



**UNIVERSIDAD TÉCNICA ESTATAL DE QUEVEDO
UNIDAD DE POSGRADO
MAESTRÍA EN MANEJO FORESTAL SOSTENIBLE**

Proyecto de investigación previo a la obtención del Grado Académico de Magíster en Manejo Forestal Sostenible

TEMA

CONDICIONES HIDROTÉRMICAS RELEVANTES PARA LA ZONIFICACIÓN DE PLANTACIONES DE BALSA (*Ochroma pyramidale* (Cav. ex Lam.) Urb.) EN LA PROVINCIA LOS RÍOS.

AUTOR

ING. CARLOS ALBERTO PINCAY PARRALES

DIRECTORA

PhD. YARELYS FERRER SÁNCHEZ.

QUEVEDO – ECUADOR

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CERTIFICACIÓN

La PhD. Yarelys Ferrer Sánchez, en calidad de Directora del proyecto de investigación, previo a la obtención del Grado Académico de Magíster en Manejo Forestal Sostenible.

CERTIFICA:

Que el ING. CARLOS ALBERTO PINCAY PARRALES, autor de la tesis titulado **“CONDICIONES HIDROTÉRMICAS RELEVANTES PARA LA ZONIFICACIÓN DE PLANTACIONES DE BALSA (*Ochroma pyramidalis* (Cav. ex Lam.) Urb.) EN LA PROVINCIA DE LOS RÍOS”** ha sido revisado en todos sus componentes, el mismo que está apto para la presentación y sustentación formal ante el tribunal respectivo.

Quevedo, Mayo del 2020

**PhD. YARELYS FERRER SÁNCHEZ.
DIRECTORA**

AUTORÍA

Los criterios, resultados, análisis, conclusiones y recomendaciones expuestas en el presente trabajo de investigación son de total y exclusiva responsabilidad del autor.

ING. CARLOS ALBERTO PINCAY PARRALES

DEDICATORIA

A mis padres:

Por haberme forjado como la persona que soy en la actualidad; muchos de mis logros se los debo a ustedes entre los que se incluye este. Me formaron con reglas y con algunas libertades, pero al final de cuentas, me motivaron constantemente para alcanzar mis anhelos.

Gracias madre y padre.

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PRÓLOGO

Con el cambio climático se han modificado las variables hidrotérmicas, fundamentales en la formación del clima en vastos territorios que se dedican a la explotación de las áreas forestales. Con estas modificaciones se han afectado la satisfacción de los requerimientos agroclimáticos de las especies forestales con consecuencias sobre la productividad, en que pueden estar afectadas tanto la cantidad como la calidad de la producción maderera.

La evaluación de las condiciones agroclimáticas vigentes en la provincia Los Ríos constituye una de las vías para prevenir los impactos derivados de la modificación del agroclima y su repercusión sobre la productividad de la *Ochroma pyramidalis* (Balsa), especie que está ampliamente extendida en la provincia, por lo que las medidas que se puedan llevar a cabo están revestidas de una alta importancia, en lo económico y en lo ambiental.

Reconocer los períodos favorables y críticos para el fomento de la Balsa en la provincia Los Ríos es determinante para realizar un uso eficiente de los servicios ambientales devenidos de las condiciones climáticas y reducir los costos e inversiones que acarrean gastos e impactos sobre el ecosistema.

La investigación “**CONDICIONES HIDROTÉRMICAS RELEVANTES PARA LA ZONIFICACIÓN DE PLANTACIONES DE *Ochroma pyramidalis* (Cav. ex Lam.) Urb. (BALSA) EN LA PROVINCIA LOS RÍOS**” puede representar una excelente vía para el desarrollo de un esquema de manejo que eleve la eficiencia del manejo agrotécnico y considere la conservación y protección del medio ambiente, base del desarrollo sostenible.

**DR. MARIO HERRERA SOLER PhD.
AGROCLIMATÓLOGO Y AGROECÓLOGO**

RESUMEN EJECUTIVO

Las variaciones del clima intensificadas por el cambio climático han determinado serios impactos en los sistemas forestales en general. Se han acentuado las sequías, inundaciones, incendios y plagas en múltiples regiones lo que ha disparado los sistemas de alarma climática para mitigar o eliminar los daños a los sistemas forestales. La presente investigación tuvo como objetivo evaluar de las condiciones agroclimáticas de la *Ochroma pyramidalis* (Balsa) para así determinar los períodos favorables para el desarrollo de esta especie, el impacto de los servicios ambientales provenientes del clima y la diferenciación de las áreas en función de su potencial agroclimático para la satisfacción de los requerimientos de la especie en cuestión. Se tomaron los datos decenales de las temperaturas máximas y mínimas para un período de 30 años en 30 estaciones reales y virtuales. Se crearon matrices de temperaturas máximas y mínimas decenales y se obtuvo la matriz de temperatura media. El mismo procedimiento se aplicó para la obtención de una matriz de la suma de precipitaciones decenales. Con los datos de las temperaturas medias y precipitaciones acumuladas se obtuvieron los mapas de temperaturas medias y de precipitaciones acumuladas. Se aplicó el software AgroclimMap que produce mapas de las condiciones térmicas y pluviométricas y evalúa mediante operaciones algebraicas las condiciones de favorabilidad para la *Ochroma pyramidalis* (Balsa) categorizando las regiones en Favorables, Moderadamente Favorables y No favorables. El 38% de la provincia presentó condiciones favorables para el desarrollo de la *Ochroma pyramidalis* en relación con la suma de precipitaciones anuales. Los sectores son: Babahoyo, Pichilingüe, Ventanas, Quinsaloma, Quevedo, Buena Fe, Los Ángeles y Mocache. Los sectores restantes se ubican en los Moderadamente Favorables con un 62% del territorio. Las condiciones No Favorables no se presentan en el territorio. Los resultados del Percentil 25 para la suma de precipitaciones anuales de 1295 mm se ubica en las condiciones No Favorables, con condiciones medianamente probables para eventos de sequía. Por otro lado, el Percentil 75 supera en 180 mm al requerimiento máximo de la balsa, lo que la hace poco probable de alcanzar esa condición. Se recomienda extender estudios similares hacia otras provincias dedicadas a la explotación de las áreas forestales.

Palabra clave: **caracterización agroclimática, precipitación, temperatura, balsa**

ABSTRACT

Climate variations intensified by climate change have determined serious impacts on forest systems in general. Droughts, floods, fires and pests in multiple regions have increased, triggering climate alarm systems to mitigate or eliminate damage to forest systems. The objective of this research was to evaluate the agroclimatic conditions of the *Ochroma pyramidalis* (Balsa) in order to determine the favorable periods for the development of this species, the impact of environmental services from the climate and the differentiation of the areas according to their agroclimatic potential for satisfying the requirements of the species in question. The decadal data of the maximum and minimum temperatures for a period of 30 years were taken in 30 real and virtual stations. Decadal maximum and minimum temperature matrices were created and the average temperature matrix was obtained. The same procedure was applied to obtain a matrix of the sum of decadal precipitations. With the data of the average temperatures and accumulated rainfall, maps of average temperatures and accumulated rainfall were obtained. The AgroclimMap software was applied, which produces maps of the thermal and rainfall conditions and evaluates the favorable conditions for *Ochroma pyramidalis* (Balsa) by algebraic operations, categorizing the regions as Favorable, Moderately Favorable and Not favorable. 38% of the province presented favorable conditions for the development of *Ochroma pyramidalis* in relation to the sum of annual rainfall. The sectors are: Babahoyo, Pichilingue, Ventanas, Quinsaloma, Quevedo, Buena Fe, Los Angeles and Mocache. The remaining sectors are located in the Moderately Favorable with 62% of the territory. Unfavorable conditions are not present in the territory. The results of the 25th Percentile for the sum of annual precipitations of 1295 mm are located in the Unfavorable conditions, with moderately probable conditions for drought events. On the other hand, the 75th Percentile exceeds the maximum requirement of the raft by 180 mm, which makes it unlikely to reach that condition. It is recommended to extend similar studies to other provinces dedicated to the exploitation of forest areas.

Keyword: **agroclimatic characterization, precipitation, temperature, raft**

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INTRODUCCIÓN

El Ecuador se caracteriza por su riqueza de recursos naturales y diversidad de ecosistemas boscosos. La iniciativa del Ministerio del Ambiente del Ecuador, MAE (2012), desarrolló e implementó una metodología que establece los procedimientos necesarios para generar mapas de cobertura y uso de la tierra en su publicación “línea base de deforestación para el Ecuador continental”, en el mismo se manifiesta que, la tasa anual de cambio de cobertura boscosa en el Ecuador continental es de -0,71 % para el período 1990 - 2000 y de -0,66 % para el período 2000 - 2008. La transformación y fragmentación de los bosques representan las principales causas de la pérdida de diversidad biológica a nivel global. El ordenamiento ecológico es el proceso de planeación dirigido a evaluar y programar el uso del suelo y el manejo de los recursos naturales, para preservar y restaurar el equilibrio ecológico y proteger el ambiente. Puede decirse que consiste en determinar la capacidad de soporte de los sistemas naturales para la localización de determinadas actividades productivas.

Este consta de los siguientes niveles: el ordenamiento ecológico del paisaje; ordenamiento ecológico regional; y el ordenamiento ecológico local. Este último se considera uno de los más importantes ya que permite el ordenamiento de territorios relativamente pequeños, determinados fundamentalmente por el área de un municipio.

Ordenar los territorios es imposible si no se cuenta con una agroclimatología especializada (se ocupa de especies específicas) que descubra las oportunidades y desafíos que brindan los servicios ambientales del entorno y que permite un desarrollo sostenible con una racionalización de insumos y la coherencia ecológica necesaria.

La Balsa es una especie forestal y maderera que posee gran demanda en el mercado internacional. Se cultiva de manera natural y por reforestación, especialmente en la selva sub-tropical de Ecuador, donde es uno de los recursos forestales y maderables de mayor aprovechamiento; por tal razón es uno de los rubros económicos de importancia en la economía de nuestro país. (González et al, 2010). La Balsa es una especie de gran importancia comercial en la cuenca del Río Guayas en el Ecuador; de donde se obtiene el 95% de la cosecha mundial (Butterfield, 1995).

El presente trabajo de investigación tuvo como fin determinar las condiciones agroclimáticas del abastecimiento hídrico y térmico para la balsa (*Ochroma pyramidalis*) con el objetivo de elevar la eficiencia del desarrollo y manejo de esta especie.

El proyecto de investigación está compuesto de cinco capítulos: el primero describe el marco contextual de la investigación que contiene la ubicación, contextualización situación actual y problema de investigación además de los objetivos, el segundo capítulo contiene el marco teórico de la investigación, donde se incluyen la fundamentación conceptual, teórica y legal. El tercer capítulo la metodología de investigación que muestra los procedimientos metodológicos utilizados para el desarrollo de la tesis. Se enfatiza en las herramientas de informática que se aplican para obtener analizar la información y obtener los resultados. Un cuarto capítulo Resultados y Discusión en los que se presentan gráficos y áreas de las áreas en cuestión de estudio. El capítulo final Conclusiones y recomendaciones en el que se plasman las áreas favorecidas o no en función de los requerimientos de la especie.

CAPITULO I.

MARCO CONTEXTUAL DE LA INVESTIGACIÓN

1.1. UBICACIÓN Y CONTEXTUALIZACIÓN DE LA PROBLEMÁTICA

Durante las últimas décadas, la conservación de los recursos naturales, la protección de la biodiversidad y el manejo sustentable de los recursos forestales, han sido uno de los temas prioritarios entre gestores de políticas y el público en general en todo el mundo. Esta es la razón por la que se han implementado numerosas iniciativas a escala nacional e internacional, pero la degradación de los bosques continúa, siendo un motivo de alarma, tanto en regiones tropicales como templadas (Cuasquer *et al.* 2011). El promedio anual de deforestación en el periodo 2000 – 2008, para la provincia de Los Ríos fue de 816 ha (MAE, 2012), como efecto tenemos bosques pobres y ecológicamente deteriorados.

Entre las razones del deterioro que hoy enfrentan las zonas boscosas del cantón Quevedo están las condiciones climáticas presentes, las que se han tornado más desfavorables con las modificaciones existentes en algunas de sus factores fundamentales, como la temperatura y las precipitaciones. Estos factores requieren de una investigación que los relacione con los requerimientos de las especies boscosas.

El área de estudio donde se focalizó esta investigación, está localizada en la provincia Los Ríos, Ecuador, que ocupa un territorio de unos 6254 km².

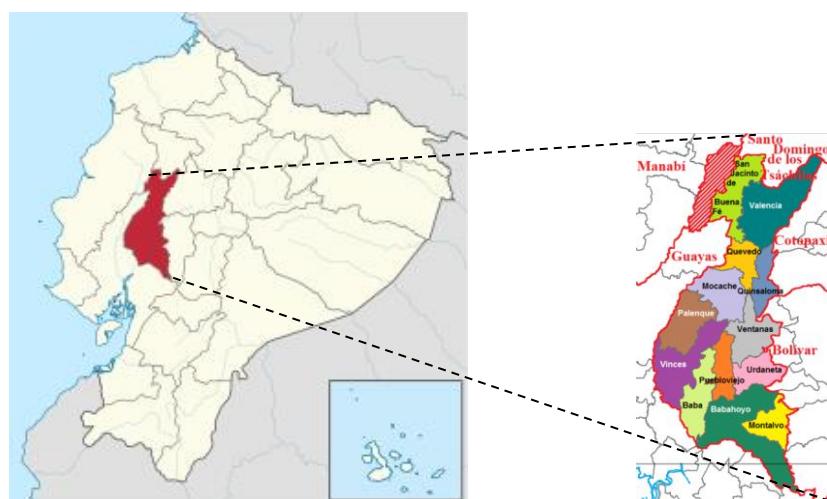


Figura 1. Ubicación de la zona de estudio de la provincia de Los Ríos.

1.2. SITUACIÓN ACTUAL DE LA PROBLEMÁTICA

No se han realizado estudios recientes sobre el estado de las condiciones agroclimáticas de las áreas boscosas en la provincia Los Ríos, lo que ha determinado que haya desinformación acerca de los requerimientos hídricos y térmicos de las especies forestales y causas del impacto que han recibido las áreas boscosas. A continuación se describen en la Figura 2 los efectos y causas relacionadas con el problema de este trabajo.

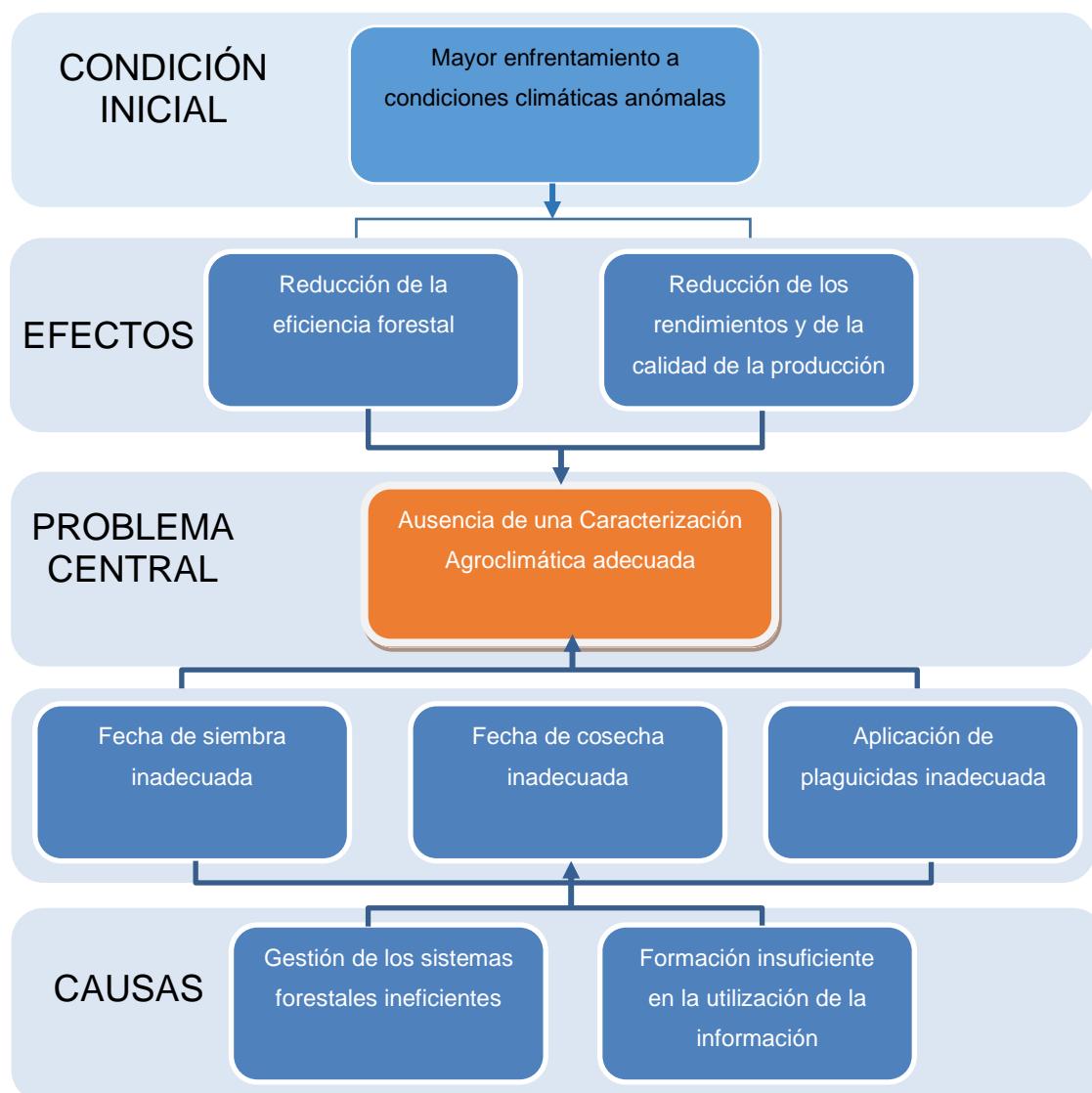


Figura 2. Problema, efectos y causas del desarrollo de la balsa relacionado con las condiciones climáticas en la provincia de Los Ríos.

En la actualidad no se cuenta con el monitoreo necesario de las condiciones agroclimáticas, elemento necesario para la eliminación o mitigación de los riesgos que deben enfrentar las plantaciones de Balsa.

1.3. PROBLEMA DE INVESTIGACIÓN

1.3.1. Problema general

- ¿La identificación de las condiciones hidrotérmicas permitirá establecer el comportamiento espacial y temporal para *Ochroma pyramidalis* (balsa) en la provincia de Los Ríos?

1.3.2. Problemas derivados

- ¿Cuál es el comportamiento de las condiciones de la temperatura del aire en relación con los requerimientos de *O. pyramidalis* en la provincia de Los Ríos?
- ¿Cuál es el comportamiento de las condiciones de las precipitaciones en relación con los requerimientos de *O. pyramidalis* en la provincia de Los Ríos?

1.4. DELIMITACIÓN DEL PROBLEMA

El presente trabajo de investigación se establecerá dentro de los siguientes límites:

CAMPO:	CIENCIAS FORESTALES
ÁREA:	AGROCLIMATOLOGÍA
ASPECTO:	CONDICIONES HIDROTÉRMICAS RELEVANTES PARA LA ZONIFICACIÓN DE PLANTACIONES DE <i>Ochroma pyramidalis</i> (BALSA) EN LA PROVINCIA DE LOS RÍOS

LÍNEA DE

INVESTIGACIÓN: DESARROLLO DE SISTEMAS DE PRODUCCIÓN QUE PROMUEVAN EL USO EFICIENTE DE LOS RECURSOS AMBIENTALES.

SECTOR: CONDICIONES AGROCLIMÁTICAS DE LA BALSA

DONDE: PROVINCIA DE LOS RÍOS

CUANDO: PERÍODO DE 30 AÑOS (1988-2018)

1.5. OBJETIVOS

1.5.1. Objetivo general

- Evaluar las condiciones hidrotérmicas relevantes para la zonificación de las plantaciones de *O. pyramidale* en la provincia de Los Ríos.

1.5.2. Objetivos específicos

- Describir las condiciones térmicas en la provincia de Los Ríos en un periodo de 30 años en relación con los requerimientos de la *O. pyramidale*.
- Describir las condiciones hídricas en la provincia de Los Ríos en un periodo de 30 años en relación con los requerimientos de la *O. pyramidale*.
- Evaluar la favorabilidad térmica e hídrica en la provincia de Los Ríos en función de los requerimientos de *O. pyramidale*.

1.6. JUSTIFICACIÓN

Realizar el ordenamiento de las áreas boscosas en función de las condiciones agroclimáticas de la especie es la solución a racionalizar el uso de los servicios ambientales devenidos de las condiciones climáticas, optimizando los insumos y reduciendo los riesgos ambientales. El Ministerio del Ambiente tiene entre sus objetivos la implementación de sistemas de gestión de riesgo y de manejo eficiente de los

recursos naturales (SENPLADES, 2013), lo que se conecta directamente con el objetivo de este estudio.

La producción agrícola está siempre sujeta a los riesgos asociados con la variabilidad climática. Los productores con frecuencia se encuentran a merced de las fuerzas naturales que no pueden controlar, especialmente los cambios en las precipitaciones de estación a estación y de año en año (Fraisse *et al.*, 2016).

La evaluación de los riesgos debe partir de las vulnerabilidades existentes ante los peligros potenciales y sólo con un plan de prevención es posible tener una visión objetiva de los riesgos en una región (McMichael *et al.*, 2000; Adger *et al.*, 2005). El inventario de las condiciones climáticas, sus potencialidades y limitaciones, áreas afectadas y períodos de mayor sensibilidad son necesarios para poder realizar un ordenamiento sostenible que garantice la seguridad productiva requerida.

Esta investigación buscó establecer cuál es el patrón actual de comportamiento de las condiciones agroclimáticas favorables a la balsa en la provincia de Los Ríos. Este aporte puede determinar en qué proporción existen las condiciones que garantizan la adecuación a los requerimientos climáticos de esta especie.

CAPITULO II.

MARCO TEÓRICO DE LA INVESTIGACIÓN

2.1. FUNDAMENTACIÓN CONCEPTUAL

2.1.1 Bosque

Según lo reportado por Carrera (2014) el bosque se caracteriza por que en su composición predominan las plantas leñosas y encuentran mejor desarrollo en superficies planas, condiciones de buen abastecimiento hídrico y en condiciones de clima tropical o templado. Dentro de los ecosistemas, los bosques representan una forma básica, la que puede ser clasificada según los árboles que lo componen.

2.1.2 Zonificación.

Es la acción de identificar las similitudes y diferencias que caracterizan a una región en relación con una característica física, química o biológica. La zonificación climática se realiza en función de una o varias variables climáticas.

2.1.3 Condiciones agroclimáticas.

Son aquellas condiciones climáticas que existen en el entorno de los cultivos y que influyen en su crecimiento y desarrollo. Estas condiciones se establecen estadísticamente para una serie de años que debe tener como mínimo 30 años, aunque en el caso que nos cumpla con esta condición se debe elaborar con los datos existentes. (Cinitzina, 1973).

2.1.4 Requerimientos agroclimáticos.

Se define como aquellas condiciones que los cultivos exigen en cada una de las fases de desarrollo para que este se realice de manera óptima. Esas condiciones se alinean en las exigencias térmicas, hídricas, lumínicas, higroscópicas y calidad del aire.

2.1.5 Riesgo agroclimático.

Representa la probabilidad de que un ecosistema agrícola enfrente condiciones anómalas de acuerdo a sus requerimientos agroclimáticos que puedan provocarle impactos a la cantidad y/o la calidad de la producción agrícola. (Gommes, 1992).

2.1.6 Vulnerabilidad agroclimática.

Es la fragilidad que presenta un ecosistema agrícola ante las amenazas emanadas de condiciones agroclimáticas adversas.

2.1.7 Clima

Son las condiciones promedios del tiempo meteorológico medidas en un período de 30 años o más en un territorio significativamente extenso. El clima es función de la posición latitudinal, de la proporción de tierras y mares y de la continentalidad. (Cinitzina, 1973).

2.1.8 Precipitación

Es la altura del agua que alcanzan las lluvias en una localidad medida en milímetros (mm). La lluvia es medida con un pluviómetro o registrada con un pluviógrafo. Las precipitaciones son un elemento fundamental en la ecuación de balance hídrico, una herramienta fundamental para el pronóstico de riego. Las especies forestales requieren de ciertos niveles de precipitaciones para satisfacer sus necesidades hídricas. (Cinitzina, 1973).

2.1.9 Factores antropogénicos

Los factores antropogénicos pueden influir sobre la regeneración natural de los bosques tropicales secos siendo uno de sus principales componentes el fuego, muchas veces ocasionado por el ser humano. Entre más seca sea la zona más probables son los incendios. Todas las especies del trópico seco tienen que saber convivir con el fuego y a lo mejor sacar ventaja de él. Una quema puede ser comparada en cierta medida con una limpieza. Una parte de la vegetación será aniquilada y otra quedará con más espacio para desarrollarse (Faurby *et al.*, 1998).

2.1.10 Manejo forestal.

El manejo forestal es un proceso de toma de decisiones para la conducción de una propiedad forestal a través del tiempo. Así, una de las definiciones más aceptadas de manejo forestal de acuerdo con Leuschner (1990) es: “el estudio y aplicación de

técnicas analíticas, que permitan la selección de aquellas alternativas de manejo, que mejor contribuyan al logro de los objetivos empresariales". Está claro que, debido a los largos ciclos de producción y a las numerosas alternativas de manejo, las posibilidades de aprender por experiencia o experimentación directa son limitadas. En consecuencia, para un manejo forestal racional se necesitan modelos matemáticos capaces de predecir los efectos de los tratamientos, especialmente en bosques con manejo intensivo (García, 1994).

2.1.11 Hidrotérmicos

Condiciones de temperatura y humedad del aire presente en un ecosistema. Estas condiciones se caracterizan decenalmente, considerando la inercia de las plantas respecto a las condiciones físicas del ambiente, las que se reflejan con un cierto retraso.

2.1.12 Características generales de *Ochroma pyramidale*.

Ochroma pyramidale (Cav. ex Lam.) Urb., comúnmente conocida como balsa es un árbol oriundo de América del Sur con la particularidad de que su madera es muy ligera, lo que la asemeja con el pino blanco. Se utiliza para material de embalaje con su poder amortiguador y en flotadores para cuerdas de salvamento. Sus características aislantes la hacen idónea para las incubadoras y refrigeradores y cámaras frías (bolsanegocios.webs.com/balsa.ht).

Los primeros años de su plantación se le asocia con otros cultivos y se aprovecha el área disponible entre plantones y se obtiene una producción secundaria.

Su densidad de plantación fluctúa entre 625 a 830 plantas por hectárea, siendo recomendable que las plantaciones se realicen próximas a las carreteras para facilitar su transportación hacia los centros de acopio para su elaboración (www.waldbau.uni-freiburg.de/.../Ecuador_Balsa_es.html).

La balsa tiene un sinnúmero de cualidades que la hacen superior a muchos otros productos. Dentro de estas cualidades tenemos: su gran capacidad de aislamiento térmico y acústico, su bajo peso, su facilidad para encolarse y su poco movimiento de agua entre sus celdas. El balso crece muy rápidamente y en la mayoría de los casos su

madera está lista para el corte a los seis años, su altura puede llegar hasta los 30 m y puede llegar a tener un diámetro de hasta 5 m. Es usada en diferentes aplicaciones tales como construcción de tanques para químicos, tinas de baño, paletas para generadores eléctricos eólicos, autos, camiones, botes, etc.

Es usada en diferentes aplicaciones tales como paletas para generadores eléctricos eólicos, autos, camiones, botes, construcción de tanques para químicos, tinas de baño, , etc. La madera balsa tiene un sinnúmero de cualidades que la hacen superior a muchos otros productos. Tiene una gran capacidad de aislamiento térmico y acústico, su bajo peso, su facilidad para encolarse y su poco movimiento de agua entre sus celdas. Entre otras características podemos observar que presenta diferentes matices y colores, así con la variedad de tamaños que se puede encontrar. La balsa es muy fácil de trabajar y no es necesario usar sierras eléctricas ni otros de los elementos utilizados normalmente para las maderas duras, simplemente un cortante y un bloque de lija nos permitirá trabajarla con comodidad.

Una gran motivación para los empresarios que apuestan por esta especie es la gran velocidad de crecimiento que presenta la balsa, lo que hace que en solo 4-5 años se puedan obtener elevadas producciones de esta especie forestal, lo que aventaja a otras muchas especies forestales. Esta especie garantiza que una gran fuerza laboral se mantenga activa: desde los que procesan la materia prima en el país, hasta los que la recepcionan en sus países para llevar a cabo sus producciones finales (www.ecosur.mx/ecofronteras/ecofrontera/.../Puedelaagricultura).

Especie encontrada en los potreros (aislada), proporcionando sombra. Huerto familiar, acahuil, monte alto manejado. Se asocia con otros cultivos, naranja, plátano, cacao, coco, ayudando en el control de malezas.

Los frutos adecuados para obtener semillas para una plantación comercial, son aquellos que son guacos o gemelos ya que son los que proporcionan mayor porcentaje de plantas hembra. Por lo general, en las plantaciones se acostumbra sembrar 3 plantas macho por una hembra. Se siembra en cepas de 20 x 20 cm de ancho y 40 cm de profundidad. En monocultivo el distanciamiento debe ser de 12 x 12 m. Se poda cuando se cosecha el fruto y cuando se observan ramas secas en cualquier mes del año, para evitar el ataque

de las hormigas en la intersección de las ramas secas. Las plántulas se trasplantan a los 2 ó 10 días después de la germinación a bolsas de polietileno y se fumigan con sulfato de cobre (<http://www.semarnat.gob.mx/informacionambiental/Pages/sniarn.aspx>).

2.2. FUNDAMENTACIÓN TEÓRICA

2.2.1 Aspectos generales

Es conocido que durante la existencia de la Tierra el clima ha sufrido de constantes variaciones, pero nunca se ha visto en mayor riesgo del que se está presenciando en la actualidad. El rápido cambio que ha estado ocurriendo en los últimos años, afecta cada vez más la vida de las personas, la economía, las condiciones sociales y todo el ecosistema (Nikoláeba, 2018). Múltiples son las pruebas que ha mostrado el IPCC (2013) sobre la presencia del cambio climático y las secuelas que producirá. Uno de los sectores con mayores impactos ha sido el agropecuario y el forestal, lo que se refleja en los resultados productivos a causa de las intensas sequías y agresivas inundaciones. La región latinoamericana resultó ser particularmente vulnerable a estos cambios debido a su ubicación geográfica, estado socioeconómico y demográfico y la alta sensibilidad de sus activos naturales: bosques, agua y biodiversidad. A pesar de la incertidumbre y la naturaleza a veces conflictiva de muchas estimaciones y pronósticos, la región se ha vuelto cada vez más consciente de la necesidad de transformar el paradigma existente de producción y consumo, tomar medidas urgentes para minimizar el impacto negativo en el clima y adaptarse a los escenarios (Nikoláeba, 2018).

Los suelos de los bosques en los trópicos almacenan el 32% del CO₂ al nivel mundial. Entender la compleja estructura existente entre los factores antropogénicos que producen cantidades significativas de CO₂ y los factores climáticos que influyen en estos procesos, contribuiría a crear las medidas de eliminación o mitigación de estos flujos (Sugasti y Pinzón, 2018). Se encontró en estos estudios que existe una correlación positiva con la humedad y la temperatura del suelo. Con la deforestación hay una serie de servicios ambientales que se ven afectados, como son la regulación del CO₂, la regulación de las condiciones climáticas, el abastecimiento de agua dulce y la biodiversidad (FAO, 2017).

El transporte de CO₂ hacia la superficie está relacionado con la respiración de las raíces y de los macro y micro organismos que habitan en el suelo y del flujo que de gases a través del suelo (Fang, 1999). Este flujo tiene una fuerte dependencia de factores ambientales como la temperatura del suelo y su gradiente, la humedad del suelo y su gradiente y las propiedades del suelo (Fang, 2000). En el estudio se concluyó que existen períodos que la correlación del flujo de CO₂ con la temperatura no es positiva, de manera que con el aumento de la temperatura se reduce el flujo. Se pudo determinar que la respiración de los organismos se optimiza con temperaturas alrededor de 30 °C, pero superado este límite tiende a disminuir. Por otra parte, la humedad del suelo influye sobre la temperatura disminuyendo su intensidad, lo que a su vez determina el flujo de gases en el suelo (Sugasti y Pinzón, 2018).

En estudios sobre la diseminación de la *Nothofagus dombeyi*, especie maderera importante en Chile, se analiza la influencia de las condiciones edafoclimáticas sobre su presencia en el territorio chileno (Esse *et al.*, 2013). El estudio persigue encontrar las causas de su distribución en las zonas boscosas de Chile y brindar las pautas para el manejo más efectivo para la obtención de bienes y servicios del bosque. De acuerdo a Thiers (2004) y Chambers *et al.*, (2013), las áreas definidas como homogéneas por los factores de clima y de suelo son relacionadas con el crecimiento y la productividad de las especies forestales. Los factores climáticos objeto de estudio fueron la temperatura media anual, la suma de precipitaciones anual, la temperatura máxima, la temperatura mínima y las oscilaciones de las temperaturas (Esse *et al.*, 2013).

Es importante declarar que el estudio consideró las condiciones climáticas a través de las variables temperatura y precipitación, en que fueron definidas las etapas de lluvias y de sequía, siendo la metodología utilizada la propuesta por Gómez-Orea (1999) que se fundamenta en el uso de los SIGs para la delimitación de las zonas homogéneas.

Siguiendo la idea anterior se tiene que el comportamiento de la temperatura y de la humedad relativa unido a la caída de la hojarasca en el suelo, es determinante para la respiración diaria de suelo, la que presentó un comportamiento bimodal en mayo y septiembre de un modelo exponencial con ambas variables atmosféricas (Murcia-Rodríguez *et al.*, 2012).

Se ha probado por disímiles autores la estrecha relación existente entre el crecimiento, desarrollo, productividad y rendimiento de las plantas en general y de las domesticadas en particular (Furon, 1967; Lemon, 1971; Devlin, 1975). La agricultura ha sido domeñada por el hombre en la medida que ha podido descubrir, por medios empíricos o por conducción de experimentos, las causas naturales que determinan el buen desarrollo de las plantas (Devlin, 1975).

Enfrentar el reto ante las condiciones climáticas y del tiempo sobre su influencia en los cultivos ha debido suponer tener que considerar la variabilidad climática vinculada con las condiciones geográficas, proporción de tierras y mares y topográficas; considerar las diferentes formas en que se presentan las variables atmosféricas, cuando se puede considerar la intensidad, su acumulación, distribución, duración o frecuencia con que actúan (IPCC, 2014).

Cuando las características de las variables atmosféricas se comparan con el comportamiento de los cultivos es preciso tener claridad qué aspecto de la planta se examinará, lo que estará relacionado con una fase de desarrollo concretado en un determinado período de tiempo. Todo lo anterior se modificará en función del momento de la siembra en que practique el proyecto (Gulinova, 1974).

Las plantaciones forestales no escapan a estas condiciones y su productividad estará en concordancia con las características del ecosistema en que se desarrollan, donde las condiciones climáticas tienen un papel importante, lo que se manifiesta tanto en la cantidad como en la calidad de la producción (Kojima *et al.*, 2009; Gommes, 1992).

2.2.2 Datos del sitio de la investigación.

La investigación se llevó a cabo en la provincia Los Ríos, una de las 24 provincias que componen la República del Ecuador. Su capital es la ciudad de Babahoyo, aunque la ciudad más grande de la provincia es Quevedo. La provincia Los Ríos tiene una extensión de 6254 km², ocupando la décimo quinta posición por extensión. Limita al norte con Santo Domingo de los Tsáchilas, por el este con Cotopaxi y Bolívar, al noroccidente con Manabí y al oeste y al sur con Guayas.

En la provincia habitan 778 115 personas, datos que responden al censo desarrollado en el 2010.

La provincia tiene una gran importancia al nivel nacional por su pujanza económica y financiera. Entre las actividades de mayor importancia en la provincia están la agricultura, la industria y la ganadería. Hay que señalar que el desarrollo de la agroindustria ha tenido un gran ascenso en los últimos tiempos.

2.3. FUNDAMENTACIÓN LEGAL

En el Ecuador se ha impulsado un modelo de desarrollo que dinamiza los sistemas económicos, políticos, socioculturales y ambientales a partir de la constitución del 2008, que intenta alcanzar un bienestar social conocido como “Buen Vivir”. Estos objetivos de desarrollo son vinculantes con estrategias territoriales que coadyuven a alcanzar un territorio policéntrico. Este desarrollo territorial debe involucrar la implementación de sistemas de gestión de riesgos y de manejo eficiente de los recursos naturales, con el fin de involucrar a la gestión del territorio en la problemática de la adaptación y mitigación al cambio climático. (SENPLADES, 2013).

En agricultura los proyectos de desarrollo dirigidos a incrementar la producción agrícola de los cultivos, el desarrollo sostenible de las regiones agrícolas o el ordenamiento territorial debe partir del estudio de las condiciones agroclimáticas de la región en cuestión, la que garantiza la coherencia ecológica entre las condiciones agroclimáticas y el sistema de producción agrícola (Herrera, 2000).

El cultivo de la balsa en la provincia de Los Ríos, se encuentra muy extendido representando una fuente principal de sustento económico, además, su importancia para la economía del país es esencial, ya que genera una importante fuente de trabajo. Está probado que las condiciones climáticas están sujetas a cambios (IPCC, 2014), lo que ha sido probado por las múltiples condiciones anómalas que se han manifestado en muchas regiones del mundo, además de que es meritorio conceder un espacio a la variabilidad climática que se ha acentuado en las últimas décadas, por lo que el estudio probabilístico de las condiciones agroclimáticas garantizaría la reducción del riesgo de los sistemas de producción en las empresas forestales.

El desarrollo de una caracterización agroclimática del cultivo de la Balsa permitiría reconocer el comportamiento del sistema suelo – planta – atmósfera, su posible coherencia y las acciones para optimizar el funcionamiento del sistema respecto a la sincronía entre las condiciones climáticas y los requerimientos del cultivo.

CAPITULO III.

METODOLOGÍA DE LA INVESTIGACIÓN

3.1- TIPO DE INVESTIGACIÓN

La investigación se fundamentó en la obtención de resultados provenientes de series de datos climáticos, los que se compararon con los requerimientos exigidos por la especie de referencia, por lo que esta investigación tiene un carácter inductivo – deductivo. El objetivo de esta investigación estuvo centrado en determinar los períodos favorables y no favorables para el desarrollo de la balsa desde el punto de vista espacial: las áreas con condiciones idóneas o no para la balsa brinda la información necesaria para la selección de las mejores áreas y la eliminación o mitigación de los impactos negativos.

Se trabajó con una red de estaciones meteorológicas georreferenciadas y un sistema que permite la interpolación de información espacial y la generación de estaciones virtuales. Este sistema funciona como un sistema de información geográfica y permite realizar operaciones espaciales para determinar los comportamientos del abastecimiento térmico e hídrico.

Estas condiciones se compararon con los requerimientos agroclimáticos del cultivo de *O. pyramidale* en función del abastecimiento térmico e hídrico de la región.

3.2 MÉTODO UTILIZADO EN LA INVESTIGACIÓN

En esta investigación se partió de conocimientos particulares para llegar a generalizaciones que permite la optimización del sistema por el descubrimiento en el proceso investigativo de los impactos causados por el comportamiento de las condiciones hidrotérmicas en la balsa, siendo el método inductivo–deductivo el aplicado en esta investigación. En esta investigación se parte de que *O. pyramidale* requiere de condiciones climáticas específicas para un eficiente crecimiento y desarrollo. El método sería identificar en el proceso de investigación cuáles son las condiciones favorables desde el punto de vista espacial.

Las etapas del esquema metodológico para el estudio agroclimático fueron basadas en: Gulinova (1974); Eldin y Rojas (1983) y Herrera (2000), las que aparecen en la Tabla 1.

Tabla 1. Metodología empleada en la investigación agroclimática de balsa (*Ochroma pyramidale* (Cav. ex Lam.) Urb.) en la provincia Los Ríos.

PRIMERA ETAPA

Definición de Requerimientos Agroclimáticos del Cultivo

SEGUNDA ETAPA

Elaboración de elementos meteorológicos.

Valores por década (10 días): Considera la inercia del cultivo, almacenamiento de agua de un suelo promedio y el período entre cada fase de desarrollo.

Aplicación de CROPWAT (FAO), Microsoft EXCEL y el software Agroclim-Map.
Cálculo de los percentiles 25 (sequía) y 75% (inundación) de las precipitaciones.

Elementos: Precipitaciones (P), Temperaturas máximas, mínimas y medias.

TERCERA ETAPA

Caracterización agroclimática del abastecimiento térmico e hídrico cultivo de *O. pyramidale*.

Obtención de mapas agroclimáticos por SIG y gráficos del comportamiento de las precipitaciones y de la temperatura media.

CUARTA ETAPA

Obtención de mapas agroclimáticos por SIG y gráficos del comportamiento de la suma de probabilidades para la suma de precipitaciones.

QUINTA ETAPA

Evaluación de las condiciones agroclimáticas para la selección de áreas y épocas óptimas.

SEXTA ETAPA

Síntesis y presentación de resultados.

ZONIFICACIÓN AGROCLIMÁTICA

3.2.1. Evaluación de las condiciones agroclimáticas.

Se crearon matrices de temperaturas máximas y mínimas decenales para la obtención de la matriz de temperatura media. De igual forma se creó la matriz de la suma de precipitaciones decenales, de matrices de las temperaturas medias y suma de precipitaciones mediante el sistema de información geográfica según las condiciones climáticas expresadas por los requerimientos climáticos de *O. pyramidale*.

3.3 CONSTRUCCIÓN METODOLÓGICA DEL OBJETO DE INVESTIGACIÓN

3.3.1 POBLACIÓN Y MUESTRA

Se tomó una población de datos enmarcadas en 30 estaciones en un periodo de 30 años de las temperaturas máximas y mínimas y la suma de precipitaciones en la provincia Los Ríos. La población de datos climáticos se tomó a partir de las normas establecidas por la Organización Meteorológica Mundial (OMM, 2017).

3.3.2 TÉCNICAS DE INVESTIGACIÓN

Se aplicó el software AgroclimMap (Herrera, 2000), que analiza las condiciones agroclimáticas de los cultivos, conocidas las condiciones climáticas de la región y los requerimientos de los cultivos. Se obtuvieron mapas que identifican las áreas donde las condiciones presentan diferentes grados de favorabilidad, permitiendo así presentar las regiones aptas o no para el desarrollo de la especie seleccionada. Se obtuvieron histogramas que presentan los porcentajes de áreas que presentan diferentes condiciones. Se trabajó con variables temporales en su duración como es el período mensual y anual. El software se fundamenta en las técnicas del Análisis Numérico y de la Matemática Aplicada con aplicación de matrices representadas en mapas que contienen los valores de las variables bajo análisis (temperaturas del aire decenales y precipitaciones decenales).

3.3.3 INSTRUMENTOS DE INVESTIGACIÓN

La garantía de que los valores mensuales y anuales tienen una base confiable es que se trabajó con datos decenales de temperaturas decenales y precipitaciones decenales como información básica, que constituyen las bases originales. (Anexo 2).

Se obtuvieron los requerimientos climáticos de la especie *O. pyramidale*, a partir de las notas técnicas ecuatorianas, garantía de que la información responde a los intereses del lugar donde se desarrolla la investigación.

Los instrumentos estadísticos aplicados fueron los percentiles 25 y 75% que identifican las condiciones de sequía y de inundación para las precipitaciones.

El análisis agroclimático es una metodología aprobada por la Organización Meteorológica Mundial (OMM) y la FAO para las investigaciones agrometeorológicas.

3.4 ELABORACIÓN DEL MARCO TEÓRICO

La base teórica de la investigación parte de la Climatología, ciencia que se fundamenta en la estadística de las condiciones meteorológicas, lo que permite el establecimiento de series que se conceptualizan como normales, brindando así el comportamiento habitual de las condiciones meteorológicas, lo que tiene su aplicación en la planificación de diversas tareas de la vida cotidiana.

La Agroclimatología es una parte de la Climatología que estudia las condiciones normales de las variables meteorológicas en las regiones agrícolas. Esta información es esencial para la planificación del calendario de las tareas agrícolas que va, desde la preparación de los terrenos para la siembra, el riego, la cosecha, así como la selección de las regiones que poseen las características que se adecúan a los requerimientos agroclimáticos de las especies.

La localización de las áreas con diferentes condiciones agroclimáticas se efectúa a través de los sistemas de información geográfica que distingue las zonas dentro de una región que cuenta con características idóneas o no para el fomento de una especie determinada.

3.5 FUENTES DE RECOPILACIÓN DE INFORMACIÓN

Las fuentes de información fueron el Instituto Nacional de Meteorología e Hidrología (INAMHI), la Organización para la Agricultura y la Alimentación (FAO, por sus siglas en inglés) y la Base de Datos Climáticos de la FAO (CLIMWAT) para las variables climáticas y las ubicaciones de las estaciones meteorológicas.

3.6 INSTRUMENTOS DE INVESTIGACION

Se utilizó para la presente investigación los siguientes instrumentos:

- Revisión bibliográfica de los requerimientos climáticos de la *O. pyramidale*.

- Hojas de cálculo y procesamiento de datos como Excel, CropWat, ClimWat y el software Agroclim-Map (Herrera et al, 2000).

3.7 PROCESAMIENTO Y ANÁLISIS

Se accedió a la información climática a través del INAMHI y del ClimWat para la creación de las bases de temperatura media y de suma de precipitaciones. Se calcularon las medias, máximos, mínimos y la desviación estándar. Se accedió a los requerimientos agroclimáticos de la balsa y se definieron las categorías de favorabilidad: Favorable, Moderadamente Favorable y No Favorable.

Mediante la utilización del software AgroclimMap, se obtuvieron los mapas de temperatura media y de suma de precipitaciones anuales. Se evaluaron los mapas de temperaturas medias y de suma de precipitaciones en función de los umbrales de favorabilidad de ambas variables para la balsa. Esta operación sirvió para categorizar las áreas y las estaciones que estaban incluidas en cada categoría. Se procesaron mediante instrumentos estadísticos y de información geográfica las condiciones climáticas (suma de precipitaciones y las temperaturas medias) y los requerimientos de la balsa a esas condiciones. Se determinaron los porcentajes de áreas en cada categoría.

Se calcularon los percentiles 25 y 75% para la suma de precipitaciones para determinar la probabilidad de sequía y de inundaciones para la balsa. De esta manera se determinaron las estaciones que podían afectarse por estas condiciones adversas.

CAPITULO IV.

RESULTADOS Y DISCUSIÓN

4.1. CARACTERIZACIÓN DE LA SUMA DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS Y SU RELACIÓN CON LOS REQUERIMIENTOS DE LA *Ochroma pyramidalis* (BALSA).

Los mapas de la Figura 3 muestran que las mayores sumas de precipitaciones, tanto mensuales como anuales, se localizan hacia el Norte de la provincia Los Ríos donde se confinan como sectores más favorecidos el de Patricia Pilar, Los Ángeles, Valencia N, Buena Fe y Valencia. Para estos sectores las precipitaciones anuales y mensuales fluctúan entre los rangos 2456.97 - 2729.52 mm y 204.75 – 227.46 mm, respectivamente.

Con valores intermedios y hacia el Sur le siguen Quevedo, Pichilingue, Jaunéche, Mocache, Quinsaloma, Palenque y Ventanas. Para estos sectores las precipitaciones anuales y mensuales fluctuaron entre los rangos 1815.77 – 2266.47 y 151.31 – 188.87, respectivamente. Un poco más hacia el Sur y con valores discordantes respecto a la localidad se encuentra Babahoyo y con valores afines se sitúan Puebloviejo e I. María.

En el extremo Sur se localizaron sectores con los menores valores: Vinces, Urdaneta, Baba y Montalvo. Para estos lugares las precipitaciones anuales y mensuales fluctúan en los rangos 1559.24 – 1838.3mm y 129.94 – 153.19mm. Los resultados anteriores coinciden con los reportados por Higmans et al. (2005), donde se refleja que la provincia Los Ríos presenta precipitaciones anuales entre 1000 y 2000 mm hacia el Sur y superiores de 2000 hacia el Norte. Con esta afirmación concuerdan Almagro De la Cueva y Jiménez Jiménez, (2013), quienes reportan para la Balsa requerimientos de un clima cálido y húmedo, siendo la cantidad mínima de precipitación de 1500 mm anuales y máxima de 4000 mm, condiciones imperantes en la provincia.

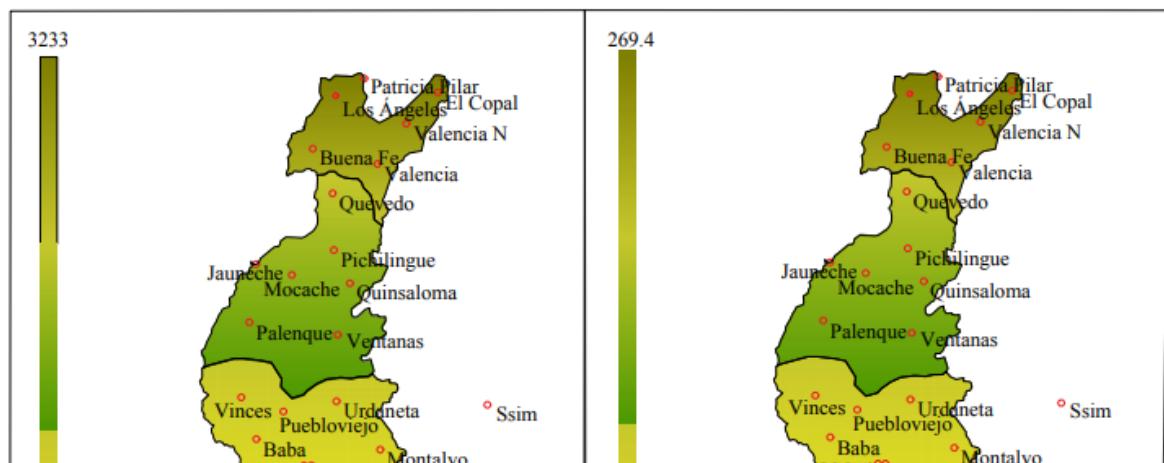


Figura 3. Comportamiento de la suma de precipitaciones anuales y mensuales en la provincia Los Ríos.

Los valores de la suma de precipitaciones anuales y mensuales se muestran en la tabla.

Tabla 2. Valores de la suma de precipitaciones anual y mensual en la provincia de Los Ríos categorizadas por sectores: sector Norte; sector Centro y sector Sur. Los valores en negrita representan los mínimos y máximos valores en cada sector.

Cantón / Sector	Precipitación Anual (mm)	Precipitación Mensual (mm)	Ubicación
Buena Fe	2456,97	204,75	Norte
Patricia Pilar	2622,55	218,55	
Los Ángeles	2624,40	218,70	
Valencia N	2668,29	222,36	
Valencia	2701,45	225,12	
El Copal	2729,52	227,46	
Jauneche	1815,77	151,31	Centro
Mocache	1909,40	159,12	
Babahoyo	1918,65	159,89	
Ventanas	2007,22	167,27	
Quinsaloma	2171,54	180,96	
Pichilingue	2174,35	181,20	
Quevedo	2266,47	188,87	Sur
Vinces	1559,24	129,94	
Montalvo-S	1624,54	135,38	
Baba	1663,80	138,65	
Montalvo	1675,02	139,59	
I. María	1678,29	139,86	

Urdaneta	1737,55	144,80	
Pueblobviejo	1767,74	147,31	
Palenque	1838,30	153,19	

Según lo reportado por la Nota Técnica (2018) y coincidente con Ecured (2013), se concluye que los requerimientos hídricos de *O. pyramidale* fluctúa entre 1500 y 3000 mm. Considerando estos límites se puede establecer diferentes rangos de condiciones favorables o no favorables para el crecimiento y desarrollo de esta especie. De esta forma se definen tres categorías distribuidas en seis rangos (Tabla 3).

Tabla 3. Rangos de favorabilidad de la suma de precipitaciones para *O. pyramidale* (Balsa) en la provincia Los Ríos.

CONDICIONES DE SUMA DE PRECIPITACIONES PARA LA BALSA (mm)	
FAVORABLES	1875 – 2250 (por defecto) 2251 – 2625 (por exceso)
MODERADAMENTE FAVORABLES	1500 – 1875 (por defecto) 2625 – 3000 (por exceso)
NO FAVORABLES	< 1500; > 3000

En la figura 4, se presenta la condición de favorabilidad en relación con la suma de precipitaciones anuales que presenta cada sector de la provincia Los Ríos según su capacidad para satisfacer los requerimientos hídricos de *O. pyramidale*.

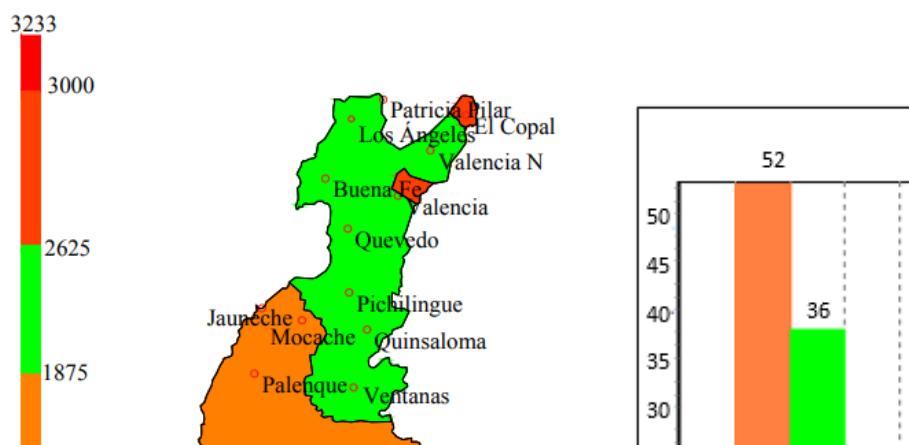


Figura 4. Caracterización de las condiciones de favorabilidad de la suma de precipitaciones anuales para la *O. pyramidale* (balsa) en la provincia Los Ríos.

Lo primero que se puede advertir en el mapa es que no existen condiciones No Favorables en la provincia, lo que la hace idónea para la producción de Balsa en relación con las condiciones agroclimáticas. Estos resultados coinciden con Villavelez & Meniado (1979), que reporta que la distribución natural geográfica de la Balsa es desde el sur de México hasta Bolivia y va al este recorriendo gran parte de Venezuela y las Antillas. Los sectores con mejores condiciones para satisfacer los requerimientos hídricos de la Balsa son Valencia N, Los Ángeles, Patricia Pilar, Quevedo, Pichilingue, Quinsaloma, Ventanas y Buena Fe, todos en la categoría de Favorables, con un 64% de la provincia. En la categoría de Moderadamente Favorables se posicionan El Copal, Valencia, Jaunecche, Palenque, Vinces, Puebloviejo, Urdaneta, Baba, Montalvo, I. María y Babahoyo, con un 36% de la provincia. Estas características indican que los requerimientos hídricos de la Balsa tienen una alta probabilidad de ser solventadas razonablemente en cada campaña al contar con servicios ambientales suficientes para sus requerimientos. Es posible enunciar que el impacto de las precipitaciones sobre el crecimiento y desarrollo de las poblaciones forestales, donde la presencia de la balsa es significativa es positivo de forma general.

