Abril } 69 = (-0.2 + 0.25) 8$$

$$\text{Abril } 69 = 0.4$$

El valor de la temperatura mínima media que corresponde al mes de Abril de 1969 es 0.4°C .

ESTACION "ARAPA"

Latitud: 14°54'
Departamento: Puno

Longitud: 70°11'
Provincia: Azuero

Altitud: 3,800 m.s.n.m.
Distrito: Arapa

TEMPERATURA MEDIA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	4.8	5.3	4.9	3.6	1.2	-1.9	-2.6	0.2	1.2	2.2	2.4	3.9	2.1
1965	4.0	4.9	4.1	3.5	1.0	-1.6	-0.3	-0.1	2.0	2.9	4.7	5.2	2.5
1966	5.7	5.2	4.4	2.1	0.8	-1.2	-1.4	0.7	2.4	4.8	4.4	5.3	2.8
1967	5.3	5.0	4.8	2.5	2.0	-0.3	-0.5	0.5	2.8	3.8	3.5	4.2	2.9
1968	4.6	5.0	4.1	2.6	0.9	-0.8	-1.5	0.3	1.7	3.8	4.7	4.5	2.5
1969	5.0	5.6	5.3	4.2	1.2	-0.8	-0.7	-1.1	2.1	3.5	4.9	5.0	2.8
1970	5.4	5.5	4.4	3.8	1.2	-0.3	-0.9	-0.1	2.1	2.9	3.8	5.0	2.7
MEDIA	5.0	5.3	4.6	3.2	1.2	-1.0	-1.2	0.1	2.0	3.4	4.0	4.7	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1964	2.0 20	3.2 22-28	2.4 3	-1.8 30	-3.0 4	-4.4 4	-5.4 8	-3.8 8	-2.8 7	-3.4 20	-1.4 8	0.0 5	-5.4 8/7/64
1965	1.0 10	1.8 27	1.2 9	1.6 4-8	-2.8 14	-4.4 26	-4.6 29	-3.2 14-19	-2.6 10	-0.8 19	1.2 20	1.8 25-29	-4.8 29/7/65
1966	3.6 6	2.4 11-23	0.0 9	-1.2 8	-2.0 25	-7.2 30	-4.2 2-11	-2.2 31	-2.8 3	1.0 29	0.8 14	3.4 4	-7.2 30/6/66
1967	2.0 20	2.4 6	2.4 28	-0.8 25-28	-3.4 12	-5.0 6	-5.6 20	-2.0 29	-1.2 12	0.0 12	0.0 5	1.0 17	-3.6 20/7/67
1968	0.6 25	2.4 29	1.6 2	-5.0 19	-2.8 9-10	-3.8 21	-5.0 8	-4.0 13	-2.4 20	0.0 17	1.8 20	1.0 27	-5.0 8/7/68
1969	0.8 2	2.8 26	2.6 31	-1.2 29	-2.6 2-3	-4.0 6	-3.8 13	-4.8 6	-3.8 11	-1.0 5	2.0 24	1.2 11	-4.8 6/9/69
1970	3.2 8	2.8 20	1.6 3	-1.2 21	-3.8 21	-5.8 23	-4.2 13	-2.2 6	0.2 3-21	-2.2 8	-0.8 6	2.0 12	-4.2 13/7/70

TEMPERATURAS MENSUALES ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
0.6	1.8	2.0	-3.0	-3.8	-7.2	-5.4	-4.8	-2.8	-3.4	-1.4	0.0
25/68	27/65	7/66	19/68	23/70	59/66	8/64	6/69	7/64 3/66	20/64	8/64	9/64

ESTACION "AYAVIRI"

Latitud: 14°53'

Longitud: 70°35'

Altitud: 5,900 m.s.n.m.

Departamento: Puno

Provincia: Melgar

Distrito: Ayaviri

TEMPERATURA MEDIA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964									-4.6	-2.7	-1.9	0.0	
1965	0.1	3.8	3.7	-1.1	-7.4	-8.2	-7.6	-6.5	-6.6	-6.5	-3.0	2.0	-2.4
1966	1.6	2.9	1.2	-3.3	-4.7	-5.5	-11.0	-7.7	-5.2	1.1	1.5	3.3*	-2.5
1967	1.8	1.7	2.8	-1.1	-4.0	-3.8	-3.1	-6.6	-1.1	-1.0	-1.0	1.1	-2.9
1968	2.8	3.4	2.5	-2.3	-6.0	-10.0	-13.2	-7.7	-3.0	1.0	2.4	2.2	-6.2
1969	3.4	3.7	3.0	1.2	-4.8	-13.6	-7.5	-3.6	-4.5	-1.0	1.0	2.6	-4.7
1970	3.7	4.2	3.2	2.2	-3.8	-5.5	-7.0	-6.1	-1.4	-1.2	-0.1	3.6	-4.1
MEDIA	2.2	3.3	2.6	-0.7	-6.0	-5.9	-6.5	-7.1	-3.2	-3.7	0.0	2.1	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1964									-11.5	-8.2	-5.8	-4.8	
1965	-5.4	2.4	2.9	-4.5	-11.0	-10.0	-12.2	-14.4		-7.4	-4.6	-4.2	-14.4
	4	25	4	18	30	2-7-15	8	13		19	17	11	13/3/65
1966	-3.6	-4.6	-3.8	-4.0	-11.0	-12.1	-17.2	-12.0	-11.4	-4.2	-5.0		-17.2
	18	3	9	8	25	28	23	14	3	30	15		23/7/66
1967	-5.4	-4.2	-2.0	-7.8	-7.4	-13.6	-12.6	-11.0	-6.8	-6.8	-6.0	-5.6	-13.6
	21	6	29	28	5	12	29	15	1	12	22	4	12/6/67
1968	-4.6	-2.4	-2.6	-7.4	-11.4	-12.6	-12.6	-12.8	-10.8	-6.0	-3.4	-2.8	-12.8
	25	19	1-29	19	9	23	2	31	2-19	18	20	27	31/3/68
1969	0.4	-0.6	-2.6	-6.0	-3.6	-13.6	-14.4	-15.0	-2.6	-7.0	-4.2	-3.8	-15.0
	2	26	4	30	2	6	12	6	12	5	5	11	6/10/69
1970	0.8	-0.6	-3.4	-4.6	-10.8	-3.0	-14.4	-13.8	-5.0	-0.6	-3.0	-1.2	-14.4
	16-17	26	20	22	21	26	16	14	23	8	6	4	14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SIETE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-5.4 4/65	-4.6 3/66	-3.3 9/66	-2.8 28/67	-11.4 9/68	-13.6 12/67 6/69	-17.2 23/66	-15.9 6/69	-11.5 6/6A	-8.6 3/70	-6.0 22/67	-4.8 7/6A

NOTA: + Información obtenida por extrapolación.

ESTACION "AZÚGARO"

Latitud: 14°54'

Longitud: 70°11'

Altitud: 3,260 m.s.n.m.

Departamento: Puno

Provincia: Azúgaro

Distrito: Azúgaro

TEMPERATURA MEDIA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1963			4.3	3.0	0.4	-5.5	-5.5		1.6		3.0	4.7	
1964	4.4	5.0	4.2	3.0	-0.4	-5.4	-6.1	-2.4	1.6	1.7	1.6	3.4	0.9
1965	3.9	4.4	3.8	2.5	-1.7	-5.7	-4.5	-3.1	0.7	2.1	3.0	5.0	0.9
1966	4.6	4.8	3.4	-0.1	-0.9	-4.3	-5.4	-2.2	-1.3	3.8	3.9	4.6	1.0
1967	3.8	4.1	4.4	1.2	-0.2	-3.6	-5.4	-1.2	1.9	2.9	2.5	3.0	1.4
1968	4.2	5.0	3.7	1.8	-2.2	-4.3	-4.7	-1.3	0.2	3.0	3.8	4.7	1.1
1969	4.0	4.7	3.3	2.5	-1.4	-4.8	-4.2	-4.9	0.5	2.1	3.4	4.0	0.8
1970	5.1	5.1	4.0	3.1	-0.3	-2.4	-4.0	-2.5	1.0	1.5	2.6	4.8	1.5
MEDIA	4.3	4.7	4.0	2.1	-0.8	-4.6	-4.7	-2.5	0.9	2.4	3.1	4.4	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1963			2.0	0.0	-5.0	-7.0	-8.5		-5.6		0.6	0.0	
			19	30	30	16-30	1-4		4		10	25	
1964	2.0	0.0	2.0	-1.0	-4.6	-7.0	-10.3	-6.3	-7.6	-2.0	-4.8	-3.2	-10.0
	20	22	3	30	4	20	8	7	5	18	8	5	8/7/64
1965	0.2	2.0	1.0	-0.4	-4.2	-10.0	-9.2	-8.6	-5.2	-1.0	0.0	2.8	-10.0
	10	5	16	11	25-25-26	26	29	14	10	19	1	25	26/6/65
1966	1.6	0.2	-1.4	-3.8	-5.2	-12.6	-10.0	-5.6	-5.8	0.0	0.2	2.2	-12.6
	20	21	9	8	25	30	23	31	5	1	15	3-12	30/6/66
1967	1.0	-0.4	1.2	-2.4	-3.8	-6.8	-7.4	-4.0	-1.0	-1.8	-0.2	0.6	-7.4
	17	6	31	29	13	12	29	15	24	12	22	4	29/7/67
1968	-0.2	1.6	1.2	-2.4	-4.2	-8.4	-10.8	-6.0	-6.4	-4.6	1.6		-10.8
	23	29	1	30	30	21	7	13	20	18	29		7/7/68
1969			1.4	-3.0	-6.4	-7.0	-9.6	-11.6	-6.6	-2.2	0.8	1.0	-11.6
			9	30	5	6	12	6	12	3	24	11	6/3/69
1970	2.2	2.2	1.1	-0.2	-6.4	-5.1	-6.7	-7.3	-5.1	-4.6	-0.2	0.5	-5.7
	2	26	23	21	28	28	14	12	6-25	8	6	6	14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-0.2	-0.4	-1.4	-3.8	-6.4	-12.5	-10.0	-11.5	-7.6	-4.6	-1.8	-0.2
23/68	6/67	9/66	8/66	3/67 29/70	30/66	8/64 7/68	6/69	5/64	8/70	8/64	5/64

NOTA: * Información obtenida por extrapolación.

ESTACION "CABRILLAS"

Latitud: 15°37'

Longitud: 70°21'

Altitud: 3,050 m.s.n.m.

Departamento: Puno

Provincia: Lampa

Distrito: Cabrillas

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROM. ANUAL
1964	4.5	5.2	4.2	3.4		-1.5	-2.0	1.6	0.9	2.1	2.3	3.4	2.2
1965	3.3	4.0	3.2	2.1	0.1*	-3.6	-2.3	-1.8	1.6	2.2	4.0	3.9	1.4
1966	4.1	4.5	3.5	1.1	0.0	-2.3	-3.7	-2.4	1.0	3.7	3.4	4.7	1.6
1967	4.0	4.6	4.2	1.8	0.5	-2.6	-1.4	-0.4	1.7	2.6	3.0	2.9	1.9
1968	4.0	4.2	3.3	0.9	-1.2	-2.8	-3.6	-1.9	-0.1	2.2	2.9	3.1	0.9
1969	3.7	3.9	3.2	2.4	-0.6	-3.6	-3.9	-1.6	0.0	1.9	2.9	4.0	1.0
1970	4.5	4.3	3.4	2.3	-0.2	-2.0	-2.8	-1.7	0.8	1.4	1.6	3.5	1.2
PROMIA	4.0	4.4	3.5	2.0	-0.2	-2.3	-2.8	-0.9	0.8	2.3	2.9	3.6	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMIA ANUAL
1964	1.4 3	2.0 26	1.8 9			-5.8 18	-6.3 10	-6.4 16	-2.3 2	-3.0 20	-2.4 9	1.0 9	-6.3 10/7/64
1965	0.9 4	2.2 24	0.4 28	-2.8 11	-6.1 25-28	-8.3 25	-8.6 30	-8.4 20	-4.5 22	-3.0 7	0.2 8	1.4 29	-8.6 30/7/65
1966	2.0 14-22	2.7 2	0.3 9-26	-1.4 27	-5.4 25	-10.4 30	-9.4 3-13	-4.8 19	-6.8 5	0.0 30	0.3 1	2.0 3	-10.4 30/6/66
1967	1.1 24	2.1 24	1.0 15-31	-5.1 20	-3.8 1-7	-5.7 5	-6.3 20	-5.4 1	-2.0 1	-1.6 25	1.0 28	0.2 17	-6.3 20/7/67
1968	-0.4 23-25	1.2 25	1.4 2	-1.5 27	-7.1 9	-6.4 29	-7.8 8	-7.5 13	-5.0 20	0.0 19-19	0.6 15	1.0 27	-7.5 13/8/68
1969	1.8 27	2.4 14	1.4 8	-0.8 30	-3.5 30	-7.2 6	-7.2 14	-5.0 1	-2.4 9	-0.2 22	-1.0 2	2.0 5	-7.2 6/6/69 14/7/69
1970	3.2 19	3.1 20	2.0 18	-1.7 21	-3.0 2	-4.0 10	-5.5 14	-6.2 14	-1.7 10	-2.2 6	-1.6 9	1.2 2	-6.2 14/8/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	ETC.
-0.4	1.2	0.3	-4.5	-7.1	-13.4	-9.4	-8.4	-6.0	-5.0	-1.6	0.2
23-25 68	29/68	9-26 66	27/60	9/68	30/66	2-13 66	20/65	3/66	20/64 7/65	9/70	17/67

NOTA: * Información obtenida por extrapolación.

ESTACION "CAPADIGNA"

Latitud: 15°43'
Departamento: Puno

Longitud: 69°50'
Provincia: Puno

Altitud: 3,860 m. s. n. m.
Distrito: Capadigna

TEMPERATURA MEDIA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1957		4.3	4.0	3.0	1.1	-1.1						4.5	
1958	5.2	6.4	4.4	2.6	1.2	-0.6	-1.4	-2.1	1.5	3.0	2.3	3.5	2.1
1959	3.5	4.5	4.4	3.7	0.0	0.0	0.0	0.9	1.6	2.8	3.4	4.5	2.5
1960	5.0	4.4	3.2				-1.2	1.8	2.0	2.2	3.7	3.5	
1961	5.2	4.6	4.8	3.1	2.7	-0.3	-1.0	-0.3	2.7	3.8*	4.0	4.5	2.8
1962	5.5	5.2	4.6	3.5	1.4	-2.0	-0.9	-1.4	2.8	2.9*	2.8	3.7	2.4
1963	5.0	4.2	5.4	4.4	1.8	-0.3	-0.3	1.1	2.3	3.1*	3.0	3.0	3.0
1964	4.6	5.0	4.8	4.1	2.1	-0.8	-1.7	0.7	1.3	0.9*	0.8	2.0	2.1
1965	3.6	4.1	3.7	3.1	1.3	-1.5	-1.6	-0.4	1.1*	2.7	3.1	3.9	1.9
1966	4.3	4.4	4.1	2.4	-0.7	-1.2	-1.9	0.1	1.3	2.6*	3.1*	4.0	1.9
1967	4.1	4.3	4.5	3.2	1.7	-0.6	-1.1	0.0	1.7*	2.9	2.6	3.0	2.2
1968	3.7	4.2	3.9	2.2	0.7	-1.0	-1.2	-0.5	0.8	2.7*	3.3	3.4	1.8
1969	4.3	5.0	5.0	3.5	1.8	-1.1	-1.5	-1.7	1.2	2.3	3.4	3.8	2.1
1970	4.6	4.8	3.9	3.4	1.2	0.0	-1.3	-0.4	1.6	2.4	3.0	3.9	2.3
MEDIA	4.5	4.7	4.1	3.3	1.2	-0.3	-1.2	0.0	1.7	2.6	3.1	3.8	

TEMPERATURA PROMEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO DZA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMEDIA ANUAL
1957		2.2 19	2.5 23	1.5 14-16	-1.0 16	-3.2 2-5					-0.4 28	0.2 9	
1958	1.8 26	3.4 1	2.1 27	-0.1 10	-3.0 31	-1.2 22	-3.0 13	-3.9 12	-3.1 24	-0.4 27	0.3 2	0.1 9	-1.2 22/6/58
1959	0.9 25	2.8 2	2.5 25	0.5 22	-1.2 13	-3.2 9	-1.1 18	-1.9 6	-0.5 11	1.0 1-29	1.2 20	2.5 25	-1.2 13/5/59
1960	4.1 4	2.5 24	0.0 16				-3.1 7		-0.5 4	-1.0 20	2.3 15	-2.0 19	-3.1 7/7/60
1961	2.0 4	3.0 7-27	1.9 21	0.0 5-23-28	-3.5 31	-2.1 10-25	-1.2 18	-3.0 26	0.0 10		1.0 10	2.0 2	-1.2 10/7/61
1962	3.5 24	2.0 9	2.0 16	-1.0 30	-0.5 15	-1.0 15	-1.5 8	-1.0 15	1.0 3-4-5 29		-0.5 20	0.5 4	-1.5 8/7/62
1963	5.1 5	1.5 7	4.0 10	2.0 19	0.0 4	-1.0 16	-2.5 8	-2.5 11	-0.5 25		0.5 8	3.0 14	-1.0 16/6/63
1964	1.5 24	4.0 29	2.5 2	-0.2 30	-2.5 4	-3.5 4	-3.5 2-16-29	-2.5 7	-1.4 7		-1.0 8	0.4 31	-3.5 4/6/64 2-16-23/ 7/64
1965	2.0 1-7-25	2.5 13-27	1.0 27	1.0 8	-1.6 23	-1.0 12	-3.0 29	-3.5 22		0.0 17-19	0.5 12	0.5 29	-5.0 29/7/65
1966	2.5 7	2.2 11	2.0 9	0.0 7	-1.5 24-31	-1.0 30	-1.0 1	-2.5 14-31	-2.2 3	-0.9 23		3.0 1-19-21	-6.0 30/6/66
1967	0.0 20	2.0 1	1.5 22	-1.5 28	0.0 30	-3.0 3	-1.0 21	-1.0 29		0.5 12-23	-1.5 5	0.0 17	-1.0 21/7/67 23/8/67
1968	1.0 3-25	2.1 22-29	1.5 4	-1.9 19	-2.1 9	-3.3 23	-1.9 7	-2.5 5-13-14	-3.0 3		0.5 20	0.4 27	-1.9 7/7/68
1969	0.2 2	1.9 2	2.1 31	-0.7 28	-2.0 3	-1.0 14-20	-1.0 8-9-12	-3.5 13	-1.8 19	-2.0 3	0.5 1	-1.5 9-10	-5.5 13/3/69
1970	1.5 7	1.5 20-21	1.0 19-20	1.0 15	-2.0 20-21-22	-2.5 22-29-30	-1.0 7-14	-3.0 14	-0.5 3	-1.5 26	-1.0 6	0.5 12-13	-1.0 7-14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
0.0	1.5	0.0	-2.7	-4.2	-6.0	-5.0	-5.5	-5.1	-2.0	-1.5	-2.0
20/1/67	7/2/65 20-21 2/70	16/3/68	20/4/69	13/5/59	30/6/66	29/7/65	13/8/69	24/9/58	3/10/69	5/11/67	19/12/65

NOTA: • Información obtenida por extrapolación.

ESTACION "COLLACACHI"

Latitud: 15°58'

Longitud: 69°56'

Altitud: 4,000 m.s.n.m.

Departamento: Puno

Provincia: Puno

Distrito: Puno

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1960	3.5	1.9	-2.4	-2.8	-9.0	-10.8	-15.2	-9.6	-5.8	-2.6	-0.2	-1.4	-4.9
1961	-0.9	2.5	2.0	-3.0	-4.7	-9.2	-11.5	-11.2	-4.0	-5.0	-2.7	1.8	-3.8
1962	1.9	2.0	1.8	-2.1	-8.5	-14.9	-10.1	-11.0	-1.4	-5.3	-3.4	0.9	-4.2
1963	2.6	2.6	2.2	0.5	-8.3	-8.6	-9.1	-7.3	-5.2	-1.0	-1.0	1.5	-2.5
1964	0.8	2.4	1.0	-1.6	-7.1	-13.5	-16.2	-12.4	-3.8	-2.3	-5.7	-1.5	-6.0
1965	0.1	0.9	-0.4	-3.3	-10.5	-16.8	-13.8	-14.0	-6.8	-7.7	-3.8	1.6	-6.2
1966	0.9	1.9	0.2	-3.6	-8.2	-13.2	-16.8	-12.7	-3.9	-5.8	-1.0	-0.7	-5.8
1967	-0.8	2.2	2.3	-1.9	-5.4	-11.4	-11.0	-8.1	-5.3	-2.1	-4.0	0.9	-3.5
1968	1.1	2.5	0.7	-3.8	-7.8	-14.1	-15.1	-13.4	-11.3	-4.6	0.3	-0.7	-5.5
1969	1.8	2.1	1.2	-1.8	-10.2	-12.2	-14.9	-14.8	-9.8	-7.5	-4.2	-0.7	-5.9
1970	2.0	1.0	1.1	-0.7	-9.2	-12.6	-15.3	-14.2	-9.9	-0.1	-4.1	0.8	-6.0
MEDIA	1.2	2.0	0.9	-2.6	-8.1	-13.0	-13.4	-11.7	-6.6	-5.0	-2.9	0.0	-4.9

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1960	0.0 20	0.0 12-22- 23-25- 26	-4.0 15-16- 19-20- 21	-5.0 19	-15.0 16	-20.0 23-25 27	-19.0 2-13	-14.0 1-6	-10.0 2	-9.0 26	-7.0 7	-10.0 19	-23.0 23-25-27/ 6/60
1961	-4.0 15-16	0.0 26-27	0.0 6-7-9-9 25-27	-9.0 21	-11.5 31	-13.0 8	-17.0 10	-15.0 3-4-26	-9.0 7	-13.0 13		-5.0 2	-17.0 10/7/61
1962	-4.0 22	-4.0 9	-6.0 23	-10.0 30	-17.0 15	-19.5 15	-16.0 8	-15.0 7-15	-6.0 29	-11.0 2-3-4	-9.0 3	-3.5 6	-19.5 15/6/62

Cantón: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMEDIO ANUAL
1963	0.0 3-10 17-31	0.0 25	-2.0 25	-3.0 24		-14.0 16	-14.0 22	-16.0 24	-10.0 3	-7.5 1	-0.5 10	-2.5 24	-16.0 24/8/63
1964	-5.5 27	-2.0 20-29	-6.0 2-5	-4.0 30	-15.0 13	-16.0 10-22	-21.0 9	-20.5 8	-21.5 7	-17.0 20	-17.0 8	-10.0 6	-21.5 7/9/64
1965	-4.0 8	-3.5 27	-4.5 29	-7.0 8-9	-21.0 15	-21.0 25	-22.0 30	-23.0 20	-19.0 22	-18.0 31	-15.0 12	-6.0 11	-23.0 20/8/65
1966	-5.5 9	-5.0 11	-3.0 26	-16.0 27	-17.0 24	-21.0 23	-25.0 23	-20.0 1	-19.0 3	-13.0 29	-16.5 14	-7.0 4	-25.0 23/7/66
1967	-15.0 17-18	0.0 1-24 25	0.0 5-6 15-25	-10.0 25-28	-14.0 12	-17.0 11-17	-17.0 22	-17.0 29	-12.0 12	-7.0 23	-5.0 5	-7.0 1	-17.0 11-17/6/67 22/7/67 29/8/67
1968	-15.0 25	-2.0 22	-2.0 3-28	-16.0 28	-18.0 9	-19.0 22	-19.0 17	-20.0 13	-21.0 5	-17.0 16	-10.0 16	-6.0 28	-21.0 3/9/68
1969	-1.0 18	-1.0 25	-2.0 4-5	-18.0 29	-15.0 9	-19.0 5	-21.0 11	-22.5 1	-17.0 11	-17.0 4	-10.0 10	-7.0 6	-22.5 1/3/69
1970	-2.0 1	-5.0 26	-3.0 26	-10.0 23	-19.0 21	-18.0 29-30	-22.0 14	-22.0 14	-15.0 3	-17.0 5-6-25	-12.0 24	-12.0 12	-22.0 14/7/70 14/8/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-15.0 25/1/69	-4.0 9/2/62	-6.0 23/3/62 25/3/64	-16.0 27/4/66 28/4/60	-21.0 15-5-65	-21.0 23-6-65 23-8-66	-25.0 23-7-66	-25.0 20-8-65	-21.5 7-9-64	-10.0 31-10-65	-17.0 8-11-64	-12.0 12-12-70

NOTA: * Información obtenida por extrapolación.

ESTACION "CHUQUISWILLA"

Latitud: 14°47'

Longitud: 70°43'

Altitud: 3,910 m.s.n.m.

Departamento: Puno

Provincia: Melgar

Distrito: Huachiri

TEMPERATURA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1931	3.0	3.1	1.3	-1.5	-4.8	-6.6	-8.9	-4.8	-2.6	-1.7	0.0		-2.1
1932	3.8	3.7	3.4	0.6	-2.3	-6.6	-7.8	-6.5	-2.6	0.8	2.2	2.4	-0.5
1934	1.9	2.9	2.1	-0.5	-6.1	-6.0	-10.1	-8.0	-5.1	-2.0	1.6	1.4	-3.0
1935	2.9	2.6	2.2	-3.2	-8.7	-8.4	-10.4	-11.1	-5.1	0.0	1.4	2.1	-3.0
1936	2.7	3.2	2.0	-2.0	-1.2	-7.7	-5.4	-7.0	-5.0	2.2	2.0	2.8	-1.3
1937	4.7	4.8	3.0	-1.0	-7.1	-8.0	-5.0	-7.2	-1.8	-3.3	0.1	2.9	-1.6
1938	3.8	5.0	2.9	2.5	-5.3	-6.4	-7.4	-7.2	-1.4	-1.3	-0.7	2.8	-1.0
1939	3.3	5.1	4.9	1.3	-2.1	-8.0	-7.5	-5.0	-2.5	-1.7	1.9	2.0	-0.7
1940	2.8	1.7	1.8	-1.3	-5.0	-7.3	-10.4	-6.2	-3.6	-1.4	0.0	1.4	-2.3
1941	1.9	1.4	-0.4	0.0	-4.9	-7.9	-8.9	-7.9	-4.4	-0.9	1.2	2.9	-2.3
1942	4.4	3.7	3.0	1.8	-3.8	-4.1	-7.0	-4.4	-1.9	-3.6	-0.4	1.7	-0.7
1943	1.4	3.0	2.2	0.1	-4.6	-8.9	-8.9	-8.0	-2.4	-0.8	-1.0	2.2	-2.1
1944	2.2	2.0	1.7	-1.6	-1.7	-11.0	-7.8	-10.2	-4.2	-0.4	-5.1	-2.1	-3.0
1945	0.7	1.4	3.5	-1.2	-7.7	-9.6	-10.1	-6.2	-2.7	-4.7	-0.7	1.1	-3.0
1952	1.5	1.5	-0.6	-4.1	-9.7	-10.4	-10.5	-9.2	-5.8	-6.3	-1.4	-0.9	-4.7
1953	0.4	1.0	1.6	-2.6	-8.1	-8.3	-12.2	-10.7	-5.3	-1.4	0.2	0.9	-3.7
1954	0.1	1.3	0.3	-1.5	-5.3	-11.1	-11.0	-10.0	-5.8	-5.2	-0.6	0.1	-3.7
1955	1.8	1.8	2.0	-1.8	-4.5	-8.6	-10.2	-10.7	-4.9	-5.5	-4.6	1.0	-3.5
1956	0.9	0.7	-5.0	-4.9	-7.8	-12.8	-10.1	-10.9	-5.2	-4.6	-5.0	-1.4	-5.2
1957	0.2	1.0	0.1	0.0	-5.4	-9.5	-12.5	-9.0	-5.3	-5.0	4.3	1.2	-3.2
1958	3.7	3.2	3.7	-0.4	-4.4	-10.8	-9.1	-8.7	-2.9	0.2	-0.3	0.6	-2.1
1959	2.1	3.2	2.9	0.6	-3.4	-8.3	-9.6	-7.4	-4.1	-1.5	-1.7	1.4	-2.1
1960	2.2	1.2	-1.9	-1.9	-7.0	-14.2	-11.8	-8.8	-2.5	-1.8	1.8	1.0	-3.6
1961	2.7	3.1	1.5	-1.8	-3.7	-11.5	-12.6	-11.1	-2.8	-3.6	1.1	2.4	-3.0
1962	3.0	1.9	2.5	1.2	-3.7	-13.3	-12.5	-12.9	-2.4	-4.5	-4.6	0.6	-3.7
1963	1.2	1.6	1.2	-2.0	-6.0	-11.7	-12.3	-11.0	-4.0	-1.4	-4.7	0.4	-4.0

Continúa Temperatura Mínima Media

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	3.4	4.0	4.0	-0.5	-5.1	-7.2	-10.1	-9.1	-4.0	-1.8	-1.4	0.1	-2.5
1965	3.0*	3.7*	0.6*	-2.0*	-5.7*	-9.4*	-11.7*	-5.4*	-6.3	-7.5	-0.8	1.5	-5.3
1966	0.1	1.3	-1.1	-6.3	-7.2	-11.6	-12.5	-8.1	-4.7	1.1	-1.1	2.1	-4.0
1967	0.4	1.6	2.6	-2.1	-5.0	-10.2	-10.7	-8.5	-4.0	-1.6	-2.6	1.3	-5.2
1968	2.2	2.9	1.6	-1.0	-6.5	-10.0	-9.6	-7.7	-3.6	-3.9	0.1	0.2	-2.7
1969	1.4	1.6	4.8	-3.2	-7.4	-11.3	-11.1	-13.4	-6.6	-3.0	-3.0	-0.7	-4.4
1970	2.3	2.6	2.1	-0.9	-5.3	-7.8	-9.9	-8.2	-3.1	-2.8	-0.3	2.4	-2.6
MEDIA	2.3	2.5	1.8	-1.2	-5.4	-9.4	-10.1	-8.7	-3.8	-2.1	-0.4	1.1	

TEMPERATURA MÍNIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1931	1.5 26	-2.0 18	-4.0 30	-6.0 11	-14.0 20	-14.5 27	-11.5 23-24-29	-9.0 7-18	-7.0 24	-0.5 6	-7.0 3		-14.5 27/6/31
1932	0.5 7	-1.0 13	-1.0 27	-5.1 26	-6.8 25	-14.4 25	-13.5 27	-14.4 6	-7.0 6	-9.5 6	-4.9 13	-2.0 18	-14.4 25/6/32 6/3/32
1934	-1.5 15	0.2 27	-0.9 13	-6.8 29	-14.3 21	-14.5 15	-17.3 14	-16.0 18	-13.2 7	-10.0 6	-2.0 28	-6.3 18	-17.3 14/7/34
1935	-4.0 4	0.0 2	-3.5 25	-15.5 30	-12.0 21	-13.0 16	-17.4 24	-16.0 11-16	-9.0 4	-9.5 1	-3.0 23	-4.0 2-10	-17.4 24/7/35
1936	-2.2 22	0.0 15	-1.5 1	-8.5 27	-10.1 23	-18.0 10	-20.6 13	-17.5 28	-9.5 1	-4.7 24	-1.5 30	-4.5 2	-20.6 13/7/36
1937	0.4 17	2.0 28	-4.5 31	-12.2 39	-12.6 1	-12.0 1	-14.6 18	-17.1 23	-7.4 22	-9.3 14	-6.0 8-11	-1.0 25	-17.1 23/8/37
1938	1.0 27	2.5 12	0.0 9-11-15	-1.7 22	-11.5 22	-11.0 4-6-7	-10.4 24	-11.7 16	-11.3 13	-3.0 2	-5.0 19	-3.4 31	-11.7 16/8/38
1939	-3.9 1	2.7 5	0.6 31	-4.3 26	-8.0 24-28	-13.6 29	-14.4 28	-13.9 1	-9.0 3	-11.5 4	-2.3 21	-2.8 22	-14.4 28/7/39
1940	-0.5 13	-3.4 7	-1.0 2	-9.3 17	-14.0 31	-13.0 4	-15.0 29	-14.0 15	-0.8 29	-7.9 3	-5.8 26	-3.4 21	-15.0 29/7/40