El inventario sobre las capacidades de las precipitaciones al nivel de cantón en relación con la balsa posibilita realizar la planificación de las reservas hídricas que se necesitan

para lograr buenos resultados productivos a la vez que se racionaliza elpreciado recurso para otros fines productivos o el uso de las necesidades de la población, en general siempre crecientes.

En la figura 5, se refleja el comportamiento de las precipitaciones anuales en cada sector y su relación con la categoría de favorabilidad para *O. pyramidale*. Se puede diferenciar que en el caso de la categoría de Moderadamente Favorables están los sectores que se ubican en esa categoría por defecto: Baba. Puebloviejo, Montalvo, Urdaneta, Palenque, Vinces, I. María y Jaúneche; y por exceso: Valencia N, El Copal y Valencia.

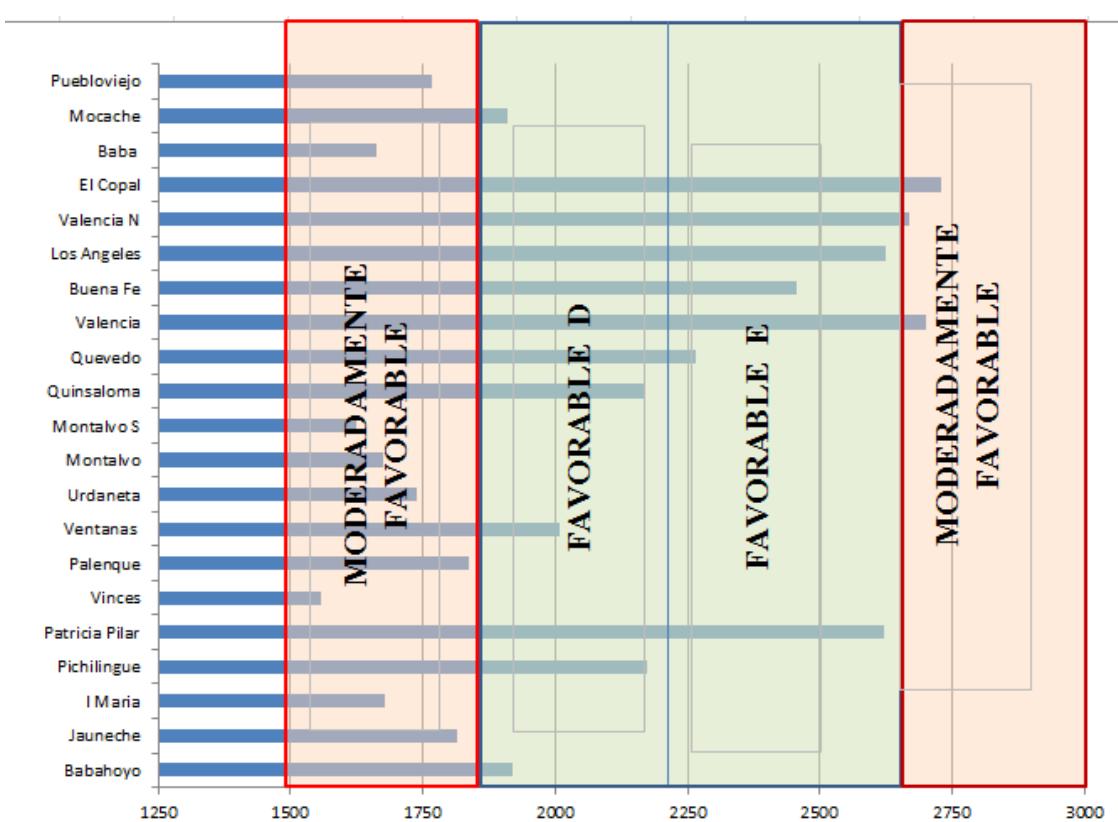


Figura 5. Sumas de precipitaciones anual por sector en la provincia Los Ríos y evaluación de las condiciones de favorabilidad para *O. pyramidale*.

Teniendo en consideración que los requerimientos hídricos de la Balsa fluctúan entre 1500 y 3000 mm anuales (Nota Técnica, 2018), se pueden establecer diferentes rangos de condiciones favorables o no favorables para el período mensual relacionado con el crecimiento y desarrollo de esta especie. De esta forma se definen tres condiciones distribuidos en seis rangos (tabla 4).

Tabla 4. Rangos de sumas de precipitaciones mensuales de acuerdo a las condiciones de favorabilidad para *O. pyramidale*.

CONDICIONES DE PRECIPITACION MEDIA PARA LA BALSA (mm)	
FAVORABLES	156.25 – 218.75
MODERADAMENTE FAVORABLES	125 – 156.25 (por defecto); 218.75 – 250 (por exceso)
NO FAVORABLES	< 125; > 250

En la figura 6, se presenta la condición de favorabilidad en relación con la suma de precipitaciones mensuales que presenta cada sector de la provincia de Los Ríos según su capacidad para satisfacer los requerimientos hídricos de *O. pyramidale*, donde se refleja que los sectores con mejores condiciones para satisfacer los requerimientos hídricos de la balsa son Valencia, Valencia N, Los Ángeles, Patricia Pilar y Buena Fe. Le siguen en esa condición favorable los sectores de Quevedo, Quinsaloma, Pichilingue y Mocache. Característica particular de estos sectores es que presentan condiciones de favorabilidad por defecto.

Los restantes sectores tuvieron condiciones Moderadamente Favorables por defecto igualmente. No se presentan condiciones No Favorables en ninguno de los sectores, lo que indica que las incapacidades pueden ser solventadas razonablemente al contar con servicios ambientales cercanos a los requerimientos de la balsa.

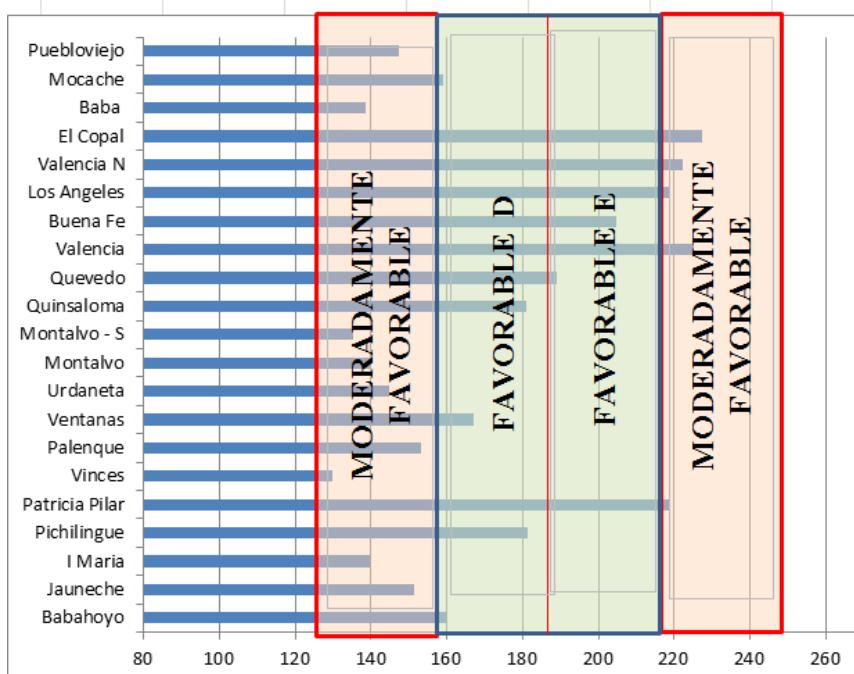


Figura 6. Sumas de precipitación mensual por sector en la provincia Los Ríos y evaluación de favorabilidad para *O. pyramidale*.

En la Figura 7, se presenta el mapa de la suma de precipitaciones mensuales promedios para la provincia Los Ríos según las categorías de satisfacción de las necesidades hídricas definidas en la Tabla 4. Lo primero que puede asaltar a la vista en el mapa es que la categoría de No Favorable no existe. La condición de Moderadamente Favorables se extiende hacia el Sur, desde los sectores Jauneche, Palenque y Ventanas, ocupando el 52.9%. Hacia el Norte quedan los sectores con categoría de Favorables, que alcanzan el 47.1% del territorio. Estos resultados coinciden con las aseveraciones de que la distribución natural geográfica de la Balsa es desde el sur de México hasta Bolivia y va al este recorriendo la gran parte de Venezuela y las Antillas. (Villavelez & Meniado, 1979).

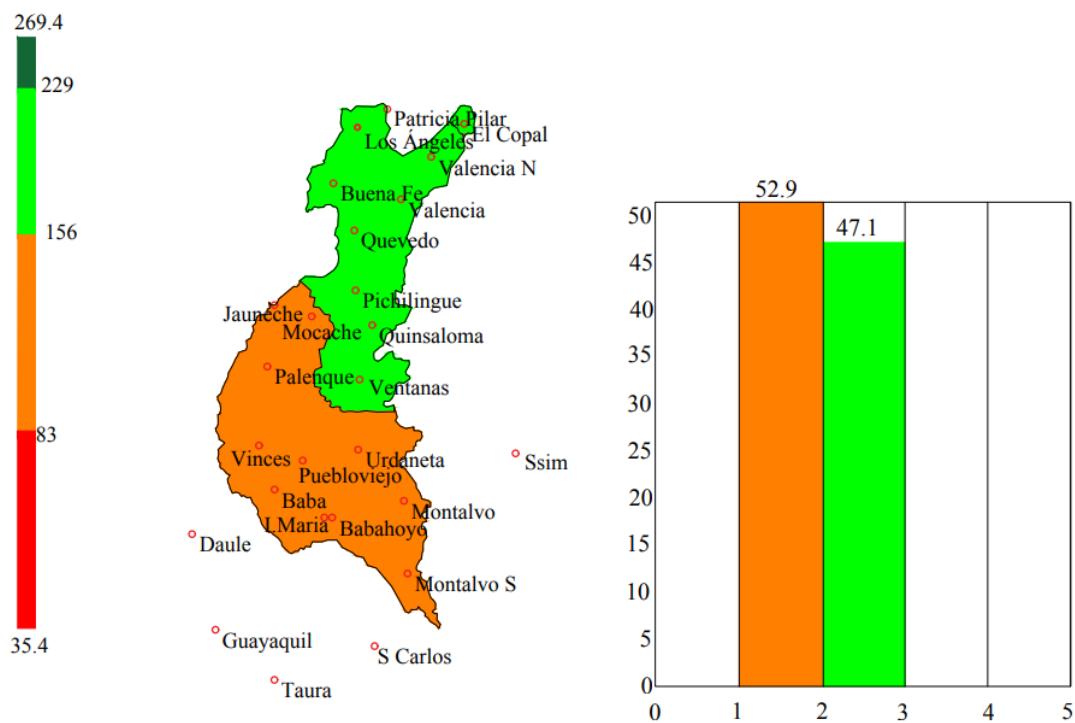


Figura 7. Caracterización de las condiciones de favorabilidad de la suma de precipitaciones mensuales para *O. pyramidale*. en la provincia Los Ríos.

La balsa tolera un amplio rango de sitios y condiciones ambientales pero crece mejor donde los extremos de temperatura y precipitaciones promedios están entre 18 – 35 °C y 1778 – 2286 mm, respectivamente.

4.2. Comportamiento de la suma de precipitaciones anuales para el percentil 25 y 75.

En la figura 8, se presentan los mapas de la suma de precipitaciones para los percentiles 25 y 75 en la provincia Los Ríos. Para el percentil 25 la suma de precipitaciones fluctúa entre 1295.3 y 2364.9 mm, mientras que para el percentil 75 lo hace entre 1706.2 y 3186.7 mm.

Las condiciones de 1295.00 mm, correspondiente al percentil 25, representa la capacidad mínima de precipitaciones anuales con que cuenta la provincia, por lo que se categoriza como No Favorable según los requerimientos de la balsa, alcanzando valores menores en 200 mm del límite mínimo de la condición Moderada. La capacidad máxima de la provincia correspondiente al 75% supera sólo en 200 mm a la categoría de

Moderadamente Favorable, por lo que la probabilidad de que se alcancen valores que produzcan inundaciones superiores a 3000 mm es poca.

En general, las condiciones de riesgo para la balsa de que se produzcan impactos por sequía o por inundaciones es pequeña, por lo que las inversiones en general en la provincia encuentran condiciones que favorecen una producción adecuada.

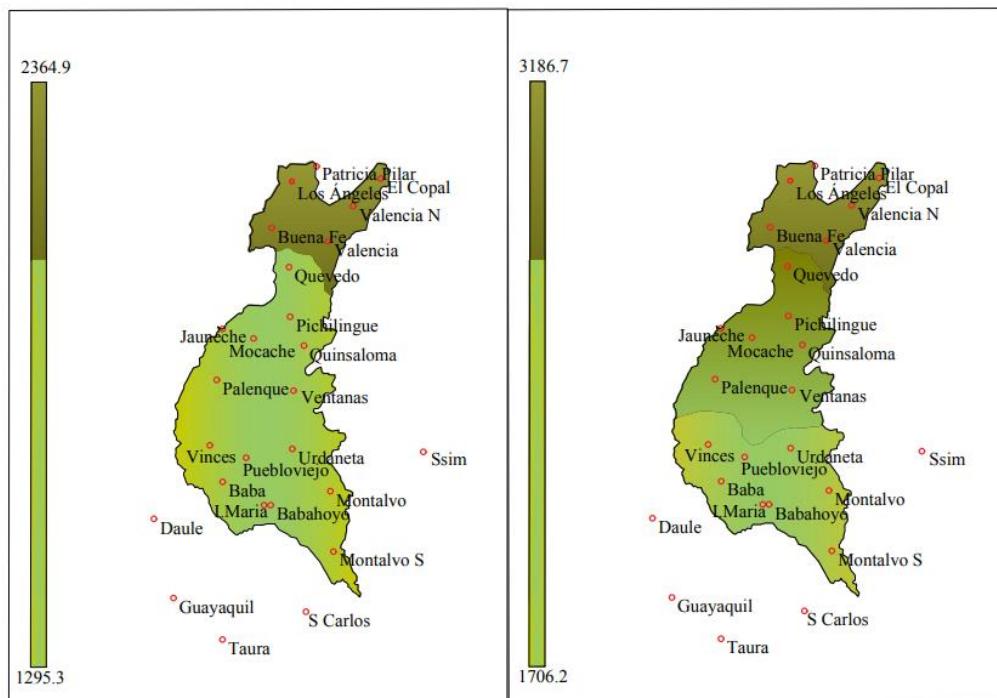


Figura 8. Comportamiento de la suma de precipitaciones anuales para los percentiles 25 y 75% en la provincia Los Ríos.

Los sectores que presentan mejores condiciones para satisfacer los requerimientos hídricos de la balsa son Patricia Pilar, Quevedo, Valencia, Buena Fe, Los Ángeles y Valencia N, todos con sumas de precipitaciones anuales que superan los 1900 mm. Las condiciones menos favorables se localizan en los sectores de Babahoyo, I. María, Vinces, Palenque, Urdaneta, Montalvo, Baba, Mocache y Puebloviejo.

4.3. Caracterización de las temperaturas medias en la provincia Los Ríos y su relación con los requerimientos de *O. pyramidale*.

En la figura 9, se presenta el mapa del comportamiento de la temperatura media en la provincia Los Ríos, la que fluctúa entre 23.1 y 25.3 °C. Estos resultados coinciden con

Higmans et al. (2005) que reporta temperaturas superiores a 22 °C en la provincia Los Ríos. Las tonalidades más claras, coincidentes con los menores valores se localizan hacia el Norte, mientras que las más oscuras se ubican hacia el Sur. Las menores temperaturas se ubican hacia el Norte de la provincia, alcanzando los menores valores en Patricia Pilar, El Copal y Los Ángeles.

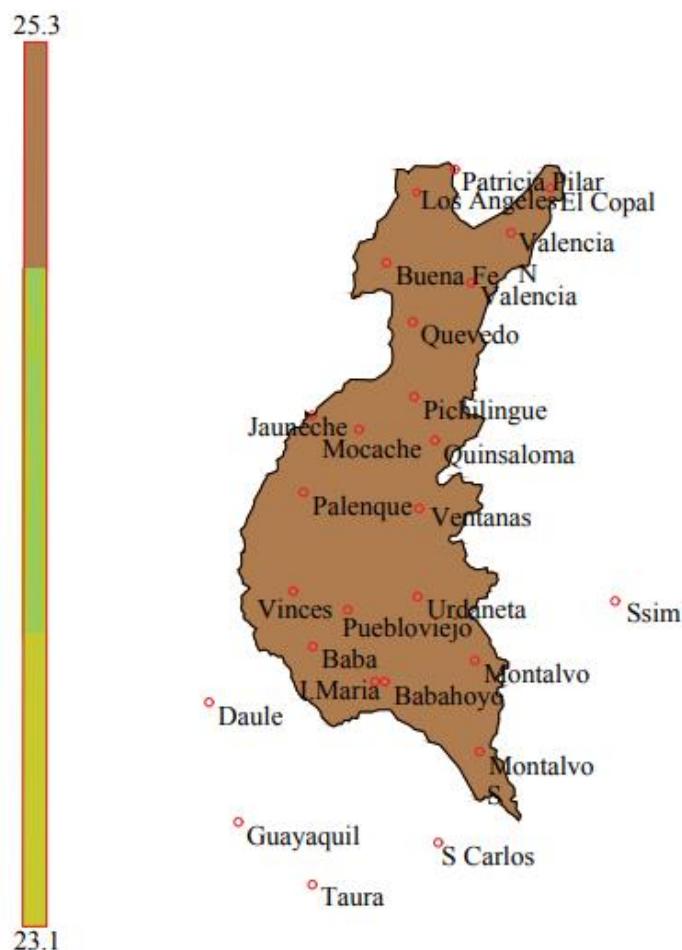


Figura 9. Comportamiento de la temperatura media anual por sector en la provincia Los Ríos.

Teniendo en consideración que los requerimientos térmicos de la balsa fluctúan entre 22 y 27 °C como temperaturas óptimas según Nota Técnica (2018), según estas condiciones se puede dividir en sub rangos de favorabilidad, quedando como muestra la tabla 5.

Tabla 5. Condiciones de favorabilidad de la temperatura media para *O. pyramidale*.

CONDICIONES DE SUMA DE TEMPERATURAS PARA LA BALSA	
FAVORABLES	23.26 – 25.75
MODERADAMENTE FAVORABLES	22 – 23.25; 25.76 – 27
NO FAVORABLES	< 22; > 27

Teniendo en consideración las condiciones de favorabilidad del comportamiento de la temperatura media para la balsa se presenta en la figura 10, la temperatura media vs sectores, donde se muestra que los sectores de Patricia Pilar, Los Ángeles y El Copal están en la categoría Moderadamente Favorable, mientras que los restantes sectores presentan condiciones favorables. Estos resultados coinciden con Villavelez & Meniado (1979), que reporta que la distribución natural geográfica de la Balsa es desde el sur de México hasta Bolivia y va al este recorriendo gran parte de Venezuela y las Antillas. Estas condiciones auguran un buen desarrollo de las poblaciones de Balsa, pues son muchos los estudios basados en observaciones interanuales que indican consistentemente que el crecimiento de los árboles tropicales se reduce en años con temperaturas por encima del promedio anual (Clark & Oberbauer 2010; Dong et al. 2012; Clark, Clark & Oberbauer 2013; Vlam et al. 2014).

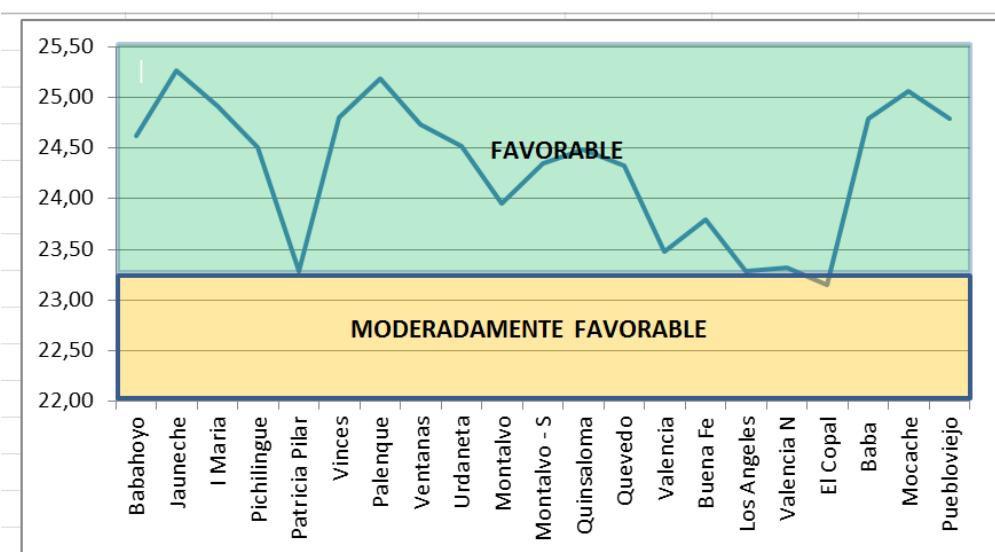


Figura 10. Comportamiento de la temperatura media por sector en la provincia Los Ríos y evaluación de las condiciones de favorabilidad para *O. pyramidale*.

En la figura 11, se presenta el mapa que muestra las condiciones de favorabilidad de la temperatura media para la balsa. Se denota que las categorías que alcanza la provincia Los Ríos son las de favorables para el 90.2% del territorio, que incluye 18 sectores y el de Moderadamente Favorable para el resto de la provincia con un 9,8% del territorio.

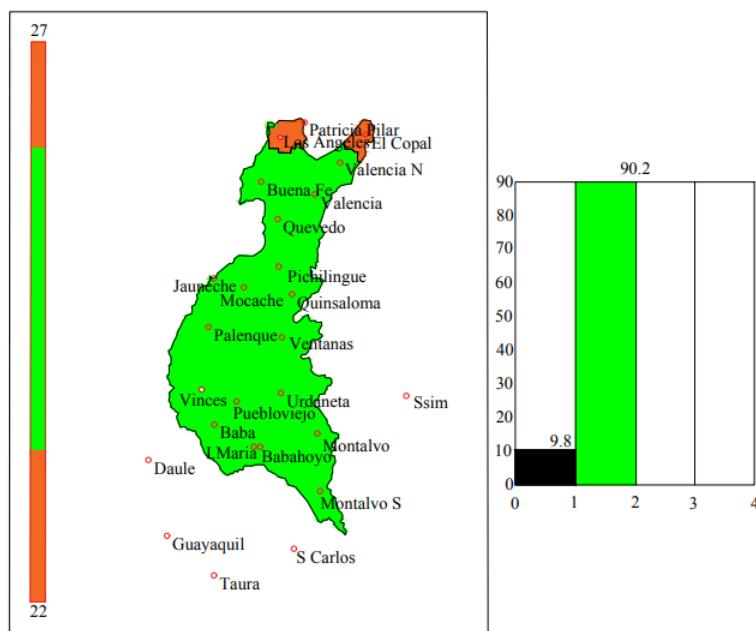


Figura 11. Caracterización de las condiciones de favorabilidad de la suma de la temperatura media anual para *O. pyramidale*.

CAPITULO V

CONCLUSIONES Y RECOMENDACIONES

5.1 CONCLUSIONES

1. Los mayores acumulados de precipitaciones anuales se encuentran hacia el Norte de la provincia. Los sectores más favorecidos son Patricia Pilar, Los Ángeles, Valencia N, Buena Fe y Valencia con precipitaciones anuales y mensuales que fluctúan entre los rangos 2456.97 - 2729.52 mm y 204.75 – 227.46 mm, respectivamente. Los menores acumulados se encuentran hacia el Sur en los sectores de Vinces, Urdaneta, Baba y Montalvo, con precipitaciones anuales y mensuales que fluctúan en los rangos 1559.24 – 1838.3mm y 129.94 – 153.19mm, respectivamente.
2. Las temperaturas más altas se ubican hacia el sur de la provincia, alcanzando los mayores valores en Babahoyo, Baba, Vinces, Palenque, Ventanas, Mocache y Puebloviejo con temperaturas medias superiores a 24,5 °C.
3. De los 21 sectores estudiados, 8 (38%) presentan condiciones favorables para el desarrollo de la balsa en relación con la suma de precipitaciones anuales. Los sectores son: Babahoyo, Pichilingüe, Ventanas, Quinsaloma, Quevedo, Buena Fe, Los Ángeles y Mocache. Los sectores restantes se ubican en los Moderadamente Favorables con un 62% del territorio. Las condiciones No Favorables no se presentan en el territorio. Resultados similares se presentan en la suma de precipitaciones mensuales, con diferencias poco significativas.
4. Los resultados del Percentil 25 para la suma de precipitaciones anuales de 1295 mm se ubica en las condiciones No Favorables, con valores 200 mm por debajo del límite mínimo de las condiciones Moderadas, por lo que se puede afirmar que la provincia presenta condiciones medianamente probables para eventos de sequía. Por otro lado, el Percentil 75 supera en 180 mm al requerimiento máximo de la balsa, lo que la hace poco probable de alcanzar esa condición.
5. La mayoría de los sectores de la provincia Los Ríos, con un total de 18 sectores, que representan el 90,2% del total, ostentan la categoría de Favorables para la balsa. El resto de la provincia se categoriza como Moderadamente Favorable, lo que la hace apta para el desarrollo de esta especie en relación con el comportamiento de las temperaturas medias anuales.

5.2 RECOMENDACIONES

1. Extender estudios similares hacia otras provincias dedicadas a la explotación de las áreas forestales.
2. Realizar estudios dirigidos a evaluar la vulnerabilidad de la balsa a las plagas en función de las condiciones climáticas imperantes en la provincia Los Ríos.
3. Desarrollar estudios agroecológicos acerca de la modelación del sistema forestal que incluya otras variables climáticas y los suelos para el pronóstico de la producción de *O. pyramidale*.

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ANEXOS

Anexo 1. Resultado del URKUND

Quevedo, 28 de mayo del 2020

Dr. Carlos Belezaca

COORDINADOR DE LA MAESTRÍA EN MANEJO FORESTAL SOSTENIBLE

Presente.-

De mi consideración:

La presente es con el objeto de poner a vuestra consideración el informe emitido por el sistema, de la herramienta anti plagio URKUND del Proyecto de Investigación de la Maestría en Manejo Forestal Sostenible titulada “**CONDICIONES HIDROTÉRMICAS RELEVANTES PARA LA ZONIFICACIÓN DE PLANTACIONES DE BALSA (*Ochroma pyramidale* (Cav. ex Lam.) Urb.) EN LA PROVINCIA DE LOS RÍOS**” del Ing. Carlos Alberto Pincay Parrales.

Como directora de la tesis certifico que este trabajo de investigación ha cumplido con los parámetros establecidos en el Reglamento de Postgrado (4%), para cuyo efecto estoy adjuntando la captura de pantalla emitida por el URKUND.



Urkund Analysis Result

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https://es.wikipedia.org/wiki/Provincia_de_Los_R%C3%ADos

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11

Por la atención que sirva dar a la presente me suscribo de usted.

A handwritten signature in blue ink, appearing to read "Yarelys Ferrer".

PhD. Yarelys Ferrer Sánchez

DIRECTORA DE TESIS

Anexo 2. Precipitaciones por estaciones en la provincia de Los Ríos empleadas para el análisis espacial y temporal de la favorabilidad de condiciones para (*Ochroma pyramidale* (Cav. ex Lam.) Urb.) (balsa).

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																							
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
Babahoyo	1	86.1	80.3	108.6	125.5	133.8	122.8	172.4	131.3	157.8	127.4	105.1	139.0	80.7	54.2	60.4	42.4	0.0	48.7	11.6	0.0	9.1	0.0	22.7	9.7	11.0	0.0	22.1	0.0	0.0	17.0	0.0	29.8	0.0	7.8	0.0	31.6		
	2	107.9	100.3	93.8	151.3	121.6	115.1	113.5	117.1	161.8	144.5	106.0	100.3	63.5	31.2	37.2	16.3	34.1	30.2	9.8	0.0	3.4	0.0	13.9	0.0	0.0	0.0	6.2	4.4	10.2	0.0	3.6	31.1	15.1	43.2	0.0	7.8		
	3	68.5	117.5	85.2	166.3	112.3	144.0	119.1	139.7	169.3	96.2	147.0	110.7	44.0	76.5	55.0	1.1	26.7	25.3	4.3	5.2	13.1	10.2	23.4	21.8	9.0	14.8	5.5	0.0	0.0	16.7	6.6	27.6	0.0	0.0	24.0	29.		
	4	92.8	78.9	87.4	111.3	150.9	143.2	150.7	154.9	161.7	102.3	127.9	145.4	85.0	67.2	74.0	0.0	29.1	47.6	0.0	11.4	0.0	0.0	0.0	24.3	22.6	16.2	0.0	0.0	0.0	0.0	0.0	11.8	22.5	6.0	14.6	12.2	5.6	
	5	85.7	87.8	66.9	125.8	150.7	125.3	163.1	171.0	165.9	136.8	111.3	150.0	38.0	34.3	77.4	20.5	25.6	46.4	0.0	29.8	16.5	0.0	0.0	2.4	0.0	0.0	26.8	5.5	12.2	0.0	2.9	0.0	3.1	35.3	18.2	10.6		
	6	99.1	89.7	94.2	130.2	106.8	148.9	119.5	150.8	165.2	122.8	138.2	123.2	53.1	77.5	63.5	10.4	46.3	26.9	0.0	0.0	0.0	16.7	29.2	8.8	0.0	0.0	0.0	10.8	0.0	23.3	25.2	9.1	16.6	38.9	0.0	0.0		
	7	100.3	94.8	70.8	110.4	116.6	143.9	133.9	132.6	135.5	133.0	141.5	141.8	61.9	67.0	78.2	43.0	0.0	26.8	1.4	0.0	0.0	23.4	0.0	0.0	6.0	0.0	4.4	0.0	0.0	0.0	21.8	0.0	0.0	35.0	41.4	35.0		
	8	102.4	94.7	79.4	157.8	120.2	158.3	127.2	128.4	146.0	152.4	96.6	98.2	61.8	55.9	36.0	4.5	42.5	3.0	0.0	0.0	33.1	0.0	0.0	0.0	26.4	0.0	0.0	29.2	22.7	5.4	23.9	14.9	11.5	3.2	0.0			
	9	89.3	115.1	81.7	120.9	141.6	121.8	154.5	170.2	139.6	146.8	93.8	149.8	66.4	77.5	64.9	0.0	2.3	12.0	0.0	2.3	0.0	11.7	23.4	0.0	20.2	11.3	13.0	20.6	4.3	13.6	0.0	14.7	17.0	34.3	0.0	39.8		
	10	96.4	100.2	62.9	139.6	163.3	110.0	129.9	122.2	172.4	130.5	110.9	148.7	52.4	72.0	43.5	0.0	3.4	20.3	31.4	0.0	31.4	0.0	0.0	19.0	0.0	30.0	18.1	24.7	0.0	0.0	0.0	18.4	0.0	11.9	6.3	47.2		
	11	60.1	72.9	69.1	121.3	115.7	143.7	166.6	169.8	125.2	140.1	132.1	132.7	84.9	57.7	85.6	28.9	0.0	27.2	11.4	2.5	33.8	4.6	6.8	4.3	0.0	0.0	0.0	20.2	0.0	0.0	0.0	8.8	0.0	0.0	0.0			
	12	96.4	85.0	94.0	148.3	132.9	147.5	137.2	163.6	149.0	105.3	150.3	145.9	53.8	89.6	41.5	42.7	23.5	15.5	14.9	19.7	0.0	0.0	0.0	0.0	25.3	14.2	15.3	26.2	0.0	0.0	27.6	0.0	0.0	21.9	8.9	31.7		
	13	102.5	102.0	102.1	114.8	118.5	122.8	154.3	168.1	135.5	124.4	99.9	147.8	42.5	61.4	69.6	15.3	30.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	13.0	15.9	0.0	15.0	10.3	12.6	20.3	0.0	20.4
	14	60.8	116.3	85.6	164.6	150.1	138.3	154.2	155.0	135.8	116.7	96.3	141.9	40.5	34.0	49.0	36.1	1.8	8.3	6.3	0.0	3.6	2.6	8.5	17.6	0.0	0.0	22.1	29.0	9.8	32.3	0.0	7.1	25.1	10.9	6.1	4.7		
	15	59.4	94.5	81.3	107.6	108.3	133.8	164.9	169.6	137.6	137.0	130.0	141.8	82.9	65.3	66.0	0.0	36.6	16.7	12.7	12.6	11.4	21.1	12.5	0.0	0.0	0.0	0.0	18.7	0.0	25.5	0.0	16.9	25.4	41.3	0.0			
	16	89.9	111.9	104.6	164.4	118.3	160.5	161.3	170.6	164.4	146.8	131.1	104.5	67.3	46.2	45.4	32.9	36.3	0.0	20.1	6.1	0.0	20.5	23.4	0.0	0.0	5.9	0.0	18.2	0.0	16.1	33.0	0.0	12.2	29.2	0.0	0.0		
	17	74.3	98.4	108.1	139.8	128.7	153.2	127.4	151.7	127.3	105.6	151.6	110.2	31.7	76.5	39.4	0.0	0.0	9.9	15.9	0.0	2.1	0.0	0.0	4.8	13.5	0.0	11.0	25.0	4.6	6.7	0.0	1.3	0.0	13.3	39.5	16.9		
	18	63.0	91.7	100.3	153.1	158.3	157.5	131.0	165.3	152.1	138.1	143.1	139.3	82.7	84.8	85.1	20.3	15.4	0.0	0.0	26.6	2.9	0.0	0.0	11.6	18.0	0.0	0.0	0.0	0.0	13.5	20.9	0.0	0.0	0.0	8.4	0.0	46.4	
	19	96.6	61.0	112.6	144.7	132.4	107.7	128.0	137.0	152.7	140.3	94.7	142.9	38.6	68.4	63.4	48.0	16.8	1.9	0.0	24.1	0.0	0.9	8.6	0.0	30.6	16.9	0.0	0.0	15.1	32.4	19.9	11.8	10.6	44.4	29.0	5.1		
	20	91.8	75.2	90.7	149.2	121.2	139.3	143.0	170.6	153.6	139.2	130.7	120.1	78.3	75.1	89.7	1.3	26.8	43.6	12.7	32.3	7.6	1.5	0.0	25.5	28.0	0.0	0.0	0.0	0.0	16.3	28.9	10.8	0.0	11.8	0.0	21.0	20.3	
	21	84.6	61.5	117.5	114.1	142.5	109.5	123.8	153.1	133.4	112.3	132.6	118.0	56.0	43.6	71.0	0.0	18.9	19.5	25.4	3.3	0.0	0.0	0.0	0.0	21.2	15.6	25.0	11.0	11.5	3.3	17.4	17.6	30.8	15.6	9.5	0.0		
	22	112.1	107.1	85.1	113.0	158.6	152.1	115.8	138.4	169.6	97.4	103.2	106.0	37.3	65.8	37.4	26.1	23.8	30.4	21.1	32.2	17.4	0.0	20.6	0.0	31.4	17.9	0.0	0.0	0.0	0.0	8.2	0.0	30.9	0.0	0.0	10.6	5.9	
	23	65.0	69.7	60.5	152.7	152.1	159.3	113.6	140.4	139.0	141.4	121.0	123.0	75.3	44.6	63.9	0.0	44.3	42.6	28.6	0.0	6.7	10.0	16.9	17.5	0.0	26.1	19.1	0.0	5.6	0.0	4.7	20.8	15.6	0.0	31.6	20.9		
	24	112.6	110.3	105.6	124.8	130.1	135.4	116.6	152.6	113.5	139.4	138.7	106.5	39.6	33.8	70.6	0.0	9.8	30.9	25.1	3.4	36.1	10.2	0.0	0.7	24.0	0.0	0.0	0.0	27.5	0.0	0.0	22.2	0.0	36.5	2.1			
	25	111.7	73.2	73.9	118.9	120.2	157.2	165.9	166.7	164.1	129.9	95.8	103.8	41.4	51.7	57.3	0.1	42.7	26.4	10.0	31.9	8.6	15.9	32.1	30.3	23.6	22.0	0.0	0.0	0.0	0.0	31.8	17.8	16.3	0.0	26.4	36.4		
	26	101.9	106.9	65.3	149.6	128.9	145.4	168.4	166.8	115.4	139.7	120.3	93.8	44.0	55.4	39.7	44.1	19.1	3.6	22.5	31.6	0.0	0.0	18.4	0.0	4.9	19.9	22.7	0.0	4.8	32.0	25.5	12.1	0.0	36.4	9.9	9.7		
	27	59.9	91.5	81.7	113.6	125.9	160.4	125.5	169.9	120.9	144.3	147.0	120.1	43.7	68.4	63.9	26.4	14.4	0.0	29.1	0.0	0.0	0.0	13.0	5.8	29.1	8.0	18.9	0.0	21.5	16.8	0.0	4.3	0.0	0.0	32.6	7.7		
	28	111.9	85.5	103.8	109.5	144.3	107.9	154.4	171.6	143.5	135.7	109.3	142.7	69.1	66.2	46.2	39.7	16.6	33.9	0.0	0.0	5.8	9.7	0.0	0.0	0.0	0.0	7.4	25.5	0.0	0.0	28.3	0.0	5.3	0.0	46.1	39.6	13.9	
	29	99.8	77.8	93.9	136.4	140.0	108.8	136.1	127.4	169.7	144.9	151.2	129.9	65.4	34.9	54.8	7.3	18.9	0.0	29.7	0.0	24.1	28.1	7.4	0.0	0.0	5.2	24.0	0.0	0.0	16.1	25.3	0.0	0.0	14.5	41.1	22.1		
	30	59.5	117.5	61.3	143.6	121.9	116.6																																

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																								
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
Jauneche	1	105.2	59.2	100.9	151.4	130.1	129.2	152.6	152.5	129.3	145.1	101.4	90.4	37.2	38.2	47.0	32.5	2.1	38.7	0.0	16.6	0.0	0.0	7.1	0.0	0.0	11.9	29.9	0.0	25.1	0.0	29.0	12.2	0.0	8.1	12.4	22.6			
	2	71.5	67.3	60.3	99.3	134.4	142.3	157.1	165.7	118.3	116.6	123.2	142.5	40.2	58.6	66.8	37.1	39.4	34.6	9.5	0.0	19.9	0.0	3.5	12.0	0.0	30.9	0.0	0.0	12.9	0.0	0.0	0.0	0.0	2.6	41.9	36.1			
	3	57.3	82.7	57.8	149.1	98.0	126.0	174.1	151.4	169.2	111.8	111.5	112.1	61.7	71.3	78.4	2.7	0.0	22.1	0.0	12.4	0.0	27.5	7.1	0.0	0.0	0.0	9.3	20.0	0.0	0.0	0.0	0.0	0.0	39.7	41.4	9.8			
	4	66.0	87.4	81.9	151.1	118.3	114.6	142.4	140.4	151.8	139.1	107.6	110.9	78.8	53.0	47.7	21.6	31.5	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	8.8	0.0	0.0	21.0	0.0	31.4	0.0	0.0	21.9	7.1				
	5	54.9	88.1	99.4	99.3	149.6	114.6	170.7	148.4	130.9	105.6	115.9	106.1	47.5	67.9	72.4	8.9	11.1	28.4	17.0	0.0	0.0	15.8	21.2	9.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	26.7	0.0	0.0	0.6	11.5	2.2	
	6	70.4	66.5	64.6	112.6	96.9	122.3	174.2	165.1	144.0	141.2	98.4	116.1	50.8	64.1	37.8	40.8	2.3	3.6	22.1	22.0	10.9	18.2	0.0	0.0	0.0	28.5	23.1	3.0	14.1	0.0	27.1	2.0	0.0	39.8	0.0	8.1			
	7	76.9	92.0	84.6	118.2	101.3	149.9	122.3	118.3	171.3	112.0	132.0	98.9	29.2	48.0	62.8	16.9	34.3	35.0	0.0	3.3	24.9	0.0	28.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	8.0	16.5	8.8	31.3	37.5		
	8	108.2	108.7	103.8	108.2	99.2	96.7	170.7	126.6	170.0	108.9	143.8	110.2	42.6	63.2	75.1	8.3	11.4	25.5	0.0	2.3	5.0	18.6	18.2	15.4	1.3	21.2	5.6	0.0	0.0	0.0	26.5	17.9	0.0	8.1	3.9	10.5			
	9	57.4	105.9	69.0	116.6	101.5	144.1	153.4	163.7	129.4	114.3	132.4	113.2	60.4	70.2	33.5	5.0	42.3	27.5	0.0	24.5	0.0	15.2	0.0	0.0	0.0	5.2	6.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	39.5		
	10	84.2	70.2	112.1	146.5	100.2	109.7	159.2	145.4	135.1	108.1	118.6	135.3	53.5	27.2	71.7	18.5	0.0	15.9	29.4	16.4	1.8	0.0	25.4	3.8	0.0	24.5	11.4	0.0	2.4	0.0	0.0	5.3	19.5	13.1	41.7	35.0			
	11	81.6	75.5	80.3	127.2	115.2	129.9	150.5	146.1	166.8	98.8	88.5	94.3	25.6	36.2	38.2	10.1	27.4	12.0	0.0	5.9	24.1	18.9	0.0	25.7	0.0	0.0	8.3	0.0	28.6	4.2	0.0	0.0	0.0	43.3	26.2	0.5			
	12	55.5	85.7	108.0	131.1	106.2	116.7	174.3	123.6	141.3	117.5	107.5	107.1	59.8	37.9	40.2	17.3	38.6	14.1	0.0	13.5	1.0	5.8	0.0	25.6	0.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	21.6	2.0	18.1	29.7	16.0
	13	91.8	60.3	102.9	114.6	144.3	123.4	174.1	141.0	160.3	124.7	109.8	135.4	73.0	27.0	66.7	7.3	0.0	33.9	19.9	0.0	7.0	0.0	0.0	16.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	11.8	14.1	30.7	29.1	0.0		
	14	73.7	110.1	73.2	111.0	102.6	114.6	134.1	174.0	131.7	103.2	124.4	132.1	57.3	39.1	64.8	5.9	27.8	0.0	15.0	11.0	0.0	13.8	0.0	2.4	23.4	7.5	1.8	0.0	12.0	5.1	0.0	6.8	18.0	0.0	0.0	23.5			
	15	98.1	71.0	100.8	141.8	135.3	110.3	149.4	141.6	123.9	110.7	93.6	126.9	32.7	63.6	62.4	29.3	38.0	30.3	7.4	0.0	0.0	14.6	28.9	1.4	0.0	19.7	8.6	0.0	1.0	31.6	0.0	28.7	4.5	28.4	25.2				
	16	63.0	108.7	81.2	130.5	95.9	131.3	161.3	123.8	155.9	99.6	101.6	130.6	81.3	67.3	75.4	18.1	38.2	36.8	10.1	16.2	16.8	0.0	15.9	0.0	0.0	8.8	14.8	21.3	24.5	0.0	0.0	8.6	1.9	17.9	36.0	25.4			
	17	74.1	88.5	75.5	136.8	97.8	98.6	176.1	120.5	141.1	94.3	112.2	113.3	39.0	49.7	36.4	1.4	23.6	38.3	25.4	0.4	0.0	0.0	28.1	15.0	0.0	15.1	8.1	9.1	25.0	12.6	0.0	0.0	4.4	33.3	24.7	0.0			
	18	84.3	81.2	111.1	144.9	134.0	107.4	124.0	133.5	145.1	123.3	90.8	110.5	30.1	81.5	66.4	0.0	0.0	25.9	30.0	15.4	18.0	0.0	11.4	7.6	11.6	29.9	0.0	25.8	23.1	9.5	25.3	6.9	0.0	44.0	25.1	6.9			
	19	64.7	91.0	103.2	132.2	143.1	119.2	175.3	156.4	159.3	91.3	135.5	131.5	80.1	72.0	41.6	0.0	0.0	3.2	29.5	23.3	0.0	0.0	22.4	0.0	0.0	27.1	16.9	0.0	0.0	5.4	10.2	28.3	16.3	34.5	14.3	23.7			
	20	111.7	91.1	73.6	118.1	129.6	133.6	146.5	156.9	133.6	94.1	91.8	96.1	49.8	33.8	61.0	36.2	1.7	33.9	10.6	27.6	0.0	0.0	0.8	12.7	14.0	0.0	0.0	0.9	28.9	0.0	0.0	0.0	3.8	10.6	37.7	39.7			
	21	97.5	87.4	57.5	104.0	150.9	118.0	155.5	160.0	170.5	137.1	141.3	116.1	51.3	65.7	67.5	8.6	29.6	2.2	0.0	0.0	22.1	16.0	0.0	0.0	0.0	9.4	17.6	0.0	0.0	1.7	17.3	6.2	11.9	32.2	48.0				
	22	77.9	70.4	106.3	127.6	128.4	113.3	164.7	166.4	165.5	112.6	92.7	124.8	80.6	63.5	52.4	0.0	19.3	0.1	24.5	0.0	31.9	19.7	0.0	0.0	0.0	11.3	27.3	25.6	0.0	17.4	4.1	28.9	26.9	29.1	0.0	7.0			
	23	71.3	100.7	69.6	109.8	113.6	146.4	165.7	132.1	136.7	101.3	144.0	102.3	77.7	71.0	29.3	19.8	0.0	8.1	0.0	20.1	26.5	0.0	0.0	15.7	14.9	5.5	4.9	0.0	0.0	0.0	18.5	0.0	0.0	9.6	0.1	22.3			
	24	73.6	97.7	89.4	126.9	147.1	131.6	159.4	151.9	122.1	105.1	88.8	133.0	81.5	57.1	41.1	13.9	0.0	16.2	0.0	6.2	0.0	1.6	11.3	14.0	14.2	8.9	0.0	28.7	15.4	0.0	0.0	2.5	0.0	48.4	18.3	37.4			
	25	90.2	99.7	90.2	142.0	109.9	151.3	168.0	137.6	127.1	94.2	144.1	145.0	57.4	29.9	27.3	5.5	9.4	11.3	17.0	21.1	9.0	23.1	4.7	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.1	19.1	23.3	14.8	17.5	47.0	
	26	57.3	100.5	72.0	123.4	105.9	132.1	134.8	128.0	168.8	115.5	137.1	141.1	57.4	32.6	49.3	26.0	33.9	43.5	30.5	4.2	0.0	0.0	5.5	22.1	7.5	8.1	6.8	0.0	18.8	0.0	24.8	0.0	29.9	0.0	16.0	11.7			
	27	75.4	54.6	73.0	105.4	138.7	121.7	121.5	169.8	141.1	121.1	113.9	129.2	56.4	57.4	58.6	0.0	8.1	31.4	27.0	7.1	21.5	18.4	27.1	16.8	0.0	9.7	2.9	22.0	21.0	15.4	13.7	9.5	0.0	42.8	48.9	22.7			
	28	69.3	89.5	94.2	130.4	148.5	125.8	133.8	147.7	129.8	139.0	97.8	96.6	65.4	63.6	55.8	22.5	44.3	44.5	9.1	4.2	4.8	0.0	20.4	23.9	5.1	0.0	0.0	27.3	20.5	0.0	0.0	23.2	0.0	36.1	0.0	10.7			
	29	55.4	58.9	76.1	93.4	106.5	126.6	161.5	138.6	143.6	94.6	136.2	111.0	41.9	77.8	58.1	19.1	37.1	20.3	0.0	0.0	0.0	8.4	10.1	10.2	17.3	2.1	2.8	0.0	0.0	0.3	30.8	25.1	0.0	0.0	0.0	14.3			
	30	73.0	108.9	103.1	126.5	121.9	116.1	171.6	148.4	124.5	138.2	112.3	131.9	81.4	36.6	25.0	13.3																							

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																									
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
Imaria	1	100.0	75.8	72.5	128.7	108.7	116.6	119.2	97.8	103.5	113.0	98.1	92.2	80.3	61.3	39.8	34.2	0.0	30.4	16.7	6.9	0.0	6.1	26.7	21.2	16.8	0.0	11.1	0.0	0.0	22.2	14.3	0.0	0.0	34.4	0.0	0.0				
	2	84.2	85.1	88.6	104.6	119.3	130.5	145.6	106.0	116.1	132.5	108.3	95.0	52.6	66.3	81.5	7.1	0.0	37.0	19.4	0.0	17.0	0.0	0.0	6.1	0.0	0.0	18.3	0.0	0.0	0.0	0.0	0.0	0.0	4.3	26.2	14.9				
	3	64.0	87.7	100.3	102.8	124.1	139.5	141.5	142.7	133.3	108.9	89.2	116.4	51.8	63.5	28.4	0.0	20.7	28.8	15.4	23.5	26.4	21.5	0.0	9.9	0.0	11.1	21.9	27.3	16.7	0.0	0.0	24.2	7.5	0.0	33.7	0.0				
	4	93.0	85.6	65.2	118.7	132.0	105.8	121.3	115.6	127.6	106.3	93.4	91.3	76.0	38.8	64.5	4.0	0.0	33.9	0.0	12.1	11.9	1.1	9.9	12.5	0.0	18.9	3.5	0.0	0.0	8.1	15.7	0.0	0.2	0.0	26.8	32.2				
	5	81.4	87.1	76.0	134.5	135.2	103.1	111.8	132.9	139.7	104.6	112.6	115.7	76.3	32.9	36.6	30.5	26.4	0.0	18.5	0.0	28.8	13.4	0.0	13.8	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.0	24.3			
	6	101.9	100.9	91.4	134.0	98.2	90.9	116.4	139.4	125.1	96.1	89.4	98.5	75.8	60.9	49.0	32.8	37.6	28.4	3.8	0.8	21.5	0.0	0.0	23.5	15.9	20.9	3.5	0.0	0.0	18.7	19.8	15.8	0.0	4.2	0.0	17.2				
	7	83.0	104.9	63.1	99.2	107.3	111.5	143.8	102.3	122.2	118.5	115.9	132.2	51.3	44.1	60.3	32.4	29.5	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.9	0.0	26.2	0.0	24.3	5.7	0.0	31.1	28.5	6.2			
	8	102.4	76.8	89.9	90.8	110.6	117.9	117.9	128.7	146.2	102.0	128.3	135.7	76.1	30.4	57.3	25.0	13.4	19.5	0.0	0.0	9.6	0.0	0.0	0.0	21.7	0.0	2.9	0.0	0.0	6.7	0.0	0.0	18.6	6.6	0.0	20.6				
	9	71.5	96.7	91.1	113.2	88.6	107.4	149.4	137.3	142.2	122.8	84.8	127.3	70.3	42.8	61.5	21.3	25.5	4.6	3.0	18.7	0.0	8.5	27.0	0.0	0.0	0.0	13.4	16.7	26.4	0.0	22.2	0.0	0.0	29.8	0.0	4.1				
	10	76.4	74.7	69.0	133.2	138.2	90.1	131.7	117.5	146.0	86.4	96.3	106.3	80.8	46.2	49.0	26.8	7.6	34.6	14.2	18.2	3.5	27.6	0.0	4.3	0.0	22.3	11.2	26.4	9.9	0.0	20.1	0.0	0.0	35.8	0.9	20.4				
	11	59.9	73.5	82.6	113.8	138.4	139.3	101.9	119.7	135.2	128.3	110.1	100.7	65.5	66.9	52.7	8.7	0.0	12.9	0.0	0.0	30.4	3.1	0.0	10.1	4.9	0.0	0.0	21.5	25.2	0.0	0.0	0.0	25.4	0.0	17.4	8.1				
	12	57.7	86.4	92.4	111.4	131.3	106.7	116.1	102.9	144.9	114.4	110.3	107.8	51.8	45.6	48.3	30.9	6.0	9.9	8.3	0.0	0.0	0.0	6.3	0.0	3.6	25.6	0.0	14.9	16.5	14.0	19.6	9.6	0.0	37.2	38.7					
	13	96.9	79.9	80.3	138.3	129.3	103.1	119.7	116.4	129.1	114.9	114.3	110.0	68.6	47.5	53.0	18.7	0.0	28.9	0.0	3.1	9.5	0.0	20.4	0.0	0.0	18.4	13.7	9.4	0.0	0.0	0.0	0.0	22.1	30.3	0.0	32.8				
	14	67.5	68.5	70.1	104.6	106.8	100.5	108.7	143.5	144.3	128.6	128.7	107.6	81.5	35.4	37.2	29.8	2.1	0.0	29.7	0.0	5.4	16.0	0.0	0.0	4.6	12.6	0.0	25.6	26.0	0.0	22.8	0.0	0.0	9.9	12.9	0.0				
	15	58.4	71.3	80.3	130.0	115.4	129.6	103.1	134.6	122.5	129.9	92.2	136.4	80.1	43.3	79.1	10.6	5.4	0.0	28.2	0.1	0.0	14.8	7.6	0.0	2.1	23.0	10.9	25.7	5.9	0.0	24.3	18.3	19.4	33.3	6.4	2.6				
	16	83.0	89.9	61.1	97.0	106.8	122.3	120.3	146.0	128.5	103.4	127.5	105.7	64.1	63.3	42.5	21.9	32.4	11.6	4.9	1.1	17.6	0.0	10.9	10.6	0.0	21.3	16.8	8.4	0.0	0.0	22.7	21.1	0.0	12.3	0.0	6.4				
	17	59.8	65.3	59.2	124.5	94.8	125.6	98.1	98.6	103.9	125.1	117.1	117.8	77.7	55.3	61.3	21.2	15.2	0.0	25.7	17.0	10.2	8.7	14.7	24.2	0.0	26.6	20.9	0.0	0.0	19.3	6.6	14.5	22.4	2.2	0.0	18.6				
	18	92.2	59.6	77.9	140.2	137.0	98.3	114.5	137.9	99.4	99.4	97.7	90.9	40.9	35.0	42.7	23.6	31.3	25.3	24.0	20.8	21.4	15.6	0.0	27.2	6.5	12.9	13.4	0.0	4.5	15.5	0.0	0.0	9.4	32.1	2.3	22.6				
	19	100.8	86.0	87.6	122.1	124.0	121.4	106.2	98.8	102.9	121.6	115.3	94.4	57.9	60.3	61.0	0.0	14.5	23.2	0.0	17.0	9.4	16.0	23.2	0.0	3.8	0.0	0.0	23.5	0.0	0.0	22.5	0.0	0.0	1.6	22.0	18.1				
	20	76.5	101.2	82.4	96.4	138.7	128.2	128.3	120.1	145.8	111.1	128.9	110.0	45.9	72.5	67.9	36.0	40.2	0.0	30.6	28.0	0.0	0.0	0.0	0.0	7.8	3.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.9	30.7				
	21	64.3	61.7	103.4	127.5	93.5	92.1	141.7	114.6	115.9	114.1	98.7	95.3	58.2	53.0	40.9	0.0	28.3	18.4	0.0	0.0	0.0	14.9	0.0	20.9	0.0	0.0	23.5	12.8	12.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	25.1	26.1	0.0	24.0
	22	78.2	80.3	70.4	134.2	100.6	96.1	105.6	139.4	117.9	134.3	99.1	130.6	37.3	78.1	67.2	17.2	22.4	41.2	25.7	28.8	4.7	8.6	7.6	0.0	26.0	16.1	9.1	7.8	0.0	4.9	5.9	0.0	0.0	10.0	1.5	0.0				
	23	68.3	102.4	92.2	88.7	123.2	105.1	108.0	117.0	117.5	88.5	112.5	84.1	52.2	39.5	41.4	35.3	0.0	0.0	19.5	0.0	8.5	0.0	0.0	0.0	15.7	1.2	13.3	11.2	19.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	11.3			
	24	90.2	99.3	80.9	111.2	97.4	88.2	137.3	101.5	136.3	134.4	91.9	123.9	76.0	52.3	75.2	22.1	31.3	40.1	0.0	0.0	5.5	16.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	1.7	0.0	19.8		
	25	103.8	91.3	87.7	110.4	137.4	101.3	135.3	124.7	106.3	99.8	107.8	125.1	37.9	39.0	71.3	4.2	14.4	33.1	26.4	30.5	0.0	24.3	4.2	0.0	0.0	15.9	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	0.0	32.5
	26	83.5	91.4	80.3	137.0	94.9	123.6	148.4	123.8	120.2	127.0	99.9	100.5	57.8	44.8	39.0	27.7	39.7	41.5	18.0	0.0	0.0	27.0	0.0	0.0	19.9	20.3	0.0	22.3	0.0	7.1	7.7	9.6	0.0	6.3	4.1	7.9				
	27	80.9	82.0	98.2	139.3	113.0	109.6	96.7	106.5	129.6	89.3	116.3	129.3	53.3	37.9	31.1	33.4	14.1	10.8	0.0	10.4	0.0	0.0	19.0	0.0	0.0	25.8	0.0	12.1	0.0	0.0	27.4	8.6	0.0	12.3	30.1	0.4	14.0			
	28	69.8	61.8	92.4	128.9	108.9	105.9	97.8	147.5	149.6	105.6	135.1	99.9	65.1	58.7	51.8	33.3	14.4	38.7	0.0	11.6	22.2	3.5	0.0	0.0	25.7	8.7	0.0	9.2	19.5	9.4	3.1	23.5	0.0	0.0	22.4	19.5	21.			
	29	66.8	63.1	66.9	137.4	95.6	94.1	118.8	104.7	128.8	136.5	136.1	87.2	64.8	57.2	43.3	0.0	20.3	9.8	0.0	24.3	0.0	0.0	18.3	0.0	7.1	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	35.7	35.0	
	30	89.9	68.7	95.0	121.5	129.6	100.4	105.6	144.6	113.8	136.3	105.3	133.4	58.6</td																											