Continúa Temperatura Mínima Absoluta Mensual y Anual

AÑO D.T.A.	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEPT.	OCT.	NOV.	DIC.	MINIMA ANUAL
1941	-4.0 21	-2.0 24-27	-5.2 25	-5.3 1	-12.7 30	-15.0 17	-15.0 25	-15.0 14	-13.0 15	-6.0 15	-3.9 7	-0.0 19	-15.0 11/6/41 23/1/41 14/3/41
1942	0.5 2	0.5 12	-1.0 26-27	-2.7 19	-12.5 19	-9.5 6	-13.0 28	-6.3 1	-9.7 27	-7.9 7	-4.9 1	-3.8 2	-13.0 23/1/42
1943	-5.0 9	-2.6 20	-2.3 10	-5.0 30	-11.0 30-31	-13.5 6	-15.5 16	-11.9 14	-9.0 28	-9.3 5	-0.9 3	-0.8 29	-18.5 6/6/43
1944	-0.0 29	-0.9 20	-1.2 28	-11.5 25	-10.2 29	-15.0 12	-11.4 31	-16.9 7	-12.8 11	-4.8 26	-11.2 24	-6.0 16	-16.9 7/8/44
1945	-2.5 6	-1.5 9	0.6 1	-8.0 23	-12.5 30	-14.0 6	-17.0 6	-12.9 11	-13.6 16	-13.2 12	-9.1 8	-6.1 2	-17.0 6/7/45
1952	-4.5 5	-2.5 9	-3.5 8	-10.0 26	-14.0 14	-14.2 24	-16.2 13	-15.3 5	-11.5 28	-14.0 6	-6.5 11	-6.0 19	-16.2 13/7/52
1953	-6.0 11	-2.5 25	-2.5 8-28	-2.5 30	-15.5 25	-16.0 9	-19.0 9	-17.9 28	-15.0 3	-5.0 3	-2.9 5	-3.6 7	-19.0 9/7/53
1954	-3.0 23	-2.2 14	-2.0 6	-2.0 28	-11.0 21-22	-15.0 26-27	-16.2 15	-17.0 12	-3.0 1-5	-10.0 2	-5.0 7	-3.5 2-9	-17.0 12/3/54 11-13
1955	-5.0 4	-1.0 24	-4.0 1-21	-6.0 27	-11.3 25	-14.0 30	-19.5 30	-16.8 2-4	-11.5 9	-13.5 27	-13.0 7	-7.5 2	-19.5 30/7/55
1956	-2.8 1	-2.0 23-29	-13.0 26	-13.0 28	-14.0 26-27	-20.0 15	-22.4 4	-19.0 23	-13.0 11	-14.5 17	-10.5 25	-9.4 8	-22.4 4/7/56
1957	-3.5 8-25	-2.0 9-10	-3.0 16	-2.5 9	-3.0 15-16	-16.0 21-29	-19.8 2	-19.0 3	-11.5 19	-9.5 7	-4.0 17	-6.0 28	-19.8 3/7/57
1958	0.5 26	-4.5 28	0.0 25	-5.0 12	-10.0 30-31	-16.0 22	-14.5 10	-13.0 13	-11.0 24	-4.2 24	-10.0 3	-5.0 12-13	-16.0 22/6/58
1959	-2.6 18	-1.3 5	-4.0 26-27	-3.5 23	-3.5 30	-14.0 7	-15.5 20	-15.5 18	-9.5 2	-7.5 1	-0.0 6	-3.0 3	-15.5 20/7/59 10/8/59
1960	-1.2 8	-2.0 27-28	-3.8 17	-3.0 12	-15.5 15-16	-20.5 24	-16.5 10	-13.2 18	-10.0 11	-4.2 9	-3.0 7	-9.0 19	-23.5 24/6/60
1961	-5.1 16	-2.5 18	-3.0 21	-3.4 21	-15.2 31	-17.6 25	-19.3 17	-20.1 25	-10.0 17	-11.0 12-13	-7.7 6	-1.1 9	-20.1 25/8/61
1962	-3.9 23	-2.3 13	-3.5 12	-1.0 15	-14.0 15	-19.0 16	-17.0 9-14	-19.0 25	-7.0 6-17	-13.8 4	-8.0 2-11	-1.5 7	-19.0 25/8/62

Continúa: Temperaturas Mínimas Absolutas Mensual y Anual

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMEDIO ANUAL
1963	-1.3 5	-1.2 11-19	-1.5 7-13-31	-5.5 30	-11.0 30	-16.5 16-30	-16.3 8	-19.0 11	-13.0 3-4-26	-5.2 25	-4.0 11	-3.0 23-25	-13.0 11/3/63
1964	-1.1 15	0.5 1	1.0 31	-1.5 29	-14.0 17	-1.5 17	-17.5 18	-15.2 24	-0.0 27	-9.8 13	-7.5 11	-7.0 6	-17.5 13/7/64
1966	-3.0 14-16-20	-2.6 11	-7.1 9	-10.0 27	-14.0 25	-15.0 2	-13.9 23	-11.9 14	-11.0 3	-4.0 30	-4.5 19	-1.5 27	-10.9 23/7/66
1967	-3.1 18-21	-1.7 6	-3.5 30	-6.7 25	-2.0 12-14-15	-14.2 30	-15.9 29	-13.2 15	-9.0 1	-6.0 12-23	-6.3 9-22	-2.0 4	-15.9 29/7/67
1968	-1.5 25	-1.5 29	-1.6 1	-7.0 28	-11.6 30	-13.5 21	-13.4 8	-12.5 13	-15.0 20	-9.0 18	-6.0 19	-4.5 27	-15.0 20/9/68
1969	-1.0 18	-2.1 25	-3.4 12	-11.3 30	-12.0 3	-16.8 6	-13.0 12	-18.5 14	-15.5 1	-11.6 3	-10.3 5	-6.0 11	-13.0 12/7/69
1970	-2.0 17	-1.2 22-26	-2.0 20	-6.6 21	-12.7 21	-10.7 29	-16.4 14	-14.6 14	-9.0 25	-11.0 8	-3.0 (6-)	-4.0 4	-16.4 11/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-9.0 23/1/54	-1.7 6/2/61	-10.0 26/3/56	-13.5 30/4/55	-15.5 25/5/53 15-16/ 5/60	-20.5 24/6/60	-22.4 4/7/56	-20.1 25/8/61	-15.5 1/9/69	-14.5 17/10/56	-13.0 7/11/55	-3.4 8/12/56

NOTA: * Información obtenida por extrapolación.

ESTACION "DESAGUADERO"

Latitud: 16°34'

Longitud: 69°09'

Altitud: 5,369 m.s.n.m.

Departamento: Puno

Provincia: Chucuito

Distrito: Desaguadero

TEMPERATURA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMEDIO ANUAL
1957	4.6	5.2	5.4	2.6	-1.8	-4.9	-7.4	-5.7	-4.6	3.4	3.8	4.2	0.4
1958	6.9	6.6	5.1	0.8	-1.9	-6.5	-6.1	-4.9	-2.1	1.8	1.8	3.9	0.4
1959	4.4	6.9	5.8	3.2	-1.1	-6.5	-6.0	-4.5	-0.4	1.8	3.2	5.3	1.0
1960	5.8	5.3	0.9	2.5	-3.0	-7.2	-7.4	-2.8	1.1	2.3	4.9	3.3	0.5
1961	5.3	5.8	4.9	2.0	-0.1	-4.0	-7.0	-5.1	2.9	2.8	5.3	5.8	1.6
1962	5.8	5.7	5.0	2.7	-0.8	-7.2	-3.3	-6.1	2.8	1.3	2.3	6.5	1.2
1963	6.0	6.2	6.2	5.4	2.8	-1.6	-4.0	0.1	1.9	4.0	3.6	6.5	3.1
1964	5.6	6.2	6.2	4.4	0.3	-4.6	-5.7	-1.4	-0.7	0.2	2.1	4.2	1.4
1965	4.8	5.6	3.9	2.6	-0.3	-6.2	-5.6	-4.9	0.0	0.7	2.6	5.3	0.5
1966	5.4	5.7	5.2	0.6	-4.6	-6.6	-7.4	-4.6	-1.8	3.2	3.7	4.4	0.5
1967	4.0	5.5	5.7	1.5	-1.0	-6.4	-4.4	-3.2	1.9	1.7	0.1	4.0	0.8
1968	4.2	5.6	4.9	0.7	-1.0	-3.2	-7.4	-5.1	-2.6	1.3	3.9	3.3	0.4
1969	4.7	6.8	4.6	0.9	-5.5	-6.4	-6.6	-6.9	-1.3	0.5	3.2	4.6	0.0
1970	6.0	5.0	4.2	2.5	-3.1	-3.9	-6.8	-5.5	-0.6	1.2	0.7	5.2	0.2
MEGIA	5.2	5.8	4.8	2.3	-1.5	-5.5	-6.1	-4.3	-0.2	1.9	2.9	4.8	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1957	-2.0	1.2	2.4	-3.0	-7.0	-11.5	-11.5	-10.5	-10.5	0.0	-2.0	-4.5	-11.5
	7	14	16	12	16	4-5	20	19-20	5-6	1	7	8	6-5/6/57 20/1/57
1958	4.0	4.0	1.8	-4.4	-6.5	-10.5	-11.5	-11.8	-3.5	-0.5	-2.5	-2.0	-11.8
	31	27	3	12	5	17	17	12	7-12-20	31	6	9	12/3/58

Continúa: Temperatura Máxima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1959	-2.0 18	5.0 5-21-22	2.0 22-25 28	-5.0 22	-6.5 11-12	-10.6 10	-10.0 31	-10.5 14	-8.5 2	-5.0 30	-4.0 20	1.0 8	-10.6 10/6/59
1960	2.5 7-8-9	2.0 28	-6.0 18	-5.5 12	-7.0 15-17 24	-11.0 20-22	-11.5 11	-9.5 30	-5.5 8	-2.5 15	-1.5 17	-3.0 25	-11.5 11/7/60
1961	1.2 7	3.8 18	1.0 22	-6.0 28	-6.5 31	-7.5 9	-11.5 16-18	-10.5 3-29	-1.5 1-12	0.0 18	1.0 5	2.0 11	-11.5 16-18/7/61
1962	1.0 12	1.5 9	1.5 21	-2.0 30	-6.5 3-28	-11.0 18	-8.0 8-9	-11.0 7	-1.5 29	-6.0 2	-4.0 4	3.0 20	-11.0 18/6/62 7/8/62
1963	4.5 3-6 16-30	5.0 26	4.5 9-10	4.0 1-10 11-18	0.0 22	-4.5 4	-5.5 5-6-8	-6.0 11	-2.0 3	-3.0 1	-3.0 1-10	3.5 31	-6.0 11/8/63
1964	-2.5 21	4.5 10	4.0 7	-1.5 30	-6.5 4	-7.0 10-11	-3.0 2	-8.5 8	-6.5 4	-4.5 20		0.0 31	-8.5 8/8/64
1965	2.0 8	2.5 27	1.5 1-27 29-30	-2.5 8-9	-4.5 14-15	-3.5 16	-3.5 29-31	-11.5 2	-4.5 18	-4.5 29	-3.5 1	2.5 10	-11.5 2/8/65
1966	2.5 7-9	1.0 11	2.0 26	-5.5 16	-6.0 26-30	-13.0 30	-12.0 2-22	-8.5 10	-8.5 3	-6.5 31	-4.5 14	-1.0 3-5	-13.0 30/6/66
1967	-3.0 28	2.5 1	4.5 19-21 22-25 27-30-31	-8.0 24	-6.0 12	-10.5 11	-10.0 21	-7.5 29-30	-6.0 1	-3.5 12	-6.5 22	1.0 1	-10.5 11/6/67
1968	-2.0 25	2.5 29	2.0 2	-7.0 38	-9.5 9	-9.5 7	-10.5 8-20-21	-11.5 5-6	-8.5 20	-7.5 17	-2.5 20	-1.5 27	-11.5 5-6/3/68
1969	2.0 18	3.5 18	0.5 31	-9.5 29-30	-12.0 2-5	-12.0 6-8-20	-12.0 12	-13.0 1-2-3-14	-6.5 1	-9.0 3	-3.5 2	-2.5 10	-13.0 1-2-3 14/8/69
1970	2.0 7	-2.5 21	0.0 22	-1.0 18-24	-10.5 22	-12.5 29	-13.5 14	-14.0 14	-7.0 22	-2.0 5	-4.0 29	1.0 12	-14.0 14/8/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-5.0	-3.5	-6.0	-2.5	-12.0	-13.0	-13.5	-11.0	-10.5	-9.0	-2.5	-4.5
20/1/67	21/2/70	10/3/60	29-30/4/69	2-3/5/69	30/5/66	14/7/70	14/8/70	5-6/9/57	3/10/69	6/11/50	8/12/57 27/12/68

NOTA: + Información obtenida por extrapolación.

ESTACION "GRABIA SALCEDO"

Latitud: 15°53'
Departamento: Puno

Longitud: 69°59'
Provincia: Puno

Altitud: 3,825 m.s.n.m.
Distrito: Puno

TEMPERATURA MENSUAL MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1931				2.2	-0.1	-3.0	-3.3	-1.3	0.3	1.1	1.5	3.3	
1932	3.3	3.4	2.7	1.1	-0.7	-4.5	-2.7	-2.6	0.1	1.5	1.3	2.6	0.4
1933	3.3	3.5	3.7	1.3	-1.2	-2.3	-3.4	-2.0	-0.3	0.9	1.4	2.7	0.6
1934	2.2	1.4	1.4	0.2	-2.6	-3.2	-3.0	-2.1	-1.4	0.4	1.8	2.3	-0.2
1935	3.2	2.4	3.1	0.0	-2.4	-3.2	-2.9	-3.5	-0.8	1.0	2.3	3.4	0.4
1936	3.0	2.6	2.2	-0.2	0.5	-2.9	-1.4	-2.5	-0.6	2.0	1.6	2.0	0.3
1937	3.6	3.1	2.5	0.5	-2.5	-2.0	-3.3	-2.2	-0.4	0.5	2.2	1.9	0.3
1938	2.7	3.0	2.0	2.0	-0.9	-2.5	-2.7	-2.2	-0.9	-0.2	1.2	2.3	0.4
1939	2.9	2.9	2.9	0.9	-0.4	-2.0	-2.7	-2.3	0.8	1.2	3.6	3.3	1.1
1940	4.0	4.0	3.8	2.5	-0.6	-1.2	-2.8	-0.9	1.2	2.3	-1.9	3.9	0.9
1941	4.9	3.2	4.2	3.2	1.8	-1.9	-3.4	-1.8	0.6	2.7	3.6	3.5	1.9
1942	4.7	4.0	3.7	2.2	0.1	-1.5	-2.7	-0.5	0.6	1.4	1.3	2.1	1.4
1943	3.5	4.4	4.1	1.5	-0.4	-1.8	-2.4	-2.2	-0.1	2.2	2.4	2.9	1.2
1944	3.4	4.1	3.6	0.0	0.0	-3.1	-1.5	-2.0	0.1	2.0	0.0	3.8	0.9
1945	4.7	3.1	4.2	1.1	-2.5	-2.8	-4.1	-1.0	0.8	1.2	2.3	3.4	0.9
1946	4.4	4.4	3.8	1.7	-0.1	-2.1	-4.5	-1.8	-0.1	1.5	3.4	4.3	1.2
1947	4.2	3.5	2.9	2.2	-1.1	-3.8	-2.6	-2.0	0.5	0.4	1.4	3.2	0.7
1948	2.8	3.7	3.0	1.8	-1.4	-1.9	-3.0	-1.3	-1.1	2.4	2.1	2.6	0.8
1949	3.0		2.5	0.8	-2.1	-1.5	-2.3	-1.7	0.4	1.1	2.3	3.1	0.5
1950	3.8	3.7	2.8	1.5	-1.0	-1.6	-2.1	-2.0	-0.8	0.4	1.6	3.4	0.6
1951	3.1	2.3	3.0	1.2	-2.9	-3.9	-3.9	-2.2	1.3	1.0	2.3	3.0	0.4
1952	4.2	3.8	2.8	1.1	1.5	-3.0	-2.9	-1.7	-1.0	2.2	1.8	3.0	1.0
1953	3.7	3.7	3.6	1.1	-2.0	-2.2	-3.3	-1.4	1.0	2.8	3.6	3.6	1.2
1954	3.1	3.5	3.0	2.4	0.7	-2.0	-2.4	-1.2	1.6	1.6	3.2	3.8	1.4
1955	3.3	4.0	4.2	2.1	-0.3	-0.6	-1.0	-1.1	0.4	1.0	2.0	3.4	1.4

Continet Temperatura Mielna Media

ANO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1956	4.0	3.6	3.0	1.0	-0.5	-2.1	-3.2	-2.0	1.0	1.0	1.0	2.8	0.8
1957	3.5	4.3	4.0	2.7	3.1	-1.4	-1.6	-1.1	-0.3		2.6	3.2	
1958	4.9	3.4	3.7	1.1	0.6	-0.4	-0.8	-0.7	2.4	3.6	3.5	4.0	2.3
1959	3.7	4.8	3.9	3.3	-0.5	-1.0	-3.5	-2.8	-1.2	-0.7	1.0	1.8	0.5
1960	2.9	1.4	1.1	2.3	0.3	-3.0	-1.2						
1961	0.0	3.5*	4.5*	2.1	1.7	-1.4	-2.6*	-2.2*	1.1*	1.9	2.8	3.6	1.9
1962	4.1	3.6	3.5	1.8	-0.6	-1.0	-2.0	-3.3	1.6	1.3	2.3	2.9	0.9
1963	4.1	3.5	4.3	2.6	-0.3	-2.1	-1.4	-0.6	0.6	2.4	2.9	4.3	1.7
1964	3.7	3.9	2.6	0.6	-1.8	-5.2	-6.3	-4.0	-2.5	-1.0	-0.9	0.5	-0.9
1965	2.5	2.6	1.9	1.2	-0.7	-3.7	-2.8	-2.6	0.4	0.3	1.2	2.6	0.2
1966	2.7	3.0	2.0	0.0	0.4	-1.3	-2.1	-2.0	1.1	3.7	3.3	4.4	1.2
1967	4.4	3.0	4.1	3.1	1.3	-0.1	-1.6	-0.4	2.0	2.9	2.0	2.9	2.0
1968	3.9	4.1	3.4	1.4	0.3	-1.3	-2.4	-1.2	0.0	2.3	3.1	2.9	1.4
1969	3.7	4.6	4.3	2.9	0.5	-1.1	-0.1	-0.6	0.2	2.0	3.8	4.0	1.7
1970	4.0	4.0	3.3	2.9	0.2	-0.8	-1.7	-0.9	1.0	1.1	2.3	4.1	1.7
MEDIA	3.7	3.7	3.2	1.6	-0.4	-2.4	-2.7	-1.8	0.3	1.4	2.0	3.1	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

ANO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1951				-0.1	-0.2	-0.0	-7.0	-6.0	-2.2	-3.4	-2.4	1.0	
				30	12	26	29	15	24	19	15	6	
1952	1.0	1.0	1.0	-2.2	-3.3	-6.2	-7.2	-6.3	-4.0	-3.0	-3.0	-1.0	-0.7
	16-22	19	12-13	27	26	25	26	3-6	3	5	23	29	25/6/52
1953	-4.3	0.5	0.0	-1.7	-0.5	-7.5	-3.2	-6.0	-4.8	-3.4	-7.0	-1.0	-0.2
	14	15	24	28	17	17	18	23	12	13	10	6	18/7/53
1954	-0.6	-0.0	-2.0	-2.5	-4.0	-5.5	-6.5	-0.4	-3.4	-3.8	-1.3	-1.6	-0.5
	24	26	31	21	23	6	13	18	20	6	6	19	13/7/54
1955	1.2	-0.1	0.0	-1.2	-3.5	-6.0	-5.5	-7.5	-6.6	-4.8	-1.0	0.2	-2.5
	31	20	16	26	6	11	12	11	30	1	20-28	10	11/8/55

Continúa: Temperatura Máxima Absoluta Mensual y Anual

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1926	0.0 12	-2.0 16	0.0 13	-4.0 21	-5.4 23	-7.6 11	-11.5 13	-5.0 27-28	-5.4 5	-3.4 4	-1.5 30	-2.5 11	-11.5 13/7/26
1927	1.0 23	0.0 23	-1.5 31	-6.4 30	-5.5 13	-6.0 16	-5.7 18	-0.2 24	-4.0 21	-0.2 13-27	-1.0 8	-1.0 16	-5.2 24/4/27
1928	-1.0 13	0.0 11	-1.0 15	0.0 28	-5.0 22	-4.5 12-27	-5.0 9-11	-5.2 9	-5.0 13	-5.0 2	-1.0 10-17 18-29	-1.0 1	-5.2 9/8/28
1929	-0.3 9	1.0 7	-1.5 13	-2.0 26-29 24-27	-5.0 12-13 24-27	-5.0 10	-6.0 29	-5.0 1	-4.0 3	-0.5 4	1.0 16-26	-1.0 18	-6.0 29/7/29
1930	0.0 5-31	1.5 22	0.4 5	-3.0 17	-5.4 17	-5.4 2	-7.0 28	-7.0 15	-2.0 4	-4.0 5-6 20-28	-5.0 14	-3.5 21	-5.0 16/11/30
1931	1.4 11	2.5 6	1.9 13	-0.4 1	-5.5 30	-6.3 24	-7.2 16	-7.0 7	-4.3 16	-1.5 14	1.1 23	0.1 6	-7.2 16/7/31
1932	2.0 13-14	1.4 12	0.5 3	-3.2 18	-6.2 19	-7.6 15	-5.4 16	-3.0 19	-5.0 24	-4.0 7	-1.1 14	-1.7 7-9	-7.6 15/6/32
1933	-1.1 19	2.0 9-10	2.0 3	-2.2 30	-4.0 19	-7.1 13	-5.6 23	-4.3 5	-2.6 14	-5.0 2	-3.8 3	0.2 20	-7.1 13/6/33
1934	0.5 8	0.1 11	-0.4 30	-7.5 25	-5.3 21	-6.2 23	-5.6 31	-0.5 7	-2.0 11-25	-1.5 6	-4.0 2	0.2 1	-0.5 7/1/34
1935	2.0 4	0.5 9	1.0 12	-4.0 19-27	-6.0 30	-5.0 1-19	-11.7 6	-5.9 10	-4.2 17	-4.4 12	-0.2 27	0.0 10-12	-11.7 6/7/35
1936	1.5 2	1.3 23	1.1 2	-1.4 19	-6.0 22	-5.0 26	-7.4 13	-5.3 2	-5.5 26	-2.6 18	0.4 12	1.5 18	-3.4 13/7/36
1937	1.0 29	0.0 24	0.0 30	-1.0 17	-5.0 21	-6.4 10	-6.0 10-27	-7.5 4	-5.0 8	-0.2 18	-2.0 11	-0.2 19	-7.3 1/4/37
1938	-0.1 20	0.0 24	-0.5 25	-0.1 25	-5.0 27-30	-6.0 3	-7.9 24	-5.8 18	-4.5 14	0.0 17-22	-0.2 19	-2.5 18	-7.9 24/7/38
1939	0.5 27		-0.1 5	-0.6 21	-5.1 3-21	-6.0 8-11	-4.4 2	-6.5 16	-5.0 1-5	-5.0 4	-5.2 19	-0.2 1	-6.5 16/3/39
1940	1.3 2	2.0 11	0.8 18-20	-4.2 30	-7.5 28	-7.5 18	-5.4 15	-4.4 6	-4.0 3	-5.5 5	-2.6 15	-0.5 18	-7.5 20/5/40 18/6/40
1941	-0.6 12	-4.0 6-3	1.2 25-31	-4.0 23	-6.0 24	-5.0 1	-7.5 24	-7.4 25	-5.6 19	-0.8 6	-4.5 27	0.0 16	-9.0 1/6/41
1942	1.0 29	0.4 28	0.8 7	0.0 26-29	0.2 5	-5.0 16	-5.6 15	-4.5 4	-5.0 22	-0.2 30	-5.0 7	0.6 17	-5.3 16/6/42

Cantónes Temperaturas (Folios Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	ME.DIA ANUAL
1953	2.0 21	1.0 25	1.0 8	-2.5 29	-7.2 21	-4.4 10	-4.5 9-10-13	-7.5 25	-2.7 22-24	-3.5 3	1.5 11	0.0 22	-7.5 23/8/53
1954	-0.5 5	-2.5 13	-1.4 10	-2.4 27	-2.0 21	-5.2 25	-5.2 12	-5.4 27	-3.0 28	-5.0 2	0.0 21	2.2 8-12 17-22	-5.0 25/6/54
1955	1.2 11-12 13-14	1.4 7	2.0 9-25	-1.2 27-28	-5.2 25	-7.0 5	-7.0 30	-1.4 1	-5.0 7-8-9	-3.2 20	-4.0 7	-1.4 3	-7.0 5/6/55 30/7/55
1956	2.0 6-10-17	2.2 2-16-21	0.2 1	-2.0 18	-1.8 27-28	-5.2 13-17	-4.3 4	-6.0 3	-2.2 8-10	-6.0 16	-4.0 15	0.0 11	-4.3 4/7/56
1957	1.2 29	2.3 2-12	2.0 13-27 28	-0.2 3	1.7 16	-7.0 2	-7.4 23	-5.8 19	-4.0 3-8-9		-3.3 29	-7.0 25	-7.4 23/7/57
1958	1.6 26	1.0 21	2.0 14-15 16	-2.5 8	-5.2 5	-5.5 17	-5.5 25	-2.5 12	-0.5 4	0.0 27	-0.3 2	2.0 8-9 17	-5.5 12/8/58
1959	-0.5 17	1.0 20-26	1.5 22	-5.0 24	-7.5 10	-8.0 6-7-8	-10.2 31	-6.0 14	-4.5 11	-5.0 20-24 30	-3.0 11	-1.0 15	-10.2 31/7/59
1960	-1.0 15	0.0 9-19-24 27-28-29	-5.0 16-17	-1.8 12	-6.0 15	-6.5 14-20	-4.5 1						
1961	6.0 29			-1.5 21	-1.0 1-26-29 30-31	-4.0 25-26				-5.0 16	0.0 7	1.0 2-11-12	
1962	2.0 7-27-28	0.5 18	0.0 17	0.0 19-25	-6.0 31	-7.2 14	-6.0 30	-6.2 3	-1.0 7	0.0 1-5-12 13-15 16-31	0.0 4-7	1.0 6-9-10 11-17 18-19	-2.0 30/7/62
1963	2.0 2-10-17 18-19-21 22-24	1.0 1-5-4 7-25	1.5 27	-2.0 19	-2.5 23-24	-6.0 16	-5.0 8	-1.0 11	-2.0 3-21-22	-5.0 9-14	-0.0 10	-2.0 6-14 31	-6.0 16/6/63
1964	1.5 1-28	0.0 18	-1.5 2	-5.0 30	-5.2 4	-5.5 4	-1.0 2-8-16	-0.4 8	-2.0 27	-7.0 27	-5.0 5-6-8	-5.0 9-31	-2.5 4/6/64
1965	0.5 1	0.0 22	-1.0 1-3	-1.0 4-3	-1.0 14-15	-6.0 24	-6.0 19-23 30	-5.5 20	-6.0 10-11	-5.5 18	-2.1 17	-1.0 10	-6.0 24/6/65 19-29 30/7/65 10/11/9/65

Continúa: Temperaturas Mínimas Absolutas Mensual y Anual

AÑO DÍA	JAN.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1966	1.0 19-22-24	0.5 18	-0.5 22-25	-2.5 30	-2.0 19-23-25	-0.4 30	-4.0 1-23	-4.0 9	-4.0 2	0.6 29	-0.2 12	2.0 23	-0.4 30/6/66
1967	1.8 30	3.2 2	2.0 6-15	-0.4 25	-1.0 13-14	-5.5 12	-5.0 18	-5.0 29	-1.0 5	-2.4 20	-1.0 4	1.5 4-17-23	-5.0 18/7/67 29/8/67
1968	-0.5 25	2.0 23	1.0 7	-4.0 19	-3.2 8	-4.2 7	-6.6 6	-6.0 5	-4.4 3	-2.8 18	0.4 20	-1.4 26-27	-6.6 6/7/68
1969	1.4 30	2.6 8	1.0 31	-3.2 29	-5.2 2-5	-5.8 20	-5.6 12	-5.4 14	-2.4 19	-2.4 3	1.4 7	-1.6 18	-5.8 28/6/69
1970	1.4 7	1.2 20	0.4 20	0.6 15	-5.2 21	-5.8 28	-6.8 14	-4.4 14	-1.8 20	-2.8 14	-2.6 6	1.6 12	-6.8 14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-1.9 19/1/43	-2.0 26/2/34 16/2/36	-3.0 16/11/37 3/60	-7.5 25/4/44	-7.5 20/5/50 14/5/59	-7.5 4/6/64	-11.7 6/7/45	-9.5 32/8/58	-8.0 27/9/64	-7.0 27/10/64	-7.0 14/11/40	-7.0 25/12/57

NOTA: * Información obtenida por extrapolación.

ESTACION "HUMOCANE"

Latitud: 15°42'

Longitud: 69°45'

Altitud: 3,800 m.s.n.m.

Departamento: Puno

Provincia: Huancane

Distrito: Huancane

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	4.6	5.2		2.7	-1.5	-5.8	-6.8	-5.3	-0.7	1.3	1.3	2.1	-0.1
1965	1.0	2.5	2.7	0.8	-1.0	-6.7	-6.3	-5.9	-2.4	0.0	3.2	4.6	-0.8
1966	3.7	3.0	3.3	-0.3	-2.6	-3.6	-7.1	-5.0	-5.3	-0.3	1.7	2.5	-0.6
1967	1.6	3.5	1.6	-2.4	0.2	-3.8	-3.0	-1.3	1.7	2.0	1.0	3.1	0.4
1968	3.0	4.0	2.4	0.5	-2.7	-5.0	-6.4	-3.0	-1.8	0.8	2.6	1.8	-0.4
1969	2.4	2.7	2.1	1.2	-2.0	-3.5	-4.1	-3.1	0.4	2.4	3.0	3.5	0.3
1970	4.2	3.7	3.2	2.8	-1.3	-4.6	-5.3	-3.8	-0.4	0.8	1.7	2.9	0.3
MEDIA	3.0	3.6	2.6	0.8	-2.0	-4.8	-5.6	-3.8	-0.9	1.0	2.2	2.9	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	1.2 23	2.4 29		0.1 5-16	-6.6 4	-8.2 4	-9.2 9	-6.7 8	-6.5 5-6	0.9 14-30	0.0 24-27	0.0 7	-0.2 9/7/64
1965	0.4 4	0.0 21	1.4 31	0.0 25-29 30	-6.8 25-30 31	-11.4 26	-10.7 29	-12.0 2-14-21	-6.3 10	-2.3 21	0.2 4	1.0 25	-11.4 26/6/65
1966	2.0 22-27	1.0 21	0.4 7-14	-1.4 27	-6.4 12	-8.0 5	-11.6 9	-9.2 12	-6.6 2	-1.0 2	-3.4 15	0.2 29	-10.6 9/7/66
1967	-2.2 17	1.0 10	-0.8 1-10-25	-7.2 29	-3.8 13	-7.0 12	-6.6 29	-1.8 1	-2.2 12	-0.8 12	-2.0 4	-0.6 6	-7.2 29/4/67
1968	-3.6 23	1.2 28	0.2 1	-1.6 19	-6.8 30	-8.6 6	-10.2 8	-7.0 5-9	-6.4 1	-1.2 21	0.2 21	-0.2 30	-10.2 8/7/68

Continúa: Temperaturas Mínimas Absolutas Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1969	-3.6 7-9	-1.0 22	-1.0 8	-2.0 30	-2.0 2	-3.6 20	-7.8 16	-7.8 9	-6.4 9	-5.0 5	-6.8 5	-2.0 10	-2.8 9/8/69
1970	2.0 18	1.2 20	0.0 28	-1.4 27	-3.0 19	-3.0 20	-10.6 14	-7.8 12	-4.0 24-25	-6.6 8	-2.0 6	-3.4 12	-10.6 14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-3.6 23/1/69	-1.0 22/2/69	-1.0 8/3/69	-2.2 29/4/69	-3.0 2/5/69	-11.4 26/6/65	-10.7 29/7/65	-10.0 2-14-21 8/65	-6.6 2/9/66	-6.6 3/10/70	-5.4 15/11/66	-2.0 10/12/69

ESTACION "ILAVE"

Latitud: 16°05'

Longitud: 69°39'

Altitud: 3,850 m.s.n.m.