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Pichilingue	1	106.4	134.6	108.1	126.9	171.1	158.4	129.6	113.3	159.0	148.3	121.9	109.3	63.9	84.8	86.6	36.1	19.6	41.3	11.3	37.8	18.6	0.0	25.9	0.0	16.0	0.0	0.0	0.0	17.7	4.7	11.1	0.0	7.0	48.6	23.7	25.9	
	2	103.7	136.6	83.5	128.8	164.7	169.3	153.6	134.8	161.0	98.6	113.5	152.7	42.1	58.7	100.4	5.4	26.2	18.4	30.2	10.5	13.7	8.3	7.3	31.3	3.0	0.0	13.1	24.5	0.0	0.0	23.4	5.0	7.2	14.3	25.3	32.0	
	3	91.2	100.9	96.4	171.1	157.1	125.1	153.5	154.1	163.9	155.3	143.3	136.9	70.2	87.0	52.6	51.8	13.9	46.4	0.0	0.0	0.0	0.0	13.8	0.0	32.9	0.0	2.4	0.0	0.0	29.4	22.6	21.1	32.0	36.8	37.8		
	4	90.3	120.2	90.0	151.8	163.0	166.5	142.3	116.2	169.3	114.7	128.5	139.9	96.5	49.6	79.8	47.3	31.5	54.5	0.0	0.0	0.0	31.5	3.0	0.0	26.9	0.0	0.0	7.3	36.8	0.0	3.5	11.7	0.0	26.6	27.8	31.1	
	5	119.9	101.3	122.6	169.2	117.4	128.5	165.8	121.8	150.2	100.9	137.6	106.8	43.5	93.7	86.4	49.0	27.1	51.7	28.6	0.7	25.5	26.8	24.4	18.3	0.0	18.6	0.0	0.0	4.7	0.0	0.0	18.3	45.0	60.7	25.9		
	6	101.4	118.7	125.2	116.9	168.9	167.5	138.4	146.9	150.7	155.1	156.3	139.5	59.0	67.3	43.2	10.8	29.0	11.2	0.0	0.0	31.4	26.0	23.1	11.7	0.0	0.0	24.5	32.1	21.6	30.7	0.0	0.0	1.0	62.1	68.7	18.6	
	7	89.2	89.9	132.5	139.0	130.8	135.1	139.2	122.7	144.1	128.2	151.1	133.8	79.7	57.4	89.3	25.3	0.0	15.6	0.0	9.5	3.9	28.4	0.0	18.7	12.7	12.5	0.0	0.0	25.9	33.3	30.3	27.5	0.0	25.2	60.9	38.7	
	8	94.2	132.9	88.2	141.0	147.4	168.2	119.2	159.3	118.2	151.6	130.7	142.0	42.1	63.1	50.3	37.7	10.6	41.0	38.0	0.0	13.4	0.0	19.1	0.0	15.1	0.0	0.0	0.0	13.5	18.3	0.0	18.6	24.1	54.8	37.6	50.7	
	9	116.8	114.6	97.7	119.4	160.9	134.4	163.8	128.7	164.3	139.9	118.8	103.2	69.6	43.3	52.6	47.4	33.4	49.1	0.0	0.7	36.7	0.0	6.9	3.1	15.9	0.0	0.0	0.0	24.6	0.0	15.3	3.1	31.2	67.4	30.0		
	10	136.7	109.2	109.1	165.9	117.3	161.6	138.9	131.3	135.4	100.8	98.8	136.0	51.0	47.7	48.9	42.8	56.4	8.2	38.2	0.0	0.0	18.1	0.0	13.7	6.3	0.0	14.2	25.5	0.0	0.0	11.7	4.3	27.4	46.6	48.3	27.8	
	11	135.2	97.3	135.4	169.4	117.9	133.1	166.3	159.4	153.1	125.5	142.6	98.3	98.7	50.5	53.3	20.7	0.1	30.7	29.2	32.3	0.0	0.0	0.0	17.4	8.2	0.0	0.0	12.5	25.1	14.4	35.2	35.9	0.0	52.5	24.1	68.8	
	12	139.5	83.2	118.1	170.8	171.8	134.9	156.9	123.1	146.6	155.3	126.9	149.0	42.0	96.9	100.3	58.2	22.5	7.4	0.8	10.1	26.1	0.0	9.3	0.4	10.9	31.8	0.0	0.0	12.7	20.4	23.2	18.4	15.7	60.6	38.2	57.7	
	13	122.1	101.4	126.5	135.0	138.6	156.3	146.4	112.8	124.7	136.6	146.0	114.3	44.0	80.6	48.6	8.2	27.5	8.7	7.1	26.5	35.0	4.8	0.0	10.9	0.0	0.0	11.6	3.7	12.1	32.4	0.0	14.4	0.0	67.4	37.0	15.8	
	14	105.8	90.8	111.7	153.4	116.6	134.0	142.9	141.6	143.6	122.3	125.4	115.4	77.8	63.3	41.8	45.3	45.5	49.6	12.4	8.9	27.5	0.0	0.0	0.0	23.5	0.0	0.0	2.6	29.2	22.9	0.0	0.0	12.2	42.5	64.4	46.1	
	15	128.9	126.3	90.4	143.6	123.4	135.6	150.6	143.8	171.0	149.0	107.2	139.9	48.9	93.6	67.5	15.4	2.4	11.3	0.0	0.0	0.0	31.5	0.0	21.2	0.0	13.6	0.0	32.0	12.8	17.7	0.0	0.0	47.6	59.1	47.5		
	16	118.2	87.0	96.8	117.5	166.6	156.6	159.4	132.1	130.5	109.9	129.1	112.2	41.5	76.6	87.3	13.4	4.0	55.8	16.3	24.4	34.1	3.2	26.2	0.0	28.5	14.2	0.0	24.7	30.2	19.6	1.9	0.0	15.4	49.3	37.7	14.8	
	17	106.8	90.3	118.1	145.6	150.8	165.8	164.0	149.3	145.0	112.6	149.1	127.1	75.1	92.0	79.3	23.6	11.9	44.2	0.0	0.0	34.2	6.1	22.9	0.0	26.7	25.0	12.3	0.0	33.0	13.2	19.1	1.1	0.0	30.6	33.5	48.3	
	18	123.3	111.8	132.2	128.8	118.3	171.8	122.6	157.6	125.6	100.7	137.2	121.6	47.4	91.2	84.6	27.2	39.2	38.4	0.0	22.6	37.0	23.4	0.0	20.8	17.9	0.0	17.7	9.0	21.0	6.1	18.2	0.0	0.0	25.2	34.6	66.9	
	19	129.7	120.0	102.2	124.1	149.6	168.2	159.2	161.3	161.6	129.1	127.3	147.6	92.4	91.8	80.4	30.7	41.5	34.9	0.0	0.0	0.0	19.7	29.0	0.0	24.6	26.2	25.8	18.5	0.0	20.9	24.4	0.0	10.4	19.7	13.1	29.8	
	20	114.1	104.5	107.6	137.8	121.3	147.4	139.3	165.6	141.2	132.9	109.2	102.1	48.7	100.5	71.0	40.8	31.1	49.9	37.2	0.0	0.0	17.2	0.0	5.7	0.0	0.0	5.7	0.0	0.0	11.6	1.0	22.8	35.3	39.0	65.8	45.6	60.3
	21	115.7	128.4	104.9	130.9	148.3	162.2	122.5	147.6	116.1	156.9	155.1	137.2	65.7	41.1	98.5	38.8	10.7	25.9	0.0	21.3	21.0	0.0	0.0	19.5	0.0	34.1	6.4	8.9	5.1	0.0	11.4	19.1	17.3				
	22	109.3	83.9	100.0	170.4	166.3	145.0	162.7	122.5	140.8	129.0	119.3	126.1	84.3	60.0	85.9	39.6	13.6	18.7	0.0	0.0	36.5	29.8	0.6	31.6	18.7	11.4	23.8	0.0	0.0	0.0	0.0	15.7	12.6	28.7	62.2	67.6	
	23	124.8	119.3	102.9	151.8	142.6	123.6	118.4	119.9	139.9	143.0	146.4	127.7	99.6	46.3	53.4	50.0	27.1	14.0	0.0	1.5	20.8	0.0	15.5	1.2	0.0	31.6	3.5	0.0	0.0	0.0	2.1	0.0	0.0	30.4	55.5	64.4	
	24	110.5	98.1	107.8	166.2	151.3	122.5	165.0	155.2	153.4	152.3	127.3	105.8	81.4	56.9	80.8	9.5	26.5	13.2	17.8	13.3	0.0	1.5	0.0	0.0	9.3	11.5	23.4	9.8	0.0	17.0	0.0	36.8	16.3	52.3	20.6	65.1	
	25	95.1	139.6	130.3	157.6	119.9	150.9	150.5	129.0	133.9	103.7	115.9	126.2	80.4	65.8	76.7	9.4	16.4	38.0	11.0	0.0	0.0	8.7	3.0	33.0	18.6	0.0	0.0	23.8	1.8	0.0	30.6	51.8	42.2	34.8			
	26	96.9	119.5	122.3	123.5	164.6	163.8	167.4	160.6	125.7	130.0	148.3	126.1	56.7	67.3	47.6	33.5	5.2	32.6	9.1	23.1	25.2	11.9	0.0	30.5	0.0	1.2	7.7	0.0	17.6	24.4	22.7	23.5	0.0	62.3	23.1	47.4	
	27	96.1	120.0	98.9	163.9	120.9	159.0	121.0	148.2	119.5	151.4	156.6	121.5	76.2	91.3	87.9	55.6	51.5	33.6	16.3	2.7	0.0	0.0	13.0	0.0	14.6	23.7	34.6	0.0	0.0	20.9	0.0	0.0	51.4	25.3	51.2		
	28	117.3	129.6	116.6	132.9	145.9	116.2	128.2	142.3	172.1	124.7	98.5	124.8	54.7	81.7	63.2	36.7	7.5	46.0	0.0	29.0	0.0	0.0	29.7	27.5	26.6	0.0	12.7	31.6	0.0	0.0	3.1	15.0	39.2	65.0	57.7	30.9	
	29	139.6	81.4	136.0	117.4	160.0	120.3	126.8	143.8	146.8	109.8	155.3	99.1	53.3	96.2	68.4	58.8	57.8	55.8	0.0	0.0	8.9	23.9	7.1	0.0	30.1	0.0	0.0	20.8	26.2	19.1	0.0	7.2	62.8	64.4	52.6		
	30	119.9	89.2	131.8	117.3	124.6	135.7	167.9	134.8	141.2	133.1	99.8	121.5	63.8	56.9</																							

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Patricia Pilar	1	84.9	108.8	117.8	161.6	131.0	143.3	155.5	175.6	141.3	188.6	177.1	152.6	78.8	79.4	101.8	31.5	63.6	55.3	53.5	50.7	0.0	32.5	0.0	33.8	44.2	44.2	44.8	27.7	53.9	51.2	0.0	19.6	49.4	60.9	36.0	14.7
	2	117.6	95.2	99.3	129.7	145.3	170.2	195.6	157.4	141.7	162.9	129.8	184.1	118.7	83.8	97.7	73.2	59.6	28.0	43.6	34.2	10.7	13.1	2.4	0.8	21.4	45.7	19.6	6.4	0.0	42.6	26.0	13.7	16.7	8.2	33.2	66.1
	3	76.7	100.3	86.7	133.5	125.1	149.8	191.6	150.4	165.2	184.1	189.2	152.4	124.9	100.2	129.6	62.8	53.5	71.0	36.3	53.4	15.9	25.5	0.0	0.0	11.2	31.7	0.2	13.7	12.9	38.1	8.7	0.0	16.2	39.0	25.2	16.5
	4	97.6	139.0	133.0	132.1	121.1	175.1	173.0	187.4	161.8	163.3	166.9	184.8	113.1	126.4	100.9	60.0	81.9	31.3	19.7	3.1	24.2	44.7	2.5	0.0	0.0	0.0	4.6	0.0	50.8	0.0	6.6	41.1	14.9	60.1	13.5	31.0
	5	92.2	108.1	99.8	144.3	160.7	135.4	146.2	178.4	136.8	149.3	133.7	143.4	113.6	110.4	81.3	83.8	70.1	27.8	46.0	52.5	41.3	3.6	36.5	13.9	1.2	28.3	48.6	0.0	0.0	9.9	0.0	17.1	39.3	24.1	12.5	38.1
	6	78.2	135.5	105.7	174.6	128.2	145.2	179.8	171.1	170.5	150.1	173.6	181.7	127.3	91.8	111.5	71.3	57.9	36.9	0.0	33.3	43.8	3.1	0.0	0.0	0.0	0.0	0.0	39.3	0.0	36.0	27.9	0.0	10.8	50.3	44.0	67.7
	7	88.8	98.7	110.6	141.6	146.7	167.7	178.9	147.0	181.3	155.9	162.5	150.3	109.9	128.6	82.6	59.7	76.2	80.3	0.0	10.6	18.7	12.3	0.0	4.5	31.3	3.7	31.5	9.0	29.2	0.0	1.9	20.3	1.4	47.2	42.7	38.7
	8	92.2	128.6	90.6	182.3	147.3	174.3	143.8	141.7	176.1	154.5	142.6	127.3	67.8	82.6	102.4	43.6	40.7	44.7	0.0	0.9	22.8	16.2	40.5	9.8	33.3	0.0	10.5	37.3	45.0	36.8	39.7	19.2	7.0	18.7	52.1	63.7
	9	128.0	80.9	79.7	155.2	133.2	183.9	153.7	173.9	184.6	147.2	187.5	135.1	122.7	128.6	84.6	76.4	61.0	28.4	41.3	6.9	0.0	20.1	11.3	18.0	5.7	0.0	0.0	50.6	0.0	0.0	25.5	17.8	52.1	49.6	32.8	
	10	77.4	107.4	79.8	172.9	142.2	130.0	172.9	137.9	178.9	144.2	138.5	178.6	121.5	96.7	114.6	66.5	75.4	53.7	9.6	43.3	25.0	0.0	7.7	26.7	40.8	42.1	34.6	17.6	33.6	19.7	16.8	42.4	0.0	26.5	35.4	51.5
	11	97.5	119.6	125.0	162.1	147.7	165.3	188.9	158.9	186.8	149.3	133.9	185.9	106.6	96.3	73.5	27.0	29.6	42.6	3.0	54.2	26.5	0.0	1.5	11.3	0.0	42.6	30.2	9.6	21.7	19.5	0.0	4.9	0.0	67.4	38.6	50.2
	12	123.9	86.9	123.3	157.3	168.9	149.2	144.0	171.0	141.7	175.1	158.9	162.7	80.7	88.4	74.7	41.2	83.2	31.6	46.9	32.4	32.6	28.5	16.9	2.9	18.2	7.1	18.4	7.1	53.1	0.0	45.7	7.3	25.2	14.9	42.8	14.4
	13	104.4	102.7	79.0	148.4	133.7	130.9	171.4	167.5	183.0	173.0	170.1	144.1	130.5	94.2	130.4	66.4	33.5	68.1	0.0	50.2	26.9	44.0	0.0	0.0	12.7	0.0	47.2	49.5	0.0	32.2	26.9	28.7	11.4	68.2	55.1	40.0
	14	128.2	132.3	127.2	174.1	144.2	129.5	154.3	137.6	190.4	171.0	163.0	188.8	101.6	100.0	96.6	44.5	37.5	82.1	42.5	4.8	47.5	0.0	12.4	0.0	14.3	0.5	19.6	24.5	40.4	49.9	8.7	4.1	0.0	52.1	66.8	15.7
	15	86.5	87.1	98.5	180.2	182.8	138.8	195.1	188.3	153.2	187.8	153.7	126.5	79.3	80.3	87.1	60.1	49.6	59.1	6.3	54.6	0.0	42.3	1.2	37.4	12.9	0.0	25.3	9.7	17.8	0.0	8.9	46.7	0.0	37.8	65.9	36.3
	16	119.9	139.1	134.9	142.7	160.8	177.0	189.3	182.5	156.8	154.0	138.6	129.3	108.7	85.0	125.0	66.0	53.2	50.8	16.1	30.9	42.1	0.0	5.5	15.4	0.0	28.6	26.5	20.6	17.9	45.3	3.5	22.8	27.7	17.5	40.8	20.4
	17	94.6	82.5	110.8	165.6	172.5	168.6	154.8	152.2	195.1	166.2	130.5	168.0	90.9	115.8	108.3	54.7	26.5	31.6	8.8	2.8	0.0	0.0	39.1	28.9	23.7	47.3	7.0	14.3	32.7	40.0	13.4	0.0	33.0	35.3	7.5	14.9
	18	121.6	127.4	78.1	167.3	145.1	176.5	146.5	183.8	174.3	167.2	145.9	185.4	125.7	119.2	125.8	71.4	72.3	24.6	30.3	27.7	12.9	20.6	0.0	1.5	27.2	0.0	17.2	15.7	0.0	48.1	42.7	31.8	12.4	54.7	64.4	40.6
	19	109.5	95.6	122.2	130.6	140.9	138.2	137.1	149.3	189.6	136.8	176.6	189.1	84.1	72.7	109.7	59.4	32.9	61.0	14.6	0.0	37.4	7.2	0.0	0.0	7.9	21.8	12.4	17.7	15.1	0.0	32.4	30.7	19.3	62.6	11.1	
	20	111.1	99.9	137.2	152.0	124.3	129.1	152.5	195.3	173.8	140.8	148.2	129.6	75.7	112.7	126.3	72.7	32.6	80.3	0.0	23.7	10.6	30.2	8.5	0.0	12.4	42.1	0.0	0.0	47.0	52.0	46.2	0.9	28.6	17.7	35.7	35.9
	21	87.2	119.8	124.2	123.6	130.1	182.5	156.2	147.5	139.9	181.3	152.9	161.8	85.0	110.4	103.3	25.4	66.0	33.3	35.7	42.5	5.3	0.0	37.6	44.5	30.7	45.5	47.1	22.8	1.1	24.1	17.1	38.4	27.0	58.8	27.7	56.2
	22	87.7	99.3	128.3	120.9	154.2	181.1	159.6	137.0	179.0	146.9	134.0	141.0	127.9	100.5	104.0	80.0	75.1	39.6	30.9	51.0	19.3	16.7	44.4	0.0	28.9	30.3	3.5	48.9	25.0	31.2	0.0	0.0	4.5	66.9	19.6	11.8
	23	107.9	132.6	100.7	127.3	133.4	179.6	181.5	161.3	169.8	186.4	133.3	156.0	86.8	83.2	73.9	86.7	25.7	39.0	49.9	26.7	0.0	18.0	16.7	41.6	23.4	0.0	8.2	6.3	2.6	47.9	17.3	0.0	35.6	45.3	49.3	57.3
	24	113.1	82.7	132.1	166.0	158.3	154.3	151.6	190.1	134.0	155.5	153.4	126.8	70.4	97.0	106.0	61.1	32.6	56.7	16.2	45.4	2.8	14.3	27.6	18.7	33.5	37.2	45.8	54.0	40.7	1.0	25.5	24.3	42.9	67.9	22.5	62.0
	25	121.0	100.3	139.6	169.3	144.9	171.3	142.1	176.3	180.9	173.7	174.8	141.1	75.9	95.8	87.3	48.8	45.8	76.7	0.6	47.5	0.0	36.9	2.9	0.0	24.3	18.6	8.5	0.0	11.7	7.4	0.0	24.3	3.7	46.6	6.5	66.1
	26	77.0	120.3	87.3	149.1	124.4	160.5	136.4	187.1	151.2	177.8	140.0	130.1	116.1	85.5	90.8	35.8	32.7	73.3	40.5	8.6	52.8	29.1	0.0	8.3	1.1	0.0	0.0	6.7	11.4	23.7	0.0	25.9	27.9	12.6	59.8	39.8
	27	109.1	118.5	76.7	123.0	121.9	158.9	160.4	144.5	184.2	130.7	128.2	175.2	97.2	116.2	119.6	25.0	40.9	82.8	26.9	33.8	0.0	7.1	0.0	0.0	20.0	0.0	28.4	4.7	5.8	25.9	45.9	47.3	8.0	34.6	10.5	48.6
	28	134.2	96.3	118.9	172.6	150.4	148.0	177.6	148.8	165.2	165.0	152.8	174.2	101.1	78.6	126.4	51.5	65.2	41.3	41.4	50.4	7.3	44.5	8.9	11.8	38.4	0.0	22.4	23.3	16.8	30.9	26.3	46.4	30.5	68.2	9.8	59.2
	29	102.7	115.8	129.3	150.4	177.7	159.5	191.9	177.3	163.1	166.4	184.5	158.5	106.3	104.0	117.1	67.7	52.6	31.0	36.5	15.7	33.2	0.0	2.8	30.5	1.9	40.3	44.6	9.8	7.9	3.1	0.0	43.3	47.2			

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Vinces	1	80.0	68.8	75.3	117.6	106.8	109.3	129.0	106.7	113.0	107.4	91.1	101.3	66.8	49.0	45.8	30.0	4.4	30.8	11.1	6.2	2.8	2.3	17.7	12.8	9.8	1.0	13.7	0.0	5.1	13.6	7.9	12.0	0.0	16.8	4.5	14.3
	2	79.5	79.8	77.3	108.9	107.7	111.1	121.4	107.4	121.4	116.1	95.7	95.1	50.6	44.7	56.0	13.0	15.0	28.0	11.2	2.5	11.3	1.3	6.5	3.3	2.8	2.7	12.6	3.5	3.2	4.5	1.1	12.3	4.7	16.3	14.2	11.2
	3	57.1	83.9	76.8	120.3	106.6	125.3	122.5	126.3	134.1	93.9	102.6	99.1	45.3	63.7	42.8	1.2	16.1	20.6	8.3	14.7	14.0	16.0	7.9	10.5	6.6	12.6	13.9	14.8	9.2	6.3	2.1	17.7	2.8	5.3	23.9	12.1
	4	75.0	71.5	69.2	106.8	118.1	107.0	123.8	121.2	130.7	94.5	99.6	100.0	68.9	46.6	61.0	7.0	16.2	31.4	0.0	10.7	4.5	1.0	3.7	14.7	8.3	14.2	5.6	2.3	1.0	4.9	10.5	11.1	2.0	4.6	15.8	17.9
	5	72.6	78.7	65.2	110.3	127.0	98.7	121.3	133.8	129.2	101.4	100.9	111.3	53.9	37.3	50.7	20.3	20.0	21.2	11.4	12.1	15.9	6.4	1.9	6.7	3.0	2.1	8.4	3.8	4.9	3.0	3.2	2.2	2.8	20.8	9.0	15.3
	6	86.6	81.3	77.1	114.4	94.2	107.2	112.7	132.7	128.8	102.4	99.4	97.4	54.6	57.6	46.2	19.1	31.1	19.3	6.7	3.4	9.0	6.8	9.1	14.5	5.9	12.1	4.4	6.0	1.3	14.3	20.3	9.4	7.3	18.2	1.0	11.0
	7	77.1	82.1	61.4	94.9	96.2	116.5	122.8	109.2	120.5	111.4	110.5	114.7	46.0	50.3	56.2	28.5	14.0	19.7	2.0	1.5	2.2	7.3	2.5	0.3	1.9	2.7	4.4	0.0	9.8	1.7	18.5	2.8	1.4	27.4	27.1	21.5
	8	91.1	75.1	74.4	109.0	99.0	113.0	113.8	118.4	130.9	109.3	102.5	101.9	58.7	44.0	44.3	11.8	19.3	10.4	0.4	2.2	14.4	4.9	1.6	1.3	8.2	10.1	5.3	0.0	11.1	9.6	4.3	11.7	12.3	11.9	4.8	11.3
	9	65.3	87.7	74.7	102.8	100.4	101.6	137.5	136.5	126.3	116.4	87.7	120.5	58.9	53.5	53.4	9.3	17.9	9.4	1.1	13.2	1.1	10.2	17.9	1.1	6.3	6.9	11.5	15.9	11.2	4.3	9.9	4.6	5.3	24.9	2.1	19.3
	10	74.3	72.3	60.7	117.2	128.4	90.3	118.4	113.2	139.4	95.8	92.3	109.3	58.3	49.8	48.0	14.5	3.9	24.3	17.7	8.3	12.5	11.8	2.2	10.5	0.0	22.7	13.6	17.6	6.7	2.0	8.6	6.3	1.7	18.3	8.9	25.5
	11	56.1	66.2	67.6	105.0	114.0	122.6	120.0	129.5	119.0	115.9	105.9	101.4	63.0	51.4	59.7	15.4	4.5	14.4	4.5	1.3	24.0	4.6	5.1	8.8	2.9	0.0	0.7	10.3	18.2	0.6	0.0	3.5	15.1	5.9	10.2	7.1
	12	61.9	71.9	79.4	116.4	113.3	110.1	119.4	115.1	131.2	100.1	108.2	105.8	47.8	55.2	44.2	26.4	17.5	9.8	7.8	10.6	0.4	3.3	0.0	4.6	7.9	6.8	18.0	8.2	8.5	7.5	16.0	12.3	3.8	12.3	19.3	30.6
	13	84.3	73.1	78.0	110.5	109.7	104.1	124.8	122.4	121.6	104.1	96.6	112.4	51.5	45.5	54.3	12.4	9.7	17.9	1.7	1.2	4.2	0.0	7.6	8.2	0.6	6.9	7.5	8.0	6.4	3.0	5.5	5.9	13.5	21.3	4.2	18.8
	14	57.1	80.7	70.2	112.0	111.9	104.8	114.9	133.7	125.4	104.8	104.3	109.8	52.4	34.1	43.1	26.1	8.2	2.9	15.7	1.8	3.5	8.8	2.7	6.9	3.8	5.4	8.1	18.6	13.9	10.7	9.5	2.8	12.1	11.9	7.3	5.6
	15	60.0	73.8	69.5	107.5	104.6	111.0	119.8	133.1	119.0	113.3	97.3	122.8	67.7	48.6	63.7	6.5	17.8	7.9	18.1	7.0	3.6	12.1	8.0	2.5	3.6	8.6	5.9	12.1	8.1	0.1	23.4	10.3	15.0	26.3	23.1	7.2
	16	71.5	84.7	71.6	109.8	97.3	124.0	124.2	136.9	131.4	106.0	113.3	99.0	57.0	53.7	44.5	21.0	26.8	7.6	9.0	3.7	10.3	6.4	12.8	4.0	0.0	10.6	11.2	11.2	2.1	5.0	20.6	9.5	5.1	16.4	4.5	4.6
	17	58.5	74.1	73.6	113.8	99.1	117.6	106.4	113.4	109.2	103.0	116.7	102.6	51.3	55.9	42.4	10.4	10.9	6.4	17.7	6.4	5.3	4.9	8.0	12.7	6.8	13.2	11.9	8.6	4.4	10.7	2.8	5.8	11.0	13.3	14.5	15.4
	18	70.6	68.3	75.7	123.8	125.1	110.0	112.1	130.8	115.8	107.6	104.6	103.8	52.5	53.2	55.4	15.2	18.3	14.0	14.5	18.4	10.5	6.0	1.0	15.1	12.1	7.8	5.0	4.3	8.2	15.4	4.0	3.0	6.3	21.7	4.7	24.3
	19	79.0	68.6	82.2	118.4	117.0	105.1	114.8	109.0	119.2	107.9	96.4	102.8	48.9	56.2	53.4	17.6	11.6	9.6	2.7	19.1	4.4	6.4	15.6	2.4	11.3	7.7	1.5	10.4	7.8	19.0	7.1	6.2	6.6	30.5	22.6	4.8
	20	75.2	80.5	76.0	105.3	114.4	117.8	124.3	129.2	128.7	105.7	112.5	101.2	54.3	62.5	65.9	17.0	27.9	17.3	16.4	25.5	2.8	0.6	0.1	9.1	12.9	3.1	3.2	0.7	8.0	10.6	3.4	0.7	4.7	14.3	26.6	9.8
	21	68.1	60.9	86.7	107.8	103.5	91.4	121.7	119.3	116.8	104.2	107.3	96.9	47.9	45.0	49.0	0.8	19.1	17.8	7.9	1.5	3.0	7.0	0.0	10.8	7.8	17.1	13.4	10.1	6.3	1.0	5.6	7.0	19.5	19.1	6.1	13.8
	22	80.2	78.2	72.7	112.7	112.9	104.9	109.8	128.6	129.2	102.9	89.1	105.5	40.7	60.2	46.2	18.6	22.0	24.9	18.4	20.8	11.2	8.1	10.0	0.0	19.5	14.6	7.8	8.4	3.0	5.7	6.5	2.5	12.0	11.4	6.4	6.7
	23	60.1	80.3	68.7	105.3	115.2	116.7	105.7	117.3	117.5	97.0	106.3	91.8	54.9	42.2	44.0	16.9	13.9	18.6	16.9	2.7	7.6	3.1	6.3	7.2	8.4	9.1	11.4	4.2	12.1	3.0	4.7	10.1	4.9	5.6	15.4	13.4
	24	83.3	86.5	76.6	106.7	105.4	100.7	119.9	116.2	115.3	117.6	100.3	106.8	55.9	39.8	60.5	9.5	19.2	29.9	7.8	1.6	11.3	5.5	7.6	3.0	8.8	3.9	2.5	3.3	4.1	10.2	0.0	0.2	15.8	6.5	15.3	14.2
	25	92.6	72.9	70.4	108.0	113.8	114.3	135.3	124.6	117.6	102.5	98.1	108.3	41.8	38.0	55.6	4.4	19.5	25.7	14.5	25.5	5.1	17.5	13.3	13.4	9.5	12.8	7.2	3.2	0.0	0.0	15.2	8.5	15.2	3.4	12.2	30.1
	26	78.0	87.1	65.2	121.1	96.8	117.4	137.8	126.0	110.8	116.9	102.1	92.0	46.0	41.9	35.9	29.8	28.5	20.5	17.7	10.3	0.0	10.1	6.2	3.3	9.6	14.5	7.7	10.7	3.1	15.9	16.3	7.4	2.6	18.9	8.8	7.2
	27	62.5	71.1	76.6	109.1	105.4	112.8	104.8	124.7	117.2	102.6	110.8	113.2	42.4	48.8	43.3	23.3	12.2	8.1	14.8	5.9	1.9	1.6	13.6	4.9	18.7	5.3	13.1	1.9	10.3	17.4	6.7	2.2	4.6	18.3	14.6	10.5
	28	73.3	67.0	85.8	108.4	114.8	99.8	112.0	140.4	128.2	110.5	104.5	103.4	59.6	52.2	43.0	28.3	16.7	29.0	0.8	7.9	10.5	6.7	1.8	2.1	10.3	6.7	3.1	13.8	9.1	15.8	3.3	14.3	2.8	31.0	19.7	13.3
	29	69.4	64.5	70.6	115.3	102.9	92.5	116.4	105.3	131.2	120.6	121.7	99.1	56.1	47.5	45.9	7.5	19.1	6.1	9.3	9.1	9.9	9.5	10.0	1.2	4.4	3.6	11.7	0.0	0.0	6.9	10.6	5.5	0.6	15.1	27.2	25.7
	30	64.9	81.7	73.7	113.4	108.3	100.4	109.6	121.0	113.8	125.5	95.4	104.2	53.2	49.4	42.5	9.2	13.6	20.6	5.7	10.1	2.0	12.3	15.9	3.1	11.8	10.8										

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Palenque	1	104.8	65.2	101.0	148.8	132.6	130.9	150.8	148.4	131.4	144.4	102.9	92.6	40.6	42.1	49.9	33.0	3.2	38.9	1.3	17.6	1.5	0.1	9.1	0.6	1.6	10.7	27.3	0.0	23.7	1.0	27.0	11.4	0.5	11.4	12.7	22.6
	2	74.6	73.1	63.0	102.3	136.1	143.5	155.9	161.6	122.0	116.1	122.0	141.6	41.0	58.3	68.9	34.0	37.6	33.4	11.1	0.7	19.1	0.6	3.9	13.1	0.2	27.6	1.4	1.8	0.2	11.6	1.7	0.9	0.8	4.2	39.7	35.0
	3	60.0	84.7	61.7	150.1	102.9	126.5	171.1	151.3	168.2	114.5	113.9	113.9	61.8	72.4	75.3	6.0	1.8	24.0	0.4	11.6	0.7	25.2	6.7	1.5	0.2	2.8	8.8	18.5	0.3	0.3	2.2	2.5	1.6	37.7	40.6	11.9
	4	68.7	89.6	82.2	149.9	122.3	118.5	142.1	138.5	152.8	136.2	109.2	113.2	80.1	52.7	50.7	22.8	30.9	5.3	0.0	0.4	0.2	2.2	0.4	8.3	2.3	0.6	7.9	0.5	2.6	18.9	0.7	29.3	0.1	2.1	22.2	9.2
	5	60.5	89.0	100.1	105.3	147.1	115.6	169.1	146.6	133.0	105.8	117.2	107.1	47.5	68.5	72.8	12.3	12.8	29.8	17.6	0.6	2.6	16.2	20.7	9.7	0.0	1.9	0.5	0.2	0.2	0.3	23.9	0.0	1.3	4.7	14.9	4.4
	6	73.6	71.2	69.8	113.6	102.1	125.4	169.7	163.1	144.5	141.0	103.0	117.5	51.9	64.5	38.8	38.0	5.6	5.0	19.9	19.7	12.4	18.4	2.1	1.4	0.3	25.9	22.4	5.1	14.1	2.9	25.0	2.3	0.4	40.7	4.8	8.9
	7	78.3	92.2	87.3	119.2	103.7	148.1	124.1	118.5	167.9	113.6	133.2	102.7	33.7	48.9	64.9	18.3	31.2	33.2	0.0	3.6	22.6	2.4	25.5	4.2	1.0	0.9	0.1	0.0	2.3	2.3	29.1	9.2	14.8	10.8	33.5	36.9
	8	107.1	109.5	102.0	111.0	103.2	103.1	165.4	129.0	165.5	112.5	141.7	112.7	43.5	62.5	72.3	10.6	11.9	26.1	2.7	2.1	6.1	16.6	17.6	13.8	2.7	19.5	5.0	0.0	1.5	1.8	23.8	17.7	2.3	11.4	6.2	13.4
	9	62.4	106.5	71.6	116.8	106.1	142.4	154.1	160.8	132.3	116.8	129.9	113.4	61.3	67.9	35.8	8.2	40.7	28.4	0.1	22.4	2.6	13.9	1.4	0.2	1.5	4.8	5.9	4.2	0.6	2.0	0.4	1.3	0.5	3.3	10.3	38.2
	10	87.9	73.5	110.3	147.5	103.2	112.9	156.8	143.5	136.0	107.5	116.7	135.0	53.8	29.8	69.2	20.0	4.1	15.8	29.8	15.0	2.2	1.8	22.7	4.8	0.4	22.9	11.7	2.7	2.3	0.0	1.2	5.3	19.4	15.9	40.8	34.5
	11	84.6	76.9	84.0	129.8	115.8	130.6	151.0	146.9	164.5	101.9	93.4	95.4	32.5	38.2	40.3	11.1	24.5	13.6	2.2	7.6	22.7	17.0	0.1	24.5	0.7	0.0	7.5	1.3	28.1	4.7	2.5	2.5	0.6	42.4	25.4	5.4
	12	62.1	85.6	108.2	133.8	111.7	118.3	171.4	123.9	141.8	119.8	109.7	110.7	58.3	43.1	44.6	20.8	36.6	13.5	0.5	13.1	2.7	5.2	0.6	23.1	1.2	13.0	0.7	0.4	1.2	1.7	14.5	21.0	3.1	20.8	30.1	19.6
	13	94.2	64.3	104.2	116.4	143.1	125.3	170.8	139.0	156.8	125.4	112.2	133.7	70.4	31.7	65.2	7.7	2.5	31.5	18.3	1.9	8.9	0.3	0.4	15.3	0.0	0.3	1.1	4.8	1.1	2.3	0.3	11.7	13.3	33.1	28.6	2.1
	14	75.6	108.1	76.1	114.8	104.4	116.1	134.6	170.9	132.9	105.2	124.1	130.6	58.9	40.6	62.4	9.6	28.1	3.6	15.0	10.4	2.1	12.7	0.2	2.5	22.6	6.9	2.0	1.1	13.4	6.7	0.4	6.2	17.4	3.3	4.8	24.3
	15	98.9	75.3	99.4	141.1	133.6	112.9	148.9	142.1	127.4	114.2	95.1	128.3	35.6	65.3	63.1	27.4	34.9	28.2	7.3	0.2	0.2	0.6	15.6	25.8	2.8	0.4	18.8	8.1	2.7	1.8	30.4	0.3	26.3	8.4	30.4	25.9
	16	67.7	106.9	82.3	129.6	101.4	133.4	160.4	125.6	153.8	101.2	104.5	128.4	77.9	67.5	75.1	18.1	35.7	37.1	10.6	16.3	17.7	0.6	16.7	0.2	2.0	9.4	13.5	21.2	24.0	1.6	1.1	8.1	3.0	20.2	34.9	23.8
	17	76.1	88.4	78.8	137.2	102.0	104.8	173.0	122.7	140.4	96.3	115.5	114.3	42.1	53.2	39.9	3.3	22.2	37.5	23.5	0.6	2.6	0.6	27.0	13.9	2.1	15.8	8.7	8.6	24.8	12.7	1.5	0.4	4.3	32.2	25.1	4.0
	18	86.8	83.2	111.8	143.9	133.4	112.6	123.8	135.8	143.1	121.6	95.1	111.4	32.4	81.4	67.6	2.7	3.6	26.3	27.2	16.2	19.1	1.9	10.2	8.9	12.1	27.0	1.5	23.7	22.4	9.6	23.9	6.2	0.2	41.9	24.9	12.1
	19	70.5	92.4	103.0	131.6	143.1	122.5	172.1	155.4	158.3	95.4	133.9	132.1	79.8	73.1	45.0	3.0	3.5	5.8	26.3	21.6	0.2	1.7	22.6	0.0	2.3	26.4	16.9	1.7	0.3	7.3	11.2	25.5	15.6	33.5	14.5	23.4
	20	110.9	92.0	76.4	119.7	129.1	134.6	145.6	157.1	134.7	97.9	94.3	97.2	50.1	39.9	62.3	35.9	4.9	34.5	12.9	25.8	0.1	1.2	0.7	12.2	13.2	0.1	0.4	0.8	26.9	0.6	1.8	2.5	6.3	14.8	37.9	40.1
	21	98.0	89.3	62.7	106.5	149.5	120.4	152.4	158.2	165.0	137.6	141.4	117.3	52.5	63.4	69.2	10.4	28.1	4.4	1.7	2.7	21.6	14.6	1.5	1.9	0.4	0.7	10.5	16.2	2.7	0.5	2.4	16.1	6.5	12.2	30.3	44.6
	22	80.7	72.2	104.9	130.5	131.1	115.9	162.6	162.3	163.0	113.9	94.8	124.7	79.3	63.5	54.8	3.5	19.0	2.7	22.7	1.1	31.5	19.8	0.5	2.2	2.3	11.5	26.2	23.0	0.0	15.6	3.9	27.0	25.5	28.2	4.6	11.1
	23	74.9	101.5	72.1	113.1	116.5	144.3	160.4	131.1	136.6	104.7	143.2	104.1	78.8	68.2	31.8	21.9	2.7	9.0	0.9	18.1	25.4	0.2	1.4	14.4	13.6	7.6	5.2	0.2	0.4	0.0	16.8	0.5	0.3	10.7	4.5	25.0
	24	77.2	98.0	90.8	129.3	146.2	130.2	158.6	151.2	124.4	109.6	92.4	130.5	80.6	56.6	45.0	13.5	2.6	16.7	1.7	6.6	0.6	1.9	10.4	12.6	13.8	8.9	1.6	26.3	13.8	1.7	0.0	4.8	2.0	47.0	18.4	38.4
	25	91.2	101.9	92.7	142.1	111.3	150.4	166.1	137.3	127.9	95.6	140.6	142.6	58.3	33.0	32.1	5.6	10.6	13.8	16.6	20.0	8.2	21.4	5.4	22.9	2.7	2.0	0.3	0.0	0.0	1.7	20.4	17.4	23.5	16.9	19.0	45.7
	26	61.3	101.8	75.6	124.1	110.3	134.4	137.9	130.9	164.0	117.1	136.9	138.5	57.1	35.6	48.8	26.8	31.7	42.0	28.6	5.9	1.8	1.3	5.2	21.9	7.2	8.1	7.0	0.4	18.2	2.4	24.4	2.0	26.7	5.1	16.2	14.
	27	76.7	60.3	75.4	110.3	136.7	124.7	121.1	167.1	139.1	123.1	117.5	128.5	57.5	59.6	60.3	5.0	11.3	30.7	25.8	6.7	19.3	16.5	25.8	15.1	2.0	10.5	5.6	19.7	19.1	16.0	12.4	8.6	0.2	42.5	46.1	24.3
	28	73.4	91.7	95.9	130.2	147.5	124.5	133.1	147.7	133.3	137.4	98.8	99.5	64.7	64.8	56.0	24.0	40.7	44.3	8.1	5.9	4.8	0.2	20.3	23.3	6.9	0.2	1.0	27.2	18.7	0.7	0.3	22.4	2.7	38.0	5.1	12.3
	29	62.3	60.9	80.4	96.7	110.6	125.2	157.8	138.2	144.0	97.3	137.8	110.0	43.6	77.9	58.5	21.3	37.9	22.2	0.5	0.4	1.0	9.7	10.0	9.1	17.7	2.0	3.1	0.0	1.5	2.4	29.3	22.5	0.5	5.1	5.9	17.5
	30	76.4	106.9	104.2	126.1	122.2	117.2	169.3	147.0	125.8	138.0	111.0	130.6	79.2	38.8	29.1	13.5	4.8	9.9	0.2	27.8</td																

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Ventanas	1	103.6	105.7	103.1	132.9	151.8	144.0	138.4	123.2	146.6	142.3	113.2	106.0	60.5	68.3	70.1	35.7	11.7	40.4	9.1	26.2	11.4	0.6	21.1	2.9	11.7	2.9	10.4	0.0	16.2	6.3	14.7	5.8	4.0	33.5	16.5	23.3
	2	94.4	111.5	79.3	121.5	149.1	154.0	150.0	138.1	146.5	110.5	114.7	140.0	44.6	56.8	84.4	14.3	27.8	25.2	22.2	6.0	14.5	4.7	6.3	21.3	1.7	7.6	9.7	14.4	1.0	3.2	13.6	5.8	5.6	13.3	27.0	29.2
	3	78.3	96.8	86.3	159.1	135.4	128.4	154.2	151.1	162.9	134.8	130.9	126.5	63.9	80.0	56.9	30.3	12.3	36.8	1.8	5.7	3.7	9.6	4.0	10.8	0.9	21.1	4.8	8.8	1.5	1.6	17.4	17.7	12.7	27.9	36.5	26.7
	4	84.9	105.1	85.5	144.8	148.1	146.1	141.2	125.7	160.5	118.8	120.2	128.9	89.2	51.1	70.0	32.6	28.4	38.7	0.0	2.2	1.1	18.0	2.6	5.5	17.5	3.3	2.5	4.2	20.9	5.9	4.6	16.5	0.6	16.5	24.8	22.9
	5	97.3	95.5	107.4	144.8	130.1	122.5	161.8	134.0	146.0	105.8	127.5	111.6	46.9	76.2	77.6	34.8	23.0	40.8	22.1	3.3	18.7	20.3	19.1	14.1	0.0	10.8	2.5	1.0	1.2	2.7	6.8	0.0	10.7	31.0	39.1	18.5
	6	93.7	101.6	104.3	118.7	138.9	147.7	143.4	151.1	148.1	143.3	134.3	128.5	58.0	66.9	44.3	20.1	24.9	12.4	5.8	5.4	22.5	20.9	15.9	9.7	1.5	8.9	19.9	20.1	15.8	21.4	10.8	2.8	2.2	49.2	39.1	14.1
	7	86.7	92.3	108.6	127.6	120.1	137.4	135.0	120.7	147.9	123.8	142.3	125.8	63.0	54.8	79.2	25.6	11.1	21.9	0.1	6.2	8.3	18.4	7.0	11.4	7.8	7.3	0.6	0.0	17.1	19.0	28.7	18.1	4.0	22.7	48.8	35.1
	8	99.2	118.2	91.3	130.0	129.7	145.2	132.5	145.6	136.1	136.7	130.4	129.5	47.2	59.5	55.6	26.2	14.1	31.6	21.7	0.6	12.9	4.6	15.3	3.8	10.9	7.7	1.6	0.0	10.4	13.2	7.0	17.2	16.9	34.9	22.7	33.3
	9	95.6	110.9	88.5	118.3	137.9	133.1	159.1	142.0	151.4	132.7	116.7	112.3	67.1	53.1	49.9	30.1	31.9	36.3	0.3	8.3	20.9	5.6	8.6	1.8	11.0	2.3	4.0	4.4	2.8	15.3	2.0	10.1	3.4	23.7	39.9	30.9
	10	114.5	95.7	101.8	155.7	119.4	137.5	142.4	132.6	139.8	104.1	104.5	134.3	54.5	44.9	53.9	31.3	33.1	13.6	33.2	5.7	3.7	12.8	6.2	10.9	3.6	10.9	13.6	19.3	1.5	0.0	8.5	5.5	20.4	34.1	38.4	30.7
	11	108.1	87.5	110.8	149.4	118.9	133.9	156.6	153.5	152.1	120.6	125.4	100.8	76.5	49.2	52.6	17.8	6.8	24.1	17.7	20.1	11.9	5.3	0.6	17.5	5.1	0.0	2.0	9.1	25.5	9.2	20.0	20.5	3.2	40.5	21.7	40.1
	12	107.4	84.3	111.0	153.6	148.3	129.1	155.6	125.2	145.4	137.6	122.9	134.7	48.3	77.1	75.3	44.3	25.0	10.0	2.6	10.9	15.1	1.4	5.3	7.1	8.6	22.7	3.8	2.5	8.6	13.1	20.4	17.5	10.3	41.0	33.3	43.3
	13	110.5	89.4	114.2	128.4	137.2	140.2	151.5	125.3	134.8	130.6	129.9	122.2	53.2	62.7	55.4	9.6	18.5	15.9	8.9	15.4	22.5	2.7	1.9	11.4	0.0	1.7	7.8	5.3	8.4	18.5	1.4	12.1	6.7	50.6	28.2	13.9
	14	90.2	95.9	96.0	139.7	115.5	126.6	138.7	151.0	140.0	117.7	122.7	121.3	69.6	52.0	47.7	33.3	33.0	29.0	14.0	7.7	16.5	5.1	0.8	2.3	19.5	3.0	2.5	6.6	22.9	17.4	2.1	2.3	13.7	26.1	38.4	32.5
	15	108.3	104.7	91.1	138.5	124.2	128.7	147.3	144.9	151.9	136.7	104.6	136.6	51.0	79.0	67.2	16.9	14.6	15.4	5.6	1.2	1.1	3.3	23.4	7.1	12.6	2.1	13.6	4.4	20.5	7.5	22.5	1.7	10.4	33.7	45.1	33.4
	16	98.8	94.9	90.5	123.3	139.3	147.7	156.5	135.0	139.7	110.3	122.4	115.4	55.8	70.2	76.3	17.2	18.0	41.8	14.1	18.5	25.1	3.8	22.0	1.0	16.3	12.7	5.1	21.8	23.2	12.7	6.3	4.0	10.4	36.3	30.3	15.2
	17	91.4	88.3	101.3	141.0	130.7	144.5	157.5	137.9	138.6	108.6	137.4	121.3	62.4	76.8	63.4	15.7	14.0	35.5	10.1	1.6	20.6	4.3	21.2	6.3	16.5	20.4	11.9	4.6	25.4	13.0	11.5	2.1	3.1	27.0	28.8	30.8
	18	105.2	97.7	119.1	136.1	127.7	148.0	123.0	150.6	130.5	109.7	122.8	117.8	45.9	83.1	76.4	19.6	26.6	30.5	9.5	21.1	27.7	14.8	2.8	17.3	15.3	8.5	11.3	11.4	19.3	9.2	16.5	1.7	0.9	28.9	26.0	46.3
	19	108.1	104.2	102.1	127.8	144.0	146.2	155.3	152.1	154.9	120.3	125.1	138.4	81.2	81.9	67.6	22.0	26.5	23.0	7.2	9.6	0.9	12.8	24.9	0.0	17.3	23.1	18.8	12.7	1.4	18.3	18.3	8.0	11.1	25.9	15.4	23.2
	20	108.0	98.1	95.4	130.3	124.9	141.5	140.4	159.8	140.9	122.0	108.8	103.1	51.5	79.2	70.1	35.5	24.3	40.8	27.8	12.4	0.7	9.9	0.2	8.8	6.8	0.3	3.5	0.2	15.2	3.3	14.0	20.1	24.2	43.3	40.0	45.9
	21	103.6	106.0	94.4	122.4	143.4	140.0	132.5	148.2	131.0	143.9	144.4	126.4	60.6	48.5	83.1	24.2	17.7	18.8	12.5	21.6	20.1	5.3	12.1	13.9	2.0	3.6	17.0	6.5	20.9	4.0	7.1	8.8	6.7	13.3	19.6	23.8
	22	99.0	82.5	97.4	151.2	150.3	133.5	153.5	136.3	147.5	109.4	124.3	74.7	63.1	71.4	26.6	16.8	17.3	10.3	5.7	30.7	22.6	3.0	18.0	16.0	12.4	21.0	7.0	0.0	4.7	2.3	16.0	16.7	24.4	36.6	40.8	
	23	100.9	108.5	89.7	135.9	134.7	130.9	128.6	124.6	137.0	127.7	140.3	117.1	87.6	51.6	47.4	36.5	19.6	14.0	4.5	5.8	19.7	0.9	10.4	6.2	5.1	21.9	6.2	1.0	2.3	0.0	6.2	2.8	1.5	19.6	34.6	45.1
	24	99.8	99.3	100.7	147.6	143.3	122.8	156.5	149.2	140.4	137.9	115.8	114.2	76.9	54.3	69.6	10.8	18.9	18.1	12.5	9.4	3.4	2.7	4.3	3.5	11.1	9.5	13.3	12.6	3.8	12.3	0.0	21.6	13.5	41.8	19.6	48.2
	25	96.3	119.2	111.3	145.8	119.1	147.1	154.9	134.3	132.6	103.5	120.1	128.6	67.2	53.3	62.3	7.1	17.0	29.9	13.8	11.0	3.0	9.4	9.5	10.6	21.0	14.1	1.5	0.0	0.0	13.5	9.5	6.4	25.9	33.1	30.8	37.7
	26	86.4	111.1	100.8	127.2	140.5	150.6	157.8	149.9	134.8	127.1	138.5	124.4	55.8	55.6	46.5	32.2	16.7	33.3	16.4	17.2	14.4	9.2	3.1	22.8	4.1	6.4	8.2	2.0	15.1	17.6	22.1	15.4	7.3	39.5	18.4	31.5
	27	86.2	97.8	90.9	142.6	125.0	145.5	119.3	151.8	125.9	137.6	141.6	123.9	66.2	76.0	73.3	37.2	33.9	27.8	18.6	4.2	5.3	4.5	17.0	4.7	13.4	16.6	23.3	5.4	7.2	19.7	4.1	2.7	1.1	42.5	29.5	36.7
	28	100.7	109.4	107.7	129.7	143.0	116.9	129.3	146.9	157.0	127.5	102.7	117.4	59.7	73.7	58.7	33.2	18.0	43.8	2.2	18.6	3.8	1.2	21.9	21.5	18.7	0.8	7.9	28.0	6.8	3.5	2.0	16.9	22.3	52.2	38.4	23.5
	29	108.6	73.9	111.1	115.2	139.1	118.4	135.4	137.4	146.5	111.9	148.5	103.8	52.7	82.3	62.3	38.8	45.6	37.7	2.8	2.2	7.3	18.3	8.9	2.5	22.0	1.0	3.9	0.0	11.8	16.5	20.8	6.2	4.1	39.5	43.8	38.8
	30	99.9	94.8	114.7	122.4	124.1	125.9	158.6																													