Departamento: Puno

Provincia: Chucuito

Distrito: Ilave

TEMPERATURA MINIMA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROM. ANUAL
1964	3.5	4.0			-2.4	-2.0	-2.7	-4.3	-1.4	-2.3	1.0	2.5	
1965	3.5	3.9	3.6	2.1	-1.8	-2.2	-5.5	-6.4		-0.8			
1966	3.1	3.9	2.6	2.0*	-2.8	-5.4	-6.4	-5.1*		1.0	1.7	3.0	-0.1
1967	2.7	3.6	4.3	1.0	-2.3	-2.3	-4.9	-2.5	1.5	2.5	1.7	3.1	0.8
1968	3.8	4.6	5.6	1.1	-2.5	-3.3		-1.5	-1.0	0.8	1.0	1.6	0.9
1969	2.0	3.1*	2.3*							2.7	3.6	4.2	
1970	4.5	4.1	3.3	2.0	-1.4	-3.8	-6.4	-3.3	-2.1	1.1	1.7	4.3	0.7
PROM.	3.3	3.9	3.3	1.6	-1.1	-2.8	-5.6	-3.8	-0.2	1.1	1.8	3.1	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROM. ANUAL
1964	0.0 14	1.2 1-5-7			-5.4 24	-2.0 10	-11.2 8	-10.0 14	-0.2 5	-6.0 20	-1.4 8	-2.2 31	
1965	0.2 6-8	1.8 5	1.8 11-22	0.2 9-24	-0.2 13	-13.0 25	-13.0 4	-15.0 29		-5.2 21			
1966	1.4 9-14-31	2.2 12	0.4 22		-5.2 24	-11.0 30	-14.4 1			-2.0 5	-1.0 12	1.4 28	
1967	-1.0 31	-1.8 1	1.8 7	-3.2 28-29	-4.2 7	-2.8 13	-2.0 19	-0.4 29	-2.6 2	-0.2 18-13	-3.2 22	-0.8 21	-3.0 19/7/67
1968	0.0 24-25	1.2 1	2.0 8	-4.2 19	-2.4 9	-3.2 7		-2.4 11	-2.2 1	-2.0 4	0.2 5	-1.8 21	
1969	-1.0 15									0.2 12	1.2 6	0.8 10	
1970	2.4 26	0.0 21	0.2 18	-1.0 21	-0.4 21	-6.0 29	-0.8 13	-0.4 14	-3.4 2	-1.8 6	-3.6 6	0.2 12	-0.8 13/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-1.0	-0.8	0.2	-1.2	-0.4	-15.0	-14.4	-15.0	-2.2	-6.0	-1.4	-2.2
31/1/67 15/1/69	1/2/67	12/3/70	19/4/68	21/5/70	25/6/65	1/7/66	29/8/65	1/9/68	20/10/64	8/11/64	31/12/64

NOTA: * Información obtenida por extrapolación.

ESTACION "JULYAC" (GRIPAC)

Latitud: 19°29'

Longitud: 70°09'

Altitud: 3,825 m.s.n.m.

Departamento: Puno

Provincia: San Andrés

Distrito: Juliaca

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1962	3.2	3.6	2.6	0.4	-3.8	-11.0	-8.6	-7.9	0.9	-2.3	-1.4	2.3	-2.0
1963	3.4	3.2	3.1	0.9	-3.2	-9.1	-8.5	-6.0	-2.2	-3.3	0.3	2.8	-1.4
1964	1.5	2.8	2.5	-3.2	-4.5	-10.3	-10.8	-7.2	-4.6	-2.4	-1.0	0.4	-3.8
1965	1.4	1.7	1.5	-1.1	-7.0	-10.4	-9.3	-7.8	-1.3	-2.4	0.1	2.8	-2.8
1966	2.4	2.5	0.5	-3.1	-5.7	-7.0	-3.8	-2.5	-2.4	1.6	1.6	2.5	-1.7
1967	2.3	3.2	3.3	-1.4	-3.2	-7.2	-6.8	-1.7	-0.6	0.2	0.0	2.4	-1.0
1968	3.0	3.2	2.3	-1.4	-1.1	-7.6	-8.5	-9.6	-3.0	0.8	3.3	1.5	-1.2
1969	3.7	3.4	2.6	0.4	-1.0	-7.1	-6.2	-8.5	-3.3	-0.4	2.2	2.7	-1.4
1970	4.2	3.0	2.3	0.6	-1.4	-5.9	-7.4	-6.5	-2.1	-1.4	-0.2	3.2	-1.2
MEDIA	2.8	3.2	2.5	-3.5	-4.3	-8.4	-8.6	-6.9	-2.3	-0.7	0.5	2.3	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1962	0.5 23	0.6 9	0.4 22	-7.0 29	-12.0 16	-15.0 15	-15.0 5	-16.8 6	-3.0 27	-3.0 4	-6.0 8	-0.2 6	-16.8 6/3/62
1963	1.0 2	1.3 4	-0.0 19	-5.5 19	-7.6 30	-13.0 17	-13.6 8	-12.0 12	-7.7 4		-4.0 18	-1.0 25	-15.9 17/6/63
1964	-2.0 13	0.0 22-23	-3.0 2	-7.0 30	-11.0 4	-14.2 4	-15.1 2	-12.2 7	-12.0 7	-8.0 7	-4.5 6	-3.7 5-12	-15.1 2/7/64
1965	-2.0 6	-1.0 27	-3.5 9	-4.0 29	-11.6 25	-15.5 12	-16.5 30	-14.2 14	-12.2 10	-6.0 19-30	-5.0 12	-2.0 25	-16.5 30/7/65
1966	0.0 14	0.1 11	-1.4 9	-6.9 7	-7.9 25-30	-10.1 3	-16.1 23	-9.0 15	-3.8 3	-2.0 28-30	-4.4 13	-0.9 28	-16.1 25/7/66

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1967	-5.2 17	0.1 6	-0.5 31	-7.3 28	-7.0 9	-12.6 12	-12.2 18	-10.3 30	-7.2 1	-4.1 12	-5.4 5	0.0 5	-12.6 12/6/67
1968	-5.5 25	0.0 29	-1.6 29	-5.6 28	-10.0 9	-11.1 7	-11.7 16	-12.0 5-14	-10.6 3	-6.0 18	-0.1 15-16	-4.0 27	-12.0 5-14/68
1969	0.9 2	-3.7 25	-1.6 31	-10.3 29	-3.2 21	-11.6 5	-14.0 12	-14.5 14	-6.2 12	-6.1 5	-1.0 4-6	-3.5 11	-14.5 14/69
1970	1.8 17	0.5 20	-1.1 20	-4.9 21	-12.5 21	-10.4 29	-12.5 14	-12.0 6	-6.4 22	-0.1 6	-6.0 9	-1.5 12	-12.5 21/5/70 14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-3.5 25/1/60	-1.0 21/2/65	-4.4 9/3/66	-12.3 29/4/69	-12.5 21/5/70	-15.5 12/6/65	-16.5 30/7/65	-15.3 6/8/62	-12.2 10/9/65	-3.1 6/10/70	-4.0 8/11/62	-4.0 21/12/66 9/11/70

ESTACION "JULI"

Latitud: 16°13'

Longitud: 69°28'

Altitud: 3,852 m.s.n.m.

Departamento: Puno

Provincia: Chucuito

Distrito: Juli

TEMPERATURA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1957	3.9	5.7	6.5	5.7	5.6	0.2	-1.5	2.0	1.9	6.8	5.1	5.2	4.0
1958	5.5	4.6	5.8	5.3	5.1	1.2		3.3	3.2	4.5	4.7	5.5	4.4
1959	5.4		5.7	4.6	5.3	2.7	1.5	2.2	3.3	4.1	4.7	5.4	4.0
1960	4.2	3.0	4.6	4.2	1.9	0.9	2.8	1.3	2.2	3.8		4.3	3.2
1961	3.4	4.1	4.5	4.5	3.6		1.7		3.4	4.4		5.4	
1962	5.6	4.7	4.8	4.1	1.6		2.2	1.5	3.5	4.3	3.7	4.6	3.7
1963	5.3	4.7	5.4	4.6	3.1	1.3		2.2	3.6		5.5	5.5	
1965			4.0	3.5	1.2	-1.7	-1.2	0.5	2.0	3.1	4.3	5.0	
1966	4.5	3.2	4.0	2.1	0.6*	-0.8	-1.2	0.4	1.8	4.5	4.2	4.9	2.5
1967	4.6	5.3	5.2	3.4	2.2	-0.2	-0.7	-0.3*	2.6	3.2	3.1	3.6	2.7
1968	4.6	4.7	4.3	2.2	1.1	-0.2	-1.2	0.1	1.4	3.6	4.5	4.2	2.4
1969	4.6	5.4	4.3	3.4	0.9	-0.4	-0.9	-1.2	2.2	3.5	4.9	5.4	2.7
1970	5.0	4.5	4.0	3.4	0.9	0.1	0.4	0.0	2.0	3.5	4.0	4.7	2.7
MEDIA	4.9	4.9	4.8	3.9	2.5	0.3	0.2	1.0	2.6	5.9	4.4	4.9	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1957	3.0	5.0	4.9	4.5	3.2	-6.0	-10.2	-3.2	-3.0	3.0	2.5	0.0	-6.0
	29	3	17	17	18	27	9	18	5-14-18	8-10-22	20-30	9	27/6/57
1958	3.0	3.0	3.0	3.0	4.0	-5.0		1.0	-0.4	2.0	3.0	4.0	-5.0
	2	8-9-11 13-24	4	21-30	1-6-23	29		10-18	25	3	2-15-16	8-12-22	29/6/58

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1959	3.0 1-2		3.0 9	1.2 17	1.0 30	-1.5 8	-3.0 7-26-29	-5.0 11	1.0 21	2.0 20	3.0 11	4.0 1-17 13-20	-5.0 11/8/59
1960	2.0 16-21	3.5 9-11	2.5 20-29	2.0 28	-3.6 19	-3.5 17	-4.0 24	-4.0 15-20	-2.5 19-20	0.5 17		2.0 23-31	-4.0 24/7/60 13-20/ 8/60
1961	0.0 21	3.0 5-14-21 23-26	1.5 30	1.5 9	2.0 6-27		-3.5 16		1.5 11	2.0 6		3.5 11-12 26	
1962	3.5 31	3.0 9	2.5 19	1.5 14	1.0 0-11 24-30		0.5 13-29	-1.2 14	1.5 3	1.5 2-3	5.0 5-14-17 21-22	2.5 1-21	-1.2 14/3/62
1963	4.0 30-31	3.0 1	4.0 14-30	2.0 19	1.5 27-30			1.0 4-6 13-24	1.5 1-2-3		4.5 6-9 10-25	3.5 31	
1965			2.0 23-28	2.0 7-15	-3.5 14	-1.5 12	-5.5 19	-5.0 20-21	-4.0 10	-2.0 5	1.0 12-13	2.0 22	
1966	2.5 5-6-19	2.0 11	2.0 6	-1.0 7-9		-0.0 30	-3.0 22	-1.0 31	-3.5 1	2.0 20-30	0.5 14	2.0 26	-5.0 30/4/66
1967	1.0 20	3.5 1-25-26	3.0 16	-1.0 28	0.0 4-31	-4.0 11	-4.5 20		1.0 2	0.0 23	-1.0 22	1.5 6	-1.5 29/7/67
1968	0.5 25	1.0 1	2.0 2	-3.0 28	-3.5 9	-3.5 4	-4.0 7	-3.5 4	-2.5 20	-1.5 17	1.0 10	1.0 24-27	-6.0 7/7/68
1969	2.0 2	2.5 7	1.0 31	-1.5 27	-3.5 2	-4.0 5-20	-5.5 6	-4.5 4-12	0.0 1	1.0 22	2.5 24	3.0 12-13	-5.5 8/7/69
1970	2.0 25	1.5 21-22	1.0 19-20	0.5 20	-5.0 20	-4.0 23	-4.5 13	-5.0 10	-1.0 2	-1.5 5	0.0 5-6	2.0 25	-6.5 13/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
0.5 25/1/66	1.0 1/2/66	1.0 31/3/69 13-20/ 3/70	-3.0 20/4/68	-5.0 20/5/70	-4.0 30/6/66	-10.2 9/7/57	-5.0 11/3/59 10/3/70	-1.0 10/2/65	-2.0 3/10/65	-1.0 22/11/67	0.0 9/12/57

NOTA: * Información obtenida por extrapolación.

ESTACION "LAGO TITICACA" (PUNO (3))

Latitud: 15°50'
Departamento: Puno

Longitud: 70°00'
Provincia: Puno

Altitud: 3,825 m.s.n.m.
Distritos: Puno

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1968				2.3	-0.4	-0.7	-1.0	-1.6	2.7	3.9	4.7	5.2	
1969	5.1	6.1	6.2	4.8	2.0	0.7	0.0	1.5	5.6	8.9	8.1	4.0	4.6
1970	5.0	5.4	3.5	3.4	1.0	-0.6	-2.3	-1.0	-0.4	-0.5	0.5	1.0	1.2
MEDIA	5.0	4.0	4.8	3.7	1.4	-0.2	-1.4	-0.4	2.6	4.1	4.4	3.9	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO OTA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1968				-1.3	-0.8	-2.3	-3.5	-5.4	-2.0	-1.8	1.4	1.2	
				29	9	22-29	7	15	3	2	5	26	
1969	2.4	2.8	3.2	0.4	0.0	-2.2	-3.0	-2.6	3.0	6.0	3.3	1.3	-3.2
	2	2	31	29	2-3-21	20	20	3-4	12	3	24	14	23/6/69
1970	3.7	1.0	-0.2	0.0	-3.4	-4.4	-11.1	-5.4	-3.4	-5.0	-1.0	-0.4	-5.0
	31	20-21-22	3	29	22	28	14	30-31	20	5	6	12-14	5/10/70

TEMPERATURAS MEDIAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
2.4	1.0	-0.2	-1.3	-0.8	-2.3	-11.1	-5.4	-3.4	-5.0	-1.0	-0.4
2/1/69	20-21-22 2/70	3/3/70	29/4/68	3/5/68	22-29 6/68	14/7/70	15/8/68	20/9/70	5/10/70	6/11/70	12-14 12/70

ESTACION "LAGUNILLAS O HDA. PINAYA"

Latitud: 15°34'

Longitud: 70°55'

Altitud: 4,200 m.s.n.m.

Departamento: Puno

Provincia: Lampa

Distrito: Sta. Lucía

TEMPERATURA MINIMA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEPT.	OCT.	NOV.	DIC.	PROM. ANUAL
1962	0.5	-0.2	-0.2	-0.6	-0.9		-14.2	-15.6	-5.3	-10.2	-9.2	-0.7	-5.8
1963	0.6	0.5	0.7	0.0	-0.7	-0.5		-11.7	-5.0	-6.4	-4.3	-0.4	-3.6
1964	-0.1	0.0	-0.1	-0.5	-0.3	-11.4		-10.9	-10.1	-11.4	-7.0	-2.6	-6.1
1965	-0.0	-0.0	-0.0	-0.1	-0.0	-14.4	-13.4		-10.6	-11.3	-7.2	-0.5	-6.6
1966	-0.1	-0.3	-1.3	-0.1	-0.7		-14.5	-12.9	-0.8	-5.5	-2.7	-1.5	-5.5
1967	-1.4	1.1	1.3	-0.7	-0.6	-0.7	-0.6	-0.2	-5.1	-5.3	-5.1	-5.2	-5.1
1968	0.6	0.4	1.4	-0.9	-0.1	-10.4		-11.6	-0.0	-0.6	-0.7	-1.7	-0.5
1969	0.9	0.4	0.9	-0.7		-11.7	-12.9	-13.2					
MEGIA	-0.7	0.5	0.2	-0.1	-0.0	-11.2	-12.9	-12.2	-7.9	-7.9	-5.3	-1.5	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEPT.	OCT.	NOV.	DIC.	PROM. ANUAL
1962	-1.1 23	-3.9 10	-4.6 15	-7.3 30	-15.4 15		-19.0 8	-22.2 15	-6.6 29	-15.7 16	-10.2 4	-4.0 7	-12.2 15/9/62
1963	-1.1 8	-1.5 15	-3.3 29	-4.3 11	-0.1 24	-14.6 19		-10.2 10	-12.7 30	-12.4 1	-12.0 16	-4.2 10	-10.2 12/9/63
1964	-7.5 20	-5.3 29	-4.8 2	-7.5 30	-10.3 6	-15.7 4		-17.4 7	-19.6 23	-17.3 20	-14.3 8	-9.2 5	-13.6 28/9/64
1965	-6.6 8	-6.4 2	-5.7 10	-0.1 8	-13.2 15	-13.0 12-16	-17.5 4		-10.0 19	-10.4 29	-14.2 1	-5.0 11	-10.0 12-16 6/65

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEPT.	OCT.	NOV.	DIC.	MINIMA ANUAL
1966	-6.3 10	-5.0 11	-5.4 30	-6.9 28			-10.8 25	-16.1 25	-15.6 1	-9.5 1	-12.0 13	-3.2 5	-18.6 23/7/66
1967	-8.5 17	0.2 27	-2.4 31	-2.0 28		-12.5 30	-14.2 19	-14.2 29	-11.0 1	-10.6 23	-13.2 17	-6.2 7	-14.2 19/7/67 23/8/67
1968	-5.4 25	-5.3 4-22	-5.0 30	-2.8 31	-2.6 23-21	-14.0 22		-16.0 13	-14.6 30	-15.0 15	-7.8 20	-3.2 27	-10.0 13/8/68
1969	-2.0 20	-5.0 25				-16.6 20	-19.6 12	-19.2 2-12					

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SEPT.	OCT.	NOV.	DIC.
-4.5 17/3/67	-6.4 2/2/65	-5.7 10/3/65	-2.8 20/4/67 31/4/68	-15.4 15/5/62	-18.0 12-16/ 5/65	-19.6 12/7/69	-22.2 1/8/62	-19.6 28/9/64	-17.3 20/10/64	-16.2 4/11/62	-3.2 5/12/64

NOTAS: * Información obtenida por extrapolación.

ESTACION "LAMPAR"

Latitud: 15°22'

Longitud: 70°22'

Altitud: 5,892 m.s.n.m.

Departamento: Puno

Provincia: Lampa

Distrito: Lampa

TEMPERATURA MEDIA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1963									-0.6	1.6	1.2		
1964	2.0	3.3	4.0	1.0	-2.4	-7.5	-3.6	-4.6	-3.9	-1.7	-0.4	1.5	-1.3
1965	2.5	3.2	2.0	0.2	-4.0	-3.1	-7.5	-6.8	-2.3	-2.6	0.2	3.2	-1.6
1966	2.4	2.8	1.2	-2.4	-2.9	-7.4	-4.1	-5.9	-2.3	1.7	1.3	3.1	-1.4
1967	2.3	3.2	3.2	-1.4	-2.9	-6.6	-6.2	-4.7	0.0	0.4	-0.4	1.7	-1.0
1968	3.0	3.7	2.7	-0.4	-3.2	-6.5	-7.3	-5.2	-3.1	0.5	2.6	1.0	-1.0
1969	3.5	3.3	2.4	0.5	-4.3	-6.8	-7.5	-3.1	-3.0	-0.3	1.1	2.2	-1.4
1970	3.9	3.2	2.7	1.3	-2.9	-4.8	-6.0	-5.5	-2.8	-1.3	-0.1	3.4	-0.7
MEDIA	2.9	3.3	2.7	-0.2	-3.2	-6.8	-7.4	-5.8	-2.2	-0.3	0.7	2.4	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1963									-6.2	-3.4	-3.0	1.6	
									3	1	11	25	
1964	-4.0	1.0	0.4	-3.2	-2.0	-11.4	-12.4	-5.8	-10.4	-10.6	-6.0	-3.2	-12.4
	20	11	2	30	4	6	9	7-0	7	7	8	5	9/7/64
1965	-1.8	-0.2	-1.0	-3.8	-7.8	-11.6	-14.0	-12.8	-11.2	-6.6	-4.6	-1.6	-14.0
	8	27	9	9	27	12	30	14	22	10	12	23	30/7/65
1966	-4.0	-1.2	-5.0	-7.6	-8.4	-11.1	-13.6	-10.2	-3.9	-4.9	-5.5	-1.6	-13.6
	7	11	7	15	25	17	23	1	3	30	15	4	23/7/66
1967	-3.2	-1.8	-3.8	-7.6	-6.4	-11.2	-10.8	-10.0	-6.2	-5.6	-4.0	-6.0	-11.2
	17	24	31	25	9	12	21	29	12	23	5-22	9	12/6/67

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO CJA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1968	-4.1	-2.0	0.0	-5.1	-3.2	-10.2	-0.6	-10.6	-2.2	-6.6	-2.2	-4.0	-10.6
	25	29	1-29	28	9	6	7	5	20	18	20	28	9/3/68
1969	1.5	-0.2	-2.3	-1.0	-3.4	-11.2	-12.8	-13.7	-8.2	-6.1	-3.8	-3.5	-13.9
	19	25	31	30	3	6	12	14	12	3	1	10	14/3/69
1970	0.8	-3.1	-0.6	-3.3	-10.4	-8.2	-11.5	-10.5	-7.4	-9.8	-6.6	-3.1	-11.5
	17	22	29	22	21	23	14	14	21	8	6	4	14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SIETE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-4.1	-2.0	-2.8	-1.0	-10.4	-11.6	-14.8	-13.9	-10.4	-10.6	-6.6	-4.0
25/1/68	29/2/68	7/3/68	30/4/69	21/5/70	12/6/65	30/7/65	14/8/69	7/9/64	7/10/64	6/11/70	9/12/67

ESTACION "LLALLI"

Latitud: 14°56'

Longitud: 70°53'

Altitud: 3,980 m.s.n.m.

Departamento: Puno

Provincia: Melgar

Distrito: Llalli

TEMPERATURA MINIMA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	2.6	3.4	2.9	0.8	-2.4	-6.5	-7.2	-4.2	-3.2	-1.6	-2.4	1.2	-1.2
1965	1.6	2.4	1.4	3.6	-3.1	-7.5	-6.7	-6.3	-2.9*	-0.7*	0.1*	2.5	-1.3
1966	2.6	3.4	1.9	-1.7	-3.4	-7.0	-8.0	-4.8	-2.8	1.3	1.7	2.5	-1.2
1967	2.8	2.3	2.9	-0.6	-2.4	-5.5	-5.2	-3.6	0.1	0.3	-1.4	1.3	-0.8
1968	2.3	3.0	1.9	-0.9	-1.2	-6.0	-7.0	-1.7	-2.3	0.6	1.9	1.4	-3.2
1969	2.6	2.2	2.0	2.4	-3.3	-7.1	-6.3	-1.7	-2.7	0.1	0.4	2.4	-1.3
1970	3.4	2.8	2.0	1.3	-3.0	-5.3	-6.9	-6.3	-2.3	-2.2	-1.2	2.3	-1.3
MEDIA	2.4	2.8	2.1	0.7	-3.1	-6.4	-6.8	-3.5	-2.4	-0.3	0.2	1.9	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMO ANUAL
1964	-2.6 25	0.4 9	-0.5 2	-2.4 6	-7.0 4	-11.0 19	-12.1 8	-11.1 9	-10.5 7	-9.8 5	-5.1 8	-3.3 5	-12.1 8/7/64
1965	0.1 16	0.2 6	-1.5 9	-2.9 1	-6.9 23	-11.4 25	-12.7 30	-11.4 20				-1.0 26	
1966	-0.2 16	0.0 11	-3.0 9	-5.9 11	-5.3 25	-14.1 30	-12.8 2	-8.3 14	-2.5 3	-1.5 30	-3.2 14	-2.0 4	-14.1 30/6/66
1967	-1.9 17	-3.1 6	-3.5 31	-5.1 25	-5.7 8	-8.5 3	-8.5 20	-3.4 15	-1.6 6	-6.1 12-23	-7.1 22	-2.1 21	-9.4 15/3/67
1968	-3.3 25	-3.8 22	-0.9 30	-7.0 28-30	-10.3 9	-10.1 24	-2.1 25	-10.1 5	-9.9 20	-5.1 18	-1.6 14	-2.3 24	-10.3 9/5/68

Continúa: Temperatura Mínima Absoluta Mensual y Anual

ANO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1969	-0.5 31	-1.2 6	-0.5 31	-1.7 19	-0.5 3	-11.1 6	-10.0 10	-14.9 15	-10.4 12	-6.8 4	-3.7 5	-2.9 10	-14.9 15/2/69
1970	0.1 27	-0.1 22	-2.0 20	-1.4 21	-10.3 24	-9.3 30	-12.6 15	-11.5 16	-7.9 25	-10.7 8	-6.1 9	-0.7 13	-12.6 15/1/70

TEMPERATURAS MEDIAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-3.3	-3.1	-3.0	-7.0	-10.3	-14.1	-12.8	-14.9	-11.5	-10.7	-7.1	-3.3
25/1/68	6/2/61	9/3/66	28-30/4/68	9/5/68	30/6/66	2/7/66	15/8/69	7/9/64	8/10/70	22/11/67	5/12/64

NOTA * Información obtenida por extrapolación.

ESTACION "WACUZANI"

Latitud: 14°05'

Longitud: 70°25'

Altitud: 4,450 m.s.n.m.

Departamento: Puno

Provincia: Carabaya

Distrito: Pacusani

TEMPERATURA MEDIA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	1.4	1.5	0.8	-0.7		-0.7	-2.0	-2.1	-2.0	-2.2	-2.7	-2.8	-2.0
1965	-2.9	1.0	-1.1	-1.5	-2.9	-7.5	-6.1	-7.5	-1.0	-1.7	-2.4	-1.7	-2.2
1966	1.3	3.0	0.7	-1.9	-2.5	-7.2	-7.2	-6.2	-1.6	0.7	0.5	0.8	-1.7
1967	1.3*	1.0	0.8	-1.8	-2.9	-7.9	-2.4	-2.8	-2.6	-2.4	-2.6	1.3	-2.4
1968	0.5	0.9	0.0	-2.4	-6.3	-10.0	-2.3	-2.3	-2.9	-2.6	0.0	1.5	-2.0
1969	1.3	1.9	1.3	-0.5	-1.5	-10.1	-7.9	-6.6	-2.8	-2.4	-1.2	0.9	-2.6
1970	1.2	1.8	-0.7	-0.1	-2.6	-2.0	-2.7	-6.6	-6.1	-2.7	-2.0	0.3	-2.1
MEDIA	0.9	1.6	0.2	-2.4	-4.3	-3.6	-2.6	-6.6	-4.1	-1.4	-1.2	0.3	

TEMPERATURA MÍNIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1964	-0.3 2	-0.2 16	-0.2 7	-1.4 16		-1.4 16	-12.7 13	-10.8 6	-13.4 15	-7.2 17	-6.8 9	-4.1 17	
1965	-4.2 13	-2.3 6	-4.4 23	-4.0 9-7	-2.0 28	-2.4 26	-13.0 4	-2.6 4	-10.0 29		-4.4 9	-2.0 6-4	-13.0 4/7/65
1966	-3.2 17	-2.0 20	-2.4 12	-2.2 29	-2.7 25-27	-12.2 30	-12.8 23	-2.0 26	-7.8 9	-2.4 1	-1.8 12	-2.8 30	-12.8 23/7/66
1967		-1.8 6	-2.0 25-30	-2.8 29	-7.4 20	-13.8 27	-13.8 30	-11.8 5	-6.0 7	-2.2 19	-2.0 4	-2.8 3	-13.2 27/6/67 30/7/67
1968	-2.8 23	-2.4 11	-2.2 30	-2.8 29	-2.6 26	-1.4 23-28	-2.2 7	-2.8 2	-11.0 21	-1.6 3	-2.4 7	-1.8 8	-28.2 7/7/68

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMEDIO ANUAL
1969	-4.6 2	-1.4 5	-2.2 31	-5.0 29	-5.3 28	-14.4 25-28 6/69	-11.2 5	-10.2 10	-5.6 11	-7.2 9	-2.2 5	-5.0 22	-14.4 23-24 6/69
1970	-4.6 17	-1.2 28	-2.6 2-15	-2.4 23	-11.0 28	-14.4 24	-13.6 20-27	-12.6 11	-10.6 21	-7.4 5-7	-5.6 8	-2.8 4	-14.4 24/6/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-4.6 2/1/69 11/1/70	-3.3 6/2/65	-2.4 12/3/66	-14.4 16/4/64	-11.0 20/5/70	-14.4 23-28/ 6/68 23-28/ 6/69 24/6/70	-22.2 7/7/68	-12.6 11/9/70	-13.4 15/9/64	-7.4 10/70	-2.2 5/11/69	-5.0 6-8/ 12/65

NOTA: • Información obtenida por extrapolación.



ESTACION "MIRAFLORES"

Latitud: 16°45'

Longitud: 69°42'

Altitud: 1,090 m.s.n.m.

Departamental Puno

Provincial Chucuito

Distritos: Santa Rosa

TEMPERATURA RINDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	1.4	1.2	-1.2	-0.9	-13.9	-17.0	-17.1	-12.6	-11.2	-10.4	-7.3	-1.6	-0.4
1965	0.0	-0.7	-0.6	-0.2	-11.9	-17.0	-13.7	-14.3	-6.6	-10.2	-6.7	-0.5	-7.6
1966	-1.3	0.3	-0.4	-0.2	-9.0	-11.7	-13.0	-13.5	-11.4	-1.5	-1.6	-0.9	-6.8
1967	-1.7	1.4	1.4	-1.7	-0.6	-12.3	-13.6	-11.1	-5.4	-0.1	-3.8	-3.4	-6.5
1968	0.5	2.2	0.3	-1.0	-7.7	-11.2	-15.4	-14.5	-12.7	-7.2	0.2	-1.6	-6.3
1969	1.9	0.0	-0.9	-0.8	-12.7	-13.6	-15.7	-15.0	-11.2	-10.0	-1.6	-3.0	-7.6
1970	0.7	-0.5	-1.2	-2.9	-11.4	-12.9	-17.0	-13.4	-2.8	-1.3	-0.1	3.4	-5.2
MEDIA	0.2	0.6	-1.2	-0.3	-10.9	-14.1	-15.8	-13.9	-6.3	-7.0	-4.3	-4.1	

TEMPERATURA RINDIA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1964	-12.0	-6.4	-10.2	-15.8	-23.0	-25.6	-21.0	-22.6	-25.6	-18.1	-16.2	-4.3	-25.6
	2	1	31	30	6	10	2	8	7	18	24	1	10/6/64
1965	-4.2	-7.0	-7.1	-11.0	-15.0	-21.8	-22.2	-24.0	-15.3	-17.0	-13.6	-4.0	-24.0
	7	26	29	8	15	25	30	20	11	28	25	25	28/1/65
1966	-4.2	-4.0	-0.4	-11.3	-16.9	-25.2	-21.3	-19.9	-13.1	-11.0	-14.3	-0.7	-25.2
	30	5	26	18	31	30	1	6	27	1	15	4	3/1/66
1967	-3.0	-1.0	-5.2	-13.6	-13.2	-18.3	-20.2	-21.4	-11.6	-16.6	-12.0	-0.8	-21.4
	21	1-3-24	25	28	5	12	19	29	1-12	30	6-18	3-4	25/1/67
1968	-7.0	0.0	-3.0	-13.6	-14.7	-16.6	-20.3	-21.8	-20.7	-17.6	-4.2	-10.2	-21.8
	25	29	2	27-29	9	7-20	17	14	22	18	20	27	14/1/68

Continúa: Temperaturas Mínimas Absolutas Mensual y Anual

AÑO OTA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1969	-2.5	-4.0	-7.6	-17.5	-17.7	-19.8	-25.0	-25.8	-16.0	-19.0	-10.4	-12.5	-25.8
	1	10	15-16	29	21	10	12	15	10	6	10	9	15/3/69
1970	-2.2	-4.8	-7.6	-7.6	-18.0	-22.0	-23.2	-25.6	-7.4	-7.8	-6.6	-1.5	-25.6
	2	21	1	22	8	28	12	14	21	8	6	12	14/3/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-12.8	-7.0	-10.2	-17.5	-25.0	-25.2	-25.3	-24.0	-20.7	-19.0	-18.0	-12.5
2/1/64	26/2/65	31/3/64	23/4/69	6/5/64	30/6/66	1/7/66	21/8/65	22/9/68	6/10/69	6-10/ 11/67	9/12/69

ESTACION "HONO-QUIBAYA"

Latitud: 15°21'

Longitud: 69°30'

Altitud: 3,890 m.s.n.m.