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Urdaneta	1	91.2	78.1	90.6	124.8	121.1	118.6	144.8	113.9	130.9	119.4	100.9	115.2	78.9	57.3	51.0	38.1	0.8	39.6	13.8	4.0	5.3	2.9	24.3	14.6	13.7	0.3	16.6	0.5	0.9	19.2	7.2	15.9	0.6	20.8	0.8	17.1
	2	95.3	92.5	89.7	127.3	119.4	121.2	126.9	110.8	138.6	135.8	105.7	97.6	57.3	47.2	58.0	12.0	18.4	32.7	14.5	0.4	9.8	0.3	7.4	3.5	0.4	0.3	11.8	3.3	5.6	0.5	2.8	16.5	8.4	24.7	12.5	11.7
	3	65.8	101.6	90.7	135.1	116.6	139.1	127.9	139.1	150.3	101.8	118.8	112.2	47.6	69.7	42.3	2.0	23.6	27.1	9.2	13.3	18.7	14.9	12.2	16.1	4.8	13.5	12.9	12.6	7.9	9.1	4.5	25.9	4.3	1.0	28.4	16.4
	4	91.2	81.4	76.1	113.6	140.0	124.4	134.9	133.9	143.9	102.8	110.6	118.8	79.9	53.3	68.9	3.2	15.8	41.0	0.1	11.3	5.5	1.4	4.7	18.2	12.4	17.0	1.9	0.6	1.2	4.1	13.6	12.3	3.8	8.3	19.2	18.3
	5	83.0	86.2	71.0	128.5	140.4	113.3	137.5	150.1	151.1	119.6	110.9	131.4	54.9	34.7	58.3	25.5	25.7	25.2	8.9	15.5	21.9	6.7	0.6	7.8	0.3	0.6	13.9	5.7	6.8	0.6	2.0	0.5	2.4	28.4	11.0	17.1
	6	98.7	93.7	91.9	129.3	102.5	120.9	116.6	143.2	144.2	109.6	114.6	110.5	62.7	68.7	55.7	20.6	41.4	27.0	1.9	0.6	10.4	9.2	15.6	15.4	7.3	9.6	2.3	6.7	0.9	21.4	22.2	12.3	9.1	23.4	1.9	8.5
	7	90.5	97.5	67.5	104.2	110.8	126.8	136.2	116.6	127.5	124.2	128.0	134.9	56.7	55.6	69.3	37.4	13.5	23.5	0.9	0.4	0.3	12.8	0.2	0.6	3.6	1.5	3.4	0.5	12.7	1.2	23.2	3.6	0.5	32.7	35.6	22.0
	8	100.5	85.8	83.0	124.8	114.5	137.6	120.8	127.1	143.0	127.4	110.0	114.4	67.0	44.0	45.5	14.7	28.3	11.4	0.9	0.2	21.7	0.2	0.5	0.2	10.2	13.8	1.6	0.5	15.7	15.5	3.2	13.1	17.0	10.4	2.9	10.6
	9	80.4	104.8	84.8	115.3	115.9	113.5	149.8	151.7	139.0	133.6	88.9	136.3	67.3	60.1	62.2	10.8	13.7	9.5	1.6	9.7	0.9	10.0	24.3	0.2	11.0	6.1	13.0	18.5	14.5	8.0	10.5	8.4	9.4	31.9	1.7	23.3
	10	86.7	87.1	65.6	134.8	148.1	100.3	128.9	118.3	156.9	108.1	102.4	127.1	64.3	59.0	45.7	13.1	6.7	26.4	23.4	8.3	17.9	12.9	0.2	12.1	0.3	25.5	14.9	25.4	4.8	0.5	9.6	9.9	1.0	23.4	5.0	34.3
	11	60.6	72.4	75.3	116.9	123.9	139.0	134.9	144.4	128.3	132.3	120.5	115.5	75.2	60.9	68.9	19.5	0.3	20.7	6.6	2.2	31.1	3.9	3.7	7.2	2.6	0.2	0.3	10.4	22.6	0.7	1.2	1.2	16.3	1.5	8.6	5.4
	12	78.3	84.2	92.1	129.6	130.6	126.5	126.0	132.9	144.6	108.9	129.5	126.5	52.0	68.7	45.4	37.2	15.6	12.8	11.5	10.5	0.8	0.1	0.3	3.0	13.4	9.8	19.5	13.9	7.3	8.2	21.3	9.6	5.1	12.9	22.3	35.1
	13	98.5	90.2	91.0	123.7	121.7	112.7	136.1	141.1	130.3	118.5	105.9	127.8	53.7	54.9	60.8	16.7	16.5	13.3	0.3	2.1	5.1	0.2	9.3	7.6	0.3	8.5	6.7	11.4	8.9	1.1	8.1	6.0	16.8	25.8	1.1	25.7
	14	63.7	92.3	77.7	134.7	127.5	118.8	131.0	147.0	137.4	120.3	109.9	123.8	59.3	35.0	43.1	33.0	3.1	5.6	17.0	0.3	5.1	8.6	4.4	9.1	2.7	5.9	11.6	26.9	17.8	17.5	10.7	4.1	13.6	11.2	10.6	3.7
	15	59.4	83.1	79.6	116.5	109.9	129.6	134.3	150.6	129.3	131.8	110.6	137.1	79.7	55.3	70.9	5.3	21.6	9.1	19.2	6.7	5.9	17.6	10.6	0.2	1.7	10.5	5.3	12.0	13.4	0.7	24.8	8.6	17.8	29.3	25.6	2.6
	16	85.9	99.6	83.1	130.3	112.1	140.6	140.2	155.9	144.8	124.3	127.4	103.6	64.5	54.1	44.6	27.2	33.4	6.7	13.0	4.3	8.8	10.7	17.5	4.9	0.9	13.2	7.7	14.1	1.2	9.2	27.5	9.9	7.1	21.8	1.1	3.6
	17	67.3	81.7	84.6	130.7	111.9	138.5	113.1	125.5	115.3	112.9	133.6	112.2	53.0	66.3	49.7	10.3	7.3	6.4	19.7	7.8	6.4	4.2	7.2	13.4	7.8	12.6	15.4	13.3	3.5	12.8	3.9	7.7	10.5	8.8	21.3	18.4
	18	76.3	76.3	89.2	144.1	145.1	128.5	121.3	150.0	125.5	117.9	120.4	115.1	62.1	61.4	64.9	21.8	23.0	12.5	10.8	23.5	11.9	7.5	0.1	18.7	12.7	6.1	6.7	0.6	9.8	18.3	0.9	0.4	4.8	19.5	2.2	35.5
	19	97.5	72.5	99.3	131.6	126.7	113.2	116.8	118.1	128.0	129.5	103.1	119.0	48.0	64.4	61.8	25.5	16.3	12.4	0.3	20.2	4.4	8.2	15.5	0.1	18.2	9.5	0.8	11.4	8.2	27.6	11.2	6.6	6.8	33.4	23.6	3.7
	20	83.9	86.0	85.8	122.7	127.0	132.1	134.0	144.9	147.3	124.3	127.4	113.3	62.0	73.4	78.2	17.8	32.6	23.6	21.2	29.3	4.1	1.2	0.2	13.4	18.1	1.9	1.6	0.4	9.0	15.3	6.5	1.3	7.4	17.8	25.8	12.0
	21	74.7	61.9	108.8	118.6	118.2	101.0	129.7	133.2	123.0	112.3	115.8	106.4	56.6	47.3	57.2	1.1	22.8	19.1	13.5	2.7	0.7	6.9	0.6	9.8	11.1	18.7	19.3	11.8	8.8	2.2	9.6	9.7	27.5	20.2	5.6	11.5
	22	94.9	92.8	77.3	121.7	130.0	124.3	110.4	136.2	143.0	113.2	100.3	115.9	38.0	70.3	51.5	22.1	22.9	34.7	22.5	29.5	11.9	4.6	14.2	0.9	28.4	16.9	4.9	3.9	0.4	2.7	7.3	0.9	16.6	5.4	7.8	4.8
	23	66.7	84.2	74.6	121.4	136.4	131.5	109.5	127.3	127.2	115.5	115.9	103.9	64.4	41.9	52.9	17.1	23.5	22.4	23.6	0.2	7.8	5.2	9.2	1.1	14.9	16.0	5.4	11.7	0.5	3.0	15.4	8.4	1.1	17.7	17.5	
	24	100.6	103.2	92.7	117.5	113.7	111.6	125.0	127.3	122.7	135.2	115.3	112.7	56.4	42.3	71.9	10.3	19.8	34.3	13.5	2.1	18.7	8.0	7.5	0.5	12.7	4.3	0.8	0.6	0.4	14.9	0.5	1.3	22.8	2.3	19.5	11.6
	25	105.7	81.5	80.0	113.8	125.8	129.4	149.0	144.3	134.9	113.9	100.3	112.2	40.2	45.8	63.2	2.4	28.9	29.4	17.2	30.2	4.6	19.1	18.7	15.7	13.1	19.0	7.9	0.4	0.5	0.9	16.9	9.7	15.1	1.4	14.9	34.3
	26	91.7	98.2	72.1	140.8	112.3	133.6	156.5	144.6	116.0	131.5	109.9	96.1	50.1	50.2	39.3	36.1	27.9	21.4	19.9	16.8	0.7	12.4	9.6	0.9	11.6	19.5	12.1	10.5	3.2	20.5	17.4	11.5	0.5	23.2	7.8	9.8
	27	69.0	86.2	87.9	124.2	117.9	134.8	110.5	138.3	122.9	117.5	131.1	122.3	48.2	54.3	49.0	29.9	15.1	5.9	15.5	4.8	0.1	0.2	15.5	3.2	27.0	4.8	16.0	0.4	11.4	21.8	4.3	2.7	6.0	15.0	17.8	11.7
	28	91.3	74.4	97.2	116.7	125.9	105.4	126.1	157.3	144.5	119.9	118.9	120.9	66.0	62.2	48.6	36.2	15.5	35.8	0.2	6.0	13.1	6.7	0.7	0.7	12.3	4.2	4.4	18.3	9.2	19.2	2.0	14.0	1.3	35.4	30.6	17.8
	29	84.0	70.0	81.0	134.0	118.2	100.6	126.0	115.7	148.0	138.0	142.0	108.1	63.9	46.0	49.3	5.3	20.3	5.9	15.4	10.9	12.7	15.1	12.2	0.2	4.0	2.9	17.4	0.5	0.9	9.3	13.9	0.5	0.7	21.0	38.7	28.5
	30	73.4	93.0	76.8	130.6	123.4	107.8	112.9	133.1	127.6	141.5	99.0	112.9	53.9	56.3	48.2	12.9	19.8	31.2	6																	

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Montalvo	1	85.3	73.6	86.7	118.9	115.5	112.9	140.0	111.0	127.0	114.3	97.3	112.8	75.5	54.8	49.6	37.0	2.7	37.9	13.0	3.1	5.9	3.0	22.9	13.5	12.7	1.0	17.5	2.3	1.9	19.6	8.1	18.3	2.0	19.3	2.0	18.9
	2	90.5	88.5	85.3	124.0	112.8	113.6	119.3	107.4	134.2	130.8	100.5	93.1	56.4	44.4	53.3	13.9	20.3	32.0	13.1	1.1	8.9	0.8	7.7	3.2	1.7	1.5	11.1	4.1	7.5	2.5	4.3	17.8	10.2	25.8	11.4	11.3
	3	62.8	97.4	85.0	130.2	110.0	132.8	121.2	132.7	143.9	95.8	116.0	107.5	44.9	66.0	41.7	2.1	24.3	26.2	8.7	11.9	18.1	13.9	13.0	15.8	5.4	13.2	12.2	11.9	7.7	11.2	5.3	25.4	4.7	1.1	26.3	17.1
	4	87.0	76.9	72.8	108.1	133.4	119.1	130.3	129.5	137.5	98.0	107.5	114.9	75.9	53.2	66.7	3.7	16.1	39.8	1.3	11.8	5.3	1.3	4.4	18.8	13.4	16.4	2.9	2.0	1.5	4.6	13.6	13.9	5.4	9.6	17.9	16.4
	5	78.1	81.9	67.1	120.8	135.0	109.1	132.4	145.2	144.5	116.6	106.3	127.6	50.8	33.8	56.8	24.4	24.2	26.7	7.3	17.2	19.9	5.5	0.3	6.7	1.1	1.2	15.1	6.6	8.3	2.4	3.7	1.8	4.0	27.6	11.5	15.8
	6	93.7	88.3	86.2	123.3	97.7	116.8	112.0	136.3	139.7	104.4	110.5	106.4	58.9	66.0	54.5	20.0	39.8	26.4	2.6	1.3	9.3	9.6	15.8	14.1	6.7	8.9	2.1	7.9	1.6	21.2	22.9	12.5	10.6	23.0	2.3	8.1
	7	86.8	92.3	64.6	99.4	105.5	122.5	129.0	112.6	121.8	118.5	122.7	128.6	54.8	54.3	66.0	36.7	13.0	23.7	2.1	1.4	1.0	13.4	0.6	0.6	4.4	2.0	4.2	1.6	11.4	2.2	23.0	3.9	2.1	31.0	34.2	23.3
	8	95.3	81.0	78.4	121.6	109.2	132.2	116.2	121.4	136.8	122.9	103.7	107.0	64.0	43.4	43.6	14.5	28.9	10.7	0.7	1.1	21.9	0.7	0.3	0.9	9.3	15.2	2.2	1.7	17.0	16.1	5.0	14.0	16.8	9.8	3.9	9.5
	9	77.2	99.5	80.3	111.3	111.6	108.1	142.5	145.6	132.6	128.6	86.3	130.5	64.0	59.4	60.6	9.8	13.5	9.3	2.0	9.8	1.0	10.4	22.6	0.8	11.7	6.9	13.1	19.1	13.8	9.0	10.2	9.6	10.9	30.6	1.1	24.5
	10	82.5	83.8	62.7	127.2	142.2	95.8	123.6	114.0	149.9	105.6	98.6	122.8	60.7	57.3	44.3	11.6	6.4	25.4	23.2	7.9	19.4	10.9	0.6	12.2	0.9	24.7	14.9	24.3	5.2	2.6	9.8	11.0	1.6	21.9	4.9	33.6
	11	57.1	69.4	70.6	111.2	117.9	133.1	130.8	138.8	122.3	126.7	116.2	111.4	71.0	58.2	68.0	20.3	1.2	21.0	6.4	2.6	29.8	4.2	4.8	6.4	2.5	1.2	1.2	10.2	21.7	1.5	1.7	2.1	15.8	1.8	7.8	4.4
	12	75.8	80.1	87.0	123.6	123.4	122.3	121.2	130.0	138.2	102.6	125.4	121.0	50.2	66.5	43.2	35.8	17.3	13.9	11.5	11.4	1.7	0.6	0.4	3.7	14.5	9.5	19.1	15.6	7.8	8.4	22.1	9.0	5.8	13.2	20.3	32.5
	13	92.6	86.8	86.0	116.8	115.4	108.1	131.8	137.9	124.6	113.8	100.8	122.8	51.3	53.3	58.8	16.3	18.0	11.9	1.3	2.5	4.5	0.3	8.5	8.6	1.0	8.0	6.4	12.1	10.7	1.6	9.4	7.7	17.0	23.5	1.4	24.2
	14	60.9	89.6	74.7	131.0	124.3	114.5	126.9	141.3	130.1	115.1	103.6	119.2	55.2	33.9	43.3	31.9	3.0	5.7	16.1	1.1	4.7	7.8	4.7	9.6	2.4	6.1	12.8	27.2	16.8	18.6	10.5	5.9	14.9	11.7	9.4	3.7
	15	56.4	78.6	75.6	110.5	104.3	123.3	130.9	145.6	123.8	124.9	107.0	130.9	76.0	53.0	66.7	5.9	22.9	10.7	17.7	8.3	7.0	17.2	10.1	0.6	1.9	10.1	5.0	12.2	14.1	1.4	24.6	8.3	17.9	27.5	25.6	2.4
	16	81.9	95.2	80.1	127.3	106.3	135.1	134.8	149.1	139.6	121.4	122.2	99.2	62.7	51.9	43.4	26.9	32.8	5.8	13.2	4.4	7.7	11.6	16.8	5.1	1.4	12.6	7.1	14.3	1.9	10.2	27.3	10.0	9.0	22.3	2.3	4.6
	17	64.6	78.9	82.1	125.2	108.0	131.6	110.0	122.3	112.1	107.4	128.3	106.3	49.2	64.4	47.2	9.6	7.9	7.6	18.3	7.1	5.3	4.4	6.0	12.0	8.6	11.1	15.2	14.8	4.2	12.4	5.0	8.4	10.9	9.6	21.8	18.1
	18	70.7	74.4	84.3	136.6	138.4	124.4	117.1	143.5	122.6	114.7	116.8	112.3	60.9	60.1	63.8	21.5	21.2	12.1	9.7	22.8	10.4	6.3	0.7	16.9	13.1	6.0	6.1	1.4	11.2	18.4	2.0	2.4	5.4	18.0	2.7	34.8
	19	92.2	67.1	94.6	126.2	120.5	106.7	111.9	114.6	123.8	124.8	97.0	114.3	45.3	62.1	59.4	27.1	15.5	11.3	1.0	20.1	5.1	7.9	14.3	0.6	19.2	9.8	1.0	10.6	9.9	27.1	12.4	8.4	8.1	33.4	23.7	5.0
	20	80.9	79.8	81.2	118.5	120.9	125.6	129.3	139.5	141.2	120.0	121.6	109.1	60.8	69.4	76.2	15.9	31.0	24.9	18.9	28.2	5.2	1.8	0.9	14.2	18.8	2.4	1.8	2.1	10.5	16.6	7.2	2.4	8.5	15.8	24.3	12.7
	21	71.7	58.7	103.9	112.2	114.8	96.2	123.9	128.0	119.5	106.3	111.0	101.8	54.3	45.4	55.4	2.1	21.4	18.8	13.7	3.1	0.5	6.4	1.0	8.1	12.2	18.5	19.2	12.3	8.9	3.8	11.0	11.5	27.3	19.1	7.3	11.4
	22	92.2	89.6	73.9	114.8	125.1	121.0	105.5	129.6	138.1	106.6	96.8	109.3	36.6	66.5	47.8	21.3	23.3	33.7	21.4	28.3	11.4	4.3	15.0	0.7	27.3	17.2	4.6	4.5	1.5	4.1	8.7	2.0	17.7	5.5	8.8	5.0
	23	63.7	77.8	69.4	117.4	130.7	127.7	105.7	122.5	122.4	111.8	111.2	100.8	62.8	40.8	51.8	15.3	24.3	24.6	24.2	1.4	7.2	5.6	9.8	10.1	6.9	15.9	15.6	5.8	12.0	1.8	5.1	16.0	10.0	1.5	18.9	17.3
	24	95.8	98.7	89.0	112.1	109.5	108.7	118.0	124.3	116.8	128.7	112.4	107.4	53.0	40.0	67.6	9.3	17.7	32.5	13.9	3.0	19.6	8.7	7.0	0.9	13.3	4.2	1.0	1.5	1.8	16.7	2.6	2.3	22.3	2.5	20.4	10.7
	25	100.7	75.6	74.8	107.6	119.3	125.0	143.0	139.1	131.5	109.8	96.3	106.6	38.8	45.1	59.7	2.7	29.9	28.1	16.0	28.8	5.3	18.6	19.3	16.4	13.9	18.5	7.4	1.4	1.9	1.6	18.5	11.4	15.1	1.7	15.7	32.8
	26	88.1	92.4	67.0	135.1	108.6	127.4	149.3	139.9	111.6	126.1	105.2	91.4	47.8	48.4	39.0	34.9	26.1	19.5	19.1	17.4	0.9	10.6	10.2	1.1	11.1	19.5	13.0	10.4	3.8	21.3	18.4	12.6	2.6	23.6	8.2	9.2
	27	65.4	81.9	82.6	116.3	113.3	130.1	107.3	134.4	117.4	113.9	125.2	116.1	45.3	52.4	48.1	27.9	14.2	6.4	16.2	4.2	0.9	0.5	14.2	3.7	26.0	5.0	15.5	1.5	13.2	21.5	5.4	3.8	7.3	13.3	18.9	11.3
	28	88.6	71.2	92.7	109.9	120.7	101.7	123.1	151.0	136.4	116.3	113.0	117.9	63.5	59.4	46.7	34.3	16.6	34.2	0.9	5.9	12.4	7.0	0.3	0.6	10.9	4.5	5.0	18.3	9.3	20.2	3.6	13.4	1.5	34.0	30.3	16.9
	29	80.8	67.2	77.0	128.2	114.3	96.8	121.1	111.6	142.0	132.3	134.9	105.1	61.5	42.4	47.9	5.2	19.5	5.8	16.3	10.1	13.8	15.9	11.1	0.5	3.4	3.6	17.5	2.5	1.5	10.1	15.4	2.7	2.7	19.2	37.1	27.3
	30	68.0	89.9	71.5	125.2	118.1	103.7	108.2	125.6	123.0	134.6	95.2	105.9	52.0	52.7	47.8	14.3	18.1	31.3	8.0																	

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Montalvo-S	1	73.1	69.0	72.0	116.5	106.7	115.9	123.2	111.2	122.1	108.7	98.0	112.0	67.6	58.1	46.2	33.2	21.9	23.8	7.2	1.9	8.3	1.7	18.4	7.6	7.1	0.4	21.0	9.6	1.6	19.6	15.2	20.5	7.6	20.6	13.1	25.2
	2	73.9	91.3	72.6	124.4	102.8	104.9	115.6	119.0	135.5	120.9	87.4	93.0	60.8	47.8	51.1	26.9	29.6	33.3	7.3	7.6	9.1	5.9	4.0	9.0	7.7	10.4	2.1	14.5	12.5	14.4	9.3	13.9	16.9	12.9	9.4	
	3	62.4	86.6	72.7	118.3	107.6	123.9	122.9	131.3	127.0	87.6	111.5	110.7	35.9	48.1	35.5	4.8	30.2	26.6	10.0	6.8	19.3	11.5	8.1	8.5	2.8	14.4	7.1	10.8	4.3	14.3	5.2	16.8	2.5	0.5	14.6	11.1
	4	89.2	76.1	63.0	112.3	125.9	110.6	127.4	119.2	121.7	93.4	107.2	98.8	62.4	54.0	66.1	13.2	8.9	34.7	11.6	19.7	5.7	3.7	2.5	21.8	16.6	9.1	7.7	8.4	0.7	2.5	7.4	11.7	6.4	17.2	10.0	9.3
	5	70.6	79.8	76.0	110.3	131.9	109.2	116.4	132.8	126.7	115.2	107.7	119.6	38.7	42.8	47.2	29.2	13.6	32.1	4.2	19.7	11.8	3.2	0.1	4.3	4.0	7.6	14.3	7.2	6.9	10.3	5.7	0.8	13.7	21.6	16.1	10.2
	6	89.7	87.4	74.6	122.3	104.0	108.7	118.7	116.9	137.0	90.6	96.7	104.8	50.4	52.0	52.2	24.7	30.8	24.4	6.7	4.6	15.3	11.0	8.3	8.0	3.8	5.1	1.1	13.0	0.7	16.6	22.1	6.8	8.2	12.2	12.4	4.5
	7	79.5	87.8	76.2	97.2	100.6	122.5	117.7	108.3	114.5	104.0	110.4	114.8	55.6	48.3	51.6	31.3	17.7	27.3	11.3	11.6	4.6	14.4	0.3	0.3	4.7	7.8	6.3	0.7	6.5	6.6	19.5	2.0	7.4	17.1	24.9	28.4
	8	84.7	70.4	70.8	115.8	105.4	128.1	116.1	127.0	132.1	109.7	104.4	97.6	56.0	38.8	50.2	28.3	26.2	14.0	3.3	8.0	18.8	0.3	0.2	2.3	12.3	14.8	3.3	0.8	13.5	11.4	10.1	7.3	11.4	5.2	11.9	13.9
	9	78.6	82.6	80.1	120.5	100.5	100.3	133.4	124.5	134.9	120.8	98.1	105.4	54.2	53.8	62.7	16.8	25.9	10.1	2.8	20.5	9.2	10.6	12.6	3.5	6.9	3.6	11.3	18.9	7.8	4.6	5.8	4.9	5.6	21.3	0.5	24.2
	10	79.5	85.2	77.0	110.5	133.1	97.3	126.4	124.5	127.3	98.9	90.7	109.2	57.3	42.7	45.0	15.6	8.0	22.3	22.0	10.2	22.6	6.4	0.3	7.8	4.5	13.5	9.1	13.3	2.8	12.2	16.5	5.7	0.7	27.1	2.5	18.2
	11	63.9	81.1	77.0	111.0	122.4	133.0	120.2	117.8	123.5	112.5	114.3	95.4	49.8	52.9	66.0	18.4	2.7	20.2	3.5	11.3	16.4	2.2	9.4	4.0	1.4	6.9	0.5	11.1	11.9	0.6	0.8	8.6	8.8	9.7	4.4	2.4
	12	82.7	74.5	81.3	111.9	117.7	116.8	119.1	125.6	134.7	88.6	116.2	101.8	44.6	52.0	45.8	30.1	29.4	23.0	6.3	11.3	14.4	2.4	0.8	13.3	17.7	5.1	20.9	11.2	15.9	13.5	24.2	5.1	9.9	12.2	17.5	20.5
	13	79.3	86.6	72.3	116.8	111.6	110.9	131.1	135.2	114.0	111.5	103.8	100.2	55.2	52.4	45.6	12.3	22.9	9.5	13.0	15.0	11.9	0.2	6.5	14.1	0.4	5.4	6.7	6.5	14.4	3.4	5.2	16.2	17.1	13.0	5.6	14.9
	14	76.2	78.6	82.4	131.3	127.4	109.8	123.0	139.3	118.9	114.8	100.7	99.6	54.7	37.5	52.6	32.3	5.4	9.4	20.8	8.7	2.6	4.5	2.5	5.3	1.3	8.4	14.0	22.3	9.3	10.8	5.9	12.5	11.8	20.6	6.8	1.8
	15	69.9	69.1	71.2	118.9	101.2	115.5	127.4	141.0	124.4	105.6	94.3	122.1	56.1	40.6	54.2	16.8	19.4	21.0	10.0	18.3	13.9	9.4	10.8	0.3	1.0	12.1	5.9	18.0	10.8	0.6	18.4	4.7	9.8	20.0	19.3	1.2
	16	82.9	78.9	69.4	124.5	102.1	125.7	121.5	128.2	131.4	118.4	118.7	96.9	57.5	59.0	50.1	18.8	27.5	4.8	10.0	6.2	7.3	14.6	9.9	7.2	4.1	10.9	4.1	7.6	1.9	5.9	14.8	12.2	16.2	29.1	18.3	14.4
	17	65.1	73.9	77.9	122.9	110.0	112.9	122.7	121.5	123.2	104.7	116.8	96.4	51.5	62.7	51.1	11.9	23.7	18.6	10.2	4.1	3.0	11.3	3.5	6.9	10.3	12.1	19.0	8.6	2.0	6.9	10.6	10.8	14.7	13.3	11.5	22.2
	18	68.2	80.7	71.7	116.2	118.9	122.3	119.4	131.3	124.0	103.5	111.6	105.2	44.6	51.0	55.8	23.0	18.3	23.9	10.3	20.5	10.7	5.4	4.7	9.5	16.3	3.4	3.4	0.6	16.7	10.0	3.6	13.2	2.9	12.8	7.2	33.4
	19	89.1	61.5	76.1	115.9	110.6	109.0	108.1	121.4	120.4	118.6	88.0	94.2	52.4	62.4	58.0	28.4	9.0	11.7	2.3	17.8	14.1	15.4	15.8	3.1	21.1	5.1	3.5	6.0	11.6	14.8	9.3	10.7	11.8	26.1	18.9	13.8
	20	86.9	69.9	68.1	108.2	120.7	114.3	132.6	128.0	138.0	114.2	108.3	102.4	50.3	57.3	72.2	20.3	30.8	30.6	10.7	15.5	8.3	11.0	2.0	10.9	17.1	1.3	1.0	12.0	15.2	8.7	3.7	7.8	10.9	23.6	21.3	21.4
	21	76.2	68.9	98.9	105.4	118.2	93.3	128.1	113.3	127.6	99.4	99.7	88.1	49.4	43.7	45.2	17.2	11.9	14.5	7.2	11.2	0.2	4.3	8.2	4.8	12.2	20.5	14.0	11.5	5.3	11.4	11.0	12.0	14.9	10.6	18.7	20.4
	22	94.2	82.8	71.2	122.4	110.9	123.4	105.2	116.4	122.8	101.4	99.3	97.4	39.5	53.4	44.5	16.8	28.8	37.5	11.9	15.6	6.1	10.9	16.8	0.3	17.0	19.0	2.5	2.4	0.7	10.1	11.9	0.9	9.3	11.9	21.2	12.1
	23	76.1	70.9	67.7	106.2	118.4	122.7	109.3	111.0	120.3	99.8	111.2	91.3	64.4	38.6	44.0	22.6	16.3	32.2	28.7	11.5	4.0	2.9	8.4	13.3	6.9	19.3	8.5	6.1	15.7	0.8	15.8	8.6	10.3	0.7	27.3	20.0
	24	79.6	93.9	87.5	112.4	112.5	110.6	115.4	130.1	127.0	119.7	108.9	103.7	59.5	39.0	49.0	7.1	10.3	22.6	7.3	13.0	11.6	11.6	5.8	0.4	7.0	2.3	0.4	0.6	4.0	19.3	11.6	6.6	12.2	6.6	14.4	18.4
	25	94.5	69.2	72.9	99.4	112.4	113.9	133.3	124.1	125.6	93.4	104.7	108.5	43.9	46.4	53.5	3.4	35.1	24.8	16.7	15.9	2.7	21.9	15.5	13.2	13.1	12.7	4.2	0.6	1.6	4.1	9.8	9.9	12.4	7.4	13.0	21.3
	26	86.4	74.3	62.8	131.3	114.7	117.8	134.7	137.9	119.2	119.6	99.1	91.4	45.1	43.5	47.6	20.0	16.1	23.7	10.5	17.0	6.0	9.2	5.4	6.1	8.8	20.0	6.8	8.4	1.9	17.1	17.7	19.0	12.3	25.4	4.3	7.3
	27	78.2	77.7	77.6	111.1	111.3	122.7	108.1	124.1	115.3	107.7	106.1	103.8	39.7	39.3	42.3	22.8	11.0	16.6	10.4	2.4	8.4	0.2	7.9	1.9	14.3	2.6	13.4	0.7	14.7	22.9	8.4	1.9	16.8	13.0	12.8	13.6
	28	89.8	72.7	89.8	106.3	110.5	113.3	117.5	139.8	120.5	113.4	109.3	116.4	55.6	53.3	44.2	21.3	27.3	34.3	1.9	14.2	10.9	3.7	0.3	0.2	10.1	2.8	2.6	10.2	9.4	13.3	9.3	7.5	0.6	18.4	28.1	9.8
	29	85.4	65.3	70.6	127.7	114.1	98.8	112.0	112.2	120.3	123.2	114.9	95.1	58.3	36.3	45.5	5.8	24.5	14.1	8.6	12.7	14.5	13.7	6.3	0.2	1.9	1.8	9.5	12.4	0.7	5.2	15.8	14.0	12.6	12.4	35.2	31.5
	30	69.3	72.4	79.4	116.1	123.1	109.8	109.4	114.6	120.6	109.7	98.8	93.6	54.2	42.5	48.4	21.9	13.3	29.3	12.6	4.5</td																

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Quinsaloma	1	106.9	132.3	107.4	127.8	169.1	157.0	131.0	114.9	158.1	148.5	122.4	109.2	64.3	84.1	85.8	36.5	20.1	41.8	11.6	37.4	18.0	0.0	25.3	0.2	15.9	0.9	0.8	0.7	17.6	4.9	11.4	0.6	7.1	47.4	23.2	26.1
	2	102.7	134.8	83.3	127.8	163.4	168.1	154.2	136.3	160.0	100.6	114.7	152.3	43.4	59.6	99.9	6.7	27.1	19.9	29.5	10.1	13.7	7.9	7.1	30.4	3.4	1.1	12.9	23.6	0.8	0.4	22.4	5.1	7.0	14.6	25.7	32.1
	3	90.3	100.4	96.1	170.1	154.8	125.9	153.8	154.0	164.1	154.0	142.7	136.6	70.6	86.5	54.0	51.0	13.9	45.8	0.3	0.4	0.5	1.2	0.8	13.5	0.6	32.0	0.5	3.1	0.2	0.0	28.8	21.7	20.2	32.3	36.5	37.6
	4	90.0	119.5	90.4	151.2	161.7	164.5	143.1	118.0	168.6	116.0	128.6	139.4	96.2	50.7	79.1	46.3	31.9	53.5	0.2	0.8	0.6	30.2	2.8	0.2	26.3	0.6	0.6	7.1	35.4	1.0	3.7	12.5	0.7	25.8	28.3	30.6
	5	118.1	101.5	122.3	166.7	118.8	128.0	165.5	123.5	150.1	101.8	136.9	107.5	44.2	93.1	86.5	47.9	27.4	50.7	28.4	1.3	24.9	26.3	24.5	18.1	0.0	18.1	0.6	0.7	0.6	5.3	1.0	0.2	18.2	44.0	59.0	25.4
	6	101.0	117.5	123.1	116.7	166.9	165.9	139.6	147.6	150.7	155.2	155.1	138.8	59.5	68.2	43.5	11.8	28.9	12.0	1.4	0.6	30.6	25.6	22.2	11.4	0.5	0.8	24.6	31.0	21.4	29.5	1.4	0.1	1.1	61.2	66.7	18.5
	7	89.7	90.4	130.6	138.8	130.4	135.3	138.8	122.8	144.9	128.1	151.1	133.4	78.6	57.8	88.5	25.7	2.2	16.8	0.3	9.2	4.5	27.4	0.7	18.3	12.4	12.0	0.0	0.6	25.0	32.0	30.2	26.8	0.7	25.0	59.3	38.9
	8	95.2	131.4	89.1	140.7	146.2	166.1	121.2	158.8	120.7	151.1	131.0	141.6	42.8	63.4	51.3	37.4	11.3	40.5	36.4	0.3	13.6	0.9	18.9	0.4	15.1	0.9	0.3	0.1	13.5	17.9	1.3	18.5	23.4	53.1	36.9	49.3
	9	115.5	114.7	97.2	120.1	158.7	134.5	163.1	129.7	163.7	139.1	119.6	104.1	69.5	44.9	53.0	46.6	34.5	48.1	0.2	1.3	35.7	0.4	6.7	3.0	15.5	0.6	0.6	0.2	0.0	23.6	0.2	14.8	3.0	30.1	65.2	30.4
	10	135.0	107.9	109.7	164.6	117.8	159.7	139.5	131.7	135.7	102.3	100.5	136.7	51.6	48.0	50.1	42.4	55.1	9.5	37.3	0.8	0.1	17.8	0.8	13.3	6.5	0.6	14.0	24.6	0.1	0.4	11.2	4.6	27.0	45.6	48.1	28.5
	11	133.4	96.7	133.6	168.2	118.3	133.6	166.2	159.3	153.3	125.3	141.1	98.7	97.3	51.0	54.1	20.8	1.3	30.7	28.0	31.1	0.6	1.1	0.6	18.0	7.9	0.2	0.2	12.3	25.0	14.7	33.8	34.5	0.6	52.5	24.0	66.6
	12	136.5	83.4	117.6	169.0	169.7	134.1	157.3	123.7	146.3	154.3	127.3	147.7	43.8	95.9	98.3	57.5	23.9	8.1	1.4	10.8	25.5	0.8	9.1	1.3	11.2	31.1	0.0	0.0	12.2	19.6	23.0	18.2	15.8	59.2	38.1	56.4
	13	121.3	101.0	125.9	135.1	138.3	155.4	147.2	114.8	126.8	136.8	144.9	115.4	46.0	80.0	49.8	9.1	27.3	9.9	7.3	26.1	33.7	4.6	0.1	10.9	0.0	0.0	11.5	4.1	11.8	31.4	0.7	14.4	0.4	66.4	36.9	15.4
	14	105.2	91.7	110.8	152.4	116.8	133.8	143.4	142.5	144.1	121.9	125.7	116.3	77.7	63.8	43.8	44.2	45.6	48.9	12.7	8.8	26.4	0.4	0.3	0.1	23.5	0.7	0.1	3.1	28.6	22.4	0.1	0.4	12.2	41.0	62.5	45.0
	15	127.8	125.1	91.2	143.2	124.3	135.1	151.0	144.4	170.0	148.6	107.5	139.5	49.4	93.0	68.3	16.1	4.4	12.8	0.2	0.3	0.6	0.0	31.0	0.9	21.1	0.7	14.1	0.3	31.0	13.0	18.1	0.3	0.8	46.4	57.5	47.1
	16	116.2	87.8	96.1	118.8	164.3	156.0	159.8	132.1	131.3	110.1	128.9	113.4	43.3	77.0	87.0	14.1	6.2	55.1	16.0	23.8	33.1	3.5	25.9	0.1	27.5	14.4	0.4	24.3	29.9	18.8	1.8	0.3	15.3	48.5	37.5	15.4
	17	106.5	90.9	116.5	145.1	149.2	163.9	164.5	148.7	144.8	113.3	148.0	127.4	74.8	90.8	79.1	23.2	13.1	43.8	1.2	0.7	32.9	6.0	22.8	0.4	25.8	24.4	12.6	0.3	32.6	13.3	18.7	1.2	0.7	31.0	33.4	47.1
	18	122.5	110.9	131.3	129.3	119.1	169.7	123.3	156.7	126.6	102.1	136.0	122.1	47.9	91.4	84.2	26.7	38.0	38.9	0.9	22.1	36.0	22.5	0.6	20.7	17.9	1.4	17.6	9.3	21.4	6.3	18.8	0.7	0.2	25.7	34.7	65.1
	19	127.4	119.2	102.4	124.2	149.6	166.1	160.1	160.7	161.6	128.9	128.0	147.6	92.1	91.9	80.3	30.6	40.2	34.9	0.9	1.1	0.4	19.5	28.4	0.0	24.0	26.2	25.2	17.9	0.7	20.4	23.8	0.8	10.6	20.2	13.9	29.3
	20	114.4	104.6	106.8	137.5	121.4	147.4	139.5	165.5	141.1	132.1	109.3	102.6	49.8	98.4	71.8	40.5	30.9	49.9	36.7	1.0	0.3	16.5	0.4	5.9	0.6	0.0	5.4	0.2	12.1	1.3	22.3	34.2	37.9	64.4	45.6	59.2
	21	115.0	127.1	104.2	130.8	147.7	160.3	123.9	147.7	117.9	156.8	154.2	137.5	65.8	43.2	97.5	38.3	11.7	26.3	17.2	36.2	25.6	0.5	20.5	20.1	0.5	0.6	19.0	1.0	32.7	6.8	8.9	5.4	0.9	11.8	19.5	18.1
	22	108.9	83.8	99.8	168.9	165.2	144.2	162.7	124.3	141.8	128.6	119.0	126.5	84.6	60.4	85.8	38.5	14.1	18.9	0.7	0.5	36.4	29.1	0.6	31.0	17.9	11.3	23.9	1.0	0.1	1.0	0.8	16.5	13.1	29.2	59.9	65.2
	23	122.8	118.4	102.3	150.2	141.5	124.9	120.8	120.6	140.2	142.6	146.6	127.2	98.9	47.4	54.1	48.8	26.8	14.8	0.5	2.5	20.8	0.0	14.8	1.6	0.6	30.8	4.2	0.4	0.3	0.5	2.5	0.2	0.3	29.8	53.6	63.1
	24	109.2	98.2	107.1	165.0	150.5	122.7	164.9	155.4	152.8	151.6	126.9	106.9	81.8	58.2	80.2	10.7	25.9	14.1	17.8	13.5	0.0	1.5	0.3	0.4	9.7	11.9	22.5	10.4	0.4	17.0	0.5	36.1	16.4	51.7	21.2	63.9
	25	95.3	138.0	128.9	156.6	120.3	150.8	151.6	129.7	134.1	103.8	117.6	127.3	80.8	65.2	75.5	10.3	17.2	38.0	11.0	0.6	1.0	1.1	8.5	3.8	31.6	18.0	0.1	0.2	0.6	22.8	2.7	1.0	30.3	50.6	41.4	35.1
	26	95.6	118.6	121.1	123.9	163.0	162.4	166.1	159.7	127.9	129.7	148.4	127.2	57.2	67.0	48.9	34.0	6.7	33.0	9.9	22.5	24.5	11.4	0.2	30.0	0.2	1.4	7.6	0.6	17.8	24.0	22.4	22.8	1.1	60.4	23.2	46.5
	27	95.8	117.7	98.4	162.4	121.2	157.7	121.8	148.6	120.6	150.6	155.3	121.9	76.2	90.7	87.7	54.5	50.7	34.0	16.8	2.8	0.6	0.6	13.6	0.6	14.1	23.2	33.2	0.9	1.0	21.0	0.9	0.7	0.6	51.4	26.6	49.8
	28	116.1	128.3	115.7	132.7	145.5	117.3	128.9	142.5	171.0	125.7	99.1	124.9	55.9	81.1	63.9	36.8	8.8	46.0	0.3	28.3	0.8	0.0	29.4	27.0	26.3	0.2	12.8	31.3	1.0	0.8	3.2	15.0	37.5	63.8	56.0	30.4
	29	137.4	81.1	133.8	117.2	158.0	120.4	128.4	144.2	146.7	110.6	154.4	100.0	53.6	95.8	68.8	57.8	57.7	55.1	0.1	0.3	8.5	23.5	7.1	0.4	29.7	0.7	0.1	0.7	19.9	25.4	19.1	0.7	6.9	60.3	62.0	51.1
	30	118.1	90.3	130.5	117.8	125.0																															

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Quevedo	1	112.7	126.8	104.0	134.5	159.7	152.0	142.9	127.1	156.4	154.9	135.3	115.4	75.9	88.6	88.1	41.7	30.8	48.3	18.5	38.6	15.2	1.2	22.7	3.6	20.1	8.3	3.5	8.8	16.5	9.6	10.1	4.3	10.2	45.0	21.1	28.5
	2	102.2	132.9	87.8	125.6	159.1	165.3	162.5	146.9	161.3	119.8	127.0	153.3	60.2	70.5	104.3	15.7	34.6	31.4	28.1	8.9	13.2	6.5	5.7	24.8	8.9	7.0	14.0	18.1	8.4	2.4	18.0	7.9	5.9	20.2	26.4	33.2
	3	89.4	100.2	102.4	165.3	146.5	136.9	156.5	155.7	166.9	153.6	147.8	141.0	79.2	86.2	65.8	54.0	19.2	46.6	4.7	4.1	6.1	8.6	6.7	13.0	7.3	31.0	3.7	6.1	2.3	1.4	28.6	16.5	16.0	34.4	31.8	41.6
	4	93.2	122.4	99.4	146.3	159.2	158.1	154.7	135.8	168.4	127.3	136.9	145.5	98.7	64.2	81.5	42.4	38.4	55.0	2.5	8.8	7.3	24.6	2.2	0.5	25.8	6.8	4.1	5.3	31.0	6.3	5.3	17.5	7.9	24.2	35.1	31.8
	5	114.6	107.8	125.3	158.1	129.0	128.1	163.1	139.2	154.4	113.7	136.6	117.5	54.1	94.6	91.8	48.0	35.4	46.0	30.0	8.9	25.5	23.4	27.3	18.4	0.1	17.0	8.6	7.0	6.9	11.7	4.8	2.1	22.2	43.4	51.6	25.5
	6	104.2	119.0	116.8	119.8	163.7	162.2	146.6	154.0	155.5	161.2	159.1	140.1	69.5	80.1	51.2	17.1	34.6	23.3	10.3	2.6	28.3	22.5	17.7	9.8	5.5	1.8	24.8	26.2	19.6	23.7	10.0	0.6	1.9	56.7	61.8	21.4
	7	98.5	97.1	123.1	143.0	135.0	138.0	142.5	127.4	151.6	133.5	157.9	140.0	81.5	67.9	86.3	33.0	19.8	27.2	2.8	7.5	6.7	23.0	1.8	17.4	12.9	9.3	1.1	6.5	21.5	24.3	27.7	23.5	3.9	26.9	50.1	42.4
	8	103.1	123.7	96.9	147.9	146.8	163.3	132.5	163.1	138.1	157.2	133.4	146.6	51.4	68.4	59.3	42.3	19.4	40.1	27.7	2.8	17.7	7.0	17.4	1.7	18.6	5.5	2.2	1.8	17.7	17.5	10.3	18.2	20.5	45.3	37.8	44.9
	9	117.3	117.9	100.2	130.4	151.4	138.0	160.9	135.9	169.0	139.4	128.9	113.3	73.3	59.0	63.8	49.1	44.3	42.7	3.4	2.3	33.8	1.7	5.5	3.0	14.5	5.1	5.6	2.3	0.0	18.2	1.9	13.4	3.5	27.7	56.7	32.3
	10	129.4	104.1	115.5	157.9	129.2	152.6	144.4	135.1	142.3	118.7	116.6	147.8	59.6	57.3	60.4	45.4	56.0	22.1	30.0	6.2	1.2	18.1	3.5	12.7	12.0	3.3	13.5	20.2	1.7	4.8	9.1	8.4	23.5	43.0	47.5	36.1
	11	127.4	97.0	128.9	167.8	125.8	141.6	171.6	163.6	155.5	131.7	139.7	107.6	101.4	60.8	67.7	23.4	7.8	35.5	21.4	25.9	2.5	7.6	6.1	21.7	6.0	3.7	1.6	12.0	22.3	19.5	26.8	27.1	6.0	56.1	23.4	59.4
	12	126.6	86.7	116.3	161.8	166.3	132.5	159.6	133.3	146.4	154.9	137.9	146.2	60.7	100.3	92.1	58.9	37.1	13.9	8.9	17.6	26.2	8.6	10.1	5.1	16.7	28.1	0.7	0.3	11.2	14.9	23.3	15.1	19.8	53.5	39.7	52.2
	13	121.4	107.2	125.8	143.1	135.7	154.8	153.1	132.0	144.0	144.4	144.5	124.4	64.2	87.4	62.0	19.9	31.9	19.2	6.5	28.9	27.0	5.1	1.0	9.0	0.5	0.0	14.1	9.0	10.7	28.0	8.1	15.8	1.3	65.2	38.2	15.6
	14	108.5	99.5	111.8	154.9	124.8	138.0	153.4	145.9	155.1	125.6	131.9	125.2	83.0	76.4	61.5	42.0	51.5	54.4	16.4	7.3	21.8	0.9	3.9	0.2	23.7	5.8	0.8	8.9	26.8	22.4	0.3	3.1	10.0	36.7	59.0	37.5
	15	124.2	125.4	99.1	143.7	135.0	137.2	159.2	154.2	171.6	156.9	117.0	139.4	60.0	94.5	79.8	22.4	17.9	25.9	0.7	5.1	6.7	1.5	28.4	5.1	23.5	7.5	17.4	0.9	27.1	17.5	18.3	5.1	1.8	43.2	49.2	47.8
	16	110.1	95.0	95.8	131.2	158.5	159.1	166.8	137.2	137.2	116.9	135.8	124.2	54.5	84.7	89.3	21.8	22.9	52.3	14.1	20.0	27.5	7.6	24.5	1.7	22.4	18.6	2.1	20.1	27.6	16.0	1.5	1.4	17.2	47.4	36.1	19.5
	17	112.1	99.4	111.1	144.4	147.9	161.7	169.5	151.8	147.2	128.1	147.5	136.8	81.6	89.9	88.7	25.3	22.6	41.4	7.9	7.8	26.5	6.1	22.2	2.0	22.2	20.9	16.7	1.1	30.0	15.2	18.8	1.9	7.9	34.3	34.5	44.5
	18	124.7	110.5	127.0	134.8	126.7	165.2	132.2	156.7	136.0	115.2	136.5	133.8	60.4	98.7	86.6	29.3	35.6	46.2	3.9	18.5	29.4	17.8	4.4	22.2	20.0	8.4	20.9	8.8	23.9	8.0	24.0	6.7	1.7	27.0	39.3	59.8
	19	119.4	118.3	107.0	126.0	153.7	156.6	167.9	158.4	165.6	136.8	138.0	154.6	92.6	98.0	89.4	38.1	36.7	43.3	4.4	7.1	6.1	21.8	22.6	0.0	22.3	25.5	20.7	14.9	8.2	18.1	19.5	3.0	12.2	21.7	23.3	25.7
	20	119.8	109.9	108.9	141.3	123.1	152.7	142.2	170.6	145.1	135.4	116.2	111.3	61.9	94.1	84.4	39.7	35.3	55.6	36.8	6.1	3.6	13.7	4.0	6.7	3.5	1.5	4.1	1.3	14.4	6.7	23.8	29.3	34.3	61.0	46.8	53.4
	21	112.3	124.2	110.4	137.3	142.9	154.2	133.4	148.0	126.7	163.6	150.8	147.9	71.7	62.1	96.1	40.0	19.2	35.8	17.0	33.3	23.0	1.4	18.7	17.0	6.7	8.1	16.7	8.3	24.9	12.6	10.6	6.2	9.4	17.9	21.2	21.4
	22	113.4	87.7	98.6	163.9	164.3	146.7	163.9	135.4	150.7	130.7	124.5	133.1	90.7	65.6	94.1	37.9	20.2	26.1	3.0	7.1	35.9	23.6	2.1	30.2	14.7	10.1	24.0	7.0	1.9	8.6	7.9	20.8	14.4	36.0	49.4	52.1
	23	115.0	115.9	105.1	144.7	138.3	137.3	138.8	128.5	146.9	151.5	150.3	130.1	97.7	55.3	67.6	45.1	30.6	25.4	6.9	9.3	19.0	0.7	11.9	3.4	4.6	28.3	11.2	4.1	3.5	7.2	3.4	1.5	4.2	29.6	47.3	59.8
	24	106.3	100.2	106.3	163.6	145.9	125.4	168.2	162.1	155.3	156.7	134.4	114.1	87.4	73.6	84.0	24.6	26.1	24.4	21.7	18.7	0.2	1.7	1.6	13.5	18.1	18.8	13.3	2.5	20.4	6.5	36.1	21.7	47.3	28.1	58.1	
	25	101.5	130.9	126.6	152.9	129.1	153.0	160.7	138.8	141.1	111.5	133.2	137.1	90.1	68.8	75.6	22.1	27.8	45.3	9.2	3.7	9.1	8.3	6.8	7.6	24.9	16.1	0.9	2.1	7.3	17.6	6.6	6.9	27.5	46.5	38.0	37.8
	26	91.8	115.5	119.9	130.5	161.3	157.7	161.4	161.2	143.3	133.7	154.6	137.0	65.7	72.9	63.8	40.4	16.6	35.9	13.9	20.2	23.7	9.7	0.3	26.5	0.7	1.5	6.0	6.3	19.2	25.5	18.1	20.7	6.0	54.7	26.6	46.1
	27	99.6	110.9	99.3	161.3	122.5	155.9	132.8	149.6	130.6	150.4	153.5	127.6	82.3	94.0	94.9	55.3	52.3	40.7	20.4	4.5	1.4	2.7	16.1	2.6	12.3	20.3	26.4	5.6	6.7	23.2	8.1	7.3	6.9	53.1	34.3	42.3
	28	117.2	125.4	113.8	135.2	143.8	129.4	137.8	146.3	170.9	136.6	109.1	134.9	67.8	79.9	75.6	42.2	15.8	47.4	2.1	27.8	8.4	1.6	28.5	22.0	29.0	1.5	17.0	28.3	7.0	9.3	6.0	14.1	29.7	59.1	50.6	31.0
	29	134.4	85.8	126.1	123.1	152.5	122.9	141.7	152.9	149.6	125.5	152.9	110.2	61.8	97.9	78.5	57.1	62.1	54.8	1.8	4.3	7.7	23.1	5.9	3.5	27.3	8.2	1.8	7.3	15.4	22.2	15.9	3.2	7.0	49.9	52.4	44.5
	30	111.6	99.9	124.3	12																																

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Valencia	1	139.9	121.2	89.0	153.8	131.0	137.1	186.3	164.4	156.8	178.6	189.7	141.2	130.2	118.6	104.8	65.3	76.5	75.5	46.7	46.9	9.2	2.9	18.1	14.7	38.8	33.6	4.2	41.3	5.9	26.5	1.8	15.8	21.1	41.9	13.4	40.9
	2	105.0	143.7	110.6	121.9	148.3	157.6	192.7	183.4	177.5	192.7	176.3	155.9	125.6	115.1	130.6	40.6	61.0	77.0	24.9	3.6	9.6	1.6	0.6	7.9	31.8	20.9	21.2	1.9	41.6	3.9	3.6	20.2	1.9	48.0	25.0	33.6
	3	94.2	103.1	138.9	152.4	125.8	181.0	158.7	163.0	177.3	157.9	171.3	163.6	112.4	86.7	103.2	77.0	40.9	52.8	20.1	11.4	28.9	31.9	31.1	15.4	35.5	34.0	15.7	14.2	10.1	3.4	36.7	1.2	2.6	41.3	11.4	67.3
	4	111.4	139.6	135.2	126.6	161.9	139.5	201.5	199.4	170.9	165.2	173.0	172.5	111.3	114.0	96.4	29.6	61.3	75.8	10.8	43.4	34.2	5.7	0.4	0.1	32.2	33.7	17.1	0.4	18.2	25.0	13.1	31.9	37.7	19.5	67.7	41.9
	5	116.0	137.0	145.3	137.6	161.3	130.1	152.7	195.2	178.2	158.5	139.9	156.5	88.6	104.4	118.2	53.2	69.3	32.7	37.4	36.8	31.9	15.5	38.5	22.3	0.1	15.2	38.1	34.9	40.5	15.6	9.0	41.5	52.5	35.5	30.1	
	6	127.2	134.5	104.1	127.1	169.4	157.1	164.1	174.2	174.7	190.1	186.4	145.9	107.4	129.4	78.3	27.2	62.1	71.6	44.4	3.1	21.1	13.1	5.3	7.0	27.3	0.2	28.8	10.8	16.0	4.8	39.0	2.5	5.0	43.3	57.8	31.4
	7	139.3	124.2	102.4	164.9	159.1	142.1	157.2	144.9	169.9	156.8	189.6	174.1	101.5	106.0	83.0	62.6	80.8	61.1	14.0	1.5	9.8	12.1	0.2	18.1	15.7	1.0	2.8	31.7	11.7	1.8	20.3	14.0	14.3	36.3	18.0	57.5
	8	134.1	94.7	126.4	181.7	159.0	165.1	167.1	190.1	195.8	192.1	138.8	176.2	86.1	87.7	82.8	69.1	51.4	41.1	2.1	13.4	36.7	27.5	8.7	2.6	34.8	20.9	8.3	5.3	35.8	17.9	39.1	16.9	14.9	25.1	47.7	33.0
	9	136.6	136.7	121.0	171.8	134.8	144.9	153.6	149.3	196.7	144.6	158.2	147.3	85.6	105.3	111.3	66.4	82.3	25.8	13.1	0.9	37.0	1.9	1.4	1.8	14.8	23.6	25.8	5.5	0.0	2.4	9.2	9.5	5.0	21.3	34.4	38.4
	10	122.5	95.9	142.6	131.5	179.6	135.8	156.6	145.0	165.8	183.3	177.7	191.3	86.1	97.0	92.9	61.3	70.0	70.7	3.2	22.0	3.2	25.4	8.8	10.7	33.5	4.7	9.6	7.5	4.3	21.8	2.1	21.0	13.1	41.0	47.2	64.8
	11	116.5	100.3	121.1	175.1	155.3	173.4	195.2	184.8	157.7	162.1	145.6	137.4	134.2	101.6	127.8	36.9	27.4	59.4	1.9	6.6	2.5	32.0	30.0	36.9	0.4	14.2	2.7	13.9	10.0	42.3	7.4	6.3	29.8	72.1	18.3	44.7
	12	102.9	99.3	111.7	139.4	165.1	127.5	165.8	169.0	147.8	163.1	184.7	146.6	126.0	132.7	80.8	75.8	84.6	35.5	36.7	44.1	33.7	38.1	15.6	15.8	42.3	21.8	1.6	0.9	5.4	1.1	24.3	1.8	39.4	42.6	47.9	47.4
	13	129.9	142.7	134.9	180.3	122.9	161.1	168.9	194.6	204.3	175.6	147.2	155.5	127.3	129.9	101.9	61.5	57.5	47.9	0.5	44.0	4.3	4.1	4.8	0.7	1.1	0.0	24.5	25.6	9.9	20.3	37.6	20.7	1.1	67.4	43.8	17.1
	14	127.0	124.1	122.3	171.9	158.8	160.6	197.2	153.5	200.2	139.9	154.9	151.9	107.7	132.7	127.7	41.0	82.0	86.0	28.6	1.0	5.7	0.1	18.1	0.0	25.3	26.6	1.8	32.5	21.4	23.5	0.8	12.8	0.8	25.9	57.5	13.2
	15	118.9	142.7	129.8	141.1	171.6	150.9	189.9	192.0	190.2	196.3	155.9	142.6	106.2	108.5	128.6	42.1	64.1	73.4	0.6	20.0	33.2	3.7	24.2	12.8	39.2	37.5	29.1	0.9	18.7	41.0	17.2	20.8	0.2	39.7	18.7	57.0
	16	95.0	115.3	92.9	179.2	148.6	174.8	192.6	155.4	153.6	143.8	169.9	164.6	87.6	118.9	97.4	48.9	82.9	44.8	7.2	4.2	5.7	26.7	22.5	6.8	9.4	36.7	3.2	3.3	20.1	5.1	0.4	2.1	27.0	52.5	29.8	34.2
	17	144.4	136.9	97.0	140.2	150.3	166.0	188.3	170.6	152.4	190.3	154.4	175.9	117.3	92.4	136.7	36.1	60.2	33.2	30.8	38.4	10.0	8.4	16.3	2.7	12.9	5.7	36.0	1.3	20.5	20.8	23.9	5.3	34.9	47.5	43.6	47.4
	18	142.3	113.2	118.1	149.9	152.7	158.4	167.5	158.3	166.8	159.8	147.2	179.8	110.1	128.8	96.1	42.1	30.1	82.3	7.4	3.8	7.4	3.1	18.2	33.9	29.3	32.4	39.0	2.1	36.8	10.6	42.4	28.1	7.5	25.4	58.0	52.5
	19	100.5	122.7	123.9	130.7	173.1	128.2	199.6	149.6	179.7	178.2	173.7	183.3	97.7	130.4	134.4	74.2	31.1	84.0	11.6	27.9	26.7	37.3	1.8	0.0	23.0	24.4	3.5	6.8	39.0	12.1	6.6	3.1	15.8	25.3	58.8	13.3
	20	143.6	135.9	121.8	159.9	127.4	179.8	150.1	190.3	159.8	156.9	145.6	147.4	111.3	88.0	135.5	33.4	61.2	80.1	46.6	19.8	17.1	3.6	18.7	9.3	12.2	3.7	0.3	6.4	16.6	25.0	32.5	19.6	27.5	63.4	55.1	34.8
	21	107.2	120.7	145.0	171.6	122.5	134.3	163.5	145.8	149.6	194.3	138.2	194.7	98.2	131.7	95.4	55.6	41.8	81.9	17.7	28.1	14.9	2.1	13.6	5.1	30.3	35.9	5.9	33.8	2.0	37.2	19.0	3.8	42.4	39.2	24.8	24.8
	22	141.8	105.3	88.4	156.0	169.3	159.8	168.5	172.0	178.9	140.6	151.9	160.1	112.9	83.0	135.3	39.5	38.7	59.2	4.5	30.6	36.6	3.3	4.0	37.3	3.6	3.4	25.5	22.3	7.1	34.4	38.3	38.3	18.2	61.5	21.6	14.1
	23	94.0	107.1	124.6	131.9	131.0	179.6	199.6	155.1	172.9	193.9	167.6	144.8	98.3	80.2	129.4	31.3	53.0	70.2	29.5	32.1	12.2	1.6	2.3	3.9	15.9	26.1	41.1	20.0	17.4	31.4	1.8	7.2	17.3	31.7	32.5	54.9
	24	101.0	110.0	103.4	165.3	125.2	130.8	183.9	187.3	174.4	188.7	171.9	136.4	112.3	136.2	106.7	78.9	32.2	63.7	43.0	39.5	0.8	1.4	2.5	1.8	26.2	43.1	5.3	17.2	3.7	40.8	30.0	45.1	45.9	27.2	58.6	38.8
	25	126.4	111.9	123.4	137.9	166.7	159.6	196.8	170.8	167.4	139.1	187.7	173.5	136.0	89.0	85.1	70.4	72.7	78.8	1.1	7.2	42.7	30.8	0.8	19.6	3.9	12.0	3.4	10.5	35.3	2.1	19.3	26.4	19.7	37.5	32.2	43.4
	26	85.6	105.4	129.0	155.9	169.9	143.5	150.7	171.2	197.4	148.5	184.0	175.2	95.8	104.2	123.9	69.8	50.8	41.8	23.3	15.9	22.8	3.2	0.0	15.4	1.2	1.0	0.5	30.7	26.0	37.6	1.4	16.3	18.1	48.7	39.1	52.7
	27	118.5	95.1	110.6	173.0	123.3	155.4	176.0	149.0	162.0	158.1	157.4	144.7	110.5	112.7	128.9	74.2	70.0	65.1	32.5	7.6	0.2	7.3	25.5	7.8	7.1	13.3	4.4	20.6	26.1	33.8	31.8	29.0	33.7	63.9	64.6	16.2
	28	129.8	124.4	109.3	141.5	134.2	176.1	169.5	160.0	179.9	175.7	146.4	178.9	112.1	78.5	121.1	67.3	32.0	54.0	3.7	28.6	39.5	3.9	28.7	2.7	44.0	7.5	37.4	16.9	26.8	43.3	16.5	5.1	4.8	44.5	44.8	34.7
	29	143.3	107.1	105.9	149.8	137.4	127.8	184.2	187.7	160.3	187.2	146.6	145.4	94.3	109.7	117.5	61.6	86.3	64.0	5.5	20.2	3.4	27.1	0.8	11.3	22.6	36.3	4.0	35.6	1.8							