Departamento: Puno

Provincia: Huancab

Distrito: Hono

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1957	5.4		5.4	4.9	3.6	2.5	0.9	1.9	3.6	4.8	5.5	5.9	4.0
1958	7.3	6.1	5.7	3.8	2.6	-0.6	0.0	1.7	2.7	4.7	4.2	5.3	3.6
1959	5.3	5.3	5.4	6.4	1.9	1.5	0.8	0.6	2.2	4.3	4.3	5.6	3.5
1960	6.4	5.8	4.0		1.5	1.4	1.4	0.2			4.8	4.7	
1961	5.5	5.5	4.6	3.2	3.0	0.1	-1.1	-0.3	3.3	4.7*	5.0	5.6	3.2
1962	5.7	5.6	5.0	3.4	2.3	-1.5	0.1	-0.9	3.9	3.8*	3.6	5.2	3.0
1963	5.0	5.5	5.5	3.9	1.9	-0.7	-0.9	1.4	2.3	2.9*	3.4	4.2	2.8
1964	4.9*	5.4*	5.2*	3.0*	1.1*	-1.0*	-0.7*	0.9*	2.7*	3.7*	4.3*	5.9*	3.0
1965	4.6	5.3	4.1	3.6	1.2	-1.4	0.0	0.4	2.9	3.8	5.2*	5.6	2.9
1966	5.3	5.8	4.4	3.1	1.3*	-0.3	-0.9	0.9	1.9	4.6	4.8	5.6	3.0
1967	5.1	5.3	5.2	3.1	2.6	0.0	0.2	1.2	2.9	3.0*	3.1	4.6	3.0
1968	4.8	5.5	4.3	3.2	1.3	-0.4	-1.6	1.1	1.9	3.8*	4.6	5.0	2.8
1969	5.3	6.1	5.5	4.2	1.7	0.3	-0.7	0.3	2.3	3.9	5.3	5.8	3.3
1970	6.0	5.7	5.2	3.8	1.8	0.4	-0.7	0.4	2.1	2.9	3.9	5.4	3.1
MEDIA	5.5	5.6	5.0	3.7	2.0	0.0	-0.2	0.7	2.7	3.9	4.4	5.3	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1957	2.0		-0.0	-7.0	-0.0	-3.0	-2.0	-3.0	0.0	1.5	2.6	2.6	-2.0
	1-5		14-15	4-19	8	11-20	17-18	26	9	6	30	1	14-15
			17	25			20-25						17/3/57
							29						

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	TEMPERATURA ANUAL
1958	5.0 30	2.0 20	1.4 25	1.3 8	0.0 31	-1.5 22	-1.0 24	-0.4 5	-3.4 25	2.0 11	0.6 3	3.3 1	-1.5 22/6/58
1959	4.0 15-24 25-26	3.0 14	3.0 27	1.5 25	0.2 25-26	-1.0 17	-3.0 7-12 13-31	-5.0 13	-1.5 15-16	0.5 24	1.5 6	3.5 2	-5.0 10/3/59
1960	4.0 2	4.0 9-10-12 16-27	1.5 16-17		-2.0 26	-3.5 11	0.0 9-15-16 24	-1.0 26			2.6 17	0.2 19	
1961	3.4 17	3.0 10-19	1.5 21-22	0.2 28	-1.3 31	-3.0 25	-3.5 17	-5.5 4-5	1.2 30		2.5 22	3.5 15	-5.5 4-5/6/61
1962	2.0 1	3.2 13	1.8 23	0.0 11	-1.4 15	-1.8 18	-1.7 8	-3.6 23-26	1.5 3		0.2 1	2.2 28	-1.0 18/6/62
1963	1.8 16	2.0 3	3.0 21	1.5 28	-1.8 21	-3.2 20	-3.0 11-12-13	-1.8 7	-1.0 27		1.2 27	1.0 13	-3.2 24/6/63
1965	1.3 20	1.7 17	-0.2 28	0.5 11	-3.5 23	-3.3 19	-3.0 29	-2.3 21	-1.0 26	2.0 19-30-31		3.0 16	-3.0 17/6/65
1966	2.3 3	4.0 14-21-22	-0.3 9	-1.5 27		-1.6 30	-3.7 9	-1.0 14	-1.2 3	2.2 19	2.3 15	3.5 13	-1.6 30/6/66
1967	2.8 8	3.0 7-24	2.6 25	-0.0 29	-0.2 8	-2.5 12	-2.7 20-29	-1.0 29	0.6 24		0.5 29	1.0 6	-2.7 29-29 6/67
1968	0.3 23	2.5 29	-1.0 9	-0.3 20	-1.6 3	-2.9 22-24	-6.0 7	-1.8 9	-1.0 20		1.8 29	2.5 24	-6.0 7/7/68
1969	1.9 8	1.5 22	3.0 22-23	0.0 30	-1.3 2	-3.0 30	-3.0 12	-1.5 9	-1.8 12	0.0 3	3.5 1	4.0 27	-1.5 9/8/69
1970	2.8 19	3.2 20	1.8 21	0.1 22-23	-1.3 25	-1.2 25-29	-1.0 22	-1.0 14	0.0 4	0.2 8	0.5 6	2.0 19	-1.0 22/7/70 14/8/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-0.5 23/1/68	1.5 22/2/69	-3.0 14-15 17/3/57	-7.0 4-19 25/4/57	-3.0 8/5/57	-1.0 10/6/62	-1.0 7/7/68	-0.9 26/8/60	-1.8 12/9/69	0. 3/10/69	0.2 1/11/62	0.2 19/12/60

NOTAS: * Información obtenida por extrapolación.

ESTACION HUANI

Latitud: 14°46'

Longitud: 69°50'

Altitud: 3,948 m.s.n.m.

Departamento: Puno

Provincia: Azángaro

Distrito: Huani

TEMPERATURA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PEDIA ANUAL
1965	2.2	2.9	3.5	3.2	2.6	3.1			4.2	3.7	3.0	1.4	
1966	-0.7	2.0	2.1	1.9	-1.5	-3.0	-3.5	-2.7	-1.8	2.3	2.2	2.9	-0.5
1967	2.1	2.2	2.9	-0.2	-1.5	-3.7	-4.1	-1.8	0.8	1.4	1.3	2.9	0.2
1968	2.5	3.8	1.4	-0.2	-2.2	-3.9	-4.3	-2.4	-2.6	-1.8	-1.5	-2.3	-1.1
1969	-0.6	-0.4	-1.7	3.4	-6.2	-0.3	-7.1	-6.9	-1.6	-3.1	-2.4	-0.3	-2.9
1970	0.7	0.6	0.1	-0.1	-5.8	-6.3	-3.4	-7.9					
PEDIA	1.0	1.8	1.4	1.3	-2.3	-4.0	-6.1	-4.3	-0.2	0.5	0.5	0.9	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1965	0.2 22	0.2 5	1.2 27	1.0 9	1.8 12-13	1.2 2			1.8 22	0.6 7	0.4 16	0.2 7-8-9-13 17-26	
1966	-4.6 14	0.0 5-28	0.0 11-12-15	0.0 28	-5.0 31	-11.6 30	-9.8 4	-5.4 5-21	-5.2 4	-1.8 28	-0.6 1	-2.4 13	-11.6 30/6/66
1967	-1.4 13	-3.6 6	-3.6 28	-5.0 29	-4.2 10	-7.2 5-12	-8.2 29	-4.6 1	-1.8 7	-1.4 12	-0.8 11	0.8 4	-8.2 29/7/67
1968	-2.0 25	0.4 26-27	-2.0 23	-4.6 19-28	-6.8 31	-9.0 30	-15.4 7	-4.0 20	-3.4 20	-7.2 18	-5.2 20	-5.6 11	-13.4 7/7/68
1969	-4.2 30	-4.0 26	-4.2 11	1.2 2	-12.4 2	-12.2 5	-12.0 12	-15.4 8	-7.4 28	-6.6 27	-7.0 4	-4.6 1	-13.4 8/8/69
1970	-5.0 17	-2.2 9	-2.4 20	-5.8 23	-12.4 21	-3.0 8	-15.4 24	-12.4 12					

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-6.6	-4.0	-4.2	-5.8	-12.4	-12.2	-15.4	-15.4	-5.4	-7.2	-7.0	-5.6
14/1/66	26/2/69	11/3/69	23 ¹⁴ /70	2/5/69 21/5/70	5/6/69	24/7/70	3/8/69	20/9/68	18/10/68	4/11/69	11/12/68

ESTACION "MULLACHAY"

Latitud: 13°43'

Longitud: 70°29'

Altitud: 2,850 m.s.n.m.

Departamento: Puno

Provincia: Corabayo

Distrito: Ollechea

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1963				8.7	6.7	6.5	5.9	6.2	8.7	9.4	9.8	9.6	
1964	10.0	10.6	10.0	8.1	5.4	5.0*	4.9*	6.4	3.6	6.4	8.6	9.3	7.4
1965	9.4	10.2	8.9	8.8	7.3	5.9	6.1	6.3	8.2	9.4	9.4	9.9	8.3
1966	9.7	10.3	9.2	8.5	7.7	6.2	5.4	5.6	7.3	8.7	9.4	9.3	8.1
1967	9.6	9.7	9.6	8.2	7.5	5.5	5.5	6.2	7.7	8.3	8.6	9.5	8.0
1968	8.9	9.7	9.0	7.8	5.2	4.3	4.0	6.3	6.5	8.9	9.2	9.3	7.4
1969	9.6	9.1	9.4	8.8	7.2	5.9	5.3	5.1	6.2	7.1	8.8	9.8	7.7
1970	10.3	9.8	9.2	9.1	8.6	6.7	5.7	4.9	7.9	7.9	7.6	8.7	8.0
MEDIA	9.6	9.9	9.3	8.5	7.0	5.8	5.4	5.9	7.0	8.3	8.9	9.4	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1963				7.1 22	4.3 29	3.8 4	2.4 4	1.4 30	6.5 14	7.7 5	7.9 12	7.0 5	
1964	7.0 13	9.2 24	3.1 31	7.1 4-12 15-16-30	3.0 10			2.0 31	1.4 3	3.8 9-11	6.0 20	7.0 17	
1965	7.4 12	8.4 5	6.4 13	6.6 30	4.4 28	3.8 5	4.8 1-2	5.0 1-23 24-25	6.0 11	7.4 31	6.0 1-2	7.0 7	3.8 5/4/65
1966	6.6 12	9.2 10	4.6 10	6.0 11-26	4.4 31	4.8 9	3.0 12	3.4 9	3.2 24	5.6 2	6.8 11	7.0 8-30	3.0 12/7/66

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1967	7.4 0-20	7.0 2	7.4 25	5.0 29	5.0 12	2.4 16-28-29	2.8 31	3.0 6	4.2 7	5.4 14	6.4 18	6.7 20	2.4 16-28-29 6/67
1968	7.6 1-15-16 17-23	6.8 24	6.4 1-20	5.2 19	3.2 29	2.2 29	1.8 7	3.4 31	3.0 1	6.2 2	5.6 1	7.8 11	1.8 7/7/68
1969	7.8 22-29	7.8 15-23	8.0 25-28	6.4 18	5.0 3	3.8 21	2.0 16	2.0 2	5.0 3	3.0 2	3.2 5	8.4 8	2.0 16/7/69
1970	8.2 26	7.8 8	7.0 24	4.6 12	4.0 28	4.8 4	3.8 13	1.8 11	6.8 11-16	4.0 5	3.8 7	7.2 8-13-28	1.8 11/8/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
6.6 12/1/66	6.8 24/2/68	3.1 31/3/64	4.6 12/4/70	3.0 10/5/64	2.2 29/6/68	1.8 7/7/68	1.4 30/8/63	1.4 3/9/64	3.0 9-11 13/64 2/10/69	3.2 5/11/69	6.7 28/12/67

NOTA: * Información obtenida por extrapolación.

ESTACION "PAMPANUTA - AZO VLGE"

Latitud: 15°29'
Departamento: Puno

Longitud: 75°41'
Provincia: Lampa

Altitud: 4,400 m.s.n.m.
Distrito: Paratía

TEMPERATURA MEDIA MEDIA

AGD	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1962	0.4	0.4	-0.5	-1.9	-6.3	-10.0	-11.2	-12.9	-5.3	-6.7	-5.4	-3.0	-5.1
1963	0.4	0.4	0.3	-0.9	-5.5	-8.8	-10.5	-9.7	-5.9	-3.0	-3.2	-0.7	-3.8
1964	-1.4	0.5	-2.2	-1.8	-5.5	-10.0	-12.9	-9.5	-6.8	-3.2	-5.3	-2.5	-5.5
1965	-1.4	0.3	-2.9	-2.6	-6.3	-11.6	-11.6	-11.4	-7.3	-6.6	-4.0	-2.0	-5.4
1966	-0.8	0.0	-1.1	-2.6	-6.2	-9.4	-11.6	-10.5	-6.9	-6.4	-2.6	-1.2	-5.3
1967	-1.7	0.4	0.0	-2.4	-6.0	-8.7	-10.1	-9.0	-5.7	-4.7	-6.6	-2.6	-4.8
1968	-2.8	-0.5	-1.5	-4.9	-7.5	-10.7	-11.7	-11.4	-9.5	-6.0	-2.5	-2.0	-5.0
1969	-0.8	-0.5	-1.6	-3.3	-6.1	-11.0	-10.9	-12.0	-8.2	-6.4	-4.5	-2.5	-5.7
1970	-2.3	-0.6	-1.0	-2.7	-5.7	-9.0	-11.0	-11.1	-7.8	-6.2	-6.1	-1.7	-5.3
MEDIA	-0.7	0.0	-0.7	-3.0	-5.9	-10.2	-11.3	-10.9	-7.3	-6.6	-4.5	-1.9	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AGD DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1962	-5.0 23-24	-3.3 10-11	-4.0 19	-6.0 30	-12.5 15	-16.0 14	-17.5 20	-19.0 15	-6.0 3	-11.0 4	-10.2 20	-3.2 18-19	-10.0 15/2/62
1963	-1.5 30	1.0 1-4	-2.5 24	-5.5 19	-6.6 26	-13.0 16	-14.0 8	-16.0 11	-10.4 3	-6.5 1-2	-7.4 10	-3.0 4-20-27	-16.0 11/3/63
1964	-5.0 27	-2.4 26	-3.5 2	-6.5 30	-10.5 4	-12.0 27	-16.0 29	-15.5 15	-16.5 27	-14.5 20	-11.5 8	-6.4 5	-16.5 27/9/64
1965	-5.0 14	-3.5 27	-6.0 27	-5.0 12	-10.0 27	-15.0 15	-17.0 30	-16.0 19	-14.2 10	-11.5 18	-8.3 1		-17.0 30/7/65

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMEDIO ANUAL
1966	-3.5 9	-3.0 11	-3.8 9	-2.5 15-16	-10.0 31	-16.5 30	-14.3 22	-13.5 7-14-25	-14.6 1		-9.0 13	-5.4 4	-16.5 30/6/66
1967	-6.4 18	-2.2 6-24	-2.8 31	-10.2 28	-6.7 13	-13.0 12	-13.7 21	-15.0 29	-12.0 1	-9.4 23	-10.2 5	-6.6 4	-15.0 29/8/67
1968	-6.2 25	-4.0 22	-4.8 21	-10.0 19	-11.6 8	-14.0 6	-17.8 7	-15.0 9-11	-19.0 2		-7.5 20-21	-7.5 26	-17.8 7/7/68
1969	-3.2 18	-3.5 8	-4.5 31			-16.9 20	-15.5 12	-17.6 12	-12.7 12	-12.8 3	-10.0 2	-9.2 14	-17.6 12/8/69
1970	-3.1 7	-4.0 20-22	-4.6 22	-3.6 21	-10.0 28	-13.2 28	-15.5 14	-17.1 14	-11.6 3	-14.5 8	-11.5 6	-6.5 4	-17.1 14/8/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-6.4 18/1/67	-4.0 22/2/68 20-22 2/70	-5.0 27/3/65	-10.2 28/4/67	-12.5 15/5/62	-16.9 20/6/69	-17.8 7/7/68	-18.0 15/8/62	-16.5 27/9/64	-14.5 20/10/64 8/10/70	-11.5 8/11/64 6/11/70	-9.2 14/12/69

NOTA: * Información obtenida por extrapolación.

ESTACION "PILACOMI"

Latitud: 16°54'

Longitud: 69°22'

Altitud: 3,287 m.s.n.m.

Departamento: Puno

Provincia: Chucuito

Distritos: Pizacomani

TEMPERATURA MINIMA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964		3.7	2.3	1.6	1.2	-6.4	-7.4				2.6	2.2	
1965	2.8	1.6	2.3	1.0	-2.2	-7.9		-5.5	2.9	-2.6	-4.2	-3.4	-1.4
1966					-4.7	-5.5	-8.8	-6.4	-4.2	-0.5	0.6	2.5	
1967	1.5	2.7	2.6	-0.9	-2.4	-5.3	-4.0	-4.3	-1.2	-0.9	-1.7	2.0	-1.0
1968	2.4	3.5	1.9	-1.6	-3.6	-5.0	-6.9	-6.5	-2.6	0.6	1.7	0.9	-1.3
1969	3.3	3.8	2.0	0.7	-4.7	-6.3	-5.5	-7.2	-2.1	-2.2	1.2	1.4	-1.3
1970	3.3	2.2	1.7	-0.3	-3.8	-5.7	-6.8	-6.0	-3.2	-0.6	0.8	3.2	-1.3
MEDIA	2.7	2.9	2.1	0.1	-2.9	-6.6	-6.6	-6.0	-1.7	-1.0	0.1	1.2	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1964		0.8 26	0.2 3	-1.4 22	-2.6 9	-12.0 11	-12.0 11				0.0 4-13	0.0 23	
1965	0.0 5	0.0 23-23	0.2 3	-1.0 14	-0.4 23	-11.4 24	-12.4 9	-10.4 14	-4.0 9	-7.4 17	-7.4 1-15 24-29	-7.4 1-15	-12.4 9/7/65
1966					-3.8 26	-16.6 30	-17.6 1	-11.2 6	-11.4 2	-7.2 29-30	-5.2 13	-2.2 3-25	
1967	-4.6 20	0.1 3	-0.2 31	-0.6 26	-7.2 6	-11.4 3	-12.4 1	-11.6 27	-3.0 12	-5.2 23	-7.4 5	-1.6 3	-12.4 1/7/67
1968	-0.6 1	0.2 29	-0.4 1-2-29	-10.2 20	-12.2 8	-12.8 6	-12.6 19	-11.8 4	-11.2 20	-0.2 18	-3.2 20	-0.6 27	-12.0 6/6/68

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	VARIAS ANUAL
1969	0.3 1	0.1 7	0.2 13-21	-3.6 28	-12.6 2	-12.2 14	-12.0 8	-13.6 12	-5.6 3	-10.4 3	-3.2 10	-5.4 10	-13.6 12/8/69
1970	1.4 7	-2.8 28	-4.4 23	-4.6 18	-10.2 21	-10.4 28	-14.2 15	-12.4 27	-8.2 20	-11.2 5	-6.4 9	-0.2 3	-14.2 15/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-4.6	-2.8	-4.4	-11.2	-12.6	-16.6	-17.6	-13.6	-11.4	-11.2	-7.4	-0.8
23/1/67	23/2/70	23/3/70	23/4/68	2/5/69	30/6/66	1/7/66	12/8/69	2/9/66	5/10/70	1-15-24 29/11/65 5/11/67	27/12/68

ESTACION "PROGRESO"

Latitud: 14°17'

Longitud: 70°22'

Altitud: 3,950 m.s.n.m.