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Buena Fe	1	103.2	112.5	108.0	151.0	140.1	144.1	155.6	156.7	147.4	173.0	159.6	134.2	81.9	84.7	93.6	39.6	50.1	54.6	37.2	43.6	6.2	15.7	10.4	18.8	32.3	28.7	24.6	21.4	32.9	30.4	5.8	13.6	29.0	49.0	26.2	23.5
	2	107.3	112.0	94.2	124.9	149.4	164.7	181.6	158.3	151.3	149.7	135.0	167.0	94.8	82.0	102.1	47.3	50.2	36.5	33.3	19.1	12.1	8.4	3.3	10.4	17.2	28.6	16.5	9.0	8.6	21.9	18.2	11.7	9.9	17.3	30.5	48.6
	3	81.8	99.3	96.9	147.6	129.9	148.2	174.3	154.0	167.8	165.1	167.4	147.2	103.6	91.6	101.4	57.3	36.6	56.8	21.0	28.5	13.4	21.1	7.1	6.3	12.5	29.4	4.2	11.8	8.1	18.5	18.4	5.5	12.9	37.9	26.6	31.2
	4	95.7	129.8	118.6	137.3	138.9	159.9	168.8	168.9	164.4	150.1	153.6	164.7	105.6	99.0	89.9	47.1	61.1	42.8	11.4	10.4	18.3	29.3	1.9	0.8	12.8	6.9	6.5	1.8	35.9	7.2	6.6	31.5	14.7	38.2	28.8	30.9
	5	99.9	110.6	114.4	144.3	149.7	130.7	154.4	165.9	147.8	135.8	134.1	134.0	85.9	101.2	89.2	62.2	54.3	34.4	37.4	32.2	31.7	12.6	32.6	16.2	0.6	20.7	30.5	7.2	7.0	14.1	5.8	9.8	31.1	32.5	28.3	30.1
	6	92.9	124.7	105.9	145.5	143.0	150.6	166.5	165.6	164.2	158.6	164.9	158.2	100.0	91.2	81.7	45.3	46.7	34.9	11.3	18.3	33.0	11.9	6.4	4.2	5.6	2.8	13.8	28.3	9.6	24.9	23.6	0.7	6.3	50.6	48.3	43.1
	7	98.1	101.3	111.4	143.5	141.2	153.2	159.8	138.2	169.4	145.4	162.5	146.4	93.4	99.7	82.3	48.2	55.5	57.0	2.9	7.8	14.1	14.8	2.8	10.5	20.7	4.8	15.2	10.7	22.0	8.1	14.9	19.5	5.2	36.1	40.7	42.4
	8	102.9	120.7	98.7	165.4	145.1	163.5	145.6	154.3	166.2	157.1	139.2	139.1	63.2	77.3	83.7	44.1	33.1	41.3	9.2	3.4	21.8	15.0	26.8	6.6	26.3	6.4	7.2	18.5	31.4	25.0	29.2	18.4	11.9	27.3	43.1	49.2
	9	120.3	102.6	91.3	146.6	136.9	160.6	156.0	157.4	177.0	141.8	160.3	128.1	96.8	98.5	77.8	60.7	57.2	32.5	21.9	6.0	16.1	11.3	7.2	9.5	9.4	5.4	5.9	25.1	0.0	6.2	1.9	17.4	10.1	35.9	46.4	33.9
	10	101.0	101.9	102.6	160.2	140.1	136.5	160.4	138.6	161.9	138.7	135.4	167.2	91.4	78.7	90.8	55.3	62.5	43.0	16.8	26.3	12.5	9.4	7.9	18.2	27.4	23.0	22.5	15.6	16.8	13.7	11.0	25.6	10.9	32.8	41.4	47.2
	11	108.6	106.2	122.3	163.1	139.2	156.1	181.3	163.1	171.1	141.5	133.9	146.8	102.6	81.0	76.6	26.0	22.2	40.3	8.5	34.7	15.3	8.4	6.9	19.4	2.0	22.8	15.4	10.2	20.8	21.5	9.6	11.8	6.1	62.5	29.9	48.5
	12	116.5	88.5	118.3	154.2	162.7	138.3	154.4	154.9	144.0	162.5	151.9	150.8	79.1	94.6	78.5	50.0	65.1	25.1	29.6	27.8	28.3	21.7	13.2	7.2	19.7	16.3	8.9	3.5	28.8	4.9	33.0	10.1	23.7	31.4	41.5	31.3
	13	112.5	106.5	103.8	148.6	133.6	142.3	165.4	157.9	171.7	160.5	154.0	138.7	104.3	91.9	99.5	46.2	33.8	46.9	3.7	38.6	22.2	22.4	1.0	4.2	6.2	0.0	29.7	29.7	4.8	26.6	20.3	22.1	6.9	64.2	46.1	25.8
	14	117.5	118.9	117.4	162.8	136.8	135.5	158.5	145.3	175.9	146.8	148.9	158.8	93.1	92.3	87.3	40.2	47.5	67.4	30.0	5.6	29.7	1.4	9.5	0.2	19.6	6.5	9.7	18.7	31.2	33.9	4.2	5.2	4.7	39.4	57.8	22.9
	15	104.1	106.0	103.3	160.0	162.2	137.8	179.3	174.3	162.1	173.1	137.6	133.0	73.3	87.6	88.7	43.1	40.5	48.2	3.8	29.6	6.8	20.5	14.2	22.9	19.1	7.7	22.9	5.5	19.5	11.5	14.9	26.0	2.8	37.2	51.0	42.0
	16	108.8	119.2	112.2	143.2	153.3	167.4	180.4	159.6	150.0	136.4	139.2	132.8	86.2	88.3	105.8	45.7	46.5	49.3	13.8	22.5	30.3	6.2	14.8	8.6	8.5	25.0	14.5	18.0	21.9	26.7	2.1	11.9	22.2	32.1	37.3	22.4
	17	105.7	96.1	106.2	153.0	155.7	160.6	165.9	152.2	169.5	151.8	137.9	154.9	87.7	99.1	100.4	38.5	29.8	35.5	12.9	9.3	9.9	3.1	29.6	15.5	19.9	30.5	14.3	7.8	29.5	27.2	15.6	1.4	23.0	36.5	22.6	27.8
	18	122.6	116.4	102.0	152.6	139.4	165.0	143.1	167.6	158.7	146.1	138.8	162.2	95.1	111.0	104.4	48.2	49.0	39.8	18.6	20.4	17.8	15.7	4.9	13.2	24.0	9.6	20.1	12.3	14.7	27.0	35.3	21.3	7.3	40.8	52.4	45.8
	19	107.9	106.3	116.1	129.3	149.7	141.2	158.8	152.8	178.1	139.1	160.6	172.7	88.4	88.9	101.4	50.1	31.3	54.1	12.1	8.0	22.9	15.6	9.2	0.0	10.4	17.4	18.5	11.5	16.3	14.9	8.0	18.5	21.6	22.1	45.7	17.1
	20	118.6	107.5	121.0	147.0	124.8	144.2	148.4	183.7	159.5	137.7	133.2	123.7	74.3	97.1	109.1	53.7	35.1	68.7	19.2	17.8	8.4	18.8	7.9	4.4	9.7	20.4	1.4	1.4	30.8	29.6	33.5	12.6	28.4	37.5	42.2	41.7
	21	98.9	118.8	117.6	133.3	134.8	161.6	149.9	148.4	139.4	174.0	149.3	158.4	80.0	94.4	97.1	33.1	44.7	38.6	24.4	34.2	13.7	2.0	25.3	26.7	20.5	28.6	28.6	19.3	8.8	20.4	14.1	21.5	21.9	39.3	25.6	40.0
	22	102.8	94.2	111.4	140.2	157.6	161.8	162.7	143.7	168.9	138.2	130.3	139.9	110.2	83.9	101.2	54.6	48.0	35.0	17.7	30.1	28.1	17.3	21.7	15.0	18.5	18.5	15.0	29.9	13.1	23.3	8.3	14.3	11.3	53.3	27.9	24.7
	23	105.4	121.2	103.1	132.2	133.1	163.5	169.1	147.6	160.3	169.6	144.4	142.0	91.3	72.9	76.3	60.3	29.1	36.6	29.3	21.4	9.9	8.7	11.8	22.0	15.6	13.2	13.6	7.1	4.8	28.8	10.7	1.5	20.1	35.6	42.5	55.0
	24	106.2	93.3	116.4	162.1	148.8	139.9	162.1	177.8	145.6	156.7	144.9	124.6	82.6	91.9	94.0	48.3	27.9	44.2	20.5	33.0	1.5	7.4	14.5	10.4	24.5	29.7	27.9	33.8	21.2	12.8	18.1	29.4	33.2	54.0	29.1	55.6
	25	113.1	111.7	129.3	157.5	140.2	162.3	157.8	160.5	162.1	142.7	160.9	144.7	87.5	81.1	78.6	39.9	41.0	61.9	4.7	25.7	9.7	25.8	4.0	7.1	19.8	15.4	4.7	2.2	12.7	9.4	6.6	18.6	15.1	42.8	21.1	52.3
	26	81.4	115.1	102.5	142.1	141.3	155.0	146.3	172.0	156.6	154.7	150.7	139.5	92.5	80.0	83.6	41.3	30.2	54.5	28.7	13.1	35.1	16.9	0.5	16.3	1.5	1.3	2.5	9.4	16.6	24.4	7.9	20.9	19.6	30.3	42.8	41.5
	27	104.7	107.8	88.5	141.0	123.6	154.6	150.7	148.7	160.5	140.2	139.4	152.0	91.1	104.0	108.3	39.7	46.1	62.8	25.6	18.6	2.1	6.6	10.9	3.2	14.2	9.1	22.4	8.6	10.1	25.4	29.3	29.0	10.6	45.3	28.8	40.0
	28	123.1	109.1	114.0	153.0	145.8	144.3	160.3	149.5	166.4	155.4	133.6	156.2	89.2	77.8	103.9	48.5	43.0	45.3	21.0	36.5	12.0	21.6	18.9	14.7	33.6	1.5	21.0	24.3	15.3	23.3	16.4	28.4	24.3	59.4	27.1	42.9
	29	115.0	100.5	120.9	137.1	158.4	140.7	172.3	167.9	156.9	150.6	165.3	137.5	85.4	100.8	100.2	59.7	59.2	42.5	18.2	11.5	18.2	11.9	4.1	17.5	14.2	26.5	21.9	11.9								

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
LosAngeles	1	85.2	109.1	117.8	161.4	131.2	143.3	155.6	175.5	141.6	188.5	177.0	152.6	79.1	79.7	101.8	31.9	63.5	55.4	53.4	50.7	0.2	32.4	0.1	33.7	44.0	44.0	44.5	27.8	53.6	51.0	0.2	19.7	49.1	60.8	35.9	15.0
	2	117.6	95.6	99.4	129.8	145.4	170.1	195.4	157.5	142.0	163.0	130.2	183.8	118.7	84.1	97.9	72.8	59.6	28.4	43.6	34.0	10.9	13.0	2.4	1.0	21.5	45.4	19.8	6.4	0.3	42.3	25.9	13.7	16.6	8.6	33.2	65.9
	3	77.0	100.4	87.1	133.8	125.3	149.9	191.3	150.5	165.2	184.0	189.1	152.4	124.8	100.1	129.4	62.8	53.6	70.8	36.3	53.0	16.1	25.5	0.1	0.1	11.3	31.6	0.4	13.8	13.0	37.9	8.8	0.2	16.3	39.0	25.3	16.8
	4	97.9	138.9	133.0	132.2	121.6	175.0	173.0	187.3	161.9	163.3	167.0	184.7	113.1	126.2	101.0	60.0	81.8	31.5	19.8	3.4	24.2	44.5	2.6	0.1	0.3	0.2	4.7	0.1	50.7	0.2	6.6	41.0	15.0	59.8	13.9	31.1
	5	92.6	108.2	100.2	144.3	160.6	135.5	146.3	178.4	137.1	149.4	133.8	143.5	113.6	110.4	81.5	83.6	69.9	28.0	45.8	52.3	41.2	3.7	36.5	14.0	1.4	28.4	48.3	0.2	0.1	10.1	0.2	17.0	39.2	24.4	12.7	38.1
	6	78.7	135.4	105.9	174.3	128.5	145.4	179.6	171.2	170.5	150.4	173.6	181.6	127.2	92.1	111.4	71.1	58.0	37.1	0.3	33.1	43.7	3.2	0.1	0.1	0.2	0.2	0.3	39.1	0.1	35.9	28.0	0.2	10.9	50.5	44.2	67.5
	7	89.1	98.8	110.6	141.6	146.8	167.5	178.8	147.0	181.2	156.0	162.6	150.4	109.8	128.4	82.8	59.6	76.1	80.1	0.2	10.6	18.7	12.4	0.1	4.6	31.1	3.7	31.4	9.1	29.2	0.2	2.0	20.4	1.5	47.1	42.8	38.8
	8	92.6	128.4	90.9	182.1	147.5	174.3	143.9	142.1	176.2	154.8	142.6	127.6	68.2	82.7	102.4	43.9	40.8	44.7	0.2	1.1	22.9	16.2	40.3	9.8	33.3	0.1	10.6	37.1	44.9	36.6	39.7	19.2	7.2	18.9	51.9	63.5
	9	128.1	81.5	80.0	155.3	133.4	183.6	153.8	173.7	184.7	147.4	187.3	135.3	122.6	128.4	84.9	76.4	61.2	28.6	41.1	6.9	0.2	20.0	11.2	17.9	5.7	0.2	0.3	50.3	0.1	0.0	0.2	25.4	17.9	52.1	49.6	32.8
	10	77.8	107.5	80.3	172.7	142.5	130.1	172.9	138.1	178.9	144.5	138.7	178.7	121.3	96.7	114.5	66.5	75.3	53.9	9.7	43.3	25.0	0.3	7.7	26.6	40.8	41.8	34.4	17.6	33.5	19.6	16.7	42.1	0.1	26.6	35.7	51.5
	11	97.7	119.6	125.1	162.3	147.9	165.2	188.9	159.0	186.5	149.5	134.2	185.5	106.8	96.3	73.9	27.3	29.8	42.8	3.2	54.0	26.5	0.3	1.8	11.5	0.2	42.4	30.0	9.7	21.8	19.7	0.2	4.9	0.3	67.4	38.4	50.2
	12	123.8	87.1	123.4	157.2	168.8	149.2	144.2	171.0	141.9	175.2	159.0	162.6	81.1	88.7	74.9	41.6	83.1	31.7	46.7	32.5	32.5	28.5	16.8	2.9	18.3	7.3	18.3	7.2	52.8	0.1	45.5	7.4	25.3	15.3	42.8	14.7
	13	104.6	102.9	79.4	148.6	133.8	131.2	171.4	167.7	182.9	173.0	170.0	144.2	130.4	94.4	130.2	66.4	33.8	67.9	0.2	50.1	26.9	43.7	0.0	0.1	12.6	0.2	47.0	49.4	0.1	32.1	27.0	28.7	11.4	68.3	55.0	40.0
	14	128.2	132.2	127.3	174.0	144.3	129.8	154.6	137.8	190.4	170.9	163.0	188.5	101.6	100.2	96.8	44.6	37.7	82.0	42.5	4.8	47.3	0.1	12.4	0.1	14.4	0.8	19.5	24.5	40.3	49.6	8.6	4.2	0.1	51.8	66.6	15.8
	15	86.8	87.7	98.8	179.9	182.6	139.0	195.1	188.2	153.5	187.7	153.7	126.8	79.6	80.6	87.4	60.1	49.7	59.1	6.5	54.4	0.3	42.0	1.4	37.2	13.1	0.3	25.4	9.7	17.9	0.3	9.1	46.4	0.0	37.9	65.8	36.4
	16	119.9	138.9	134.7	142.9	160.9	176.9	189.3	182.2	156.9	153.9	138.9	129.6	108.7	85.2	124.9	65.8	53.2	50.7	16.1	30.8	42.0	0.2	5.6	15.3	0.2	28.7	26.3	20.5	18.0	45.1	3.6	22.7	27.7	17.9	40.8	20.6
	17	95.1	82.9	110.7	165.6	172.4	168.5	155.0	152.4	194.7	166.3	130.7	167.9	91.2	115.7	108.4	54.7	26.8	31.8	9.1	3.0	0.2	0.2	39.0	28.9	23.7	47.1	7.1	14.3	32.6	39.9	13.4	0.2	32.9	35.3	7.9	15.2
	18	121.8	127.3	78.6	167.1	145.2	176.3	146.6	183.7	174.1	167.1	146.1	185.2	125.4	119.2	125.8	71.2	72.2	25.1	30.2	27.6	13.1	20.6	0.1	1.7	27.3	0.3	17.3	15.7	0.4	47.8	42.6	31.8	12.5	54.5	64.2	40.6
	19	109.5	95.9	122.3	130.7	141.0	138.2	137.5	149.4	189.4	137.2	176.6	189.0	84.3	73.1	109.8	59.5	33.1	61.2	14.7	0.3	37.3	7.5	0.1	0.1	0.2	8.1	21.9	12.6	17.9	15.1	0.1	32.2	30.6	19.5	62.5	11.3
	20	111.4	100.2	137.2	152.1	124.5	129.4	152.6	195.2	173.8	140.9	148.3	129.8	75.9	112.6	126.4	72.6	32.9	80.2	0.4	23.8	10.6	30.0	8.5	0.1	12.5	41.8	0.1	0.1	46.7	51.8	46.1	1.0	28.7	18.1	35.8	36.0
	21	87.6	119.9	124.4	123.9	130.1	182.2	156.2	147.6	140.1	181.2	152.9	161.9	85.1	110.5	103.4	25.7	65.9	33.6	35.6	42.5	5.5	0.2	37.4	44.3	30.7	45.3	46.9	22.8	1.2	24.1	17.0	38.2	27.1	58.5	27.7	56.1
	22	88.0	99.5	128.0	121.2	154.3	181.0	159.7	137.1	178.9	147.0	134.2	141.1	127.7	100.4	104.2	79.8	74.9	39.8	30.8	50.7	19.4	16.8	44.1	0.3	28.8	30.1	3.7	48.7	24.9	31.1	0.2	0.3	4.6	66.8	19.7	11.9
	23	108.1	132.4	100.8	127.4	133.6	179.6	181.4	161.3	169.7	186.2	133.5	156.0	87.1	83.4	74.2	86.4	26.0	39.2	49.7	26.7	0.2	17.9	16.7	41.4	23.4	0.2	8.4	6.5	2.8	47.8	17.1	0.0	35.5	45.2	49.2	57.3
	24	113.1	83.0	132.0	165.9	158.1	154.2	151.9	190.0	134.3	155.7	153.6	127.0	70.7	97.2	106.1	61.2	32.8	56.8	16.3	45.4	2.9	14.3	27.5	18.6	33.3	37.1	45.6	53.6	40.4	1.4	25.4	24.4	42.9	67.6	22.6	61.9
	25	121.1	100.6	139.6	169.2	145.0	171.3	142.6	176.2	180.7	173.5	174.7	141.4	76.4	95.8	87.5	49.0	46.1	76.6	0.8	47.2	0.4	36.8	2.9	0.1	24.2	18.6	8.6	0.1	11.8	7.5	0.2	24.3	3.9	46.5	6.9	65.8
	26	77.2	120.2	87.6	149.1	124.8	160.6	136.6	187.0	151.5	177.7	140.2	130.4	116.1	85.7	91.0	36.0	32.9	73.1	40.3	8.9	52.7	29.0	0.1	8.4	1.2	0.1	0.0	6.8	11.4	23.7	0.2	25.8	27.9	12.9	59.7	39.8
	27	109.1	118.5	77.2	123.4	122.1	159.0	160.4	144.7	184.1	131.1	128.6	174.9	97.3	116.2	119.6	25.3	41.1	82.7	26.9	33.7	0.2	7.2	0.3	0.1	19.9	0.3	28.2	4.8	6.0	25.9	45.8	47.1	8.2	34.7	10.9	48.6
	28	134.2	96.5	118.8	172.4	150.4	148.1	177.4	148.9	165.3	165.1	152.7	174.1	101.2	78.8	126.4	51.6	65.0	41.5	41.2	50.3	7.5	44.2	9.1	11.9	38.3	0.2	22.4	23.3	16.8	30.8	26.2	46.1	30.5	68.0	10.2	59.0
	29	103.1	115.7	129.3	150.4	177.6	159.2	191.7	177.3	163.3	166.4	184.2	158.5	106.3	104.1	117.1	67.6	52.8	31.3	36.4	15.9	33.1	0.2	2.8	30.3	2.1	40.2	44.3	9.9	8.0	3.2	0.0					

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
El Copal	1	98.4	120.0	120.3	156.3	138.3	143.9	159.4	175.4	152.2	186.2	176.9	156.3	93.6	94.2	104.8	47.1	62.2	61.2	50.5	50.8	8.1	30.4	2.9	31.3	37.4	36.9	35.3	33.2	42.1	46.2	7.9	24.9	38.5	59.0	36.0	28.1
	2	118.4	112.0	104.8	135.1	144.8	167.1	188.1	164.6	152.7	168.9	148.7	174.8	124.7	96.3	105.2	64.4	60.4	42.2	44.4	28.4	19.0	9.8	3.5	10.0	22.8	35.2	24.9	6.7	12.7	30.1	25.3	15.5	13.8	23.6	33.3	60.0
	3	92.3	105.6	106.0	143.2	136.1	154.7	180.1	154.0	167.1	181.6	184.7	153.9	122.1	98.8	128.1	61.8	58.5	66.7	38.7	40.1	26.0	29.5	5.4	3.1	14.6	30.5	12.0	19.7	18.2	31.0	11.7	8.6	20.6	38.3	30.6	27.9
	4	108.5	134.7	131.8	135.2	138.8	172.6	176.1	185.8	163.7	168.6	174.3	185.6	112.5	121.3	105.1	59.8	81.2	40.6	23.0	12.5	23.0	34.1	9.7	5.2	13.2	10.3	8.5	2.9	47.2	8.0	7.7	35.2	18.3	51.5	26.5	31.7
	5	104.4	114.0	116.6	142.6	157.9	143.0	149.6	180.9	152.6	154.8	138.9	152.5	116.4	113.8	91.2	78.3	65.9	36.2	38.8	48.8	39.0	6.7	38.7	17.8	10.0	30.8	40.0	9.2	5.1	13.7	7.6	13.2	35.1	35.9	18.3	40.7
	6	99.7	134.7	115.2	168.1	136.9	155.0	172.5	177.8	168.1	162.6	173.7	180.3	127.8	103.4	112.1	67.0	63.7	48.1	13.3	26.4	43.1	5.6	5.3	1.1	7.9	8.3	10.1	32.5	3.1	33.1	32.9	7.4	17.6	54.7	49.0	61.8
	7	102.7	106.8	108.8	145.1	152.6	158.9	176.9	146.6	178.8	164.3	168.4	156.0	107.3	124.8	92.6	60.9	72.1	75.2	7.8	13.7	17.9	15.5	2.9	7.5	26.0	4.7	30.6	14.2	28.2	6.7	7.3	22.6	5.9	46.2	45.6	45.1
	8	107.2	120.4	105.1	178.7	156.9	171.9	149.1	158.7	182.9	169.0	143.7	139.1	83.9	85.6	105.0	54.8	46.5	44.3	7.3	9.8	25.8	18.6	36.6	12.4	32.2	3.1	14.0	32.4	41.8	29.9	39.6	20.2	14.7	26.1	46.8	54.5
	9	133.1	102.1	91.8	158.7	141.8	174.3	160.9	168.7	190.1	157.1	184.7	146.5	122.6	122.7	99.7	79.2	69.0	36.9	35.0	7.6	7.3	14.5	8.1	12.8	6.4	6.6	12.2	45.1	6.2	0.5	8.7	24.2	21.9	51.1	47.9	32.0
	10	94.5	112.3	97.7	165.9	154.8	133.8	171.8	149.4	181.6	159.7	152.2	183.0	117.1	97.2	117.6	69.4	74.1	63.1	10.9	42.1	26.2	10.7	6.6	22.8	42.5	32.6	29.2	15.5	28.4	18.0	12.0	33.8	3.2	29.8	44.4	49.1
	11	107.3	120.1	126.4	168.5	156.4	163.1	188.6	161.9	177.4	160.6	146.4	176.3	115.3	99.3	91.9	38.8	40.9	50.0	11.4	46.8	26.1	12.5	12.2	20.4	7.7	37.4	27.1	14.7	24.1	29.7	7.0	5.7	13.3	70.8	32.6	49.2
	12	121.2	98.9	125.4	152.7	164.0	150.2	152.3	171.6	149.3	179.3	164.4	160.3	98.7	100.2	83.7	55.6	85.1	41.3	41.0	37.0	28.9	25.5	14.1	5.5	23.7	12.9	16.0	13.2	41.7	4.4	39.8	14.0	30.5	29.1	44.8	26.0
	13	111.0	114.0	91.6	158.1	141.1	140.5	175.1	177.3	181.7	173.1	166.1	148.6	131.9	104.0	124.7	71.6	48.6	64.5	10.6	46.8	29.2	37.4	1.5	5.6	9.4	9.3	38.2	45.5	2.4	29.4	33.0	31.2	10.0	69.7	53.7	42.5
	14	133.2	130.0	132.6	172.5	147.9	140.7	165.4	145.6	192.4	171.4	163.4	183.0	103.0	108.7	110.2	50.7	48.5	79.7	43.6	6.7	41.9	3.8	13.1	5.8	17.2	10.5	16.6	26.1	35.6	40.1	6.9	7.2	1.5	43.2	58.1	18.8
	15	98.0	108.3	108.7	170.7	177.9	147.6	194.6	185.5	163.0	184.1	156.1	141.3	93.7	90.3	97.4	62.6	56.3	60.6	14.5	50.1	12.6	32.5	6.8	30.2	21.6	15.1	28.9	11.2	22.7	9.1	15.2	40.0	0.0	42.0	60.7	38.3
	16	119.4	131.4	128.3	153.3	164.9	174.9	189.4	173.5	163.4	154.0	152.6	141.7	112.2	93.4	125.6	63.5	58.0	49.2	14.8	28.6	37.4	8.6	7.3	11.7	5.4	31.8	19.9	16.2	22.6	39.5	10.0	18.5	31.6	30.6	43.0	30.1
	17	112.4	98.4	109.0	165.1	171.5	167.1	160.6	163.9	182.6	170.8	138.6	166.3	101.9	115.2	113.6	56.2	38.4	39.5	21.1	10.6	5.9	9.6	36.9	28.7	22.7	37.1	10.7	15.8	31.0	37.0	15.1	8.3	29.8	34.7	24.6	26.9
	18	129.2	125.5	96.9	159.9	154.2	168.8	155.3	180.7	171.4	165.6	152.7	178.9	119.7	122.3	126.8	64.0	68.9	42.4	30.1	24.6	20.9	20.8	6.0	6.3	29.7	10.4	21.2	16.9	15.1	37.5	37.3	31.0	18.1	48.7	58.1	40.0
	19	109.2	107.0	127.7	134.9	145.9	138.7	153.0	149.3	182.5	153.8	178.6	187.9	89.2	91.9	111.6	66.7	39.5	71.5	18.6	13.6	37.0	17.9	3.8	6.3	6.2	12.4	25.0	18.1	27.4	14.2	3.3	24.5	28.1	29.1	58.9	19.3
	20	125.1	115.4	137.3	157.1	134.2	141.0	156.9	190.4	177.0	149.8	153.0	136.6	86.3	110.4	133.3	68.9	47.1	75.7	13.6	27.2	14.4	23.2	8.7	1.4	14.7	30.4	6.1	6.0	38.3	42.7	45.0	4.8	33.0	28.5	40.2	39.7
	21	101.9	122.8	134.4	138.9	130.1	171.4	158.9	151.7	148.6	179.5	151.4	168.6	89.4	119.5	110.9	38.2	66.9	44.9	31.0	44.5	10.0	8.1	28.2	37.4	31.9	38.3	40.2	20.9	3.4	22.6	14.8	32.0	33.9	49.8	27.5	54.5
	22	101.3	107.4	118.7	131.6	155.1	177.1	163.0	144.9	173.8	152.4	142.8	148.3	121.2	102.3	111.8	74.6	68.4	52.1	29.8	43.3	20.5	19.0	31.5	9.2	23.0	23.4	14.1	45.1	20.2	32.6	8.0	13.0	12.1	63.6	25.2	14.6
	23	112.9	125.7	105.6	132.9	140.6	182.4	179.5	165.9	166.7	182.5	141.0	158.3	99.6	95.1	88.4	76.9	41.4	49.0	45.0	24.9	8.8	15.7	19.5	33.2	23.5	4.1	16.4	11.4	9.3	43.3	12.4	1.1	36.3	39.2	45.3	58.7
	24	112.4	97.9	130.4	165.4	154.6	151.5	162.9	184.8	142.7	165.1	163.5	137.8	81.6	109.1	113.6	67.5	42.8	64.1	19.4	44.4	6.7	18.1	25.3	13.2	27.5	32.3	38.6	41.4	30.1	13.2	23.2	25.5	44.8	58.1	27.4	57.6
	25	126.3	109.0	140.8	166.1	150.3	169.4	158.9	174.7	175.8	170.1	174.7	151.1	98.1	96.5	95.1	58.3	58.3	73.3	10.0	38.1	17.0	34.6	2.8	3.7	20.3	19.1	13.5	3.3	13.7	13.5	7.7	22.3	11.4	41.2	21.1	56.2
	26	86.6	119.7	96.8	153.4	140.2	162.5	146.3	185.3	165.9	174.3	148.6	143.8	119.3	96.0	103.4	41.9	44.3	68.1	36.7	17.1	51.1	28.9	7.1	8.4	4.7	5.2	0.4	12.9	11.9	22.2	8.5	20.5	29.9	20.5	59.3	43.4
	27	113.0	121.3	94.6	134.5	131.8	163.0	164.7	154.6	183.6	147.5	145.2	169.2	102.6	116.5	119.9	35.9	49.6	79.1	27.3	35.0	7.6	10.5	10.8	6.4	15.0	11.3	21.4	7.6	14.8	25.1	45.2	40.4	16.9	37.0	26.3	48.9
	28	139.1	104.0	116.4	164.4	155.1	152.2	172.9	155.8	171.4	170.4	150.9	174.1	107.3	89.2	129.3	58.9	63.2	48.3	33.5	45.0	19.4	31.9	16.5	14.1	33.3	9.0	23.8	22.2	16.2	27.9	26.8	33.4	31.3	62.7	26.1	51.7
	29	117.9	115.3	132.2	153.5	174.5	151.7	189.1	177.8	169.0	167.7	173.2	161.7	108.4	107.1	120.8	63.0	63.0	39.9	32.6	23.																

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Baba	1	88.9	75.0	82.0	122.9	113.8	115.0	135.4	107.8	120.0	113.6	97.3	107.4	76.8	55.6	47.1	34.9	1.8	34.9	13.8	4.7	3.4	3.3	22.9	15.8	13.4	0.0	14.4	0.0	1.1	18.3	7.8	11.6	0.2	21.9	1.2	12.7
	2	89.1	87.4	86.8	118.2	115.0	118.9	128.0	107.3	129.6	130.0	102.6	94.8	55.0	49.5	60.9	10.8	13.1	32.1	14.3	0.9	11.3	0.5	5.8	3.3	1.0	0.0	13.5	2.4	3.8	1.2	1.3	12.5	5.6	18.7	14.6	11.0
	3	62.8	94.2	89.2	123.8	115.5	135.7	127.7	135.5	141.5	100.1	108.1	108.6	46.9	66.6	38.9	0.9	21.4	25.2	10.4	15.9	19.3	16.2	8.7	13.6	4.6	12.8	15.0	15.9	10.1	6.7	2.5	23.4	4.1	0.6	27.4	11.8
	4	87.4	78.7	71.8	111.3	132.2	115.4	128.8	126.8	136.5	99.9	103.8	107.6	75.5	48.4	66.0	3.7	12.6	37.6	0.1	11.8	6.7	0.9	5.5	16.4	8.9	17.1	3.2	0.8	0.3	4.4	13.3	8.9	2.5	5.4	19.2	21.0
	5	80.2	84.1	69.2	124.3	135.5	106.8	126.5	142.5	142.9	111.6	107.9	122.8	59.0	33.6	50.9	24.9	24.3	18.7	11.2	12.1	21.7	7.3	0.1	8.4	1.1	0.8	9.9	5.2	4.9	1.0	1.3	0.9	1.9	24.8	7.7	18.0
	6	96.3	91.9	87.7	126.5	98.8	110.8	113.8	138.7	136.1	103.7	105.2	104.0	62.8	63.9	52.2	21.8	38.7	25.7	3.4	0.9	11.8	6.2	10.9	17.1	8.6	12.0	2.3	4.8	0.2	18.8	21.0	12.3	6.9	17.0	0.3	10.7
	7	85.6	94.3	63.8	100.0	106.0	120.2	134.2	112.1	123.2	119.5	119.7	129.2	52.9	51.9	63.3	34.1	16.2	21.4	1.0	0.4	0.1	8.8	0.2	0.0	2.2	1.9	3.6	0.1	14.2	0.6	21.4	3.1	0.0	31.4	31.3	18.0
	8	97.8	79.9	81.2	114.1	109.4	127.2	117.2	124.9	139.6	117.2	109.9	114.4	67.0	40.6	46.6	15.4	23.0	11.7	0.2	0.7	17.6	1.2	0.0	0.1	11.8	9.8	3.0	0.0	11.5	12.1	2.3	9.7	15.9	9.6	2.3	12.1
	9	74.2	97.9	83.2	111.2	106.2	107.8	146.1	144.2	135.8	126.7	86.6	130.8	65.2	54.6	60.0	12.1	16.0	7.5	1.7	12.2	0.5	9.6	23.5	0.5	7.6	5.2	12.7	17.7	15.9	5.1	12.6	5.6	6.3	30.1	0.5	17.7
	10	80.4	80.7	63.3	128.5	141.9	94.6	125.5	116.1	150.4	100.5	97.7	117.4	66.1	54.8	46.4	15.8	5.6	27.7	19.5	9.9	14.1	15.7	0.0	10.3	0.1	24.2	13.7	23.6	6.4	0.8	11.3	6.8	0.0	23.9	3.8	28.6
	11	58.0	70.6	73.8	112.0	124.2	134.4	123.6	135.1	125.7	127.5	114.8	109.1	70.7	59.8	63.8	16.3	0.8	17.1	4.8	0.9	29.0	3.6	3.5	7.7	3.0	0.0	0.0	12.4	21.2	0.2	0.0	1.3	18.2	0.8	9.9	5.9
	12	69.4	80.8	87.7	122.0	125.8	117.9	120.7	122.3	141.0	106.4	119.8	116.8	50.4	60.6	45.1	32.6	13.6	11.4	10.1	8.4	0.3	0.9	0.1	3.5	9.4	7.3	20.9	9.8	9.1	9.4	18.2	11.7	5.4	9.4	23.7	34.4
	13	93.7	83.7	84.5	122.6	118.8	107.8	128.5	131.0	127.0	112.9	104.3	119.4	55.4	50.9	57.2	15.8	11.3	17.4	0.0	1.8	5.3	0.0	11.2	6.0	0.2	10.1	8.4	10.1	6.4	1.0	5.9	4.4	16.7	24.4	0.6	25.4
	14	61.9	83.8	73.8	122.3	119.6	111.2	121.8	141.6	135.5	117.4	111.4	116.2	61.1	34.6	41.3	30.8	3.3	3.4	18.9	0.3	4.6	10.0	3.2	6.9	2.5	6.9	8.5	24.7	17.8	12.0	12.7	2.7	10.3	11.1	9.6	2.6
	15	57.9	78.1	75.8	115.4	108.9	124.4	123.7	142.6	125.0	126.0	103.6	132.7	77.7	50.1	70.5	5.8	16.9	6.2	21.0	5.8	4.3	15.9	8.8	0.0	2.2	12.5	6.1	14.7	10.1	0.0	23.9	11.2	16.8	29.5	20.6	2.8
	16	81.3	93.0	75.5	117.7	106.7	132.3	130.9	149.6	137.9	115.6	123.8	101.9	61.7	55.0	43.0	24.5	31.2	6.6	10.1	2.9	10.3	7.6	14.6	5.8	0.0	13.9	10.4	11.6	0.1	6.0	25.3	11.8	4.9	18.0	0.5	3.5
	17	62.5	76.0	76.5	124.0	105.1	130.6	106.1	116.9	110.8	112.7	125.6	110.3	57.4	60.8	49.7	12.6	9.5	3.9	20.2	9.3	6.8	5.3	8.0	15.2	5.9	15.2	15.4	9.3	2.0	13.0	3.8	8.4	12.9	8.0	14.7	17.6
	18	77.2	70.2	82.0	137.1	138.2	117.3	117.5	142.3	117.4	111.4	112.0	107.2	56.1	53.0	57.2	20.4	23.6	14.7	14.1	21.4	12.7	8.5	0.1	19.3	11.2	7.2	7.5	0.7	7.5	16.9	0.6	1.0	6.2	21.7	1.9	29.7
	19	92.8	72.9	91.7	126.1	122.7	111.9	112.5	110.6	119.7	122.3	102.4	108.6	48.8	60.3	59.4	18.6	14.5	13.3	0.0	19.3	5.4	9.1	16.6	0.9	13.5	6.3	0.1	13.4	6.6	24.2	7.4	4.5	5.3	30.2	22.4	2.3
	20	78.9	87.0	82.4	112.6	125.5	126.9	129.8	135.0	142.0	116.7	124.4	109.5	57.0	70.5	72.8	20.3	33.4	16.4	21.4	28.2	3.2	0.6	0.0	9.4	14.8	2.5	2.5	0.2	6.1	11.2	4.1	0.2	4.6	19.5	26.3	7.6
	21	69.8	60.4	102.2	117.6	107.8	95.4	129.2	124.7	118.8	109.0	109.1	100.7	54.2	47.1	50.8	0.2	22.5	18.9	9.6	1.4	0.5	8.2	0.0	12.4	8.3	19.8	16.2	11.2	6.8	1.2	6.5	6.5	25.1	21.3	3.7	13.3
	22	87.6	86.6	73.8	120.9	119.0	113.0	107.7	134.3	133.5	114.0	96.5	115.3	37.0	68.9	52.4	20.6	22.6	33.7	22.0	27.7	9.4	5.7	12.0	0.0	25.8	16.1	5.7	5.4	1.2	3.5	6.8	0.0	11.4	7.4	5.8	3.8
	23	64.4	85.7	76.3	110.6	127.8	121.7	106.8	122.7	122.3	104.8	111.4	96.4	58.4	40.6	48.4	20.0	16.6	17.4	21.5	0.5	7.1	3.8	6.8	6.7	9.0	10.4	14.4	6.3	13.7	1.1	2.3	13.0	5.8	1.8	13.8	14.3
	24	93.8	97.3	85.5	112.6	107.2	103.3	124.6	118.2	123.2	130.1	106.9	112.6	59.1	42.7	69.6	12.1	22.3	34.7	9.3	1.5	13.6	6.8	9.0	0.8	8.9	4.5	0.8	0.3	1.0	10.7	0.1	0.2	21.0	1.5	14.4	12.6
	25	102.1	79.6	77.9	110.4	125.0	118.8	142.1	135.0	124.7	108.5	99.7	112.7	39.5	42.1	63.0	3.3	23.9	29.3	18.2	29.3	3.9	19.7	14.7	11.8	9.6	16.9	9.6	1.1	0.0	0.2	12.9	7.1	14.2	0.9	10.6	32.1
	26	86.8	93.4	71.1	134.7	104.0	126.7	150.0	135.5	114.0	126.6	104.6	94.2	49.8	46.9	37.9	32.7	30.6	23.9	18.7	11.7	0.0	14.7	6.8	0.6	12.8	18.4	8.5	12.9	1.8	16.8	14.7	9.8	0.0	18.8	6.9	8.2
	27	69.0	81.2	86.6	122.6	112.7	123.3	106.3	127.3	122.2	107.1	122.2	120.8	46.8	48.8	43.3	29.0	13.8	6.5	12.1	6.1	0.1	0.0	15.2	2.7	24.8	3.6	14.4	0.0	8.7	21.3	5.4	1.7	6.7	17.7	12.4	11.0
	28	81.9	68.8	92.9	116.1	118.7	103.4	116.4	150.8	140.6	113.7	118.3	112.2	63.9	58.1	47.0	33.5	14.8	33.8	0.1	7.5	14.2	6.3	0.0	0.1	14.0	5.9	3.0	14.5	10.6	16.8	2.4	15.4	1.0	31.1	25.3	16.9
	29	76.7	67.5	74.7	130.2	109.2	96.1	121.1	109.7	139.5	134.0	134.3	101.7	62.3	47.0	46.6	4.1	18.8	5.7	11.0	13.2	9.7	10.5	12.8	0.3	4.0	2.5	14.7	0.1	0.0	6.7	9.4	1.2	0.3	20.0	35.2	28.8
	30	73.7	84.7	78.2	124.0	119.9	104.0	108.6	131.2	120.9	135.7	98.8	113.5	53.8	57.1	44.1	10.4	19.0	25.6	5.5	10.6	2.3	1														

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Mocache	1	105.6	78.6	102.6	145.2	140.5	136.6	146.9	142.6	136.9	145.9	106.9	95.4	44.3	50.3	57.2	33.6	6.8	39.5	3.0	22.1	4.8	0.0	11.9	0.1	4.2	8.9	22.2	0.1	23.1	1.3	24.4	9.1	1.8	18.5	15.2	23.5
	2	79.8	85.2	66.4	106.8	142.1	149.1	156.4	157.9	129.3	112.3	120.9	145.1	41.0	58.8	75.6	29.1	36.1	30.6	14.8	2.7	18.3	2.1	4.4	16.9	0.9	23.0	3.4	6.2	0.2	9.6	5.9	1.3	1.8	5.8	37.6	35.0
	3	66.0	87.4	67.9	154.7	113.1	126.0	168.8	152.1	167.9	122.9	119.7	118.5	64.0	75.3	71.9	15.4	3.7	28.4	0.1	9.3	0.1	20.5	5.3	3.6	0.1	8.4	7.0	15.5	0.1	0.0	7.6	5.8	5.3	37.7	40.1	17.1
	4	72.4	95.9	84.1	151.2	129.8	127.8	142.5	134.4	156.3	133.0	113.1	118.4	83.4	52.3	56.0	28.2	31.5	14.1	0.0	0.2	0.1	8.0	0.8	6.3	6.9	0.1	6.6	1.9	9.4	15.7	1.0	26.4	0.1	6.8	23.5	13.3
	5	71.6	91.6	105.4	117.2	141.4	118.2	169.3	141.8	136.0	104.6	121.4	106.4	46.6	74.5	76.0	19.2	15.4	34.3	20.0	0.3	6.6	18.5	22.1	11.4	0.0	5.2	0.1	0.1	0.1	1.3	19.9	0.0	4.8	12.1	24.0	8.4
	6	78.5	80.0	80.1	113.7	115.4	133.9	165.0	160.5	145.8	144.9	113.4	122.1	53.1	65.1	39.3	33.1	9.3	5.8	16.6	16.3	16.1	20.2	5.9	3.0	0.1	21.2	23.5	10.4	16.0	7.8	20.3	1.5	0.3	45.4	17.6	10.8
	7	80.2	91.6	96.7	123.6	108.9	146.1	126.7	119.5	164.4	116.2	137.0	108.0	42.3	50.5	69.6	19.2	25.7	30.1	0.1	4.9	19.5	7.2	21.1	7.2	3.3	3.2	0.0	0.1	6.6	8.5	29.5	13.0	12.3	13.1	38.7	37.8
	8	104.8	114.7	99.9	116.7	111.6	115.0	157.6	135.1	156.9	120.0	140.4	118.5	42.7	63.2	68.8	16.0	11.4	29.5	9.6	1.8	7.2	13.9	18.4	11.4	5.0	15.8	4.2	0.0	3.5	4.7	19.8	18.0	6.2	20.0	12.6	20.8
	9	72.8	108.2	76.5	117.5	116.7	141.6	156.0	154.7	138.5	120.9	129.0	110.8	62.8	63.5	38.6	15.9	40.2	33.0	0.0	18.4	9.4	11.3	1.8	0.8	4.1	3.9	4.7	2.9	0.0	6.3	0.1	3.9	0.8	8.0	21.9	37.0
	10	97.6	80.2	111.4	151.4	104.8	122.9	154.0	141.8	135.3	106.4	113.7	135.6	53.0	32.7	65.9	24.8	14.5	14.1	31.5	12.2	1.4	4.7	18.9	6.4	1.7	18.2	12.1	6.5	1.8	0.1	3.0	5.1	21.5	21.7	43.3	33.3
	11	95.3	81.1	94.4	138.1	116.0	130.9	154.6	149.6	163.2	105.8	102.4	95.5	44.6	40.1	42.3	12.9	20.5	16.9	7.4	12.6	18.0	14.1	0.1	23.6	2.1	0.0	6.2	3.2	27.6	6.9	8.9	9.1	0.1	45.7	25.6	18.0
	12	76.9	85.1	110.6	141.2	123.0	121.3	169.8	123.6	142.6	127.2	112.7	117.8	55.5	53.2	55.5	27.9	34.6	12.4	0.3	12.8	7.5	4.4	2.4	19.2	2.9	16.9	0.0	0.0	3.2	5.2	16.1	20.7	5.6	28.9	32.0	26.7
	13	99.6	71.0	109.0	120.0	142.8	131.9	167.0	134.0	151.4	127.9	119.1	130.1	65.8	41.0	62.2	7.7	7.2	27.6	16.6	6.9	14.1	1.2	0.0	14.6	0.0	0.0	3.0	4.4	3.1	8.3	0.1	12.4	10.5	40.1	31.1	4.1
	14	82.0	105.2	83.1	121.9	106.3	119.6	136.5	165.7	135.0	108.1	124.7	127.9	62.7	45.5	59.2	16.0	32.5	12.8	14.4	10.4	7.0	10.3	0.1	1.8	23.4	5.7	1.4	0.8	16.4	9.7	0.0	5.1	16.4	10.9	16.5	29.2
	15	106.0	85.2	98.3	142.2	132.4	116.9	149.8	142.3	136.1	120.7	97.2	130.3	37.1	71.3	63.9	25.8	29.0	25.6	5.5	0.1	0.1	0.0	18.9	21.5	6.6	0.2	18.2	6.4	8.2	4.1	28.1	0.1	21.3	15.6	36.1	30.9
	16	77.1	103.2	85.2	127.4	114.0	137.9	160.9	126.0	149.4	102.3	108.8	126.1	71.2	69.8	78.4	17.0	29.7	41.7	11.7	18.2	21.1	0.9	18.6	0.0	7.3	10.3	11.0	22.0	25.9	5.0	0.5	6.4	5.4	26.0	36.4	22.7
	17	82.6	89.1	86.3	139.0	111.4	115.9	173.0	128.0	142.1	99.3	121.7	117.0	48.5	60.6	47.6	7.2	20.8	39.7	19.0	0.4	8.7	1.6	26.7	11.1	6.8	17.6	9.3	6.7	27.0	12.8	4.9	0.3	3.4	32.7	27.0	12.4
	18	94.4	89.1	116.5	140.9	130.1	123.9	123.8	139.7	140.2	117.7	102.8	113.5	34.7	84.1	71.1	7.0	10.1	29.2	22.3	17.2	22.8	6.0	8.5	11.0	13.3	22.3	4.6	21.4	22.6	8.6	23.5	5.2	0.0	39.2	27.6	22.3
	19	81.4	98.4	103.0	130.1	144.9	131.7	171.2	157.6	159.9	101.2	133.5	135.7	83.3	77.2	51.8	8.0	10.6	11.5	21.9	17.4	0.1	5.1	24.0	0.0	6.3	26.9	19.1	4.7	0.1	9.4	13.8	21.0	14.8	30.8	14.1	25.2
	20	112.4	94.7	82.4	123.2	127.5	137.3	144.7	159.2	135.6	104.1	96.4	97.8	49.7	50.9	63.8	37.3	9.4	38.0	17.5	20.6	0.1	4.4	0.7	10.9	10.5	0.0	1.4	0.7	24.4	0.3	5.9	9.0	12.8	24.8	39.8	44.8
	21	102.2	97.9	69.9	111.1	150.1	129.2	147.1	156.8	156.6	142.3	144.8	121.7	55.1	59.7	75.4	16.4	24.9	8.5	4.5	9.6	23.0	11.9	5.4	5.3	0.1	0.1	12.0	13.2	8.7	1.8	3.6	14.1	4.8	11.9	28.8	40.1
	22	86.1	74.0	104.6	138.6	138.1	121.5	164.1	155.2	159.2	116.9	99.6	125.3	81.6	62.7	61.2	10.2	17.9	5.0	18.2	0.1	33.1	22.2	0.2	8.1	4.8	11.3	26.4	19.0	0.0	13.0	3.2	25.6	23.2	29.1	15.8	22.4
	23	84.9	105.4	78.2	120.5	121.0	140.7	153.8	129.1	137.6	112.2	144.7	108.8	83.3	64.7	35.8	27.5	7.0	9.8	0.1	15.4	25.0	0.0	3.9	12.0	11.1	12.2	4.7	0.1	0.1	0.1	14.3	0.0	0.1	14.9	14.2	33.1
	24	83.0	97.8	94.1	136.9	148.0	129.2	160.8	152.8	130.2	117.4	98.8	126.1	81.5	57.3	51.4	13.0	6.9	15.6	4.7	8.1	0.0	1.6	8.4	10.4	13.0	9.6	5.9	23.8	11.5	4.4	0.1	11.3	4.3	49.3	19.0	44.4
	25	91.6	109.8	100.5	145.9	112.6	151.1	163.6	135.6	128.9	96.8	137.1	140.3	63.5	39.2	40.0	6.7	11.4	18.3	15.4	15.7	6.8	17.2	5.7	19.2	8.4	4.8	0.0	0.0	0.1	6.0	16.9	14.3	25.2	24.3	23.8	43.8
	26	67.4	105.3	85.0	123.5	121.0	140.1	143.2	136.4	158.0	119.3	140.1	137.4	57.3	41.6	49.1	28.0	26.7	40.7	25.0	9.0	6.5	3.0	4.1	24.2	5.6	6.4	7.0	0.1	18.5	6.3	24.2	6.0	22.2	15.9	17.9	20.9
	27	80.8	71.3	79.7	120.5	134.1	131.2	121.5	164.2	135.7	128.9	124.9	127.3	61.6	66.2	66.3	14.4	19.3	32.1	24.3	6.0	16.0	13.7	23.6	12.5	3.7	13.3	10.9	16.4	15.7	16.8	10.3	7.1	0.1	45.1	43.0	29.9
	28	81.6	99.7	99.9	131.1	147.8	123.6	132.4	146.4	140.7	135.5	98.2	104.1	62.8	68.3	57.8	26.2	34.9	44.9	6.7	10.5	3.7	0.0	22.8	24.7	10.7	0.0	3.3	28.3	15.3	0.2	0.8	21.1	9.9	43.4	14.8	15.9
	29	77.1	64.7	91.3	99.7	120.1	124.9	152.7	140.1	144.4	98.8	141.1	108.0	45.0	82.5	60.9	29.3	42.5	29.4	0.0	0.1	2.2	12.4	9.3	7.6	20.6	1.7	2.1	0.1	5.3	6.9	27.7	18.7	1.8	16.0	16.4	24.1
	30	85.0	103.9	110.3	124.2	122.7	121.2	170.7	145.0	128.9	136.9	109.3	129.4	76.9	42.1	37.3																					