Departamento: Puno

Provincia: Azuaga

Distrito: Asillo

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	5.0	5.0	4.3	3.6	1.4	-1.2	-2.5	0.6	1.3	2.4	2.4	3.8	2.1
1965	3.5	4.0	3.6	2.9	0.6	-2.0	-1.1	-0.3	2.3	3.1	4.5	5.0	2.2
1966	5.0	4.5	3.5	1.8	0.6	-2.0	-2.1	0.6	1.1	4.1	4.3	4.4	2.2
1967	4.3	3.6	4.5	2.4	1.6	-0.7	-0.6	0.5	2.8	2.9	3.5	3.7	2.4
1968	4.7	5.0	3.9	2.4	-0.5	-2.1	-2.4	6.8	1.5	3.5	4.2	4.3	2.6
1969	4.6	4.0	4.6	2.0	0.2	-2.1	-1.6	-2.3	1.7	3.3	4.4	4.5	2.0
1970	5.0	5.2	4.6	3.9	1.0	-0.6	-2.0	-0.6	1.6	2.3	3.4	4.2	2.3
MEDIA	4.6	4.6	4.1	2.8	0.7	-1.7	-1.8	0.7	1.7	3.1	3.8	4.3	

TEMPERATURA MINIMA ABSOLUTA MENSUAL Y ANUAL

AÑO DIA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964	2.4 10	2.0 22	1.0 25	-0.4 30	-2.0 13	-5.1 4	-5.6 8	-5.4 8	-2.0 27	-1.6 20	1.3 23	1.8 26	-1.1 4/6/64
1965	0.2 10	2.0 5	1.6 28	0.6 11	-3.0 24	-4.0 26	-6.8 29	-4.4 14	-1.4 10	0.8 -17	2.8 10	1.8 29	-4.8 26/6/65
1966	2.2 1	0.8 21	-0.4 9	-2.4 26	-3.2 25	-4.4 30	-5.6 23	-1.6 31	-1.8 3	1.8 28	1.2 3	3.8 12	-8.4 30/6/66
1967	1.0 8-12	0.8 6	2.6 9-28	0.0 10	-2.8 28	-2.8 22	-5.6 29	-2.4 15	0.6 5	-1.2 12	1.4 7	1.4 6-17	-5.8 29/7/67
1968	1.4 23-25	1.6 29	2.0 16	-1.4 19	-3.2 9-30	-4.8 24	-2.4 7-8	-2.8 5	-5.4 20	-0.2 18	2.0 4	2.0 27	-4.4 7/7/68 8/7/68

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1969	1.0 2	3.0 26	1.4 8	-2.0 30	-1.9 4	-6.0 18	-5.2 15	-6.4 6-15	-2.8 1	-0.8 3	0.8 24	2.4 4	-6.4 6/8/69 19/8/69
1970	2.6 6-19	3.1 8	2.0 16	-1.2 22	-3.2 28-29 31	-2.4 18	-5.4 14	-5.6 14	-0.8 15	-0.8 8	0.4 18	0.6 3	-5.4 14/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
0.2 10/1/65	0.8 21/2/66 6/2/67	-1.4 9/3/66	-2.8 30/4/69	-3.2 23/5/66 7-30 5/68 28-29 31/5/70	-2.4 30/6/66	-3.4 7-8/7/68	-6.4 6-15/ 8/69	-3.4 20/9/68	-1.6 20/10/64	0.3 23/11/64	0.6 3/12/70

ESTACION "PUNO"

Latitud: 15°50'

Longitud: 70°02'

Altitud: 3,875 m.s.n.m.

Departamento: Puno

Provincia: Puno

Distrito: Puno

TEMPERATURA MEDIA MEDIA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964		5.3		4.2	1.6	-1.3	-2.7	2.3	1.4	1.6	2.3*	3.9	
1965	4.4	4.3	4.3	3.7	1.5	-1.3	-0.8	0.0	2.4	3.4	4.5	3.2	2.7
1966	5.7	5.0	5.0	2.8	1.2	-0.7	-1.0	0.9	2.4	4.0	4.6	3.4	3.0
1967	5.3	5.7	5.1	3.2	1.9	-0.5	-0.6	0.7	2.8	3.6	3.6	3.7	2.9
1968	4.6	5.2	4.3	2.2	1.2	-0.6	-1.4	0.1	1.7	4.0	4.6	4.4	2.5
1969	4.8	5.6	5.2	3.8	1.1	-0.9	-1.6	-1.5	1.8	3.3	4.9	3.1	2.8
1970	5.4	4.9	3.9	3.6	0.9	0.0	-1.1	-0.1	1.8	3.1	3.8	4.6	2.6
MEDIA	5.0	5.3	4.6	3.4	1.3	-0.8	-1.4	0.3	2.0	3.4	4.0	4.6	

TEMPERATURA MEDIA ABSOLUTA FENESAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1964		3.0		-1.0	-2.6	-3.8	-4.8	-2.6	-2.8	-3.2		0.8	-4.3
		25		30	4	18	2	2	27	20		31	2/7/64
1965	1.0	2.6	1.6	1.2	-1.2	-4.6	-3.8	-2.4	-2.2	0.6	1.8	2.4	-4.6
	8	26	8	8	15	16	30	14	10	18	15	10	16/6/65
1966	4.0	3.6	3.2	0.2	-1.8	-7.0	-3.0	-1.6	-1.2	1.0	1.4	3.8	-7.0
	5-22	11-13	13-23	27	31	30	2	7	1-3	29	14	24-26	30/6/66
			25										
1967	2.0	3.4	2.6	-1.4	0.4	-3.0	-2.8	-2.8	0.4	1.3	0.2	1.3	-3.0
	20	1	7-8	28	3	14	17-21	29	9	12	5	17	14/6/67

Continúa: Temperaturas Mínimas Absolutas Mensual y Anual

Año DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MINIMA ANUAL
1968	0.0 25	2.2 1	1.0 7	-2.0 19	-2.2 9	-4.4 7	-4.0 7	-5.0 3	-2.4 3	0.0 16	1.2 20	0.6 26	-4.0 7/7/68
1969	2.0 2	3.7 8	4.0 28	-1.6 29	-1.7 2	-3.0 5-6	-3.0 12	-5.7 14	-1.3 19	-0.9 3	0.0 7	1.0 10	-5.0 12/7/69
1970	2.5 7	1.5 20	0.0 20	0.0 15-21	-4.2 21	-3.0 28	-5.0 14	-5.4 6	0.2 20-22	-1.2 5	-0.3 5	1.2 12	-5.6 14/7/70

TEMPERATURAS MEDIAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
0.0 25/1/68	1.5 29/2/70	0.7 20/3/70	-2.0 12/4/68	-4.2 21/5/70	-7.0 30/6/66	-3.0 12/7/69	-5.7 14/8/69	-2.0 21/9/64	-3.2 20/10/64	-0.3 9/11/70	0.6 26/12/68

NOTAS: * Información obtenida por extrapolación.

ESTACION "SERRACONA O LAS VILLAS"

Latitud: 15°44'

Longitud: 79°43'

Altitud: 4,200 m.s.n.m.

Departamento: Puno

Provincia: Lampa

Distrito: Sta. Lucía

TEMPERATURA MEDIA MENSUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MEDIA ANUAL
1962	1.5	1.5	1.0	0.0	-2.4	-7.0	-5.3	-6.1	-0.6	-2.8	-1.4	0.6	-1.0
1963	1.5	1.3	1.6	0.7	-0.7	-4.4	-5.0	-3.6	-2.2	-0.3	0.7	2.5	-0.6
1964	1.1	2.2	1.6	0.6	-2.2	-5.2	-6.9	-4.6	-5.8	-3.0	-1.7	-0.7	-1.9
1965	0.0	1.0	0.7	-0.1	-2.5	-5.8	-5.9	-5.4	-2.8	-2.7	-1.4	1.0	-2.0
1966	1.3	1.4	1.4	-1.5	-3.0	-5.1	-4.6	-4.9	-3.0	-0.3	-0.1	0.3	-1.5
1967	0.6	1.7	1.2	0.1	-1.6	-4.8	-5.4	-4.3	-1.6	-1.2	-2.4	-0.6	-1.5
1968	0.8	1.2	0.4	-1.8	-3.1	-5.0	-5.9	-5.2	-3.8	-2.0	-0.2	-0.2	-2.1
1969	0.6	1.4	1.4	0.4	-0.9	-5.7	-5.0	-5.9	-2.9	-1.8	-0.6	0.4	-1.6
1970	1.0	1.4	0.9	0.2	-2.0	-5.9	-5.7	-4.7	-2.7	-1.0	-1.8	0.6	-1.5
MEDIA	1.0	1.4	1.1	-1.2	-2.2	-5.2	-5.5	-5.0	-2.6	-1.8	-1.0	0.4	

TEMPERATURA MÍNIMA ABSOLUTA MENSUAL Y ANUAL

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1962	-1.0	-2.0	-1.2	-5.0	-7.0	-8.7	-8.9	-10.2	-3.0	-5.5	-6.3	-2.5	-10.2
	25-24	10	12	30	15	14	8	15	29	2	20	18	15/3/62
1963	-0.5	-1.2	-0.3	-2.2	-3.8	-7.8	-8.3	-6.3	-5.1	-3.3	-3.5	0.0	-8.3
	31	1-2-62	25	20	27	16	8	11	25	4	10	18-31	8/7/63
		25-27											11/8/63
1964	-2.0	-0.2	-0.9	-4.6	-6.6	-7.5	-6.2	-7.9	-3.0	-7.8	-4.4	-3.8	-7.2
	1	6	2	30	4	3	29	7	27	20	7-8	31	29/7/64

Continúa: Temperatura Mínima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMEDIO ANUAL
1965	-6.5 8	-4.3 27	-3.0 9	-2.8 8	-6.1 14	-3.0 17	-8.4 4	-8.3 20	-7.6 10	-6.8 19	-4.6 12	-2.6 10	-6.0 12/6/65
1966	-1.4 6	-1.5 11	-3.6 27	-3.0 29	-5.4 31	-11.5 30	-3.6 1	-7.4 7	-6.0 1	-1.5 30	-5.3 13	-5.0 2	-11.5 30/6/66
1967	-3.5 20	-2.4 4-25	-2.6 12-15	-4.9 28	-4.0 5	-7.4 12	-8.2 21	-3.1 29	-5.4 12	-4.2 23	-6.0 5	-4.3 15	-8.2 21/7/67
1968	-4.2 25	-1.4 22	-2.8 13	-6.5 28	-6.5 8	-8.6 6	-3.6 7	-7.7 13	-7.1 20	-5.7 16	-6.9 20	-4.6 26	-3.6 7/7/68
1969	-1.5 18-20	-1.0 8	-1.0 31			-3.7 20	-3.4 12	-3.7 12	-5.6 30	-5.7 4	-1.1 1	-4.6 10	-3.7 20/6/69 12/8/69
1970	-3.4 4	-1.0 20	-1.2 20	-1.9 15	-4.0 21	-6.5 28-29	-8.6 7	-8.1 14	-4.8 20	-6.5 5	-5.0 6-9	-2.0 12	-8.6 7/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-4.2 25/1/68	-2.0 10/2/62	-5.0 9/3/65	-6.5 20/4/68	-7.0 15/5/62	-11.5 30/6/66	-3.6 1/7/66 7/7/68	-10.2 15/8/62	-1.0 27/9/64 1/9/66	-7.8 20/10/64	-6.9 20/11/68	-4.6 26/12/68 10/12/69

NOTA: + Información obtenida por extrapolación.

ESTACION "TAMBOPATA"

Latitud: 14°13'

Longitud: 69°12'

Altitud: 1,280 m.s.n.m.

Departamento: Puno

Provincia: Sandoz

Distrito: San Juan de Oro

TEMPERATURA MEDIA MESA

AÑO	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROM. ANUAL
1966					14.4	15.0	15.0	15.6	14.5	15.0	16.6	16.0	
1967	16.3	16.2	15.7	15.1	15.0	14.0	13.5	13.6	13.0	14.0	15.0	16.2	15.0
1968	16.2	16.6	16.0	15.6	15.2	14.0	13.6	13.8	13.9	15.4	14.7	16.6	15.0
1969	15.7	16.7	16.0	15.2	15.9	15.7	12.0	13.2	14.0	15.4	16.3	16.5	15.0
1970	16.6	16.2	15.7	15.0	14.0	14.1	12.2	13.0	14.3	15.2	15.3	16.1	15.0
PROMIA	16.2	16.4	16.0	15.4	14.3	15.0	13.0	13.6	14.1	15.3	15.7	16.4	

TEMPERATURA MEDIA ABSOLUTA MENSUAL Y ANUAL

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	PROMIA ANUAL
1966					7.1	6.2	7.7	10.2	10.3	13.4	15.0	15.6	
					28	4	4	27	7	30	6	13	
1967	13.4	13.2	13.2	8.8	12.6	9.6	8.8	8.3	10.4	12.0	11.6	12.4	8.3
	1	8	1	29	3	20	26	8	24	19	29	26	8/9/67
1968	12.9	13.0	13.4	11.8	7.8	8.1	8.0	10.6	11.3	11.4	12.0	12.2	8.0
	25	29	8	30	3	19	30	6	18	2	1	2	30/1/68
1969	12.3	11.5	13.0	13.4	11.0	7.8	9.8	8.2	10.2	12.0	13.0	12.6	7.8
	29	25	2	22	29	21	11	10	3	11	19	3	21/6/69
1970	14.0	15.4	13.8	13.4	9.4	8.8	6.4	10.0	11.0	12.6	11.2	11.6	6.4
	24	24-25	9-21	16	26	4	15	12-13	11	5-6- 7-20	5	4	15/7/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
12.3 29/1/69	11.5 25/2/69	13.2 1/3/67	8.8 29/4/67	7.1 29/5/66	6.2 4/6/66	6.4 15/7/70	8.2 19/8/69	10.2 3/9/69	11.4 2/10/68	11.2 5/11/70	11.6 4/12/70

Continúa: Temperatura Máxima Absoluta Mensual y Anual

AÑO DÍA	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.	MÍNIMA ANUAL
1968	0.6 26	3.0 4	1.6 19	-1.5 19	-1.0 10	-5.0 6	-6.9 7	-5.5 13	-3.9 20	-1.0 16	2.0 3	0.6 27	-6.9 7/7/68
1969	1.4 27	2.6 22	2.0 15-8	-2.4 29	-3.8 22	-6.8 8	-1.4 12	-2.0 14	0.0 20	-2.4 7	2.0 2	1.1 10	-6.0 14/8/69
1970	3.4 25	-2.0 20	-0.2 19	0.6 22	-7.0 21	-7.7 25	-7.4 14	-6.7 14	-3.0 2	-5.0 6-7	-1.0 29	1.0 1-3	-2.7 14/8/70

TEMPERATURAS MÍNIMAS ABSOLUTAS DE LA SERIE

ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
-0.6 20/1/67	-2.0 20/2/70	-0.2 19/3/70	-1.5 19/4/68	-7.0 21/5/70	-7.8 30/6/66	-7.4 14/7/70	-9.0 14/8/69	-1.7 1/9/66	-5.0 6-7/ 10/70	-2.0 7/11/64	0.2 31/12/64

CHD/mbr.