DATOS ESTADÍSTICOS DE PRECIPITACIONES EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Puebloviejo	1	92.2	76.9	87.6	126.2	118.8	118.4	142.0	112.5	126.7	118.3	100.3	112.3	79.0	57.1	48.8	37.1	0.5	37.9	14.0	4.0	4.0	3.2	24.1	15.6	13.7	0.1	15.9	0.0	0.6	19.1	7.8	13.4	0.0	21.7	0.5	14.4
	2	93.4	90.7	89.5	124.1	119.1	122.2	130.0	110.8	135.3	135.7	106.1	97.2	56.8	49.7	60.7	11.5	15.6	33.3	14.6	0.3	10.9	0.1	6.3	3.3	0.3	0.3	12.8	2.2	4.5	0.5	1.6	14.0	6.7	21.4	14.3	11.7
	3	65.1	99.4	91.6	130.6	117.4	139.8	130.5	139.8	148.2	102.2	114.3	112.3	48.0	68.8	40.8	0.6	22.6	26.5	10.1	15.1	19.6	16.3	10.4	14.8	4.4	12.8	14.3	14.8	9.1	7.5	2.9	24.9	3.9	0.6	28.7	13.4
	4	91.1	81.4	74.7	114.5	138.3	121.2	133.6	132.3	141.9	103.5	108.2	114.3	78.9	51.2	68.0	2.7	13.6	39.2	0.0	11.6	6.3	0.6	5.2	17.5	10.1	17.3	2.3	0.2	0.1	4.5	13.5	10.4	2.8	6.4	19.7	19.8
	5	82.2	86.5	71.2	128.4	140.7	111.7	133.8	148.6	149.3	117.5	110.9	129.2	58.3	34.0	54.8	25.3	25.4	21.2	10.2	13.4	22.4	7.2	0.2	8.4	0.3	0.2	11.8	5.3	5.5	0.3	1.6	0.2	1.6	26.4	8.4	17.7
	6	99.1	94.3	91.0	130.3	101.3	116.3	117.4	143.4	141.9	107.7	110.3	108.5	64.3	67.3	54.6	22.2	40.5	26.8	2.6	0.8	11.4	7.6	12.9	16.5	8.3	11.5	2.2	5.0	0.2	20.1	22.0	12.4	7.6	19.9	0.1	9.5
	7	89.4	98.4	66.1	103.3	109.9	125.3	137.6	115.4	127.5	123.7	125.8	134.2	55.0	54.1	67.2	36.3	15.9	23.1	0.8	0.2	0.3	10.3	0.3	0.0	2.6	1.4	3.2	0.0	13.7	0.2	22.7	3.1	0.2	32.3	33.6	19.6
	8	101.3	84.0	84.1	120.1	113.3	133.8	121.4	127.5	144.6	123.4	112.7	116.8	68.4	42.3	47.3	15.3	25.9	11.8	0.0	0.2	19.7	0.5	0.2	0.2	11.4	11.9	2.0	0.0	13.1	13.5	2.7	11.0	16.4	9.2	1.8	11.2
	9	78.1	103.3	85.5	115.3	111.5	112.7	150.3	150.7	139.5	131.9	88.8	135.7	67.6	58.1	62.0	11.3	15.3	8.1	1.6	11.4	0.1	10.0	24.5	0.1	8.9	5.3	13.1	18.2	15.8	6.0	11.8	6.5	7.5	31.1	0.2	20.3
	10	84.4	84.8	65.7	134.1	147.4	98.3	129.6	119.0	156.1	105.4	101.9	124.0	66.8	57.1	46.7	14.6	5.5	27.6	21.6	9.8	15.8	14.7	0.3	11.0	0.0	25.5	14.3	24.7	5.5	0.2	10.6	8.2	0.2	24.2	4.0	31.9
	11	59.6	72.5	75.5	115.9	126.5	139.3	130.3	141.2	129.5	131.8	118.6	113.9	73.1	61.5	66.8	17.6	0.5	18.9	5.1	1.2	31.1	3.9	3.3	7.6	2.7	0.0	0.1	11.5	22.5	0.1	0.0	0.4	17.5	0.7	9.5	4.7
	12	73.9	84.4	91.8	127.0	130.1	123.7	125.2	129.0	145.1	109.2	126.4	123.2	52.3	64.5	45.1	35.2	14.4	12.2	10.9	9.2	0.1	0.3	0.0	3.6	11.1	8.3	20.6	11.6	8.1	8.8	19.8	10.9	5.1	10.3	23.8	35.0
	13	97.9	88.2	89.0	125.8	122.8	111.3	134.4	138.2	131.0	117.7	106.5	125.7	56.2	52.9	60.0	16.7	13.4	16.0	0.2	1.6	5.1	0.0	10.7	6.6	0.1	9.7	7.4	10.7	7.2	0.3	6.7	4.8	17.3	25.3	0.5	26.2
	14	63.7	89.3	76.4	129.9	125.0	116.4	128.0	147.2	138.9	121.2	112.9	121.9	61.7	34.7	42.7	32.0	2.6	3.7	18.6	0.2	4.5	9.8	3.7	7.9	2.7	6.7	9.9	26.2	18.1	14.3	12.1	3.2	11.6	10.5	9.5	2.5
	15	59.0	81.0	79.6	118.5	111.4	129.4	130.1	148.8	128.3	131.0	108.2	137.2	79.9	52.9	72.1	5.9	19.5	7.7	20.8	5.9	5.0	17.1	9.7	0.3	1.4	12.1	6.0	13.8	11.4	0.0	24.7	9.9	17.9	29.3	22.4	2.0
	16	84.6	98.4	80.0	125.9	110.5	138.1	137.5	155.1	143.5	121.4	127.4	104.5	64.7	55.3	44.0	26.3	33.4	6.5	11.5	3.4	9.6	9.0	16.2	5.6	0.0	13.9	9.4	12.7	0.3	7.1	26.6	11.3	5.5	19.6	0.5	3.6
	17	65.6	79.8	80.7	129.7	109.1	136.0	111.1	121.8	114.1	114.8	131.2	113.1	56.1	64.0	50.4	11.4	8.5	4.8	20.9	9.0	6.4	4.8	8.0	15.1	6.2	14.4	15.9	11.1	2.4	13.2	3.5	8.2	12.0	7.9	17.7	17.5
	18	78.1	73.7	86.9	143.8	144.5	123.7	121.0	148.4	122.7	116.1	116.9	112.0	59.2	57.3	61.3	21.3	23.4	13.8	13.2	22.9	12.7	8.2	0.1	19.5	11.8	7.1	7.1	0.5	8.6	17.7	0.5	0.3	5.2	21.4	1.7	32.5
	19	96.8	74.0	97.3	131.0	126.7	114.1	116.1	115.5	125.0	127.7	105.0	115.1	49.2	63.2	61.2	21.4	15.1	13.1	0.3	20.2	5.0	8.8	16.5	0.3	15.5	7.7	0.2	12.5	7.0	26.2	8.9	5.5	5.8	32.0	23.0	2.6
	20	82.7	88.4	85.1	118.9	129.0	131.6	133.9	141.7	147.2	122.0	127.9	113.2	60.0	72.4	76.6	19.8	33.4	19.6	21.8	29.5	3.4	0.7	0.0	11.4	16.6	2.0	1.8	0.1	7.5	12.9	4.8	0.1	5.3	18.9	26.3	9.4
	21	73.1	61.5	107.3	119.9	114.7	99.2	132.3	130.9	123.2	112.4	113.5	104.8	56.2	48.3	54.1	0.1	23.5	18.8	11.2	1.5	0.3	8.0	0.0	11.3	9.5	19.5	17.9	11.8	7.2	1.5	7.7	7.9	26.8	21.1	4.6	13.2
	22	92.2	91.0	76.7	123.3	125.6	119.9	110.3	137.9	140.3	115.9	99.7	117.9	37.7	71.2	52.8	21.0	22.9	35.1	23.1	29.3	10.6	5.0	13.2	0.0	27.5	16.7	5.3	4.7	0.3	3.0	6.9	0.3	13.9	6.1	5.7	3.1
	23	66.1	86.8	76.8	116.6	134.2	128.5	110.1	126.6	126.3	111.0	115.4	100.8	61.9	41.9	50.8	18.9	19.5	19.4	23.0	0.3	7.7	4.4	7.6	7.9	8.5	12.2	15.4	5.9	12.8	0.3	2.4	14.2	6.9	0.6	14.5	15.4
	24	98.6	102.4	90.6	116.3	111.7	108.8	127.1	124.0	124.8	134.7	111.9	115.0	59.1	43.5	71.7	11.7	21.2	35.2	11.1	1.6	15.9	7.4	8.7	0.6	10.7	4.5	0.3	0.4	0.4	12.3	0.0	0.0	22.1	1.6	16.5	12.0
	25	105.8	82.0	80.3	113.7	127.9	125.6	147.9	141.9	131.1	112.3	102.0	114.7	39.7	44.1	63.9	2.5	26.5	29.5	18.4	30.5	4.0	20.2	16.5	13.8	10.6	18.1	9.0	0.3	0.0	0.0	14.6	8.2	14.5	0.4	12.1	33.9
	26	90.4	97.3	72.6	140.5	109.1	131.9	155.4	141.6	117.3	131.1	108.5	96.9	51.0	48.8	39.0	34.6	30.1	23.9	19.8	14.0	0.0	14.2	8.2	0.4	12.7	19.5	10.1	11.9	2.3	18.1	15.9	10.4	0.3	19.9	7.0	8.6
	27	70.4	84.7	89.1	125.7	117.6	130.7	109.3	134.4	124.8	113.2	128.3	123.9	48.2	51.5	45.8	29.5	14.1	6.2	13.4	5.7	0.2	0.2	16.0	2.9	26.4	3.8	14.9	0.2	9.9	22.0	4.9	2.0	6.5	16.6	15.1	11.1
	28	87.4	72.1	96.4	118.8	124.0	106.1	122.4	156.6	144.9	118.5	121.3	117.7	66.2	61.1	48.6	35.4	15.6	35.7	0.1	6.4	14.3	6.4	0.2	0.3	13.6	4.9	3.3	16.3	10.4	17.8	1.9	15.1	0.3	33.0	27.7	17.6
	29	80.5	69.2	78.3	134.6	114.5	100.0	125.7	114.1	145.8	138.2	140.8	105.9	64.1	47.1	48.3	3.8	19.6	5.4	13.1	12.7	10.9	12.5	13.0	0.1	3.9	2.5	16.2	0.0	0.0	7.3	11.5	0.6	0.1	20.4	37.0	28.7
	30	74.9	90.0	79.1	129.7	124.3	107.1	112.2	135.1	125.8	141.1	100.6	116.0	54.8	57.8	45.5	11.5	19.2																			

Anexo 3. Temperatura por estaciones meteorológicas en la provincia Los Ríos empleadas en el análisis de favorabilidad de *Ochroma pyramidale* (Cav. ex Lam.) Urb. (balsa)

Ubicación	Años / decenas	DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Babahoyo	1	25.3	25.5	25.8	25.7	25.9	25.6	25.9	26.0	25.8	26.2	26.2	26.1	25.9	25.5	25.8	24.0	24.1	24.4	23.1	23.4	23.2	22.9	23.0	23.0	23.6	24.0	24.2	24.0	23.9	23.8	24.0	24.8	24.7	24.5			
	2	25.2	25.5	25.5	25.7	25.8	25.9	26.0	25.8	26.2	26.0	25.8	25.7	25.9	26.0	25.4	23.9	23.8	24.3	23.3	23.1	23.2	23.0	23.1	23.1	23.8	23.9	24.1	24.4	23.7	24.1	23.7	23.7	23.8	24.9	24.7	24.8	
	3	25.6	25.5	25.5	25.4	25.7	25.7	25.9	25.5	25.9	25.9	26.2	26.1	25.6	25.9	25.5	24.4	24.0	24.6	23.1	22.8	23.4	23.5	22.9	22.9	23.6	23.4	23.6	23.7	24.3	23.9	23.6	23.9	24.2	24.4	24.4	24.5	
	4	25.2	25.5	25.5	25.7	26.2	25.8	26.0	25.9	26.2	25.8	25.8	25.6	25.5	26.0	25.5	23.9	24.0	24.1	23.4	23.4	23.1	23.0	22.7	23.3	23.9	23.6	23.5	24.0	23.7	23.7	23.9	23.9	23.9	24.9	24.8	24.6	
	5	25.7	25.5	25.4	26.2	25.9	26.0	25.8	26.2	25.9	26.0	25.5	26.1	25.8	25.5	25.6	24.4	24.6	23.8	23.3	23.0	23.3	23.1	23.1	23.1	23.5	23.9	23.7	23.6	23.6	24.0	24.0	24.0	24.3	24.5	24.5	25.0	
	6	25.5	25.6	25.8	26.2	25.4	25.8	25.4	26.3	25.8	25.9	26.1	26.2	25.6	25.4	25.7	24.3	23.9	24.4	23.2	23.5	23.1	23.1	23.3	23.0	23.7	23.6	24.0	23.9	23.9	24.0	24.2	24.8	24.6	24.8			
	7	25.3	25.2	25.1	25.3	25.8	25.7	25.5	25.7	26.2	25.8	25.6	25.7	25.6	25.9	25.8	24.0	24.0	24.3	22.9	23.6	23.3	23.0	23.1	23.4	23.5	24.0	23.6	24.4	23.9	24.1	23.9	24.3	24.4	24.5			
	8	25.6	25.7	25.5	26.1	25.9	25.5	26.0	26.1	25.8	26.1	25.9	26.3	25.8	25.7	25.9	24.2	24.2	24.2	23.2	23.3	23.2	23.2	22.8	23.3	23.4	23.9	23.9	23.8	23.9	23.8	23.7	23.8	24.4	24.5	24.6		
	9	25.5	25.4	25.1	25.8	25.9	25.6	25.9	26.1	26.0	25.9	25.6	26.3	25.6	25.7	25.7	24.5	24.3	24.2	23.1	23.0	23.0	22.9	22.9	23.4	23.5	23.2	23.4	24.3	23.7	24.0	24.0	23.9	23.8	24.5	24.9	25.0	
	10	25.3	25.3	25.9	25.8	25.8	26.0	25.8	26.2	26.0	26.0	26.2	26.0	25.6	25.6	25.9	25.5	24.1	24.0	24.4	23.4	23.5	23.2	23.2	22.8	23.4	23.9	23.7	23.9	23.8	24.4	24.2	23.8	24.0	24.1	24.7	24.8	24.5
	11	25.2	25.3	25.5	25.6	26.0	25.8	26.4	25.6	26.0	25.9	26.2	25.7	25.9	26.1	25.8	24.3	23.9	24.4	23.3	23.3	23.3	23.0	22.7	23.7	23.6	23.5	24.1	24.1	23.8	24.0	24.1	24.0	24.7	24.9	24.2		
	12	25.3	25.7	25.4	25.8	25.5	26.0	26.2	25.7	26.1	26.2	25.6	25.7	25.5	25.9	25.8	24.4	24.2	24.1	23.0	23.4	23.0	23.0	22.6	23.1	22.9	23.5	23.6	23.7	23.8	23.7	23.8	24.2	23.7	24.0	24.8	24.2	24.5
	13	25.6	25.4	25.8	26.2	25.8	25.7	25.9	26.0	25.7	26.0	26.1	25.8	25.6	25.8	25.9	24.1	24.6	24.5	22.9	23.5	23.2	23.3	23.2	23.2	23.3	24.1	24.1	23.9	23.8	23.8	23.9	24.0	23.9	24.7	24.5	24.9	
	14	25.6	25.0	25.3	25.8	25.9	25.9	25.6	25.5	25.9	26.1	26.0	26.3	25.7	25.6	25.9	24.4	24.0	23.7	23.0	23.2	23.4	23.0	22.9	23.1	23.3	23.5	23.5	24.5	23.9	23.6	23.7	24.2	24.1	24.6	24.8	24.6	
	15	25.5	25.4	25.3	25.7	25.9	26.0	25.9	26.1	25.9	26.0	26.3	25.9	25.8	25.3	25.6	24.4	24.0	24.1	23.2	23.6	23.2	23.0	22.8	22.9	24.1	24.0	24.0	24.2	24.2	23.8	24.4	24.6	24.6	24.8			
	16	26.0	25.2	25.3	25.5	26.0	26.1	26.1	25.7	26.1	25.6	26.1	25.8	25.8	25.6	26.1	24.1	24.3	23.9	22.8	23.3	23.0	23.0	22.9	23.7	23.6	23.8	24.0	23.8	23.9	24.0	23.9	23.6	24.6	24.5	24.4		
	17	25.6	25.7	25.9	25.7	25.7	25.6	26.1	25.9	26.0	26.1	25.7	25.6	25.9	26.1	25.8	24.1	24.5	24.5	22.9	22.9	23.6	22.6	23.0	22.8	23.5	23.9	23.3	24.1	24.2	24.0	23.9	24.2	23.9	24.4	24.9	24.8	
	18	25.6	25.7	25.2	25.8	25.6	25.5	26.1	25.9	26.0	25.8	25.9	26.0	25.6	25.3	25.6	24.5	24.1	24.5	22.7	23.4	23.3	23.4	22.8	22.8	23.9	23.8	23.5	23.8	24.1	24.0	24.3	23.7	23.8	24.8	25.0	24.9	
	19	25.2	25.7	25.7	25.6	25.6	25.5	25.8	26.3	25.9	25.9	26.1	26.0	25.9	26.0	25.7	24.1	23.9	24.4	23.1	23.4	23.0	23.2	23.0	23.4	23.6	24.0	23.6	23.8	24.3	24.2	24.0	24.6	24.5	24.5			
	20	25.8	25.0	25.4	25.7	25.5	25.8	25.6	25.7	26.2	25.6	26.0	25.6	26.1	25.5	25.4	24.2	23.8	24.4	23.2	23.3	23.1	23.2	23.0	22.6	23.5	23.5	23.5	23.6	24.3	24.1	24.2	24.1	23.8	24.6	24.9	24.7	
	21	25.6	25.7	25.5	25.7	25.5	25.4	26.2	25.9	26.3	26.0	26.1	26.3	25.6	26.0	25.3	24.5	24.0	24.2	23.4	23.5	22.7	23.2	23.0	22.6	23.7	23.7	23.5	24.0	23.9	24.1	24.2	24.3	23.7	24.6	24.9	24.6	
	22	25.3	25.9	25.4	25.9	25.9	26.0	26.2	26.0	25.6	26.1	25.8	25.8	25.5	25.7	25.5	23.9	24.0	24.5	22.8	23.5	22.8	23.0	23.1	23.0	23.6	23.9	23.9	24.0	24.0	23.6	24.2	24.0	23.9	24.6	25.0	24.7	
	23	25.6	25.6	25.6	25.8	25.8	26.1	25.8	25.9	25.7	25.5	26.4	25.9	26.1	25.5	25.7	23.9	24.4	23.8	23.5	23.5	23.1	23.0	23.0	22.9	24.0	23.9	23.6	24.4	23.9	24.0	24.1	23.9	24.1	24.5	24.4		
	24	25.2	25.2	25.3	26.0	25.6	25.9	26.0	25.8	25.9	26.5	26.3	25.9	26.0	25.4	25.6	24.3	24.0	24.1	23.3	23.2	23.6	23.3	23.5	22.8	23.6	23.6	23.8	24.1	24.1	23.9	24.4	24.1	24.0	24.8	24.5	24.5	
	25	25.3	25.3	25.4	25.8	25.6	25.7	26.1	25.9	25.7	25.8	26.2	25.4	25.8	25.5	24.3	24.3	23.9	23.0	23.2	23.1	23.4	22.9	22.8	23.6	23.5	23.8	23.8	23.8	24.0	23.9	24.2	24.8	24.7	24.6			
	26	25.4	25.6	25.6	25.9	25.7	25.4	26.4	25.6	26.2	26.3	26.0	26.2	25.6	25.5	25.3	23.9	24.0	24.5	23.2	22.9	23.2	23.1	23.4	23.4	23.8	24.3	23.7	24.0	24.0	23.8	24.1	24.0	23.8	24.6	24.7	24.8	
	27	25.6	25.2	25.6	25.5	26.1	25.5	25.5	25.7	26.0	26.4	25.9	26.2	25.4	25.2	25.3	24.2	24.0	24.2	23.0	23.0	23.2	23.4	23.4	23.2	23.5	23.3	23.9	24.0	24.0	23.7	24.1	24.1	24.0	24.8	24.6	24.8	
	28	25.1	25.6	26.0	25.7	25.8	25.6	25.8	25.6	26.2	25.8	25.8	26.0	25.6	25.9	26.0	24.2	24.4	24.2	23.1	23.0	23.2	23.2	22.9	22.8	23.9	23.7	23.6	23.6	23.8	24.4	24.1	24.2	23.9	23.8	25.1	24.7	24.5
	29	25.6	25.3	25.6	25.9	25.9	25.4	26.1	25.9	26.0	25.9	26.3	26.2	25.5	25.9	25.5	24.4	24.3	24.5	23.1	23.0	23.5	22.9	22.7	22.9	23.9	23.6	23.3	23.8	24.4	24.1	24.2	23.9	23.8	25.1	24.7	24.5	
	30	25.1	25.6	25.3	26.1	25.6	25.9	25.8	25.8	25.6	26.3	26.0	25.																									

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Jauneche	1	25.2	25.4	25.4	25.7	25.6	26.2	26.1	26.5	26.3	26.7	26.6	26.5	26.0	25.5	25.8	24.8	24.9	24.4	24.0	24.1	24.4	24.5	24.2	24.1	24.9	25.1	24.5	25.1	24.9	25.0	25.0	25.1	25.0	25.5	25.2	25.2
	2	25.6	25.8	25.3	26.0	26.0	26.0	26.3	26.4	26.3	26.5	26.4	26.4	25.9	25.8	25.6	24.7	24.5	24.5	23.8	24.0	23.8	24.3	24.5	24.3	24.9	24.7	24.5	24.8	25.0	25.3	25.1	24.8	25.4	25.2	25.5	25.2
	3	25.6	25.7	25.4	26.1	26.1	25.8	26.1	26.6	26.3	26.7	26.6	26.7	25.9	25.9	25.9	24.5	24.5	24.6	24.0	23.6	23.8	24.5	24.3	24.5	24.8	24.9	24.5	25.0	25.1	25.3	25.1	25.0	25.2	25.5	25.2	25.6
	4	25.3	25.5	25.8	25.7	25.9	26.1	26.5	26.4	26.2	26.5	26.3	26.3	25.7	25.9	25.6	24.5	24.4	24.2	23.8	24.2	24.0	24.6	24.1	24.0	24.6	24.9	24.4	24.9	25.1	24.6	25.3	24.7	25.3	25.2	25.4	25.5
	5	25.5	25.4	25.5	26.1	26.2	25.9	26.3	26.5	26.2	26.4	26.2	26.8	25.9	26.1	26.0	24.4	24.3	24.6	23.8	24.1	24.0	24.3	24.1	24.2	24.8	24.8	24.8	24.7	24.9	25.0	24.7	24.8	25.4	25.3	25.1	25.4
	6	25.4	25.5	25.6	25.8	25.9	25.8	26.3	26.4	26.4	26.5	26.6	26.8	25.5	25.7	25.6	24.6	24.9	24.3	24.0	24.1	24.1	24.5	24.9	24.7	24.5	24.9	25.0	25.2	24.7	25.0	24.7	25.3	25.4	25.3		
	7	25.5	25.6	25.1	25.8	26.1	26.0	26.6	26.5	26.0	26.7	26.5	26.2	26.2	25.9	25.7	24.3	24.6	24.4	23.6	23.9	24.3	24.3	24.2	24.5	24.8	25.0	25.0	25.1	25.1	24.7	24.7	25.4	25.0	25.6	25.2	
	8	25.5	25.7	25.2	25.9	26.2	26.0	26.1	26.2	26.1	26.7	26.4	26.5	26.1	25.9	25.7	24.6	24.6	24.4	23.8	23.9	24.2	24.7	24.1	24.3	24.6	24.9	24.6	25.4	24.6	25.2	24.8	25.3	25.0	25.4	25.1	
	9	25.6	25.5	25.4	25.9	25.7	26.0	26.4	26.4	26.0	26.9	26.1	26.6	25.5	25.6	25.7	24.7	24.4	24.6	23.9	23.7	23.7	24.2	24.1	24.0	24.8	24.9	25.0	24.8	25.2	25.3	24.7	25.0	25.1	25.2	25.3	
	10	25.5	25.4	25.5	25.9	26.0	25.9	26.1	26.4	26.5	26.6	26.7	26.5	26.2	25.6	25.5	24.6	24.7	24.7	24.6	24.0	24.2	24.5	24.2	24.7	25.0	25.0	25.0	25.2	25.0	24.8	25.1	25.1	25.3	25.7	25.2	
	11	25.5	25.3	25.5	25.8	26.0	25.6	26.4	26.2	26.0	26.3	26.5	26.9	25.8	26.0	25.8	24.2	24.6	24.6	24.0	24.1	23.9	24.1	24.3	24.7	24.7	24.7	25.2	25.4	25.0	25.0	25.2	25.4	25.3	25.4	25.6	
	12	25.3	25.6	25.4	26.0	25.9	25.6	26.4	26.5	26.1	26.8	26.5	26.6	26.0	26.2	25.8	24.6	24.6	24.6	24.0	24.1	24.5	24.5	24.3	24.9	24.9	24.8	25.1	25.0	25.1	25.4	25.2	25.3	25.1	25.3	25.4	
	13	25.4	25.7	25.5	25.8	26.1	25.6	26.3	26.5	26.2	26.4	26.5	26.2	25.8	25.9	25.6	24.2	24.4	23.7	23.7	23.8	24.3	24.5	24.1	24.6	24.5	24.7	25.1	24.8	25.1	24.9	24.7	24.8	25.4	25.1	25.1	
	14	25.5	25.6	25.3	25.8	26.0	25.9	26.5	26.0	26.3	26.7	26.1	26.8	25.9	25.9	26.2	24.8	24.5	24.4	23.9	24.1	23.9	24.4	24.3	24.4	24.7	25.0	24.9	25.0	24.9	25.0	24.8	25.1	25.5	25.0	25.3	
	15	25.4	25.7	25.5	25.9	25.9	25.9	26.4	26.4	26.6	26.3	26.3	26.5	25.9	25.8	25.7	24.1	24.6	24.6	23.8	23.8	24.0	24.2	24.3	24.4	24.9	25.0	24.9	24.9	24.7	25.3	24.7	24.9	25.0	25.4	25.6	25.4
	16	25.4	25.6	25.8	26.1	26.1	25.8	26.7	26.7	26.4	26.4	26.1	25.6	25.6	24.5	24.4	24.6	24.2	23.8	23.9	24.4	24.3	24.1	25.2	25.1	24.9	25.2	25.0	25.3	25.0	25.2	25.0	25.5	25.2	25.2		
	17	25.3	25.7	25.6	25.7	25.6	25.5	26.6	26.5	26.7	26.6	26.4	26.6	26.0	26.2	25.6	24.7	24.5	24.7	24.0	24.0	23.9	23.9	24.5	24.7	25.0	24.5	24.8	24.8	25.2	25.2	25.1	24.7	24.9	25.3	25.4	25.4
	18	25.2	25.5	25.2	25.8	26.1	25.5	26.2	26.2	26.5	26.4	26.5	26.0	26.1	25.8	24.7	24.4	24.7	24.4	24.0	24.1	24.5	24.2	24.6	24.6	25.0	24.7	25.1	25.1	25.2	24.9	25.0	25.2	25.4	25.3		
	19	25.9	25.5	25.9	26.2	26.0	25.8	26.0	26.2	26.4	26.6	26.3	26.4	26.1	25.6	25.8	24.5	24.7	24.5	23.9	24.0	24.2	24.4	24.5	24.6	24.9	25.1	25.2	24.9	25.0	24.8	24.9	25.3	25.1	25.4	25.2	25.2
	20	25.6	25.4	25.7	25.7	26.1	25.8	26.4	26.4	26.4	26.5	26.5	26.6	25.9	25.7	26.0	24.3	24.6	24.6	24.4	23.9	24.0	24.0	24.2	24.2	25.2	24.7	25.0	24.9	25.0	24.9	25.2	24.9	25.7	25.4	25.5	
	21	25.5	25.6	25.6	26.1	25.8	25.9	26.5	26.2	26.4	26.1	26.8	26.7	25.6	25.8	25.8	24.4	24.4	24.4	23.9	23.9	23.9	24.5	24.4	24.4	25.0	25.0	24.8	25.0	25.2	25.0	24.8	24.9	25.6	25.7	25.1	
	22	25.4	25.8	25.8	26.0	25.8	25.7	26.3	26.1	26.6	26.6	26.7	26.8	25.8	25.9	25.6	24.4	24.9	24.8	23.9	24.3	24.1	24.8	24.6	24.6	24.7	24.9	24.9	25.2	24.8	25.1	24.7	25.1	25.2	25.3	25.5	
	23	25.7	25.5	25.4	25.9	25.6	25.9	26.0	26.1	26.2	26.6	26.7	26.5	25.6	25.8	26.1	24.1	24.5	24.4	24.5	23.8	23.6	24.4	24.0	24.4	24.4	24.5	25.1	24.6	25.3	25.2	24.9	25.2	25.1	25.5	25.1	25.2
	24	25.1	25.4	25.6	26.0	25.7	25.6	26.4	26.4	26.4	26.5	26.3	26.5	25.8	26.0	26.1	24.1	24.8	24.6	24.8	23.9	24.2	24.4	24.7	24.9	24.8	24.7	25.2	25.1	25.1	25.3	25.0	25.1	25.0	25.4	25.0	25.4
	25	25.8	25.5	25.5	25.4	25.4	25.7	26.2	26.1	26.4	26.6	26.8	26.8	25.6	25.8	26.0	24.2	24.5	24.5	24.5	24.0	24.1	24.4	24.4	24.7	25.1	24.7	25.2	24.9	25.2	25.0	25.2	24.8	25.2	25.3	25.3	
	26	25.7	25.7	25.7	25.9	26.0	26.1	26.5	26.3	26.6	26.6	26.2	26.3	25.8	26.1	26.0	24.4	24.7	24.2	24.2	23.8	24.0	24.4	24.8	24.3	24.6	24.9	24.6	24.7	24.8	24.7	25.0	25.0	25.1	25.2	25.5	
	27	25.6	25.8	25.6	25.6	26.1	25.5	26.2	26.3	26.7	26.6	26.8	26.4	25.8	26.0	25.9	24.5	24.8	24.8	24.3	24.2	23.9	24.2	24.3	24.5	25.2	25.0	24.6	24.6	25.0	25.1	25.0	25.1	25.0	25.2	25.3	
	28	25.4	25.1	25.7	25.9	25.9	25.9	26.5	26.7	26.1	26.6	26.5	26.6	25.8	26.0	26.1	24.2	24.1	24.8	24.8	24.3	23.8	24.1	24.3	24.2	24.6	24.6	25.0	24.5	24.9	24.6	25.1	25.3	25.3	25.3		
	29	25.7	25.6	25.2	26.0	26.1	25.6	26.5	26.2	26.1	26.6	26.3	26.6	26.1	25.8																						

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
IMaria	1	25.3	25.4	25.9	25.8	25.8	26.0	26.3	26.4	26.7	26.7	26.3	26.6	26.3	26.0	25.9	24.3	24.8	24.3	23.3	23.6	23.3	23.4	23.0	23.6	23.7	23.5	24.0	24.5	24.5	24.1	24.3	24.7	24.7	25.0	25.2	25.5	
	2	25.6	25.2	25.4	26.0	26.1	26.0	26.3	26.7	26.3	26.4	26.6	26.6	26.0	25.8	25.5	24.1	24.7	24.6	23.0	23.4	23.1	23.1	23.3	23.5	24.0	23.7	23.7	24.5	24.3	24.0	24.7	24.6	24.5	25.2	25.3	25.1	
	3	25.4	25.6	25.3	26.0	25.6	25.5	26.4	26.6	26.2	26.8	26.8	25.5	25.9	25.7	24.6	24.8	24.5	23.7	23.2	23.2	23.7	23.5	23.2	23.8	23.5	23.9	24.5	24.1	24.2	24.7	24.4	24.6	25.3	25.0	24.9		
	4	25.2	25.1	25.7	25.7	25.7	26.0	26.1	26.3	26.4	26.7	26.4	26.3	25.7	25.9	25.9	24.5	24.5	24.5	23.3	23.2	23.4	23.0	23.3	22.9	24.0	24.3	23.9	24.5	24.3	24.5	24.7	24.2	24.2	25.1	25.1	25.0	
	5	25.6	25.4	25.5	25.7	25.6	26.0	26.3	26.3	26.5	26.9	26.6	25.8	25.8	25.5	24.6	24.2	24.7	23.1	23.5	23.1	23.2	23.6	23.9	24.2	23.9	24.7	24.4	24.8	24.4	24.5	24.5	25.5	25.4	25.2			
	6	25.1	25.3	25.8	26.0	25.6	25.9	26.7	26.3	26.4	26.4	26.5	26.3	25.8	25.9	25.9	24.8	24.5	24.6	23.1	23.5	23.4	23.2	23.4	23.6	23.7	24.1	24.6	24.1	24.0	24.4	24.6	24.5	25.1	25.4	25.2		
	7	25.6	25.7	25.4	25.9	26.1	25.8	26.5	26.2	26.3	26.4	26.3	26.2	25.7	25.6	25.4	24.3	24.5	24.3	23.4	23.4	23.6	23.4	23.0	23.3	23.8	24.0	23.8	24.5	24.4	24.3	24.3	24.4	24.3	25.2	25.3	25.2	
	8	25.7	25.8	25.7	25.6	26.0	25.9	26.2	26.2	26.0	26.1	26.7	26.3	25.9	25.8	26.0	24.2	24.5	24.2	23.0	23.4	23.0	23.0	23.6	23.5	23.8	24.0	23.9	24.6	24.3	24.4	24.3	24.6	25.1	25.2	25.4		
	9	25.1	25.5	25.9	25.8	26.1	25.8	26.5	26.3	26.1	26.9	26.1	26.8	26.0	25.8	25.9	24.1	24.5	24.7	23.5	22.9	23.7	23.0	23.1	23.4	23.5	23.6	23.9	24.3	24.0	24.7	24.9	24.4	24.5	25.1	25.5	24.8	
	10	25.3	25.3	25.9	25.5	25.7	25.8	26.3	26.4	26.5	26.5	26.5	27.0	25.9	25.8	25.6	24.5	24.8	24.6	23.3	23.3	23.3	23.4	23.3	23.7	23.6	24.1	23.8	24.0	24.1	24.5	24.6	24.7	24.4	25.2	25.4	25.5	
	11	25.4	25.4	25.7	25.9	25.8	25.8	26.3	26.2	26.3	26.5	26.9	26.3	25.9	25.8	26.1	24.6	24.1	24.9	23.3	23.3	23.3	23.4	23.1	23.9	23.7	23.7	24.6	24.2	24.5	24.9	24.2	24.6	24.8	25.2	25.2		
	12	25.4	25.3	25.4	25.9	25.7	25.9	26.3	26.3	26.5	26.3	26.5	25.7	26.0	25.9	24.8	24.8	24.1	23.3	23.5	23.4	23.5	23.5	22.9	24.3	24.3	24.1	24.4	24.4	24.6	24.6	24.2	24.2	25.0	25.0	25.2		
	13	25.6	25.6	25.5	25.5	25.7	25.9	26.2	26.5	26.2	26.3	26.5	26.5	26.1	25.6	25.6	24.8	24.7	24.4	23.3	22.9	23.4	23.2	23.5	23.6	23.9	23.9	23.7	24.4	24.4	24.1	24.5	24.6	24.4	25.3	25.6	25.1	
	14	25.8	25.7	25.9	25.5	25.7	25.9	26.3	26.4	26.6	26.2	26.7	26.5	25.6	25.4	25.6	24.5	24.5	24.3	24.7	23.7	23.4	23.5	23.1	23.1	23.1	23.6	23.8	23.5	24.1	24.1	24.5	24.7	24.2	25.3	25.0	25.5	
	15	25.1	25.7	25.9	25.6	26.0	25.8	26.5	26.3	26.7	26.4	26.4	26.7	26.0	25.5	25.7	24.5	24.7	24.6	23.5	23.0	23.5	23.4	23.4	23.4	23.4	23.7	23.5	23.9	24.5	24.0	24.2	24.2	24.8	24.4	25.2	25.3	25.0
	16	25.8	25.6	25.6	25.7	25.9	26.1	26.5	26.3	26.4	26.6	26.4	26.3	26.1	25.8	25.7	24.5	24.8	24.7	23.1	22.9	23.6	23.4	22.9	23.6	23.5	23.9	23.5	24.1	24.1	24.2	24.4	24.6	24.2	25.0	25.2	25.2	
	17	25.5	25.5	25.7	25.9	25.9	26.1	26.1	26.0	26.6	26.7	26.5	26.6	26.0	26.0	25.6	24.8	24.6	24.3	23.4	23.6	23.5	23.4	23.1	23.7	24.1	24.0	24.0	24.3	24.7	24.8	24.5	24.5	25.4	25.0	25.1		
	18	25.1	25.2	25.6	25.5	25.9	26.0	26.2	26.2	26.3	26.4	26.5	26.8	26.7	25.8	25.9	25.9	24.6	24.4	24.2	23.5	23.3	23.4	23.6	23.5	23.8	23.8	24.0	24.6	24.3	24.6	24.8	24.7	24.4	24.8	24.8	25.0	
	19	25.8	25.6	25.4	25.9	25.9	25.6	26.2	26.6	26.4	26.5	26.3	26.9	26.1	25.5	25.8	24.3	24.3	24.7	23.3	23.3	23.1	23.2	23.3	23.5	23.7	23.8	23.9	24.4	24.6	24.1	24.7	24.8	24.5	24.9	25.4	25.3	
	20	25.7	25.6	25.6	26.2	25.8	26.0	26.4	26.7	26.4	26.5	25.9	25.8	26.1	24.5	24.5	24.2	24.2	23.3	23.1	23.5	22.9	23.7	23.8	23.5	23.6	24.3	24.7	24.6	24.1	24.1	24.8	25.1	25.2	25.0			
	21	25.3	25.5	25.6	25.9	25.5	25.6	26.5	26.2	26.1	26.3	26.5	26.4	25.9	26.0	25.9	24.8	24.4	24.7	23.3	23.4	23.1	23.1	23.8	23.3	23.7	23.9	24.1	24.4	24.6	24.6	24.5	25.2	25.2	25.2			
	22	25.3	25.5	25.4	25.8	25.9	25.8	26.3	26.6	26.4	26.6	26.5	27.0	25.7	25.5	26.3	24.5	24.6	24.8	23.2	23.4	23.6	23.4	23.5	23.3	23.7	23.6	23.8	24.6	24.2	24.0	24.7	24.4	24.6	25.1	24.9	24.9	
	23	25.3	25.2	25.3	25.9	26.1	26.0	26.3	26.5	26.6	26.8	26.2	25.6	26.0	26.0	24.7	24.6	24.5	23.3	23.3	23.0	23.4	23.0	23.3	23.6	23.8	24.1	24.7	24.1	24.5	24.4	24.1	24.5	24.8	25.5	25.5		
	24	25.6	25.4	25.9	25.6	26.0	25.8	26.7	26.5	26.4	26.3	26.4	25.8	25.7	25.6	24.4	24.2	24.2	24.3	23.2	23.0	23.3	23.3	23.5	23.8	23.9	24.6	24.0	24.0	24.8	24.5	24.8	25.1	25.1	25.3			
	25	25.5	25.5	25.1	25.7	26.2	25.6	26.4	26.8	26.4	26.9	26.2	26.5	25.8	25.6	25.9	24.8	24.6	24.3	23.1	23.1	23.0	23.0	23.4	23.1	23.8	24.2	23.7	24.2	24.6	24.6	24.2	24.8	24.6	25.1	24.9	25.3	
	26	25.6	25.4	25.6	25.9	25.5	26.7	26.8	26.6	26.3	26.4	26.9	25.7	25.5	26.0	24.6	24.5	24.5	24.0	23.6	23.6	23.3	23.4	23.8	23.7	23.8	23.8	24.3	24.7	24.7	24.7	24.5	24.5	25.2	25.1	24.9		
	27	25.6	25.8	25.6	25.7	25.8	25.9	26.2	26.5	25.9	26.5	26.6	26.3	25.9	25.6	25.8	24.8	24.7	24.4	23.3	23.7	23.4	23.4	23.6	23.5	23.9	23.9	23.8	24.3	24.5	24.5	24.5	25.2	25.3	25.1			
	28	25.5	25.6	25.4	26.1	25.9	25.9	26.3	26.5	26.0	26.6	26.6	26.5	25.6	25.8	26.2	24.6	24.4	24.4	23.6	23.5	23.5	23.0	23.4	23.0	23.8	23.9	24.2	24.0	24.7	24.5	24.1	24.5	25.2	25.5	25.4		
	29	25.7	25.2	25.4	26.0	25.6	25.6	26.2	26.1	26.4	26.5	26.3																										

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Pichilingue	1	25.2	24.9	25.1	25.5	25.6	25.4	25.6	25.5	26.0	25.6	25.3	25.3	25.0	25.4	24.0	24.2	24.1	23.5	23.5	23.4	23.0	23.5	23.3	23.4	23.5	23.4	23.8	23.5	23.9	24.6	24.8	24.5	25.0	25.0	24.6	
	2	25.1	25.4	24.9	25.4	25.4	25.0	25.4	25.2	25.5	25.6	25.6	25.4	25.4	25.6	25.1	24.2	24.2	24.3	23.3	23.3	23.4	23.1	23.0	23.2	23.4	23.3	23.7	23.7	24.1	24.5	24.3	24.6	25.0	24.9	25.1	
	3	25.4	25.1	24.9	25.3	25.2	25.5	25.3	25.7	25.3	25.3	25.6	25.2	24.9	25.2	25.0	24.6	24.2	24.1	23.0	23.3	23.4	23.6	23.5	23.7	23.4	23.6	23.9	23.9	24.1	24.7	24.5	24.3	24.7	24.9	24.6	
	4	25.1	25.2	25.1	25.0	25.4	25.5	25.7	26.0	25.2	25.2	25.2	25.9	25.0	25.0	25.3	24.3	24.1	24.5	23.6	23.2	23.2	23.4	23.4	23.3	23.2	23.2	23.6	23.6	23.8	24.0	24.1	24.4	24.5	24.7	24.7	24.7
	5	25.2	24.7	24.6	25.8	25.4	25.6	25.3	25.7	25.8	25.3	25.7	25.8	25.3	25.1	25.0	24.4	24.0	24.2	22.9	23.2	23.0	23.1	23.4	23.3	23.5	23.2	23.2	24.1	23.7	23.4	24.6	24.5	24.1	25.0	24.7	25.3
	6	25.5	24.9	24.7	25.5	25.3	25.4	25.5	25.1	25.3	25.4	25.6	25.6	25.5	25.0	24.9	24.1	24.4	24.7	23.7	23.2	23.3	23.5	23.4	23.7	23.5	23.4	23.4	24.2	24.0	24.3	24.2	24.2	24.8	24.9	24.7	
	7	25.3	25.1	25.0	25.2	25.7	25.1	25.1	25.4	25.5	25.5	25.6	25.8	24.9	25.4	25.5	24.3	24.2	24.0	23.5	23.5	23.3	23.4	23.4	23.8	23.4	23.4	24.2	23.6	23.8	24.4	24.6	24.0	25.2	24.8	24.9	
	8	25.2	25.0	24.6	25.3	25.0	25.3	25.3	25.8	25.5	25.3	25.8	25.4	25.1	24.9	25.0	24.3	24.1	24.1	23.3	23.7	23.3	23.2	23.4	23.6	23.7	23.6	23.4	23.9	23.8	23.6	24.6	24.5	24.3	24.6	25.0	24.9
	9	25.0	25.0	24.8	25.2	25.1	25.5	25.3	25.5	25.1	25.3	25.5	25.5	25.4	25.3	25.3	24.3	24.4	24.0	23.4	23.5	23.2	23.5	23.4	23.4	23.8	23.7	23.6	23.9	23.6	24.0	24.1	24.5	24.4	24.5	24.8	24.7
	10	24.9	25.3	24.6	25.3	25.0	25.4	25.9	25.1	25.7	25.4	25.5	25.6	25.1	25.5	25.2	24.0	24.4	24.4	23.4	23.1	23.2	23.2	23.6	23.6	23.6	23.8	23.8	24.2	24.1	23.9	24.5	24.3	24.9	25.0	24.8	
	11	25.1	24.8	25.4	25.1	25.2	25.4	25.3	25.6	25.9	25.9	25.3	25.6	25.2	25.1	25.0	24.3	24.3	24.6	23.4	23.4	23.5	23.2	23.5	23.2	23.7	24.0	23.5	24.0	23.8	24.7	24.5	24.7	24.6	24.9	25.0	
	12	25.2	25.1	24.6	25.6	25.8	25.5	25.6	25.5	25.3	25.7	25.6	25.2	25.1	25.2	25.0	24.7	24.2	24.1	23.4	23.6	23.6	23.2	23.5	23.7	23.5	23.4	23.9	24.2	23.7	24.4	24.3	24.1	24.3	24.6	25.1	
	13	25.2	24.9	25.0	25.7	25.2	25.3	25.7	25.2	25.3	25.5	25.8	25.4	25.1	25.0	25.2	24.1	24.3	24.2	23.5	23.4	23.3	23.6	23.6	23.4	23.5	23.9	24.0	24.2	24.1	24.2	24.1	25.0	24.7	24.6		
	14	24.9	24.6	24.9	25.3	25.3	25.6	25.8	25.5	25.5	25.3	25.6	25.4	24.7	25.2	25.3	24.4	24.1	24.1	23.4	23.3	23.0	23.1	23.5	23.4	23.6	23.7	23.9	24.0	23.7	24.0	24.2	24.5	24.5	25.0	24.8	
	15	24.8	25.1	24.8	25.7	25.5	25.3	25.3	25.4	25.3	25.6	25.3	25.5	24.9	25.5	24.4	24.6	24.0	23.7	23.2	23.6	23.3	23.3	23.2	23.4	23.8	23.4	23.8	23.4	24.4	24.7	24.7	25.0	24.7	24.7		
	16	25.1	24.7	25.0	25.5	25.2	25.0	25.5	25.7	25.7	25.5	25.6	25.3	25.2	25.5	24.4	24.0	24.4	23.7	23.3	23.1	23.3	23.3	23.3	23.7	23.1	23.7	23.8	23.8	23.8	24.5	24.3	24.7	24.6	24.7	24.9	
	17	25.0	24.9	25.1	25.6	25.3	25.0	25.2	25.4	25.2	25.4	25.8	25.4	25.5	25.2	25.3	24.5	24.3	24.3	23.5	23.6	23.2	23.4	23.1	23.1	23.2	23.7	23.4	23.8	24.2	23.9	24.8	24.0	24.8	24.6	24.6	
	18	25.1	25.1	24.6	25.4	25.4	25.4	25.7	25.4	25.3	25.6	25.5	25.9	24.9	25.4	25.1	24.2	24.4	24.3	23.6	23.5	23.3	23.2	23.3	23.3	23.7	23.9	23.8	23.6	24.3	24.6	24.2	25.1	25.2	24.8		
	19	25.0	25.2	25.2	25.7	25.5	25.5	25.7	25.2	25.4	25.4	25.5	25.2	24.9	25.5	24.4	24.3	24.5	23.0	23.4	23.7	23.3	23.5	23.7	23.6	23.7	23.8	23.9	23.9	24.1	24.3	25.2	24.9	25.0			
	20	24.8	24.7	25.0	25.4	25.5	25.7	25.3	25.6	25.6	25.5	25.5	25.2	25.0	25.0	24.8	24.1	24.3	24.2	23.3	23.5	23.5	23.6	23.7	23.4	23.7	23.9	23.9	23.5	24.1	24.3	24.3	25.0	24.7	24.8		
	21	25.0	25.0	24.8	25.2	25.2	25.4	25.5	25.3	25.5	25.9	25.5	25.2	25.5	25.4	24.9	24.1	24.5	24.5	24.0	23.7	23.3	23.4	23.2	23.2	23.4	23.3	23.5	23.6	23.5	24.0	24.5	24.2	24.7	24.5	25.0	
	22	24.9	25.1	25.0	25.4	25.5	25.2	25.4	25.3	25.1	25.1	25.8	25.8	24.9	25.4	25.2	24.3	24.4	24.3	22.9	23.2	23.1	23.5	23.5	23.4	23.5	23.7	23.4	23.8	23.6	24.1	24.4	24.1	24.4	24.8	24.9	
	23	25.0	25.1	25.1	25.3	25.2	25.5	25.7	25.5	25.4	25.4	25.6	25.6	25.4	25.1	25.2	24.8	24.2	24.2	23.0	23.0	23.5	22.9	23.2	23.2	23.8	23.6	23.4	23.8	23.6	24.1	24.6	24.4	24.3	24.8	25.0	25.1
	24	24.8	24.8	25.0	25.2	25.3	25.1	25.6	25.3	25.4	25.5	25.3	25.4	24.8	25.0	25.4	24.6	24.5	24.6	24.6	22.9	23.5	23.2	23.3	23.5	23.7	23.2	23.6	23.6	23.9	24.1	24.3	24.3	24.5	25.0	24.7	24.9
	25	25.1	25.0	25.2	25.2	25.1	25.5	25.4	25.7	25.0	25.4	25.5	25.3	25.3	25.3	24.6	24.1	23.9	23.2	23.3	23.2	23.0	23.6	23.3	23.8	23.4	23.5	23.5	23.9	23.7	23.9	24.4	24.3	24.7	25.0	24.9	24.6
	26	25.0	25.0	25.1	25.5	25.3	25.2	25.4	25.4	25.7	25.6	25.9	25.5	24.8	25.3	25.0	24.1	24.1	24.2	23.6	23.5	23.6	23.4	23.4	23.8	23.3	23.7	23.2	24.1	23.6	24.2	24.1	24.7	24.1	24.7	24.4	25.0
	27	25.3	25.2	25.1	25.4	25.5	25.8	25.9	25.4	25.8	25.4	25.1	25.5	25.1	25.0	25.1	24.7	24.5	24.3	23.3	23.6	23.1	23.2	23.2	23.5	23.3	23.7	23.4	24.2	23.7	23.7	24.5	23.9	24.1	24.7	24.9	25.0
	28	24.9	25.0	24.8	25.7	25.4	25.3	25.1	25.6	25.0	25.8	25.2	25.6	25.3	25.6	25.2	24.2	24.4	24.3	23.3	23.3	23.2	23.5	23.5	23.4	23.4	23.8	23.7	23.7	23.8	24.3	23.6	24.4	23.9	24.1	24.7	24.7
	29	25.1	24.9	25.0	25.5	25.1	25.8	25.9	25.9	25.2	25.6	25.6	25.5	25.0	25.0	25.6	24.																				

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Patricia Pilar	1	23.7	23.6	23.7	24.0	24.3	24.3	24.4	24.8	24.7	24.3	24.7	23.8	24.1	24.4	23.6	23.4	23.1	22.8	22.4	22.0	22.4	22.5	22.5	22.4	22.5	22.2	22.4	22.5	22.2	22.8	23.0	22.7	22.5	23.0		
	2	23.6	23.8	23.8	24.0	24.2	24.4	24.6	24.3	24.5	24.4	24.5	24.3	24.1	24.2	24.3	23.7	23.1	23.4	22.4	22.6	22.4	22.1	22.4	22.1	22.3	22.6	22.1	22.4	22.2	22.3	22.7	22.6	22.7	22.9		
	3	24.0	23.8	24.1	24.4	24.6	24.4	24.3	24.6	24.5	24.6	24.6	24.7	24.1	23.9	24.3	23.3	23.0	23.2	22.3	22.6	22.2	22.3	22.1	22.1	22.5	22.5	22.7	22.8	22.1	22.3	22.8	22.4	23.2	23.0	22.8	
	4	23.6	23.9	23.9	24.8	24.6	24.5	24.5	24.3	24.3	24.2	24.7	24.6	24.2	24.0	24.1	22.9	23.2	23.2	22.8	21.9	22.4	22.7	22.5	22.4	22.3	22.2	22.5	22.7	22.4	22.3	22.6	23.2	22.4	22.5	22.5	
	5	23.7	23.4	23.7	24.3	24.2	24.3	24.7	24.3	24.6	24.9	24.7	24.5	24.5	24.1	24.0	23.2	23.6	23.0	22.1	22.1	22.2	22.4	22.1	22.3	22.4	22.4	22.6	22.4	22.7	22.7	22.8	22.6	22.8	22.8	22.6	22.8
	6	23.7	23.7	23.9	24.0	24.2	24.6	24.4	24.2	24.1	24.6	24.7	24.3	24.0	24.2	24.1	23.3	23.0	23.4	21.9	22.3	22.5	22.2	22.4	22.6	22.6	22.3	22.6	22.8	22.3	22.4	22.5	22.9	22.8	23.0	22.7	
	7	23.5	23.4	23.8	24.8	24.1	24.5	24.7	24.8	24.1	24.2	24.6	24.4	23.9	24.2	24.4	23.3	23.5	23.2	22.4	22.0	22.0	22.6	22.3	22.2	22.7	22.5	22.2	22.9	22.5	22.6	22.2	22.7	22.3	22.6	23.0	22.8
	8	23.8	23.7	23.6	24.3	24.4	24.1	24.1	24.3	24.3	24.1	24.5	24.8	24.2	24.2	24.2	23.1	23.3	23.3	22.6	22.3	22.4	22.5	22.2	22.0	22.6	22.9	22.7	22.4	22.0	22.5	22.1	22.8	22.2	22.9	23.0	22.9
	9	23.8	23.5	23.7	24.6	24.4	24.3	24.8	24.1	24.5	24.2	24.5	24.4	24.2	24.0	24.3	23.0	23.0	23.4	22.3	21.9	22.0	22.5	22.4	22.6	22.3	22.3	22.1	22.6	22.6	22.1	22.4	22.7	23.1	22.7		
	10	23.7	23.8	23.8	24.1	24.4	24.5	24.6	24.4	24.2	24.7	24.5	24.2	24.1	24.0	24.5	23.5	23.4	23.2	22.4	22.5	22.1	22.7	22.2	22.2	22.6	22.8	22.2	22.4	22.8	22.6	22.2	22.4	22.5	22.8	22.9	22.9
	11	23.5	24.0	23.8	24.5	24.3	24.4	24.4	24.5	24.6	24.7	24.7	24.0	23.9	23.9	24.1	23.5	23.7	23.1	22.3	22.5	22.1	22.4	22.4	22.3	22.3	22.7	22.5	22.2	22.8	22.3	22.4	22.7	22.2	22.9	22.8	22.8
	12	23.6	23.7	23.7	24.1	24.0	24.0	24.6	24.2	24.8	24.6	24.7	24.6	24.4	24.0	24.2	23.0	23.1	23.4	22.5	22.3	22.8	22.3	22.3	22.3	22.3	22.4	22.2	22.0	22.4	22.5	22.5	22.8	23.0	23.2	22.9	
	13	23.6	23.5	23.7	24.1	24.8	24.5	24.2	24.7	24.1	24.5	24.7	24.5	24.0	24.0	24.0	23.1	23.7	23.4	22.0	22.4	22.4	22.4	22.2	22.6	22.3	22.4	22.7	22.7	22.5	22.3	22.4	22.6	23.0	22.9		
	14	23.8	23.9	23.7	24.2	24.3	24.3	24.4	24.1	24.5	24.9	24.3	24.8	24.4	23.9	23.8	24.3	23.4	23.4	23.5	22.6	22.7	22.0	22.0	22.5	22.8	22.4	22.5	22.1	22.4	22.9	22.6	22.2	22.6	22.8	22.8	23.2
	15	23.7	23.6	23.4	24.1	24.5	24.2	24.4	24.5	24.6	24.8	24.4	24.8	24.2	24.4	23.9	23.0	23.2	23.1	22.5	21.9	22.0	22.7	22.3	22.2	22.9	22.3	22.4	22.9	23.0	22.5	22.7	22.8	22.6	23.1	22.6	22.9
	16	23.4	23.4	23.8	24.1	24.5	24.5	24.4	24.3	24.4	24.6	24.6	24.3	24.0	24.3	24.2	23.3	23.6	23.4	22.4	22.8	22.1	22.1	22.6	22.1	22.7	22.4	22.6	22.5	22.6	22.4	22.5	22.8	22.3	22.7	23.0	23.1
	17	23.2	23.9	23.5	24.6	24.2	24.3	24.1	24.4	24.5	24.2	24.4	24.2	24.1	24.0	24.0	23.6	23.0	23.3	22.6	22.5	22.3	22.5	22.1	22.3	22.5	22.7	22.9	22.4	22.4	22.5	22.9	22.4	22.8	23.0	23.1	
	18	23.6	23.7	23.8	24.3	24.7	24.7	24.6	24.2	24.7	24.6	24.5	24.8	23.9	24.3	24.2	23.0	23.4	23.4	22.2	22.7	22.3	22.2	22.1	22.4	22.9	22.7	22.5	22.4	22.4	22.2	22.3	22.9	23.1	22.6		
	19	23.8	24.0	23.6	24.4	24.4	24.2	24.1	24.7	24.2	24.1	24.7	24.3	24.1	24.0	24.1	23.2	23.5	23.3	22.2	22.0	22.1	22.2	22.5	22.0	22.8	22.3	22.7	22.7	22.2	22.6	22.4	22.5	23.3	22.7	22.5	
	20	23.5	23.3	23.5	24.3	24.7	24.5	24.6	24.8	24.5	24.6	24.5	24.6	23.9	23.8	24.1	23.4	23.3	23.1	22.4	22.4	22.5	22.1	22.5	22.4	22.4	22.5	22.5	22.4	22.4	22.8	22.2	22.9	22.7	23.0		
	21	23.5	23.9	23.7	24.6	24.5	24.0	24.6	24.5	24.8	24.7	24.4	24.3	24.6	24.5	24.3	23.4	23.6	23.5	22.1	22.4	22.4	22.7	22.6	22.3	22.5	22.5	22.2	22.7	22.5	22.1	22.4	22.7	22.5	22.9	22.9	
	22	23.5	23.4	24.0	24.3	24.5	24.4	24.9	24.6	24.4	24.9	24.7	24.7	24.5	24.2	24.4	23.5	23.0	23.5	22.3	22.3	22.2	22.0	22.4	22.6	22.3	22.2	22.6	22.7	22.5	22.1	22.3	22.8	22.5	22.6	23.0	
	23	23.6	23.6	23.6	24.0	24.0	24.7	24.2	24.4	24.9	24.6	24.2	24.6	24.0	24.4	24.2	22.9	23.5	23.2	22.1	22.4	22.5	22.2	22.3	22.2	22.2	22.6	22.8	22.3	22.5	22.7	22.6	22.7	22.6	22.9	22.8	23.0
	24	23.8	23.6	23.5	24.4	24.3	24.6	24.1	24.4	24.5	24.6	24.4	24.3	24.1	24.1	24.4	23.7	23.5	23.8	22.3	22.1	22.5	22.2	22.7	22.8	22.6	22.8	22.8	22.3	22.5	22.6	22.6	22.7	22.1	22.8	22.9	23.0
	25	23.9	23.3	23.4	24.1	24.3	24.2	24.6	24.7	24.4	24.5	24.5	24.2	24.2	24.5	24.5	23.5	23.5	23.1	22.2	22.0	22.3	22.2	22.3	22.5	22.4	22.6	22.0	22.7	22.3	22.7	22.4	22.8	22.2	23.1	22.6	23.1
	26	23.7	23.4	23.7	24.5	24.4	24.3	24.5	24.8	24.6	24.2	25.0	24.4	24.0	24.0	23.9	23.0	23.1	23.2	22.3	22.1	22.2	22.6	22.4	22.2	22.7	22.4	22.5	22.6	22.4	22.5	22.2	22.4	22.6	22.8	22.5	22.5
	27	23.3	23.6	23.9	24.3	24.3	24.4	24.8	24.5	24.3	24.4	24.5	24.0	24.0	23.9	23.3	23.4	23.2	22.3	22.5	22.4	22.2	22.2	22.4	22.1	22.2	22.8	22.9	22.5	22.4	22.8	22.6	22.7	22.7	22.6	22.7	
	28	23.6	23.6	23.5	24.0	24.7	24.4	24.6	24.6	24.9	24.6	24.5	24.7	24.1	24.3	24.5	23.3	23.1	23.5	22.4	22.2	22.5	22.2	22.3	22.7	22.7	22.5	22.9	22.4	22.4	22.7	22.6	22.8	22.0	22.7	22.9	22.9
	29	23.8	23.5	23.7	24.3	24.6	24.6	24.3	24.2	24.4	24.5	24.5	24.4	24.																							

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Vinces	1	25.1	25.3	25.6	25.6	25.7	25.6	26.0	26.1	26.1	26.3	26.0	26.2	25.9	25.6	25.6	24.3	24.5	24.3	23.4	23.5	23.4	23.4	23.4	23.9	23.8	23.9	24.4	24.4	24.2	24.4	24.4	24.6	25.1	25.2	25.1	
	2	25.3	25.2	25.3	25.6	25.8	25.8	26.0	26.2	26.1	26.1	26.2	26.0	25.7	25.6	25.4	24.1	24.3	24.5	23.3	23.4	23.2	23.3	23.4	23.5	24.0	23.9	24.0	24.4	24.2	24.2	24.5	24.4	25.2	25.2	25.2	
	3	25.4	25.4	25.3	25.7	25.5	25.5	26.0	26.0	26.0	26.3	26.3	26.3	25.5	25.7	25.5	24.6	24.4	24.5	23.5	23.2	23.4	23.7	23.4	23.3	23.8	23.7	23.8	24.3	24.3	24.4	24.4	24.5	25.2	25.0	25.0	
	4	25.0	25.1	25.4	25.6	25.8	25.7	26.0	26.0	26.1	26.1	26.0	25.9	25.4	25.8	25.6	24.3	24.3	24.3	23.5	23.4	23.4	23.2	23.2	24.0	24.1	23.8	24.4	24.1	24.2	24.5	24.3	24.3	25.2	25.1	25.0	
	5	25.4	25.2	25.4	25.8	25.6	25.8	26.0	26.1	26.1	26.2	26.1	26.3	25.6	25.5	25.5	24.5	24.3	24.4	23.4	23.5	23.4	23.4	23.4	23.8	24.1	23.9	24.3	24.2	24.4	24.5	24.6	25.3	25.2	25.3		
	6	25.1	25.2	25.5	25.8	25.4	25.6	26.0	26.1	26.0	26.1	26.1	26.1	25.5	25.6	25.6	24.5	24.3	24.5	23.3	23.5	23.4	23.4	23.4	23.4	23.7	23.8	24.1	24.3	24.1	24.4	24.5	24.5	25.1	25.3	25.2	
	7	25.3	25.3	25.1	25.5	25.7	25.6	25.9	25.9	26.0	26.0	25.9	25.9	25.6	25.6	25.4	24.3	24.4	24.3	23.3	23.6	23.6	23.4	23.3	23.6	23.9	24.1	23.9	24.4	24.2	24.3	24.3	24.4	24.3	25.0	25.1	25.1
	8	25.4	25.4	25.3	25.7	25.7	25.5	25.9	26.0	25.8	26.1	26.1	26.2	25.7	25.6	25.7	24.3	24.4	24.2	23.3	23.5	23.3	23.4	23.5	23.8	24.0	23.9	24.3	24.2	24.3	24.3	24.4	24.5	25.0	25.1	25.2	
	9	25.2	25.4	25.3	25.6	25.7	25.5	26.1	26.0	26.0	26.4	25.8	26.4	25.6	25.6	25.7	24.4	24.4	24.5	23.4	23.2	23.5	23.1	23.2	23.5	23.7	23.6	23.8	24.3	24.1	24.4	24.6	24.4	25.1	25.3	25.1	
	10	25.1	25.1	25.6	25.5	25.6	25.7	25.9	26.1	26.0	26.1	26.1	26.2	25.7	25.7	25.5	24.4	24.5	24.5	23.5	23.5	23.5	23.3	23.6	23.8	23.9	23.9	24.2	24.4	24.4	24.5	24.4	25.2	25.3	25.2		
	11	25.2	25.2	25.5	25.6	25.8	25.6	26.2	25.8	26.1	26.0	26.3	26.0	25.8	25.7	25.8	24.4	24.1	24.6	23.5	23.4	23.4	23.5	23.5	23.2	23.9	23.7	23.8	24.4	24.3	24.6	24.4	24.5	24.9	25.2	25.0	
	12	25.2	25.2	25.3	25.7	25.5	25.7	26.1	26.0	26.1	26.2	26.0	26.1	25.6	25.8	25.7	24.5	24.5	24.1	23.4	23.6	23.5	23.3	23.4	23.1	23.9	24.1	24.0	24.2	24.2	24.4	24.5	24.3	24.4	25.0	24.9	25.1
	13	25.3	25.3	25.4	25.6	25.6	25.5	25.9	26.1	25.8	26.0	26.1	26.0	25.6	25.6	25.7	24.4	24.6	24.4	23.3	23.4	23.4	23.5	23.6	24.0	23.9	23.9	24.3	24.3	24.1	24.5	24.4	25.2	25.3	25.1		
	14	25.5	25.3	25.4	25.5	25.7	25.7	26.0	25.9	26.1	26.1	26.1	26.3	25.6	25.5	25.6	24.5	24.3	24.3	23.5	23.4	23.5	23.2	23.3	23.6	23.8	23.7	24.4	24.1	24.2	24.5	24.4	25.2	25.1	25.3		
	15	25.2	25.4	25.5	25.5	25.8	25.7	26.1	26.1	26.2	26.1	26.2	26.1	25.7	25.4	25.5	24.4	24.4	24.4	23.5	23.4	23.5	23.4	23.3	23.4	24.0	23.9	23.9	24.3	24.2	24.2	24.3	24.6	24.4	25.1	25.2	25.2
	16	25.5	25.3	25.3	25.5	25.8	25.8	26.2	25.9	26.0	26.1	26.2	26.0	25.8	25.6	25.7	24.3	24.5	24.4	23.3	23.2	23.5	23.4	23.3	23.3	23.8	23.9	23.8	24.2	24.1	24.2	24.4	24.5	24.2	25.0	25.1	25.0
	17	25.3	25.4	25.6	25.6	25.6	25.6	26.0	25.9	26.2	26.2	26.0	26.0	25.7	25.9	25.7	24.5	24.4	24.4	23.4	23.5	23.5	23.4	23.4	23.3	23.8	24.0	24.0	23.8	24.2	24.4	24.5	24.5	24.4	25.1	25.2	25.2
	18	25.2	25.2	25.2	25.5	25.6	25.6	26.0	26.0	26.1	26.1	26.2	26.2	25.6	25.5	25.6	24.5	24.5	24.2	24.3	24.3	23.4	23.5	23.6	23.4	23.4	23.4	23.9	23.9	23.8	24.3	24.3	24.4	24.4	25.0	25.1	25.2
	19	25.4	25.4	25.5	25.6	25.6	25.5	25.9	26.2	26.1	26.1	26.1	26.2	25.8	25.6	25.6	24.2	24.2	24.5	23.4	23.5	23.3	23.5	23.5	23.8	23.8	23.8	24.0	24.2	24.3	24.1	24.6	24.7	24.5	25.0	25.2	25.1
	20	25.6	25.2	25.3	25.7	25.7	26.0	25.9	26.1	26.1	26.1	26.0	25.7	25.5	25.6	24.4	24.3	24.3	23.5	23.4	23.3	23.5	23.3	23.3	23.9	23.6	23.8	24.2	24.5	24.5	24.3	24.4	24.5	25.1	25.3	25.1	
	21	25.3	25.4	25.3	25.6	25.4	25.5	26.1	26.0	26.0	26.0	26.2	26.3	25.7	25.8	25.6	24.6	24.2	24.5	23.4	23.5	23.1	23.3	23.5	23.3	23.8	23.9	23.8	24.2	24.4	24.5	24.6	24.5	24.3	25.2	25.1	25.1
	22	25.1	25.4	25.3	25.7	25.7	25.1	26.1	25.9	26.2	26.1	26.1	25.5	25.6	25.7	24.3	24.4	24.4	24.6	23.2	23.5	23.4	23.5	23.5	23.8	23.9	23.9	24.5	24.2	24.1	24.5	24.4	24.4	25.1	25.2	25.0	
	23	25.3	25.2	25.3	25.6	25.6	25.9	25.8	26.0	26.0	26.0	26.3	25.9	25.7	25.7	25.8	24.3	24.4	24.2	23.5	23.5	23.4	23.3	23.3	24.0	24.0	24.0	24.5	24.2	24.3	24.5	24.2	24.5	25.0	25.2	25.3	
	24	25.2	25.3	25.4	25.6	25.6	25.6	26.2	26.1	26.0	26.3	26.1	26.0	25.8	25.6	25.5	24.4	24.2	24.3	23.4	23.4	23.4	23.2	23.4	23.4	23.9	24.0	24.0	24.5	24.4	24.2	24.7	24.5	24.6	25.1	25.0	25.2
	25	25.2	25.3	25.1	25.5	25.5	25.7	25.5	26.0	26.2	26.2	26.1	26.2	25.5	25.6	25.6	24.4	24.5	24.3	23.3	23.3	23.4	23.4	23.4	23.2	23.8	24.0	23.9	24.2	24.3	24.4	24.3	24.6	24.5	25.1	25.2	25.2
	26	25.4	25.3	25.4	25.7	25.4	25.6	26.4	26.1	26.2	26.0	26.1	26.3	25.6	25.5	25.6	24.3	24.3	24.5	23.3	23.5	23.6	23.4	23.5	23.5	23.9	23.7	23.8	24.2	24.4	24.3	24.6	24.4	24.4	25.2	25.2	25.1
	27	25.4	25.4	25.3	25.6	25.8	25.6	25.8	26.0	25.9	26.3	26.1	26.1	25.5	25.5	25.4	24.3	24.4	24.4	23.4	23.5	23.5	23.6	23.5	23.9	23.8	23.9	24.2	24.3	24.3	24.5	24.5	24.4	25.2	25.1	25.2	
	28	25.1	25.4	25.4	25.7	25.7	25.6	25.6	26.0	26.0	25.9	26.2	26.1	26.1	25.5	25.6	25.6	24.4	24.4	24.4	23.5	23.5	23.5	23.4	23.2	23.4	23.9	23.9	23.8	24.1	24.0	24.4	24.5	24.5	25.1	25.3	25.1
	29	25.4	25.1	25.2	25.8	25.6	25.4	26.0	25.9	26.0	26.1	26.1	26.1</																								

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Palenque	1	25.2	25.4	25.4	25.7	25.6	26.1	26.0	26.4	26.3	26.7	26.5	26.4	26.0	25.5	25.8	24.7	24.8	24.4	23.9	24.0	24.3	24.4	24.0	24.7	24.9	24.4	25.0	24.8	24.9	24.9	25.1	25.0	25.5	25.2	25.1		
	2	25.5	25.8	25.3	25.9	25.9	25.9	26.2	26.3	26.3	26.4	26.3	26.3	25.9	25.8	25.6	24.7	24.5	24.5	23.7	24.0	23.8	24.2	24.3	24.2	24.8	24.6	24.4	24.7	24.9	25.2	25.0	25.0	24.8	25.3	25.2	25.4	25.2
	3	25.6	25.7	25.4	26.0	26.0	25.7	26.1	26.5	26.2	26.6	26.5	26.6	25.9	25.9	25.8	24.5	24.5	24.5	23.9	23.6	23.7	24.4	24.2	24.4	24.7	24.7	24.4	24.9	25.0	25.1	25.1	24.9	25.1	25.4	25.2	25.5	
	4	25.3	25.5	25.8	25.6	25.9	26.0	26.4	26.4	26.2	26.4	26.2	26.2	25.6	25.8	25.6	24.5	24.3	24.2	23.8	24.1	24.0	24.5	24.0	23.9	24.5	24.7	24.3	24.8	24.9	24.6	25.2	24.7	25.2	25.1	25.3	25.4	
	5	25.5	25.4	25.4	26.1	26.1	25.9	26.2	26.4	26.2	26.3	26.2	26.7	25.8	26.0	25.9	24.4	24.3	24.6	23.7	24.0	23.9	24.2	24.0	24.1	24.6	24.7	24.6	24.6	24.8	24.8	24.7	24.8	25.3	25.2	25.1	25.4	
	6	25.4	25.4	25.5	25.8	25.9	25.8	26.3	26.3	26.3	26.5	26.5	26.7	25.5	25.6	25.6	24.5	24.8	24.4	23.9	24.0	24.0	24.0	24.4	24.8	24.6	24.4	24.8	24.9	25.1	24.7	25.0	24.6	25.3	25.4	25.3		
	7	25.5	25.6	25.1	25.8	26.1	26.0	26.5	26.4	26.0	26.6	26.4	26.2	26.1	25.8	25.6	24.3	24.5	24.3	23.6	23.9	24.2	24.2	24.1	24.4	24.7	24.9	24.9	25.0	24.9	25.0	24.7	24.7	25.3	25.0	25.5	25.1	
	8	25.5	25.6	25.2	25.8	26.1	26.0	26.0	26.2	26.1	26.5	26.4	26.4	26.0	25.9	25.7	24.6	24.5	24.4	23.7	23.9	24.1	24.5	24.0	24.2	24.5	24.8	24.5	25.2	24.6	25.0	24.8	25.2	25.0	25.3	25.1		
	9	25.6	25.4	25.3	25.9	25.7	25.9	26.4	26.3	26.0	26.7	26.1	26.5	25.5	25.6	25.6	24.6	24.4	24.6	23.9	23.7	23.7	24.1	24.1	24.0	24.7	24.8	24.9	24.7	25.0	25.2	24.6	24.9	25.0	25.1	25.2	25.2	
	10	25.4	25.4	25.4	25.8	26.0	25.9	26.1	26.3	26.5	26.5	26.6	26.5	26.1	25.6	25.5	24.5	24.6	24.6	24.6	23.9	23.6	23.9	24.1	24.4	24.1	24.6	24.8	24.9	24.9	25.1	24.9	24.7	25.1	25.0	25.2	25.6	25.2
	11	25.5	25.3	25.5	25.8	25.9	25.6	26.3	26.2	26.0	26.3	26.4	26.8	25.7	25.9	25.7	24.2	24.6	24.4	24.0	24.0	23.9	24.0	24.2	24.6	24.5	24.6	24.6	25.0	25.3	24.9	25.0	25.1	25.3	25.4	25.5		
	12	25.3	25.6	25.3	25.9	25.9	25.6	26.4	26.4	26.1	26.7	26.4	26.5	26.0	26.1	25.7	24.6	24.6	24.6	23.9	24.0	24.1	24.4	24.3	24.2	24.8	24.8	24.7	25.0	24.9	25.0	25.3	25.1	25.2	25.0	25.2	25.4	
	13	25.4	25.6	25.4	25.8	26.0	25.6	26.2	26.4	26.1	26.3	26.5	26.1	25.7	25.9	25.6	24.2	24.4	24.4	23.7	23.7	23.8	24.2	24.4	24.1	24.5	24.4	24.6	25.0	24.7	25.0	24.8	24.7	24.7	25.4	25.1		
	14	25.5	25.5	25.3	25.8	25.9	25.9	26.4	26.0	26.3	26.6	26.1	26.7	25.8	25.9	26.1	24.7	24.4	24.3	23.9	24.0	23.8	24.2	24.2	24.3	24.6	24.9	24.8	24.7	24.9	24.8	25.0	25.4	25.0	25.2	25.2		
	15	25.4	25.6	25.5	25.9	25.9	25.9	26.3	26.3	26.5	26.2	26.2	26.4	25.8	25.7	25.7	24.2	24.6	24.5	23.8	23.8	23.9	24.1	24.2	24.3	24.7	24.9	24.8	24.8	24.6	25.1	24.7	24.8	25.0	25.3	25.5	25.4	
	16	25.4	25.6	25.8	26.1	26.0	25.7	26.6	26.6	26.3	26.6	26.7	26.4	26.0	25.5	25.6	24.5	24.4	24.6	24.6	24.1	23.8	23.8	24.3	24.1	24.0	25.0	24.9	24.7	25.1	24.8	25.1	24.9	24.9	25.1	24.9	25.1	
	17	25.3	25.7	25.6	25.7	25.5	25.5	26.5	26.6	26.5	26.4	26.5	26.0	26.1	25.6	24.7	24.5	24.7	24.0	24.0	23.8	23.9	24.3	24.5	24.8	24.4	24.6	24.7	25.1	25.0	25.0	24.7	24.8	25.2	25.4	25.3		
	18	25.2	25.5	25.2	25.8	26.1	25.5	26.2	26.1	26.4	26.3	26.4	26.5	25.9	26.0	25.8	24.7	24.4	24.7	24.3	23.9	24.0	24.4	24.1	24.5	24.5	24.8	24.6	25.0	25.0	25.0	24.9	25.0	25.1	25.4	25.3		
	19	25.8	25.5	25.8	26.1	25.9	25.8	26.0	26.2	26.3	26.5	26.2	26.3	26.0	25.5	25.8	24.4	24.7	24.5	23.8	24.0	24.1	24.2	24.4	24.5	24.7	24.9	25.1	24.8	24.9	24.7	24.8	25.2	25.0	25.4	25.2	25.1	
	20	25.5	25.3	25.6	25.7	26.0	25.8	26.3	26.3	26.3	26.4	26.2	26.5	25.8	25.6	25.9	24.3	24.5	24.6	24.2	23.9	23.9	24.0	24.2	24.1	25.0	24.6	24.9	24.8	24.8	25.1	25.1	24.8	25.6	25.3	25.4		
	21	25.5	25.6	25.5	26.0	25.7	25.9	26.4	26.1	26.3	26.1	26.7	26.6	25.6	25.8	25.8	24.4	24.4	24.5	24.5	23.9	23.8	23.9	24.4	24.3	24.1	24.9	24.8	24.7	24.9	25.2	25.1	24.9	24.7	24.9	25.5	25.6	25.1
	22	25.3	25.7	25.8	25.9	25.8	25.7	26.3	26.0	26.5	26.5	26.7	26.7	25.7	25.8	25.5	24.4	24.8	24.7	23.8	24.2	24.0	24.6	24.5	24.5	24.6	24.8	24.7	25.1	24.7	25.0	24.7	25.0	25.1	25.2	25.4		
	23	25.6	25.5	25.4	25.8	25.6	25.9	26.0	26.0	26.2	26.5	26.6	26.4	25.6	25.8	26.0	24.5	24.4	24.5	23.7	23.6	24.2	23.9	24.3	24.3	24.4	24.9	24.5	25.2	25.1	24.8	25.1	25.1	25.0	25.4	25.1	25.2	
	24	25.1	25.4	25.5	25.9	25.7	25.6	26.3	26.4	26.3	26.4	26.2	26.4	25.8	25.9	26.1	24.8	24.6	24.6	24.8	23.8	23.7	23.9	24.1	24.3	24.6	24.7	24.7	24.6	25.1	25.0	25.0	25.1	25.2	24.9	25.0	25.3	
	25	25.7	25.5	25.5	25.4	25.4	25.6	26.2	26.1	26.4	26.5	26.6	26.7	25.6	25.8	25.9	24.2	24.5	24.5	24.5	23.9	24.0	24.3	24.2	24.3	24.3	24.6	25.0	24.6	25.0	24.8	25.1	24.9	25.1	24.8	25.2	25.2	
	26	25.6	25.6	25.7	25.9	26.0	26.1	26.5	26.3	26.5	26.5	26.2	26.3	25.7	26.0	26.0	24.4	24.7	24.7	24.2	24.1	23.8	24.3	24.6	24.3	24.5	24.5	24.8	24.5	24.6	24.6	24.6	25.0	24.9	24.8	25.5	25.2	25.4
	27	25.6	25.8	25.6	25.6	26.0	25.5	26.1	26.2	26.6	26.5	26.7	26.4	25.8	25.9	25.8	24.5	24.7	24.7	24.7	24.2	24.2	24.4	24.2	24.4	24.5	24.7	24.7	24.5	24.9	24.9	24.7	24.7	25.0	25.2	25.2		
	28	25.4	25.1	25.7	25.9	25.9	25.9	26.4	26.6	26.1	26.5	26.4	26.5	25.8	25.9	25.8	24.5	24.7	24.7	24.7	24.2	24.2	23.8	24.1	24.2	24.1	24.5	24.5	24.9	24.4	24.9	24.9	24.9	25.0	25.1	25.0	25.3	25.2</

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Ventanas	1	25.2	25.1	25.3	25.6	25.6	25.7	25.8	25.9	25.9	26.3	26.0	25.8	25.6	25.3	25.6	24.2	24.5	24.2	23.5	23.6	23.6	23.4	23.6	23.5	23.8	24.0	23.8	24.2	24.0	24.2	24.6	24.8	24.6	25.1	25.1	24.8	
	2	25.3	25.5	25.1	25.6	25.6	25.4	25.8	25.7	25.8	25.9	25.9	25.8	25.6	25.7	25.3	24.3	24.3	24.4	23.4	23.4	23.4	23.5	23.5	23.4	23.7	23.8	23.7	24.1	24.1	24.4	24.6	24.4	24.7	25.1	25.0	25.1	
	3	25.5	25.3	25.1	25.5	25.5	25.6	25.7	26.0	25.7	25.9	26.0	25.8	25.3	25.5	25.4	24.5	24.3	24.3	23.3	23.5	23.6	23.7	23.7	23.7	24.0	23.8	23.8	24.2	24.2	24.4	24.7	24.6	24.5	24.9	24.9	24.9	
	4	25.1	25.3	25.4	25.3	25.6	25.7	25.9	26.1	25.7	25.7	25.6	26.0	25.3	25.4	25.4	24.3	24.2	24.4	23.6	23.5	23.4	23.6	23.5	23.4	23.8	23.8	23.8	24.1	24.2	24.2	24.4	24.6	24.8	24.9	24.9	24.9	
	5	25.4	25.0	25.0	25.9	25.6	25.7	25.6	26.0	26.0	25.7	25.9	26.2	25.5	25.5	25.3	24.4	24.1	24.3	23.2	23.4	23.5	23.5	23.9	23.8	23.7	24.2	24.1	24.0	24.5	24.5	24.5	25.1	24.8	25.3			
	6	25.4	25.2	25.1	25.7	25.5	25.6	25.8	25.7	25.7	25.8	26.0	26.0	25.6	25.3	25.2	24.3	24.5	24.5	23.5	23.5	23.6	23.6	24.0	23.8	23.8	24.0	24.4	24.3	24.4	24.4	24.3	24.9	25.0	24.9			
	7	25.4	25.3	25.1	25.4	25.9	25.5	25.6	25.8	25.8	25.9	25.9	25.9	25.4	25.6	25.5	24.3	24.3	24.2	23.5	23.6	23.6	23.5	23.6	23.6	24.0	23.9	23.8	24.5	24.0	24.2	24.4	24.4	24.5	25.1	25.0	25.0	
	8	25.4	25.3	24.9	25.5	25.5	25.6	25.6	26.0	25.8	25.8	26.0	25.9	25.5	25.3	25.4	24.4	24.3	24.2	23.4	23.7	23.5	23.5	23.7	23.7	23.9	24.0	23.8	24.3	24.0	24.1	24.5	24.6	24.5	24.9	25.0	25.0	
	9	25.2	25.2	25.1	25.5	25.4	25.6	25.8	25.9	25.5	25.9	25.7	26.0	25.5	25.4	25.5	24.4	24.4	24.3	23.5	23.4	23.4	23.6	23.5	23.5	24.0	23.9	24.0	24.2	24.0	24.4	24.3	24.5	24.5	24.7	25.0	24.9	
	10	25.1	25.3	25.0	25.5	25.4	25.6	26.0	25.6	26.0	25.9	26.0	26.0	25.5	25.6	25.4	24.2	24.4	24.4	23.5	23.3	23.4	23.5	23.7	23.7	23.9	24.0	24.1	24.1	24.4	24.4	24.2	24.6	24.5	25.0	25.2	24.9	
	11	25.2	25.0	25.5	25.4	25.5	25.5	25.8	25.8	26.0	26.0	25.9	26.0	25.5	25.5	25.4	24.3	24.3	24.6	23.5	23.5	23.5	23.5	23.6	23.5	23.7	23.7	23.7	23.9	24.1	24.1	24.4	24.2	24.7	24.6	24.8	24.8	25.1
	12	25.3	25.3	25.0	25.7	25.8	25.6	25.9	25.8	25.7	26.0	25.9	25.7	25.4	25.6	25.4	24.6	24.4	24.2	23.5	23.7	23.6	23.7	23.5	23.6	24.0	23.9	23.8	24.2	24.3	24.1	24.6	24.5	24.4	24.6	24.8	25.2	
	13	25.3	25.2	25.2	25.7	25.5	25.5	25.9	25.7	25.6	25.8	26.0	25.7	25.4	25.4	25.4	24.2	24.4	24.3	23.5	23.4	23.4	23.5	23.7	23.9	23.8	23.8	24.3	24.2	24.4	24.3	24.3	24.3	25.1	24.9	24.8		
	14	25.2	25.0	25.0	25.1	25.5	25.6	25.7	26.0	25.7	25.9	25.8	25.9	25.9	25.2	25.5	25.6	24.5	24.2	24.2	23.5	23.5	23.3	23.4	23.6	23.6	23.8	24.0	24.1	24.3	24.1	24.2	24.4	24.5	24.6	24.9	25.0	25.0
	15	25.0	25.3	25.1	25.8	25.7	25.6	25.7	25.8	25.9	25.7	25.9	25.8	25.7	25.2	25.6	24.3	24.5	24.2	23.7	23.4	23.6	23.5	23.5	23.5	23.9	23.9	24.1	23.9	24.1	24.0	24.4	24.7	24.6	25.0	24.9	24.9	
	16	25.3	25.1	25.3	25.7	25.6	25.4	25.9	26.0	25.9	25.9	26.1	25.9	25.6	25.4	25.6	24.4	24.2	24.5	23.7	23.4	23.3	23.5	23.5	23.5	24.0	23.7	24.0	24.2	24.1	24.2	24.5	24.7	24.8	24.9	24.9		
	17	25.1	25.2	25.4	25.7	25.5	25.3	25.7	25.8	25.8	25.9	26.0	25.8	25.7	25.6	25.5	24.5	24.4	24.4	23.5	23.7	23.4	23.5	23.5	23.4	23.7	24.0	23.8	24.1	24.4	24.3	24.3	24.7	24.3	25.0	24.9	24.9	
	18	25.2	25.3	24.9	25.6	25.6	25.5	25.9	25.7	25.7	25.9	25.9	26.1	25.3	25.6	25.4	24.4	24.4	24.4	23.7	23.6	23.5	23.6	23.5	23.6	23.7	24.0	24.1	24.2	24.1	24.5	24.6	25.1	25.2	24.9			
	19	25.3	25.4	25.4	25.8	25.6	25.6	25.7	26.0	25.6	25.8	25.8	25.9	25.6	25.2	25.6	24.4	24.4	24.5	23.3	23.6	23.7	23.7	23.6	23.8	24.0	24.1	24.1	24.1	24.3	24.5	24.5	25.2	25.0	25.0			
	20	25.1	25.0	25.3	25.6	25.6	25.7	25.7	25.8	25.9	25.9	25.6	26.0	25.4	25.3	25.3	24.2	24.3	24.3	23.6	23.5	23.5	23.7	23.7	23.6	24.1	24.0	23.9	24.2	24.3	24.0	24.4	24.5	24.4	25.2	25.0	25.0	
	21	25.2	25.3	25.1	25.5	25.5	25.6	25.8	25.8	26.0	26.0	25.8	25.5	25.6	25.3	24.3	24.4	24.2	23.7	23.5	23.4	23.5	23.5	23.8	23.8	23.9	24.0	24.1	24.4	24.6	24.6	24.8	25.0	25.0	25.0			
	22	25.1	25.4	25.3	25.6	25.6	25.7	25.5	25.8	25.7	25.7	26.1	26.1	25.3	25.5	25.4	24.3	24.5	24.5	23.2	23.5	23.4	23.8	23.7	23.6	23.9	24.0	23.9	24.3	24.0	24.3	24.4	24.5	24.4	24.9	25.0	25.0	
	23	25.2	25.3	25.3	25.5	25.4	25.7	25.8	25.7	25.8	26.0	25.9	25.5	25.4	25.5	24.5	24.6	24.3	24.3	23.3	23.2	23.6	23.4	23.5	24.0	24.0	23.8	24.3	24.1	24.6	24.5	24.5	25.0	25.1	25.1			
	24	25.0	25.0	25.2	25.5	25.5	25.4	26.0	25.7	25.8	25.9	25.7	25.8	25.3	25.4	25.6	24.6	24.6	24.5	24.6	24.6	23.2	23.5	23.4	23.7	23.8	23.7	23.9	23.9	24.3	24.4	24.3	24.5	24.6	24.6	25.0	24.8	25.0
	25	25.3	25.2	25.3	25.4	25.4	25.3	25.8	25.8	25.9	25.7	25.9	26.0	25.4	25.5	25.5	24.5	24.3	24.1	23.4	23.5	23.4	23.7	23.5	24.0	23.9	23.8	24.3	24.1	24.3	24.5	24.5	24.7	25.0	24.9	24.9		
	26	25.3	25.3	25.3	25.6	25.5	25.9	25.8	26.1	26.0	26.0	25.9	25.2	25.5	25.4	24.2	24.3	24.3	24.3	23.6	23.5	23.6	23.7	23.7	23.8	23.7	24.0	23.6	24.2	24.0	24.3	24.4	24.7	24.3	25.0	24.7	25.1	
	27	25.5	25.4	25.3	25.5	25.7	25.7	26.0	25.8	26.0	25.9	25.8	25.9	25.4	25.3	25.4	24.5	24.5	24.4	23.5	23.7	23.3	23.5	23.5	23.7	23.7	23.9	24.0	23.8	24.3	24.1	24.6	24.3	24.4	24.4	24.9	25.0	25.0
	28	25.1	25.1	25.2	25.8	25.6	25.5	25.6	26.0	25.5	26.1	25.7	25.9	25.5	25.7	25.6	24.2	24.3	24.4	23.5	23.4	23.4	23.6	23.6	23.6	23.6	24.0	24.0	23.9	24.1	24.4	24.0	24.6	24.3	24.4	24.4	24.9	24.9
	29	25.3	25.1</																																			

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Urdaneta	1	25.1	25.2	25.6	25.5	25.6	25.5	25.8	25.9	25.9	26.2	26.0	26.1	25.8	25.5	25.5	23.9	24.2	24.1	23.0	23.3	23.1	22.9	22.9	23.1	23.5	23.5	23.6	24.0	24.1	23.9	23.9	24.0	24.1	24.7	24.7	24.7	
	2	25.2	25.1	25.2	25.6	25.7	25.7	25.9	26.0	26.0	25.9	25.9	25.8	25.7	25.6	25.2	23.8	24.0	24.2	23.0	23.0	22.9	22.9	23.0	23.1	23.6	23.6	23.7	24.2	23.8	23.8	24.0	23.9	23.9	24.8	24.7	24.7	24.7
	3	25.3	25.3	25.2	25.4	25.4	25.4	25.9	25.8	25.8	26.0	26.2	26.1	25.3	25.6	25.4	24.3	24.1	24.3	23.1	22.8	23.1	23.4	22.9	22.9	23.5	23.3	23.5	23.9	24.0	23.8	23.9	23.9	24.2	24.6	24.4	24.5	
	4	24.9	25.1	25.3	25.4	25.7	25.6	25.8	25.8	26.0	25.9	25.8	25.7	25.4	25.7	25.4	23.9	24.0	24.1	23.1	23.1	23.0	22.8	22.8	22.9	23.8	23.7	23.5	24.0	23.7	23.9	24.0	23.8	23.9	24.7	24.7	24.5	
	5	25.4	25.2	25.2	25.7	25.5	25.7	25.7	26.0	25.9	26.0	25.9	26.1	25.5	25.4	25.3	24.2	24.2	24.0	23.0	23.0	22.9	22.9	23.1	23.5	23.8	23.6	23.9	23.8	24.1	24.0	24.0	24.2	24.7	24.7	24.9		
	6	25.1	25.2	25.5	25.9	25.2	25.6	25.8	26.0	25.8	25.8	26.0	26.0	25.4	25.4	25.5	24.3	23.9	24.3	22.9	23.3	23.1	23.0	23.0	23.5	23.4	23.8	24.0	23.8	23.7	23.9	24.1	24.1	24.7	24.7	24.8		
	7	25.1	25.2	25.0	25.3	25.7	25.5	25.7	25.7	26.0	25.8	25.7	25.7	25.4	25.5	25.4	23.9	24.0	24.0	22.9	23.3	23.3	23.0	22.9	23.2	23.5	23.8	23.5	24.2	23.9	23.9	23.9	24.0	23.9	24.5	24.6	24.6	
	8	25.4	25.5	25.3	25.6	25.6	25.5	25.8	25.9	25.6	25.9	26.0	26.0	25.5	25.5	25.6	24.0	24.1	24.0	22.9	23.1	22.9	22.9	23.0	23.2	23.4	23.7	23.7	24.0	23.9	23.9	23.8	24.0	24.5	24.6	24.8		
	9	25.1	25.2	25.2	25.5	25.7	25.4	25.9	25.9	25.8	26.1	25.6	26.2	25.5	25.5	25.5	24.1	24.1	24.1	23.1	22.8	23.1	22.8	22.8	23.2	23.3	23.2	23.5	24.1	23.6	24.1	24.2	23.9	24.0	24.6	24.9	24.7	
	10	25.1	25.1	25.6	25.4	25.5	25.6	25.8	26.0	25.9	26.0	26.0	26.0	25.5	25.6	25.3	24.0	24.1	24.3	23.2	23.2	23.0	23.0	22.9	23.3	23.6	23.7	23.7	23.7	24.0	24.1	24.0	24.1	24.7	24.9	24.7		
	11	25.0	25.1	25.3	25.4	25.6	25.5	26.1	25.6	25.9	25.9	26.2	25.7	25.6	25.7	25.7	24.2	23.8	24.4	23.1	23.1	23.1	23.0	22.7	23.5	23.4	23.4	24.1	23.9	23.9	24.2	24.0	24.1	24.5	24.8	24.5		
	12	25.1	25.2	25.1	25.6	25.4	25.7	26.0	26.0	26.0	25.7	25.8	25.3	25.7	25.6	24.4	24.2	23.9	22.9	23.3	23.0	22.9	23.1	22.7	23.6	23.7	23.7	23.9	23.8	24.0	24.2	23.8	23.9	24.6	24.4	24.6		
	13	25.3	25.2	25.4	25.6	25.4	25.5	25.8	25.9	25.6	25.9	26.0	25.9	25.6	25.5	25.5	24.2	24.4	24.2	22.9	23.0	23.1	23.2	23.3	23.8	23.8	23.6	23.9	23.9	23.8	24.0	23.9	24.8	24.8	24.7			
	14	25.4	25.1	25.3	25.4	25.5	25.6	25.7	25.7	26.0	25.9	26.0	26.1	25.4	25.3	25.5	24.2	23.9	23.9	23.1	23.1	23.3	22.9	22.8	22.9	23.2	23.4	23.3	24.1	23.8	24.0	24.1	24.0	24.7	24.8			
	15	25.1	25.3	25.3	25.4	25.6	25.7	25.9	25.9	26.0	25.9	26.1	26.0	25.6	25.2	25.4	24.2	24.1	24.1	23.1	23.1	23.1	23.0	22.9	22.9	23.7	23.5	23.7	24.0	23.8	23.9	24.0	24.3	23.9	24.6	24.7	24.7	
	16	25.6	25.1	25.2	25.3	25.6	25.8	26.0	25.7	25.9	25.8	26.0	25.8	25.7	25.5	25.7	24.1	24.3	24.0	22.8	22.9	23.1	23.0	22.8	23.0	23.4	23.5	23.5	23.8	23.7	23.8	24.0	24.0	23.7	24.5	24.5	24.5	
	17	25.3	25.3	25.5	25.5	25.5	25.5	25.8	25.7	25.9	26.1	25.8	25.8	25.6	25.8	25.5	24.2	24.3	24.2	23.0	23.0	23.3	22.9	23.0	22.7	23.4	23.8	23.4	23.8	24.0	24.1	24.1	24.1	23.9	24.6	24.7	24.7	
	18	25.1	25.2	25.1	25.4	25.5	25.5	25.9	25.8	26.0	26.0	25.4	25.4	25.5	24.5	24.3	24.0	24.1	22.9	23.1	23.1	23.2	23.0	23.0	23.6	23.6	23.5	24.0	24.0	24.1	24.3	23.9	23.9	24.6	24.7	24.8		
	19	25.2	25.4	25.3	25.5	25.5	25.3	25.8	26.1	25.9	25.9	26.0	26.1	25.7	25.5	25.5	24.0	23.9	24.3	23.0	23.1	22.9	23.0	23.1	23.3	23.5	23.7	23.7	23.9	23.8	24.0	24.2	24.3	24.0	24.5	24.7	24.6	
	20	25.5	25.0	25.2	25.6	25.4	25.6	25.8	25.5	26.0	25.9	25.9	25.8	25.7	25.4	25.5	24.1	23.9	24.1	23.0	23.0	22.9	23.1	22.8	22.9	23.4	23.3	23.3	23.7	24.3	24.1	23.9	23.9	24.6	24.6	24.6		
	21	25.2	25.3	25.3	25.5	25.3	25.3	26.0	25.8	26.0	25.9	26.0	26.1	25.5	25.8	25.3	24.4	24.3	24.9	23.1	23.1	23.3	22.7	23.0	23.1	22.7	23.5	23.5	23.5	23.9	23.9	24.1	24.2	24.2	23.8	24.6	24.7	
	22	25.1	25.4	25.2	25.6	25.6	25.6	26.0	26.0	25.7	26.1	25.9	25.9	25.4	25.4	25.6	23.9	24.0	24.4	22.8	23.2	22.9	23.0	23.1	23.0	23.5	23.6	23.7	24.1	23.9	23.6	24.3	23.9	24.0	24.6	24.8		
	23	25.2	25.2	25.2	25.6	25.6	25.8	25.8	25.8	26.3	25.8	25.6	25.5	25.6	25.6	24.1	24.2	23.9	23.2	23.2	22.9	22.9	22.9	23.0	22.9	23.6	23.6	23.6	24.3	23.8	24.0	24.0	23.8	24.0	24.5	24.7	24.8	
	24	25.1	25.0	25.3	25.5	25.5	25.6	26.0	25.8	25.8	26.1	26.0	25.9	25.6	25.3	25.4	24.1	23.9	24.0	23.0	23.0	23.2	23.0	23.2	22.9	23.3	23.5	23.6	23.6	24.1	24.1	23.8	24.4	24.0	24.2	24.7	24.6	24.6
	25	25.1	25.1	25.0	25.5	25.6	25.4	26.0	26.0	25.8	26.1	25.9	26.0	25.3	25.4	25.4	24.3	24.2	23.8	22.8	23.0	22.9	23.0	23.0	22.7	23.5	23.6	23.5	23.8	23.9	24.1	24.1	23.9	24.1	24.2	24.7	24.6	24.7
	26	25.2	25.3	25.3	25.7	25.4	26.2	25.9	26.1	26.0	25.9	26.2	25.4	25.3	25.5	24.0	24.0	24.3	22.9	23.0	23.2	23.1	23.2	23.2	23.6	23.4	23.5	23.9	24.1	24.0	24.2	24.0	23.9	24.6	24.7	24.6		
	27	25.4	25.2	25.3	25.4	25.7	25.4	25.6	25.8	25.7	26.2	25.9	25.9	25.4	25.2	25.3	24.0	24.1	24.1	23.0	23.1	23.1	23.2	23.3	23.1	23.5	23.4	23.6	23.8	23.9	23.8	24.0	24.1	24.0	24.8	24.7	24.7	
	28	25.0	25.3	25.4	25.6	25.5	25.5	25.7	25.8	25.8	25.9	25.9	26.0	25.4	25.6	25.9	24.1	24.1	24.1	23.1	23.1	23.1	23.1	22.8	22.9	23.8	23.5	23.5	23.6	23.6	24.0	24.0	24.0	24.2	24.8	24.8	24.6	
	29	25.4	25.0	25.																																		

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Montalvo	1	24.5	24.6	25.0	24.9	25.0	24.9	25.2	25.2	25.3	25.5	25.4	25.4	25.2	24.9	24.9	23.4	23.6	23.6	22.5	22.8	22.6	22.4	22.3	22.6	23.0	23.1	23.1	23.5	23.6	23.4	23.3	23.5	23.6	24.1	24.2	24.2
	2	24.6	24.5	24.6	25.0	25.1	25.1	25.2	25.3	25.3	25.3	25.2	25.0	25.0	24.6	23.3	23.4	23.6	22.5	22.5	22.5	22.4	22.5	22.6	23.1	23.1	23.2	23.7	23.2	23.3	23.4	23.3	23.4	24.3	24.2	24.1	
	3	24.7	24.7	24.6	24.8	24.8	24.8	25.3	25.1	25.1	25.4	25.6	25.5	24.7	25.0	24.7	23.7	23.5	23.7	22.6	22.3	22.6	22.9	22.4	22.3	22.9	22.8	23.0	23.4	23.5	23.3	23.4	23.6	24.0	23.9	23.9	
	4	24.4	24.5	24.7	24.8	25.1	25.0	25.1	25.2	25.4	25.3	25.2	25.0	24.8	25.1	24.8	23.4	23.5	23.5	22.6	22.6	22.5	22.4	22.3	22.4	23.2	23.1	23.0	23.5	23.2	23.3	23.5	23.3	23.3	24.2	24.2	24.0
	5	24.9	24.6	24.6	25.1	24.9	25.1	25.1	25.4	25.2	25.4	25.2	24.9	24.8	24.7	23.6	23.6	23.4	22.5	22.5	22.4	22.5	22.6	23.0	23.2	23.1	23.3	23.2	23.6	23.5	23.7	24.1	24.1	24.3			
	6	24.5	24.6	24.9	25.2	24.6	25.0	25.1	25.4	25.1	25.2	25.4	25.3	24.8	24.8	24.9	23.7	23.4	23.7	22.5	22.8	22.5	22.6	22.5	22.4	23.0	22.9	23.3	23.5	23.3	23.4	23.5	23.6	24.1	24.1	24.2	
	7	24.6	24.6	24.4	24.7	25.0	24.9	25.0	25.0	25.4	25.2	25.1	25.1	24.8	24.9	24.8	23.4	23.5	23.5	22.4	22.8	22.8	22.5	22.4	22.6	23.0	23.3	23.0	23.7	23.3	23.4	23.3	23.5	23.3	23.9	24.0	24.1
	8	24.8	24.9	24.7	25.0	25.0	24.8	25.2	25.0	25.3	25.3	25.4	24.9	24.9	25.0	23.4	23.5	23.4	22.4	22.6	22.4	22.4	22.6	22.8	23.2	23.2	23.4	23.4	23.3	23.3	23.4	24.0	24.1	24.2			
	9	24.5	24.6	24.6	24.9	25.0	24.8	25.2	25.2	25.2	25.4	25.0	25.6	24.9	24.9	24.9	23.5	23.6	23.6	22.5	22.3	22.6	22.3	22.3	22.7	22.8	22.7	22.9	23.5	23.1	23.6	23.6	23.4	24.0	24.3	24.2	
	10	24.5	24.5	25.0	24.8	24.9	25.0	25.1	25.3	25.3	25.4	25.4	25.3	24.9	25.0	24.7	23.5	23.5	23.7	22.6	22.7	22.5	22.5	22.4	22.8	23.1	23.1	23.1	23.2	23.5	23.6	23.4	23.6	23.5	24.1	24.3	24.2
	11	24.5	24.5	24.7	24.8	25.0	24.9	25.4	25.0	25.2	25.3	25.6	25.1	25.0	25.1	25.0	23.6	23.2	23.8	22.6	22.6	22.6	22.5	22.2	23.0	22.9	22.9	23.6	23.4	23.3	23.6	23.5	23.5	24.0	24.2	23.9	
	12	24.5	24.6	24.5	25.0	24.7	25.1	25.4	25.0	25.3	25.4	25.1	25.2	24.7	25.0	25.0	23.8	23.6	23.3	22.4	22.8	22.5	22.3	22.6	22.2	23.1	23.1	23.1	23.3	23.2	23.4	23.6	23.2	23.4	24.1	23.8	24.0
	13	24.8	24.6	24.8	25.0	24.8	24.9	25.1	25.3	25.0	25.3	25.4	25.2	25.0	24.9	25.0	23.6	23.8	23.7	22.4	22.5	22.6	22.6	22.7	22.8	23.3	23.3	23.1	23.4	23.3	23.4	23.5	23.4	24.2	24.1	24.2	
	14	24.8	24.5	24.7	24.8	24.9	25.0	25.0	25.0	25.3	25.2	25.4	25.5	24.8	24.7	24.9	23.6	23.4	23.4	22.6	22.5	22.7	22.4	22.3	22.4	22.7	22.9	22.8	23.6	23.3	23.3	23.4	23.5	24.1	24.1	24.2	
	15	24.5	24.7	24.7	24.8	25.0	25.0	25.2	25.3	25.3	25.3	25.4	25.4	25.0	24.6	24.8	23.6	23.5	23.6	22.6	22.6	22.6	22.5	22.4	22.4	23.2	23.1	23.2	23.4	23.3	23.5	23.7	23.3	24.0	24.1	24.1	
	16	25.0	24.5	24.6	24.7	25.0	25.2	25.4	25.0	25.3	25.2	25.4	25.2	25.1	24.9	25.1	25.1	23.5	23.7	23.5	22.3	22.4	22.5	22.3	22.5	22.9	23.0	23.0	23.3	23.2	23.4	23.5	23.5	23.2	24.0	24.0	24.0
	17	24.7	24.7	25.0	24.9	25.0	24.9	25.2	25.1	25.3	25.5	25.2	25.2	25.0	25.2	24.9	23.6	23.8	23.6	22.5	22.5	22.8	22.4	22.5	22.2	22.9	23.3	23.3	23.5	23.5	23.5	23.5	23.4	24.0	24.1	24.2	
	18	24.6	24.6	24.5	24.8	24.9	24.8	25.3	25.2	25.3	25.2	25.4	25.4	24.8	24.7	24.8	23.7	23.5	23.6	22.4	22.6	22.6	22.7	22.4	22.4	23.1	23.1	23.0	23.4	23.5	23.5	23.8	23.3	23.3	24.0	24.1	24.2
	19	24.6	24.8	24.8	24.9	24.8	24.7	25.1	25.5	25.2	25.3	25.4	25.5	25.1	24.9	24.9	23.4	23.3	23.7	22.5	22.7	22.4	22.4	22.5	22.6	22.8	23.0	23.3	23.2	23.4	23.3	23.7	23.5	23.9	24.1	24.1	
	20	24.9	24.4	24.6	25.0	24.8	24.9	25.1	24.9	25.3	25.2	25.3	25.1	24.8	24.8	23.5	23.3	23.5	22.5	22.5	22.4	22.6	22.3	22.4	22.9	22.8	22.9	23.2	23.7	23.6	23.4	23.5	24.1	24.3	24.0		
	21	24.7	24.8	24.7	24.9	24.7	24.7	25.3	25.1	25.3	25.2	25.4	25.5	24.9	25.1	24.7	23.8	23.4	23.6	22.6	22.8	22.2	22.5	22.6	22.2	23.0	23.0	23.0	23.4	23.6	23.7	23.3	24.1	24.2	24.1		
	22	24.5	24.8	24.6	25.0	25.0	25.3	25.4	25.0	25.5	25.3	25.3	24.8	24.8	25.0	23.4	23.5	23.8	22.3	22.7	22.4	22.5	22.5	22.4	23.0	23.1	23.2	23.6	23.4	23.0	23.7	23.4	23.5	24.0	24.3	24.0	
	23	24.7	24.6	24.7	25.0	25.0	25.2	25.2	25.2	25.6	25.1	25.0	24.9	25.0	23.5	23.6	23.3	22.7	22.7	22.4	22.5	22.4	22.4	23.1	23.1	23.1	23.8	23.3	23.5	23.5	23.2	23.5	23.9	24.1	24.2		
	24	24.5	24.5	24.7	24.9	24.9	25.0	25.3	25.1	25.2	25.5	25.4	25.3	25.0	24.7	24.8	23.5	23.3	23.4	22.6	22.5	22.7	22.7	22.4	22.8	23.0	23.1	23.1	23.6	23.6	23.8	23.5	23.6	24.1	24.0	24.1	
	25	24.5	24.6	24.5	24.9	24.9	24.8	25.3	25.1	25.4	25.3	25.4	24.7	24.8	24.8	23.7	23.6	23.3	22.4	22.5	22.4	22.4	22.2	23.0	23.1	23.0	23.2	23.4	23.6	23.4	23.5	23.6	24.2	24.0	24.1		
	26	24.6	24.7	24.8	25.0	24.8	24.7	25.5	25.2	25.4	25.4	25.5	24.8	24.7	24.9	23.5	23.4	23.7	22.4	22.5	22.6	22.5	22.6	22.7	23.1	22.9	23.0	23.4	23.6	23.4	23.6	23.5	23.3	24.1	24.1	24.0	
	27	24.8	24.6	24.7	24.7	25.0	24.8	24.9	25.2	25.1	25.5	25.3	25.3	24.8	24.6	24.7	23.4	23.5	23.5	22.5	22.6	22.6	22.7	22.7	22.6	23.0	22.9	23.1	23.3	23.4	23.3	23.5	23.6	23.5	24.2	24.1	24.1
	28	24.5	24.8	24.9	24.9	25.0	24.8	25.1	25.2	25.2	25.3	25.4	24.8	25.0	25.2	23.6	23.6	23.5	22.6	22.5	22.6	22.6	22.6	22.7	22.3	22.2	22.5	23.1	23.0	23.0	23.6	23.5	23.5	23.7	24.2	24.2	24.0
	29	24.8	24.4	24.7	25.1	24.9	24.6	25.2	25.1	25.2	25.3	25.4	25.5	24.8	25.0	24.8	23.6	23.6	23.6	22.5																	

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Montalvo-S	1	25.1	25.2	25.3	25.3	25.2	25.3	25.6	25.6	26.0	25.8	25.7	25.5	25.3	25.1	23.9	24.1	24.1	23.0	23.2	23.0	22.9	22.7	22.9	23.4	23.3	23.1	23.8	23.6	23.6	23.7	23.9	24.7	24.8	24.7		
	2	24.9	25.0	25.3	25.4	25.4	25.5	25.8	25.8	25.6	25.9	25.8	25.8	25.1	25.3	25.1	23.9	24.0	24.1	23.0	23.2	23.2	22.6	22.9	22.8	23.2	23.2	23.4	23.8	23.5	23.7	23.8	23.8	23.9	24.8	24.6	24.6
	3	25.3	25.2	24.9	25.2	25.1	25.2	25.8	25.5	25.4	25.7	26.0	25.9	25.1	25.4	25.2	24.3	24.0	24.1	23.0	22.9	22.9	23.1	22.8	22.5	23.0	23.1	23.4	23.7	23.6	23.8	23.8	23.6	24.0	24.6	24.4	24.4
	4	25.1	24.9	25.1	25.2	25.5	25.4	25.4	25.6	25.7	25.9	25.9	25.7	25.1	25.5	25.3	23.9	24.0	24.0	23.0	22.9	23.0	22.7	22.8	22.9	23.4	23.2	23.1	23.8	23.6	23.5	23.9	23.8	23.7	24.6	24.5	24.7
	5	25.4	25.3	25.0	25.3	25.3	25.5	25.5	25.7	25.5	26.0	25.9	25.9	25.3	25.1	25.1	24.1	24.1	24.0	23.1	22.9	22.6	22.9	22.9	23.3	23.3	23.4	23.7	23.5	23.9	23.7	23.7	23.9	24.5	24.6	24.6	
	6	25.0	25.3	25.2	25.3	25.1	25.4	25.5	25.6	25.6	25.8	26.0	25.9	25.2	25.0	25.3	23.9	23.8	24.1	22.9	23.1	23.0	22.8	22.6	23.3	23.0	23.5	23.7	23.8	23.5	23.7	24.0	23.7	24.5	24.6	24.6	
	7	25.2	25.1	25.1	25.2	25.2	25.5	25.5	25.8	25.8	25.7	25.7	25.2	25.3	25.3	23.9	23.9	24.0	22.9	23.2	23.0	22.6	22.7	22.7	23.1	23.5	23.1	23.8	23.5	23.6	23.6	23.8	23.7	24.6	24.7	24.6	
	8	25.2	25.1	25.2	25.2	25.3	25.3	25.5	25.5	25.5	25.8	26.0	25.9	25.2	25.4	25.5	23.9	24.0	23.9	23.1	23.0	22.9	22.5	22.8	22.9	23.1	23.4	23.4	23.7	23.7	23.9	23.5	23.7	23.7	24.5	24.8	24.9
	9	25.1	24.9	25.1	25.2	25.5	25.3	25.7	25.5	25.6	26.0	25.7	26.1	25.1	25.2	25.2	24.0	24.0	24.0	22.9	22.8	23.0	22.6	22.6	23.0	22.9	23.2	23.1	23.8	23.6	23.6	23.9	23.8	23.7	24.6	24.5	24.7
	10	25.0	25.0	25.3	25.0	25.2	25.3	25.5	25.6	25.7	25.9	26.0	25.7	25.3	25.3	25.2	23.9	23.9	23.9	23.1	23.1	23.1	22.7	22.7	23.1	23.2	23.3	23.3	23.6	23.7	23.7	23.9	24.0	23.7	24.6	24.7	24.7
	11	25.2	25.0	25.0	25.2	25.5	25.2	25.5	25.4	25.6	26.0	26.0	25.7	25.3	25.4	25.4	24.0	23.7	24.1	22.9	22.8	22.9	23.0	22.8	22.7	23.2	23.0	23.3	23.8	23.7	23.6	23.9	23.8	24.6	24.7	24.5	
	12	25.0	24.9	25.0	25.3	25.1	25.3	25.7	25.5	25.5	25.8	25.8	25.7	25.3	25.4	25.3	24.0	24.1	24.0	23.0	23.2	23.2	22.7	23.0	22.6	23.3	23.3	23.7	23.5	23.7	24.0	23.6	23.8	24.6	24.4	24.6	
	13	25.4	25.1	25.4	25.3	25.2	25.1	25.5	25.5	25.5	25.9	26.0	25.8	25.3	25.3	25.3	24.0	24.1	24.0	23.0	22.9	23.0	23.0	22.9	23.4	23.4	23.4	23.6	23.6	23.6	23.8	23.8	23.9	24.7	24.5	24.7	
	14	25.3	24.9	25.2	25.1	25.5	25.3	25.5	25.4	25.7	25.8	25.8	25.8	25.0	25.2	25.1	24.0	23.9	24.1	22.9	23.0	23.1	22.9	22.8	22.8	22.9	23.0	23.1	23.7	23.6	23.7	23.8	23.7	23.9	24.8	24.8	24.6
	15	24.9	25.3	25.0	25.1	25.4	25.3	25.5	25.7	25.5	26.0	26.1	25.9	25.3	25.0	25.2	24.0	24.0	24.1	23.0	22.9	23.0	22.8	22.7	22.8	23.3	23.2	23.3	23.7	23.5	23.8	23.7	24.0	23.7	24.4	24.5	24.7
	16	25.5	25.0	25.1	25.3	25.4	25.3	25.8	25.4	25.5	25.8	25.8	25.9	25.3	25.2	25.4	23.9	24.0	23.9	22.9	22.9	22.9	22.9	22.9	23.3	23.2	23.2	23.6	23.7	23.8	23.8	23.7	24.5	24.8	24.6		
	17	25.3	25.1	25.4	25.3	25.3	25.2	25.6	25.5	25.5	25.8	25.7	25.9	25.2	25.3	25.4	24.0	24.2	23.9	22.9	23.0	23.3	22.8	22.6	23.1	23.4	23.2	23.7	23.7	23.5	23.7	23.8	23.8	24.6	24.6	24.7	
	18	25.2	25.2	25.0	25.3	25.3	25.3	25.6	25.6	25.5	25.9	26.0	25.8	25.3	25.1	25.4	24.0	23.9	23.9	22.9	22.9	23.0	22.6	22.7	23.3	23.3	23.3	23.5	23.8	23.9	23.7	23.5	24.7	24.5	24.6		
	19	25.1	25.0	25.3	25.3	25.3	25.1	25.4	25.7	25.6	25.8	25.9	26.0	25.5	25.3	25.3	25.7	23.7	23.9	24.0	23.1	22.8	23.0	22.7	23.0	22.8	23.1	23.2	23.5	23.4	23.6	23.5	23.9	23.8	24.5	24.7	24.8
	20	25.2	24.9	25.0	25.2	25.2	25.6	25.6	25.5	25.6	25.9	25.8	25.3	25.3	25.3	24.0	23.9	24.1	23.2	22.8	22.9	22.8	22.8	22.9	23.3	23.3	23.3	23.5	24.0	23.7	23.7	23.8	24.4	24.8	24.7		
	21	25.1	25.1	25.1	25.3	25.1	25.2	25.6	25.5	25.6	25.8	25.9	25.9	25.4	25.2	25.2	24.3	23.9	24.0	23.1	22.9	22.8	22.8	22.6	23.2	23.3	23.3	23.6	23.6	23.9	23.7	24.1	23.7	24.6	24.5	24.7	
	22	25.1	25.1	25.0	25.3	25.3	25.2	25.7	25.9	25.4	25.9	25.7	26.1	25.3	25.3	25.2	23.9	24.0	24.1	22.8	23.1	22.9	22.7	22.6	22.7	23.4	23.4	23.5	23.6	23.6	23.5	23.9	23.8	23.7	24.5	24.7	24.5
	23	25.3	25.0	25.3	25.3	25.2	25.5	25.4	25.7	25.7	25.9	25.9	25.6	25.3	25.3	25.3	24.2	24.0	23.9	23.0	22.9	23.0	22.8	22.7	22.6	23.5	23.4	23.2	23.9	23.7	23.6	23.9	24.6	24.7	24.7		
	24	25.1	25.1	25.4	25.2	25.1	25.1	25.5	25.4	26.2	25.9	25.8	25.3	25.0	25.2	23.9	23.7	23.8	23.0	23.1	23.2	22.8	22.9	22.7	22.7	23.1	23.3	23.3	23.6	23.6	23.9	23.8	23.8	24.5	24.6	24.6	
	25	25.2	25.3	25.0	25.3	25.3	25.1	25.7	25.6	25.7	25.9	25.8	26.1	25.3	25.2	25.2	24.1	23.9	23.8	23.0	22.9	22.8	22.8	22.8	22.7	23.3	23.3	23.3	23.5	23.5	23.9	23.9	23.8	24.8	24.5	24.8	
	26	25.2	25.2	25.2	25.4	25.4	25.1	25.6	25.7	25.6	26.0	25.9	25.9	25.2	25.2	25.4	24.1	23.9	24.1	22.9	23.1	23.0	22.8	23.0	23.0	23.2	23.1	23.4	23.7	23.8	23.6	23.9	23.9	24.5	24.5	24.7	
	27	25.1	25.2	25.1	25.0	25.3	25.2	25.3	25.7	25.4	25.8	25.9	25.8	25.1	25.1	24.9	23.7	23.9	24.0	23.0	23.1	23.0	22.8	23.0	22.8	23.1	23.2	23.5	23.7	23.8	23.6	23.6	23.9	24.7	24.5	24.7	
	28	25.1	25.4	25.3	25.2	25.4	25.0	25.6	25.7	25.5	26.0	25.8	25.8	25.2	25.1	25.5	24.0	23.9	23.9	23.1	23.0	23.1	22.7	22.7	22.6	23.3	23.2	23.4	23.4	23.5	23.8	23.9	23.7	24.8	24.4	24.8	
	29	25.2	25.0	25.1	25.3	25.3	25.0	25.8	25.6	25.6	25.9	26.0	26.0	25.2	25.3	25.																					

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Quinsaloma	1	25.1	24.9	25.1	25.4	25.5	25.4	25.6	25.6	25.5	26.0	25.6	25.3	25.3	25.0	25.4	24.0	24.2	24.1	23.4	23.4	23.4	23.3	23.5	23.6	23.4	23.8	23.5	23.9	24.6	24.7	24.5	25.0	25.0	24.5			
	2	25.1	25.4	24.8	25.3	25.4	25.0	25.4	25.2	25.4	25.6	25.6	25.4	25.4	25.6	25.1	24.2	24.2	24.3	23.3	23.2	23.3	23.4	23.1	23.0	23.2	23.4	23.3	23.7	23.7	24.1	24.4	24.3	24.5	25.0	24.9	25.0	
	3	25.3	25.0	24.9	25.3	25.2	25.5	25.3	25.7	25.3	25.3	25.6	25.3	24.9	25.2	25.0	24.5	24.2	24.1	23.0	23.2	23.4	23.2	23.6	23.5	23.7	23.4	23.6	23.9	23.9	24.1	24.7	24.5	24.3	24.7	24.8	24.6	
	4	25.0	25.2	25.0	25.0	25.3	25.5	25.6	25.9	25.2	25.2	25.9	24.9	25.0	25.2	24.3	24.1	24.5	23.5	23.2	23.2	23.4	23.4	23.3	23.3	23.2	23.6	23.7	23.8	24.0	24.1	24.4	24.5	24.6	24.7	24.7	24.7	
	5	25.2	24.7	24.6	25.7	25.4	25.5	25.3	25.7	25.7	25.3	25.7	25.8	25.3	25.1	24.9	24.3	23.9	24.1	22.9	23.2	23.0	23.1	23.4	23.3	23.5	23.3	24.1	23.7	23.4	24.6	24.5	24.1	25.0	24.7	25.3		
	6	25.4	24.9	24.7	25.4	25.3	25.4	25.4	25.1	25.3	25.4	25.6	25.6	25.5	25.0	24.9	24.1	24.4	24.6	23.4	23.7	23.2	23.3	23.4	23.3	23.7	23.5	23.4	23.4	24.2	24.0	24.2	24.2	24.7	24.8	24.7		
	7	25.3	25.0	25.0	25.2	25.7	25.1	25.1	25.4	25.5	25.5	25.6	25.8	24.9	25.3	25.4	24.2	24.2	24.0	23.5	23.5	23.3	23.4	23.4	23.3	23.8	23.4	23.4	24.2	23.6	23.8	24.3	24.6	24.0	25.1	24.8	24.9	
	8	25.1	25.0	24.6	25.3	25.0	25.3	25.3	25.8	25.5	25.3	25.8	25.4	25.1	24.9	25.0	24.2	24.1	24.1	23.3	23.6	23.3	23.2	23.3	23.5	23.7	23.6	23.4	23.9	23.8	23.6	24.5	24.5	24.3	24.6	25.0	24.9	
	9	24.9	25.0	24.8	25.2	25.1	25.5	25.3	25.5	25.1	25.3	25.5	25.5	25.4	25.2	25.3	24.2	24.3	24.0	23.4	23.4	23.2	23.5	23.4	23.3	23.8	23.7	23.6	23.9	23.6	24.0	24.1	24.5	24.4	24.5	24.7	24.7	
	10	24.9	25.2	24.6	25.3	25.0	25.4	25.8	25.1	25.7	25.4	25.5	25.6	25.1	25.5	25.2	24.0	24.3	24.3	23.3	23.0	23.2	23.2	23.6	23.6	23.6	23.8	23.8	24.2	24.1	23.9	24.5	24.3	24.9	25.0	24.8		
	11	25.1	24.8	25.4	25.1	25.2	25.4	25.3	25.6	25.9	25.9	25.3	25.6	25.2	25.1	25.0	24.2	24.3	24.5	23.4	23.4	23.5	23.2	23.5	23.3	23.7	24.0	23.5	24.0	23.8	24.6	24.4	24.7	24.5	24.9	25.0		
	12	25.2	25.0	24.6	25.6	25.8	25.5	25.6	25.3	25.3	25.7	25.6	25.2	25.1	25.2	25.0	24.6	24.2	24.1	23.3	23.5	23.6	23.2	23.5	23.5	23.7	23.5	23.4	23.9	24.2	23.7	24.4	24.3	24.1	24.3	24.6	25.1	
	13	25.2	24.9	25.0	25.6	25.2	25.3	25.7	25.2	25.3	25.5	25.7	25.4	25.1	25.0	25.2	24.0	24.3	24.1	23.4	23.4	23.6	23.1	23.6	23.6	23.4	23.5	23.9	24.0	24.2	24.1	24.2	24.1	25.0	24.6	24.5		
	14	24.9	24.6	24.9	25.3	25.3	25.5	25.8	25.5	25.5	25.3	25.6	25.4	24.7	25.2	25.3	24.3	24.1	24.1	23.3	23.3	23.0	23.1	23.5	23.4	23.6	23.7	23.9	24.0	23.7	24.0	24.2	24.5	24.5	24.6	25.0	24.8	
	15	24.8	25.1	24.8	25.7	25.5	25.3	25.3	25.4	25.3	25.6	25.3	25.5	24.9	25.5	24.4	24.5	24.5	24.0	23.7	23.2	23.6	23.3	23.3	23.2	23.4	23.4	23.8	23.5	23.8	23.5	24.4	24.6	24.6	24.9	24.7	24.7	
	16	25.1	24.7	25.0	25.5	25.2	25.0	25.5	25.7	25.6	25.3	25.2	25.5	24.3	24.0	24.4	23.7	23.3	23.1	23.3	23.3	23.3	23.7	23.2	23.7	23.8	23.8	23.9	24.4	24.3	24.7	24.6	24.7	24.8				
	17	24.9	24.9	25.1	25.6	25.3	25.0	25.2	25.4	25.3	25.4	25.5	25.2	24.4	24.4	24.2	24.3	24.2	23.4	23.6	23.2	23.2	23.4	23.1	23.1	23.2	23.7	23.4	24.1	23.9	23.9	24.7	24.0	24.8	24.6	24.6		
	18	25.1	25.1	24.6	25.4	25.4	25.4	25.7	25.4	25.3	25.6	25.5	25.8	24.9	25.4	25.1	24.1	24.4	24.2	23.5	23.5	23.3	23.2	23.3	23.3	23.7	23.9	23.8	23.6	24.3	24.6	24.2	25.1	25.2	24.7			
	19	25.0	25.1	25.1	25.7	25.5	25.5	25.7	25.2	25.4	25.4	25.5	25.2	24.9	25.5	24.4	24.3	24.4	23.0	23.4	23.6	23.3	23.5	23.4	23.5	23.7	23.6	23.7	23.8	23.9	24.1	24.3	25.2	24.9	24.9			
	20	24.7	24.7	25.0	25.4	25.4	25.6	25.3	25.6	25.6	25.5	25.2	25.8	25.0	25.0	24.8	24.1	24.2	24.2	23.3	23.5	23.5	23.6	23.7	23.4	23.7	23.8	23.5	23.9	23.5	24.1	24.3	24.3	25.0	24.7	24.8		
	21	25.0	25.0	24.8	25.2	25.4	25.5	25.3	25.2	25.5	25.9	25.5	25.2	25.4	25.4	24.9	24.1	24.5	24.5	23.9	23.7	23.3	23.3	23.2	23.3	23.2	23.4	23.5	23.6	23.5	24.0	24.5	24.1	24.6	24.5	24.6		
	22	24.9	25.1	25.0	25.4	25.4	25.5	25.2	25.4	25.1	25.1	25.8	25.8	24.9	25.4	25.1	24.3	24.4	24.4	24.3	22.9	23.2	23.1	23.5	23.4	23.5	23.7	23.4	23.8	23.6	24.1	24.4	24.1	24.7	24.8	24.9		
	23	25.0	25.0	25.1	25.3	25.1	25.5	25.7	25.5	25.4	25.4	25.6	25.6	25.3	25.1	25.1	24.7	24.2	24.2	23.0	23.0	23.5	22.9	23.2	23.2	23.8	23.6	23.4	23.8	23.6	24.1	24.5	24.4	24.3	24.8	24.9	25.0	
	24	24.8	24.8	24.9	25.1	25.3	25.0	25.6	25.3	25.4	25.5	25.4	24.8	25.0	25.4	24.6	24.5	24.6	24.6	22.9	23.5	23.2	23.3	23.5	23.7	23.2	23.6	23.6	23.9	24.1	24.1	24.2	24.3	24.4	24.9	24.7	24.9	
	25	25.1	25.0	25.2	25.2	25.1	25.5	25.4	25.7	25.1	25.4	25.5	25.3	25.3	25.3	24.6	24.1	23.9	23.2	23.3	23.2	23.1	23.5	23.3	23.8	23.4	23.5	23.9	23.7	23.9	24.4	24.3	24.7	24.9	24.8			
	26	25.0	25.0	25.4	25.3	25.1	25.4	25.7	25.6	25.8	25.5	24.8	25.3	25.0	24.1	24.1	24.2	23.5	23.5	23.3	23.4	23.7	23.3	23.7	23.2	24.1	23.6	24.2	24.1	24.7	24.0	24.7	24.4	25.0				
	27	25.3	25.1	25.4	25.5	25.7	25.9	25.4	25.8	25.4	25.2	25.5	25.1	25.0	25.1	24.6	24.5	24.3	23.3	23.5	23.1	23.2	23.2	23.5	23.3	23.7	23.4	24.2	23.7	24.5	23.9	24.1	24.7	24.8	25.0			
	28	24.9	24.9	24.8	25.6	25.3	25.3	25.1	25.6	25.0	25.8	25.2	25.5	25.3	25.5	25.2	24.2	24.1	24.4	24.4	23.3	23.3	23.2	23.4	23.5	23.4	23.7	23.7	23.7	23.8	24.3	23.6	24.4	23.9	24.1	24.6	24.7	24.7
	29	25.0	24.9	25.0	25.5	25.1	25.7	25.9	25.9	25.2	25.2	25.5	25.6	25.5	25.0	25.0	25.																					

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Quevedo	1	25.0	24.7	24.9	25.3	25.3	25.2	25.4	25.5	25.4	25.8	25.5	25.3	25.1	24.9	25.2	23.9	24.0	24.0	23.2	23.2	23.2	22.9	23.2	23.1	23.4	23.5	23.3	23.7	23.4	23.7	24.3	24.4	24.3	24.7	24.4	
	2	24.8	25.1	24.7	25.2	25.2	24.9	25.3	25.2	25.3	25.5	25.5	25.3	25.3	25.4	25.0	24.0	24.0	24.0	23.1	23.1	23.0	23.2	23.0	22.9	23.1	23.3	23.2	23.6	23.6	24.0	24.2	24.1	24.3	24.6	24.6	24.7
	3	25.1	24.8	24.7	25.1	25.1	25.3	25.2	25.5	25.2	25.3	25.5	25.3	24.9	25.1	25.0	24.3	24.0	23.9	22.8	23.0	23.2	23.0	23.3	23.3	23.5	23.3	23.5	23.8	23.8	23.9	24.4	24.3	24.1	24.5	24.6	24.4
	4	24.9	25.0	24.9	25.0	25.2	25.3	25.5	25.7	25.1	25.3	25.2	25.6	24.8	24.9	25.1	24.1	23.9	24.1	23.3	23.1	23.0	23.2	23.3	23.0	23.2	23.4	23.6	23.8	23.8	24.0	24.1	24.2	24.5	24.5	24.4	
	5	24.9	24.6	24.5	25.5	25.2	25.4	25.2	25.5	25.6	25.3	25.6	25.7	25.2	25.0	24.8	24.1	23.8	24.0	22.8	23.1	22.9	22.9	23.2	23.1	23.4	23.2	23.2	23.9	23.6	24.3	24.2	23.9	24.7	24.4	24.9	
	6	25.2	24.7	24.6	25.3	25.1	25.2	25.3	25.1	25.2	25.4	25.5	25.5	25.2	24.9	24.9	23.9	24.1	24.3	23.2	23.4	23.1	23.1	23.2	23.2	23.5	23.4	23.4	23.5	24.0	23.9	24.0	24.0	23.9	24.5	24.5	24.4
	7	25.0	24.9	24.7	25.1	25.4	25.0	25.1	25.3	25.4	25.4	25.5	25.6	24.8	25.2	25.2	24.0	24.0	23.8	23.2	23.2	23.1	23.2	23.2	23.1	23.6	23.4	23.3	23.9	23.6	23.8	24.1	24.3	23.8	24.8	24.6	24.6
	8	24.9	24.8	24.4	25.1	24.9	25.2	25.1	25.5	25.3	25.3	25.7	25.4	25.0	24.8	24.9	24.0	23.9	23.9	23.2	23.4	23.1	23.1	23.3	23.6	23.5	23.3	23.9	23.7	23.6	24.2	24.2	24.0	24.4	24.7	24.5	
	9	24.8	24.7	24.6	25.1	25.0	25.3	25.3	25.0	25.2	25.4	25.4	25.2	25.0	25.1	24.1	24.1	23.9	23.1	23.2	23.0	23.3	23.2	23.1	23.6	23.5	23.5	23.7	23.6	23.8	24.0	24.2	24.1	24.2	24.5	24.4	
	10	24.7	25.0	24.5	25.1	24.9	25.3	25.6	25.1	25.4	25.4	25.4	25.5	25.0	25.2	25.1	23.9	24.1	24.1	23.2	22.9	23.0	23.0	23.3	23.3	23.5	23.5	23.6	23.7	24.0	24.0	24.0	23.7	24.2	24.0	24.6	24.5
	11	24.8	24.6	25.1	25.0	25.1	25.2	25.1	25.4	25.6	25.6	25.3	25.5	25.0	25.0	24.9	24.0	24.0	24.2	23.2	23.2	23.2	23.1	23.3	23.2	23.5	23.8	23.4	23.9	23.7	24.3	24.1	24.4	24.3	24.6	24.7	
	12	25.0	24.8	24.5	25.4	25.5	25.3	25.2	25.6	25.5	25.3	25.0	25.1	25.0	24.4	24.4	24.0	23.9	23.1	23.3	23.3	23.1	23.3	23.6	23.4	23.3	23.8	24.0	23.7	24.1	24.1	24.0	24.2	24.4	24.7		
	13	24.9	24.7	24.8	25.4	25.1	25.1	25.5	25.1	25.1	25.4	25.6	25.3	24.9	24.9	25.0	23.8	24.1	24.0	23.2	23.2	23.1	23.4	23.0	23.4	23.4	23.2	23.4	23.8	23.8	24.0	23.9	24.0	24.7	24.5	24.3	
	14	24.7	24.5	24.7	25.2	25.2	25.3	25.6	25.4	25.4	25.3	25.5	25.3	24.7	25.1	25.2	24.1	23.9	24.0	23.1	23.1	22.8	23.0	23.2	23.2	23.5	23.5	23.7	23.9	23.6	23.8	24.0	24.2	24.3	24.4	24.7	24.6
	15	24.6	24.8	24.6	25.5	25.3	25.1	25.3	25.2	25.3	25.3	25.5	25.3	25.3	24.9	25.3	24.1	24.3	23.8	23.5	23.1	23.3	23.0	23.0	23.3	23.3	23.6	23.5	23.7	23.5	23.5	24.1	24.4	24.3	24.6	24.4	
	16	24.9	24.6	24.8	25.3	25.1	24.9	25.4	25.5	25.4	25.6	25.5	25.2	25.0	25.3	24.1	23.9	24.1	23.5	23.1	22.9	23.1	23.1	23.1	23.6	23.1	23.6	23.7	23.7	24.1	24.1	24.4	24.4	24.4	24.6		
	17	24.7	24.7	24.9	25.4	25.1	24.9	25.2	25.3	25.2	25.4	25.6	25.3	25.3	25.0	25.1	24.2	24.1	24.0	23.2	23.4	23.1	23.2	23.1	23.0	23.2	23.5	23.4	23.7	24.0	23.8	23.8	24.4	24.5	24.4	24.4	
	18	24.8	24.9	24.4	25.3	25.2	25.2	25.5	25.3	25.2	25.5	25.4	25.7	24.8	25.3	25.0	24.0	24.0	24.1	24.0	23.4	23.2	23.1	23.1	23.3	23.5	23.7	23.7	23.6	23.5	24.1	24.3	24.0	24.8	24.8	24.5	
	19	24.8	24.9	24.9	25.5	25.3	25.3	25.2	25.5	25.1	25.4	25.4	25.5	25.0	24.8	25.2	24.2	24.0	24.2	22.9	23.2	23.3	23.1	23.4	23.5	23.5	23.6	23.7	23.7	24.0	24.0	24.9	24.6	24.6			
	20	24.6	24.5	24.8	25.2	25.3	25.3	25.2	25.4	25.5	25.4	25.2	25.6	25.0	24.8	24.8	23.9	24.0	24.0	23.1	23.3	23.4	23.4	23.2	23.6	23.6	23.4	23.8	23.8	23.5	23.9	24.1	24.0	24.6	24.4		
	21	24.8	24.8	24.6	25.1	25.2	25.3	25.2	25.3	25.7	25.4	25.1	25.2	25.2	24.9	23.9	24.2	23.8	23.4	23.2	23.2	23.0	23.1	23.2	23.2	23.3	23.4	23.5	23.5	23.8	24.3	24.0	24.3	24.4	24.6		
	22	24.7	24.9	24.9	25.1	25.3	25.0	25.2	25.2	25.1	25.7	25.6	24.8	25.2	25.0	24.1	24.1	24.1	22.8	23.1	23.0	23.4	23.3	23.2	23.4	23.5	23.5	23.3	23.9	23.9	24.2	24.0	24.4	24.6	24.7		
	23	24.8	24.9	24.8	25.1	25.0	25.2	25.4	25.3	25.4	25.5	25.5	25.1	24.9	25.1	24.4	24.0	24.0	22.9	22.9	23.3	22.8	23.0	23.0	23.6	23.5	23.7	23.5	23.9	24.2	24.1	24.5	24.6	24.7			
	24	24.7	24.6	24.8	25.1	25.1	25.0	25.4	25.2	25.3	25.5	25.2	25.3	24.7	24.9	25.2	24.4	24.2	24.2	24.3	22.8	23.3	23.0	23.1	23.3	23.4	23.2	23.5	23.5	23.8	23.9	23.9	24.1	24.2	24.6	24.4	
	25	24.9	24.7	25.0	25.0	25.0	25.4	25.3	25.5	25.1	25.4	25.4	25.0	25.2	25.1	24.3	23.9	23.7	23.1	23.1	23.1	23.0	23.3	23.1	23.6	23.3	23.3	23.7	23.8	23.6	23.8	24.2	24.0	24.3	24.7	24.6	
	26	24.9	24.9	24.9	25.2	25.2	25.0	25.3	25.3	25.5	25.5	25.6	25.3	24.7	25.2	25.0	23.9	23.9	24.0	23.3	23.3	23.1	23.2	23.5	23.6	23.6	23.1	23.8	23.5	24.0	23.8	24.3	23.9	24.4	24.2	24.6	
	27	25.0	24.9	24.9	25.2	25.3	25.5	25.6	25.3	25.6	25.3	25.2	25.5	25.0	24.9	25.0	24.3	24.2	24.1	23.1	23.3	23.0	23.0	23.3	23.5	23.3	23.6	24.0	23.6	23.6	24.2	23.9	23.9	24.4	24.6	24.6	
	28	24.6	24.8	24.6	25.4	25.2	25.1	25.0	25.5	25.0	25.7	25.2	25.4	25.1	25.3	25.1	23.9	24.1	24.1	23.1	23.1	23.0	23.2	23.2	23.6	23.6	23.5	23.7	24.1	23.6	24.1	23.7	23.9	24.4	24.4	24.5	
	29	24.8	24.7	24.8	25.3	25.0	25.5	25.7	25.6	25.1	25.4	25.4	25.4	24.9	25.0	25.3	23.8	24.1	24.1	23.8	23.0	23.3	23.1	23.0	23.0	23.3	23.4	23.5	23.6	23.7	23.6	24.0	23.9	24.3	24.5	24.5	24.6
	30	24.7	24.8	24.8	25.0	25.3	25.1																														

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Valencia	1	24.2	23.7	24.0	24.5	24.3	24.4	24.8	24.7	24.8	25.0	24.9	24.9	24.3	24.4	24.5	23.2	22.8	23.2	22.2	22.2	22.1	22.2	22.0	22.7	22.8	22.7	23.1	23.1	23.0	23.0	23.0	23.1	23.5	23.5	23.7		
	2	23.8	23.8	24.1	24.4	24.5	24.4	24.7	24.6	24.5	24.8	24.7	24.8	24.5	24.4	24.7	23.1	23.1	22.9	22.4	22.1	22.0	22.3	22.1	22.3	22.5	22.5	22.6	23.1	23.1	23.2	23.0	23.4	23.0	23.2	23.5	23.4	
	3	24.0	23.8	23.8	24.2	24.3	24.4	24.4	24.7	24.8	24.9	25.0	24.5	24.4	24.6	23.3	23.2	23.2	22.1	22.5	21.8	21.8	22.2	22.4	22.7	22.8	23.2	23.2	22.9	23.0	23.1	23.3	23.6	23.4	23.5	23.5		
	4	24.0	24.0	23.9	24.5	24.3	24.2	24.5	24.7	24.4	25.0	25.1	24.7	24.0	24.3	24.4	23.3	23.3	22.9	22.3	22.4	22.1	22.3	22.4	21.9	23.0	22.6	22.6	23.1	23.4	23.0	23.1	22.8	22.9	23.6	23.5	23.4	
	5	23.7	23.8	23.6	24.5	24.5	24.5	24.6	24.3	24.9	24.9	25.0	25.1	24.7	24.4	24.0	23.2	23.1	23.1	22.4	22.1	22.1	22.4	22.2	22.7	22.8	23.2	23.0	22.8	23.2	23.1	23.1	23.5	23.5	23.7	23.7		
	6	24.2	23.8	23.8	24.4	24.0	24.3	24.6	24.6	24.8	24.8	25.0	24.2	24.3	24.5	22.8	23.1	23.1	22.3	22.0	22.4	22.1	22.0	22.1	22.8	22.6	22.9	23.2	23.2	23.1	23.1	22.9	23.3	23.2	23.3	23.3		
	7	23.9	24.0	23.7	24.5	24.4	24.4	24.9	24.6	24.7	24.8	25.0	24.2	24.5	24.4	23.1	23.1	23.0	22.2	22.1	22.4	22.1	22.3	22.0	22.7	22.8	22.8	23.1	23.3	23.0	23.3	22.9	23.6	23.6	23.7	23.7		
	8	23.6	23.9	23.7	24.2	24.1	24.5	24.5	24.4	24.4	25.0	25.1	24.9	24.5	24.2	24.4	23.1	23.0	23.1	22.4	22.2	22.5	22.2	22.2	22.1	22.9	22.6	22.8	23.3	23.1	23.2	23.0	22.9	23.2	23.7	23.2	23.2	
	9	24.0	23.6	23.6	24.4	24.3	24.6	24.9	24.4	24.4	24.6	25.1	24.7	24.3	24.2	24.5	23.3	23.1	23.1	22.0	22.0	22.1	22.2	22.0	21.9	22.5	22.6	22.8	22.8	23.2	23.2	23.0	22.9	23.1	23.4	23.5	23.5	
	10	24.0	24.1	23.8	24.3	24.2	24.6	24.6	24.8	24.3	24.8	24.8	24.4	24.3	24.5	23.0	23.0	23.2	22.4	22.2	22.2	22.1	22.1	22.2	22.8	22.9	22.6	23.0	23.1	23.3	23.0	23.3	23.6	23.2	23.5	23.5		
	11	23.7	23.8	24.0	24.3	24.4	24.3	24.3	24.6	24.4	24.7	24.8	25.0	24.5	24.5	24.4	23.0	22.9	23.1	22.3	22.5	22.2	22.0	22.2	22.2	22.5	22.6	22.7	22.8	23.1	22.7	23.1	22.8	23.1	23.3	23.1	23.3	
	12	24.0	23.7	24.0	24.7	24.1	24.5	24.6	24.5	24.6	25.1	25.0	25.0	24.3	24.4	24.6	23.2	23.0	23.0	22.1	22.2	22.3	21.9	22.4	22.1	22.9	22.6	22.7	23.1	23.0	23.3	22.7	23.2	23.1	23.5	23.5	23.3	
	13	23.6	23.8	23.9	24.7	24.5	24.3	24.6	24.5	24.4	25.0	24.8	24.8	24.2	24.1	24.0	22.8	23.3	23.2	22.1	22.4	22.3	21.9	22.5	22.6	22.4	22.8	23.2	22.9	23.0	23.2	23.1	23.1	23.3	23.5	23.4	23.4	
	14	23.8	23.9	23.9	24.6	24.5	24.4	24.8	24.9	24.8	24.6	24.9	24.8	24.3	24.4	24.6	23.1	23.0	23.3	22.1	22.1	21.9	22.2	22.9	22.6	22.7	23.2	23.0	23.0	23.1	23.2	23.3	23.5	23.7	23.6	23.6		
	15	23.9	23.7	23.8	24.6	24.4	24.3	24.8	24.5	24.5	25.0	24.9	24.9	24.4	24.4	24.4	23.1	23.4	23.0	22.4	22.4	22.2	22.1	21.9	21.9	22.6	22.6	22.5	23.2	22.9	23.2	23.1	23.3	23.1	23.4	23.2	23.1	
	16	23.9	24.0	23.9	24.5	24.4	24.5	24.8	24.4	24.4	24.8	24.7	25.1	24.5	24.4	24.5	23.3	23.0	22.8	22.5	22.2	21.9	22.1	22.3	22.3	22.8	22.5	22.9	23.0	22.8	23.0	22.9	23.1	23.1	23.5	23.2	23.5	
	17	23.9	23.8	23.9	24.3	24.5	24.3	24.6	24.4	24.6	25.0	24.6	24.8	24.3	24.2	24.5	23.1	23.2	23.0	22.2	22.3	22.4	22.0	22.4	22.0	22.6	22.6	22.9	23.2	22.9	23.1	23.0	23.0	23.2	23.4	23.3	23.3	
	18	23.6	24.0	23.8	24.7	24.5	24.5	24.6	24.6	24.5	24.7	24.9	24.8	24.4	24.7	24.4	23.2	23.2	22.8	22.5	22.2	22.3	22.1	22.0	23.0	22.6	22.6	22.9	23.0	22.8	23.3	22.8	23.2	23.4	23.3	23.3		
	19	23.9	23.9	24.0	24.4	24.6	24.5	24.2	24.6	24.4	24.9	25.0	25.1	24.1	24.1	24.3	23.3	22.9	23.1	22.3	22.4	22.0	21.8	22.2	22.0	22.8	22.4	22.8	23.1	23.1	22.9	23.4	22.9	23.7	23.3	23.4		
	20	23.7	23.6	23.9	24.4	24.8	24.1	24.6	24.8	24.9	24.8	24.5	24.6	24.2	24.5	24.5	22.7	22.9	23.1	22.2	22.4	22.4	22.3	22.1	22.2	22.6	22.5	22.7	23.1	23.3	23.0	22.8	23.1	23.3	23.5	23.5		
	21	23.7	24.1	23.7	24.6	24.4	24.3	24.5	24.7	24.5	25.0	24.7	24.6	24.3	24.4	24.5	23.1	23.1	23.1	22.1	22.5	22.3	21.9	22.2	22.2	22.6	22.7	22.8	23.0	22.8	22.9	23.3	23.1	22.9	23.3	23.4	23.4	23.4
	22	23.8	24.0	24.1	24.1	24.4	24.3	24.5	24.6	24.4	25.0	25.2	24.8	24.2	24.5	24.1	23.1	23.2	23.1	22.0	22.2	22.4	22.4	22.2	22.2	22.6	22.3	22.5	23.0	23.1	22.9	22.8	23.1	23.4	23.1	23.5	23.7	23.7
	23	24.0	23.9	23.7	24.2	24.4	24.2	24.7	24.8	25.0	25.0	24.9	24.3	24.2	24.6	23.1	23.4	23.3	22.3	22.5	22.1	22.3	22.1	22.7	22.7	22.9	22.5	23.2	22.9	23.1	22.9	22.9	23.2	23.4	23.5	23.5	23.5	
	24	24.1	23.8	24.0	24.6	24.5	24.4	24.6	24.7	25.2	24.7	24.7	24.1	24.0	24.3	23.3	22.8	23.1	22.2	22.4	22.2	22.2	22.3	22.2	22.2	22.8	22.8	22.7	23.0	23.1	22.8	23.2	23.2	23.2	23.2	23.3	23.3	
	25	24.1	23.8	24.2	24.3	24.3	24.4	24.9	24.6	24.5	24.7	25.1	25.0	24.0	24.6	24.2	23.0	23.0	22.9	22.5	22.3	22.4	22.3	22.1	22.1	22.7	22.7	22.5	22.8	23.0	23.0	23.1	22.9	23.0	23.5	23.5	23.3	
	26	24.1	24.1	24.0	24.3	24.6	24.4	24.7	24.5	24.5	24.8	24.8	24.6	24.1	24.5	24.4	23.0	22.9	23.2	22.3	22.5	22.3	22.0	22.0	22.3	22.5	22.7	22.7	23.0	23.3	22.7	23.0	23.0	23.1	23.1	23.5	23.5	23.5
	27	23.7	23.8	24.0	24.5	24.5	24.4	24.8	24.5	24.8	24.7	24.8	25.0	24.4	24.2	24.3	23.0	23.0	23.1	22.3	22.3	22.4	22.1	22.1	22.2	22.7	22.7	22.4	22.8	23.1	23.0	22.9	23.0	23.4	23.4	23.3	23.3	23.3
	28	23.6	24.1	23.9	24.3	24.6	24.4	24.4	24.6	24.4	25.0	25.0	24.6	24.6	24.3	24.6	23.1	23.2	23.3	22.3	22.3	22.3	22.0	22.1	22.3	22.3	22.8	22.8	22.8	23.0	23.1	22.8	22.7	23.3	23.4	23.3	23.6</td	

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Buena Fe	1	24.3	24.1	24.2	24.6	24.7	24.7	24.9	25.0	25.1	25.3	25.0	25.0	24.5	24.5	24.8	23.7	23.6	23.5	22.9	22.8	22.6	22.7	22.8	22.7	23.0	23.0	23.0	23.0	23.2	23.2	23.5	23.6	23.7	23.6	23.7		
	2	24.2	24.4	24.3	24.6	24.7	24.7	25.0	24.8	24.9	24.9	25.0	24.9	24.7	24.8	24.7	23.8	23.5	23.6	22.7	22.8	22.7	22.7	22.7	22.6	22.8	23.0	22.8	23.2	23.0	23.3	23.1	23.2	23.4	23.5	23.6	23.7	
	3	24.5	24.3	24.4	24.7	24.9	24.8	24.7	25.0	24.9	25.0	25.1	25.1	24.5	24.5	24.7	23.7	23.5	23.5	22.5	22.8	22.7	22.6	22.6	22.7	23.0	23.0	23.0	23.3	23.3	23.3	23.5	23.3	23.8	23.7	23.6		
	4	24.2	24.4	24.4	24.9	24.8	24.8	25.0	25.0	24.7	24.8	25.1	25.1	24.5	24.5	24.6	23.5	23.6	23.6	23.0	22.5	22.6	23.0	22.8	22.6	22.9	22.8	23.0	23.2	23.2	23.1	23.2	23.1	23.4	23.8	23.4	23.5	23.5
	5	24.2	24.0	24.1	24.8	24.7	24.8	25.0	24.8	25.1	25.1	25.2	25.1	24.9	24.6	24.4	23.6	23.7	23.4	22.5	22.6	22.8	22.6	22.9	22.9	22.9	23.3	23.1	23.1	23.3	23.4	23.4	23.7	23.5	23.8	23.8		
	6	24.4	24.2	24.2	24.6	24.6	24.8	24.9	24.7	24.8	25.0	25.1	25.0	24.5	24.5	24.5	23.5	23.5	23.7	22.5	22.7	22.8	22.6	22.7	22.9	23.1	23.0	22.9	23.1	23.3	23.2	23.2	23.3	23.4	23.6	23.7	23.5	
	7	24.2	24.1	24.2	24.9	24.7	24.8	25.0	25.0	24.7	24.9	25.1	25.0	24.4	24.7	24.8	23.6	23.7	23.5	22.7	22.6	22.6	22.7	22.6	22.8	23.1	23.0	22.9	23.4	23.1	23.3	23.1	23.5	23.1	23.6	23.8	23.7	
	8	24.2	24.2	24.0	24.7	24.7	24.6	24.7	24.8	24.8	24.8	25.1	25.1	24.6	24.5	24.6	23.5	23.5	23.6	22.9	22.8	22.8	22.7	22.6	23.1	23.2	23.1	23.2	23.1	23.5	23.1	23.6	23.8	23.6	23.6			
	9	24.3	24.1	24.1	24.8	24.6	24.8	25.1	24.7	24.8	24.8	25.0	24.9	24.6	24.5	24.7	23.5	23.5	23.6	22.7	22.5	22.5	22.8	22.7	22.8	23.0	22.9	23.0	23.0	23.2	23.3	23.1	23.2	23.5	23.8	23.6		
	10	24.2	24.3	24.1	24.6	24.7	24.9	25.0	24.8	24.8	25.1	25.0	24.9	24.6	24.6	24.8	23.6	23.6	23.6	22.8	22.7	22.6	22.7	22.7	23.1	23.2	23.0	23.1	23.4	23.3	23.0	23.3	23.3	23.7	23.7	23.7		
	11	24.1	24.3	24.4	24.7	24.7	24.7	24.8	25.0	25.0	25.1	25.0	24.9	24.5	24.5	24.5	23.7	23.7	23.8	23.6	22.8	22.9	22.6	22.7	22.7	22.8	23.1	23.1	22.9	23.4	23.0	23.3	23.3	23.6	23.6	23.7		
	12	24.2	24.2	24.2	24.8	24.6	24.6	25.0	24.8	25.0	25.2	25.1	25.0	24.7	24.6	24.6	23.6	23.5	23.6	22.8	22.7	23.0	22.7	22.8	22.7	23.0	22.9	22.9	23.0	23.1	23.3	23.4	23.6	23.8	23.7			
	13	24.1	24.1	24.2	24.7	25.0	24.8	24.8	24.9	24.6	25.0	25.1	24.9	24.5	24.5	24.4	23.4	23.8	23.7	22.5	22.7	22.7	22.7	23.0	23.0	22.8	23.0	23.3	23.3	23.2	23.2	23.2	23.6	23.7	23.6			
	14	24.2	24.3	24.2	24.7	24.7	24.8	24.9	25.0	25.1	24.9	25.1	24.9	24.4	24.5	24.8	23.7	23.6	23.7	22.8	22.9	22.4	22.6	22.5	22.8	23.2	23.0	23.1	23.0	23.3	23.3	23.2	23.5	23.6	23.7	23.9		
	15	24.2	24.2	24.0	24.7	24.8	24.6	24.9	24.9	25.0	25.1	25.0	25.1	24.7	24.6	24.6	23.4	23.7	23.4	22.9	22.5	22.6	22.6	22.6	23.1	22.9	23.0	23.3	23.3	23.1	23.4	23.5	23.4	23.8	23.5	23.6		
	16	24.1	24.0	24.3	24.7	24.8	24.7	25.0	24.9	24.9	25.1	25.1	25.0	24.6	24.7	24.7	23.7	23.7	23.7	23.6	22.9	22.9	22.5	22.6	22.8	22.6	23.2	22.9	23.2	23.2	23.1	23.3	23.4	23.3	23.5	23.7	23.8	
	17	24.0	24.3	24.2	24.9	24.6	24.6	24.7	24.8	24.9	24.9	25.0	24.8	24.7	24.5	24.6	23.8	23.5	23.6	22.9	22.9	22.7	22.6	22.8	22.6	22.8	23.0	23.1	23.3	23.2	23.1	23.2	23.5	23.1	23.6	23.7	23.7	
	18	24.1	24.3	24.1	24.8	24.9	24.9	25.0	24.7	25.0	25.1	25.0	25.2	24.4	24.8	24.6	23.5	23.5	23.7	23.6	22.8	22.9	22.7	22.6	22.6	22.8	23.2	23.1	23.1	23.1	22.9	23.3	23.3	23.2	23.7	23.9	23.5	
	19	24.3	24.4	24.2	24.9	24.9	24.7	24.6	25.1	24.7	24.8	25.1	25.0	24.6	24.4	24.6	23.6	23.7	23.6	22.5	22.6	22.7	22.6	22.9	22.6	23.2	22.9	23.2	23.0	23.4	23.2	23.1	23.4	23.2	24.0	23.6	23.5	
	20	24.0	23.9	24.2	24.7	25.0	24.8	24.9	25.1	25.0	25.0	25.0	24.9	24.5	24.3	24.5	23.5	23.5	23.5	22.8	22.8	22.7	22.9	22.8	22.8	23.0	23.0	23.0	23.2	23.2	23.0	23.1	23.7	23.5	23.8			
	21	24.1	24.3	24.1	24.9	24.8	24.6	24.9	25.1	25.1	25.2	25.0	24.8	24.8	24.6	23.6	23.8	23.6	22.6	22.8	22.7	22.7	22.8	22.8	23.0	22.9	23.2	23.1	23.0	23.3	23.3	23.5	23.7	23.7				
	22	24.0	24.1	24.4	24.6	24.8	24.7	25.1	24.9	24.8	25.1	25.3	25.1	24.6	24.7	24.6	23.7	23.7	23.5	23.7	22.5	22.7	22.6	22.7	22.8	22.9	22.9	22.8	23.0	23.3	23.1	23.0	23.5	23.3	23.5	23.7	23.8	
	23	24.2	24.2	24.2	24.5	24.5	24.9	24.8	25.1	25.1	24.9	25.1	24.5	24.7	24.7	23.5	23.7	23.7	23.6	22.5	22.7	22.8	22.5	22.7	22.6	23.1	23.2	22.8	23.2	23.1	23.4	23.3	23.4	23.7	23.6	23.8		
	24	24.2	24.1	24.1	24.8	24.7	24.8	24.8	24.9	25.1	24.8	24.8	24.4	24.5	24.8	23.9	23.7	23.7	23.9	22.6	22.7	22.8	22.6	23.0	23.1	23.0	23.2	23.1	23.3	23.3	23.4	23.2	23.6	23.6	23.7			
	25	24.4	24.0	24.2	24.6	24.6	24.6	25.0	24.9	25.0	25.0	25.0	24.5	24.7	24.8	23.7	23.7	23.6	23.4	22.6	22.6	22.7	22.6	22.8	22.8	23.0	23.0	22.7	23.3	23.0	23.3	23.3	23.4	23.2	23.8	23.6	23.7	
	26	24.3	24.2	24.3	24.8	24.8	24.7	25.0	25.0	25.0	24.9	25.3	24.9	24.4	24.6	24.5	23.4	23.5	23.5	22.8	22.7	22.7	22.9	22.8	22.8	23.0	23.0	22.9	22.9	23.2	23.0	23.3	23.3	23.5	23.5	23.5		
	27	24.1	24.2	24.4	24.8	24.8	24.8	25.0	25.0	25.1	24.9	24.9	25.0	24.5	24.4	24.5	23.6	23.6	23.7	23.6	22.7	22.7	22.7	22.6	22.8	22.8	23.1	23.1	23.3	23.2	23.2	23.3	23.2	23.6	23.6	23.6		
	28	24.1	24.2	24.1	24.6	25.0	24.8	24.9	25.1	24.9	25.1	25.1	24.6	24.8	24.8	23.6	23.5	23.8	22.8	22.8	22.6	22.6	22.7	22.7	23.0	23.0	23.0	23.3	23.4	23.1	23.3	23.2	23.4	23.7	23.5	23.7		
	29	24.3	24.1	24.2	24.7	24.7	24.9	25.0	25.0	24.9	24.8	25.0	25.0	24.5	24.6	24.6	23.5																					

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
LosAngeles	1	23.7	23.6	23.7	24.0	24.3	24.3	24.4	24.4	24.8	24.7	24.3	24.7	23.8	24.1	24.4	23.6	23.4	23.1	22.8	22.4	22.0	22.4	22.5	22.5	22.4	22.4	22.5	22.2	22.4	22.5	23.0	22.7	22.5	23.0			
	2	23.6	23.8	23.8	24.0	24.2	24.4	24.6	24.3	24.5	24.4	24.5	24.3	24.1	24.2	24.3	23.7	23.1	23.4	22.4	22.6	22.4	22.1	22.4	22.1	22.3	22.6	22.2	22.1	22.4	22.2	22.3	22.7	22.6	22.7	22.9		
	3	24.0	23.8	24.1	24.4	24.6	24.4	24.3	24.6	24.5	24.6	24.6	24.7	24.1	23.9	24.3	23.3	23.0	23.2	22.3	22.6	22.2	22.3	22.1	22.1	22.5	22.5	22.7	22.8	22.1	22.3	22.8	22.4	23.2	23.0	22.8		
	4	23.6	23.9	23.9	24.8	24.5	24.5	24.5	24.3	24.3	24.2	24.7	24.6	24.2	24.0	24.1	22.9	23.2	23.2	22.8	21.9	22.4	22.7	22.5	22.4	22.3	22.2	22.5	22.7	22.4	22.3	22.3	22.4	22.2	22.6	23.2	22.4	22.5
	5	23.7	23.4	23.7	24.3	24.2	24.3	24.7	24.3	24.6	24.9	24.7	24.5	24.5	24.1	24.0	23.2	23.6	23.0	22.1	22.1	22.2	22.4	22.1	22.3	22.4	22.4	22.6	22.4	22.7	22.7	22.8	22.6	22.8	22.8	22.6	22.8	
	6	23.7	23.7	23.9	24.0	24.2	24.5	24.4	24.2	24.1	24.6	24.7	24.3	24.0	24.2	24.1	23.3	23.0	23.4	21.9	22.3	22.5	22.2	22.4	22.6	22.6	22.3	22.6	22.8	22.3	22.4	22.5	22.9	22.8	23.0	22.7		
	7	23.5	23.4	23.8	24.8	24.1	24.5	24.7	24.8	24.1	24.2	24.6	24.4	23.9	24.2	24.4	23.3	23.5	23.2	22.4	22.0	22.0	22.6	22.3	22.2	22.7	22.5	22.2	22.9	22.5	22.6	22.2	22.7	22.3	22.6	23.0	22.8	
	8	23.8	23.7	23.6	24.3	24.4	24.1	24.1	24.3	24.3	24.1	24.5	24.8	24.2	24.2	24.2	23.1	23.3	23.3	22.6	22.3	22.4	22.5	22.2	22.0	22.6	22.9	22.7	22.4	22.0	22.5	22.1	22.8	22.2	22.9	23.0	22.9	
	9	23.8	23.5	23.7	24.6	24.4	24.3	24.8	24.1	24.5	24.2	24.5	24.4	24.2	24.0	24.3	23.0	23.0	23.4	22.3	21.9	22.0	22.5	22.4	22.6	22.4	22.3	22.3	22.1	22.6	22.6	22.1	22.4	22.7	23.1	22.7		
	10	23.7	23.8	23.8	24.1	24.4	24.5	24.6	24.4	24.2	24.7	24.5	24.2	24.1	24.0	24.5	23.5	23.4	23.2	22.4	22.5	22.1	22.7	22.2	22.2	22.6	22.8	22.2	22.4	22.6	22.2	22.4	22.5	22.8	22.9	22.9		
	11	23.5	24.0	23.8	24.5	24.3	24.4	24.4	24.5	24.6	24.7	24.7	24.0	23.9	23.9	24.1	23.5	23.7	23.1	22.3	22.5	22.1	22.4	22.4	22.3	22.3	22.7	22.5	22.2	22.8	22.3	22.4	22.7	22.2	22.9	22.8		
	12	23.6	23.7	23.7	24.1	24.0	24.0	24.6	24.2	24.8	24.6	24.7	24.6	24.4	24.0	24.2	23.0	23.1	23.4	22.5	22.3	22.8	22.3	22.3	22.3	22.4	22.2	22.0	22.4	22.5	22.5	22.8	23.0	23.2	22.9			
	13	23.6	23.5	23.7	24.1	24.8	24.5	24.2	24.6	24.1	24.5	24.7	24.5	24.0	24.0	24.0	23.1	23.6	23.4	22.0	22.4	22.4	22.4	22.7	22.6	22.3	22.4	22.7	22.7	22.5	22.3	22.4	22.6	23.0	22.9			
	14	23.8	23.9	23.7	24.2	24.3	24.4	24.1	24.5	24.9	24.3	24.8	24.4	23.9	23.8	24.3	23.4	23.4	23.5	22.6	22.7	22.0	22.2	22.0	22.5	22.8	22.4	22.5	22.1	22.4	22.9	22.6	22.2	22.6	22.8	23.2		
	15	23.7	23.6	23.4	24.1	24.5	24.2	24.4	24.5	24.6	24.8	24.4	24.8	24.2	24.4	23.9	23.0	23.2	23.1	22.5	21.9	22.0	22.7	22.3	22.2	22.9	22.3	22.4	22.9	23.0	22.5	22.7	22.8	22.6	23.1	22.6	22.9	
	16	23.4	23.4	23.8	24.1	24.5	24.5	24.4	24.3	24.4	24.6	24.6	24.3	24.0	24.3	24.2	23.3	23.6	23.4	22.4	22.8	22.1	22.1	22.6	22.1	22.7	22.4	22.6	22.5	22.6	22.4	22.5	22.8	22.3	22.7	23.0	23.1	
	17	23.2	23.9	23.5	24.6	24.2	24.3	24.1	24.4	24.5	24.2	24.4	24.2	24.1	24.0	24.0	23.6	23.0	23.3	22.6	22.5	22.3	22.5	22.1	22.3	22.5	22.7	22.9	22.4	22.4	22.5	22.9	22.4	22.8	23.0	23.1		
	18	23.6	23.7	23.8	24.3	24.7	24.7	24.6	24.2	24.2	24.6	24.5	24.8	23.9	24.3	24.2	23.0	23.4	23.4	22.2	22.7	22.3	22.2	22.1	22.4	22.9	22.7	22.5	22.4	22.4	22.1	22.4	22.6	22.3	22.9	23.1	22.6	
	19	23.8	24.0	23.6	24.4	24.4	24.2	24.1	24.7																													
	20	23.5	23.3	23.5	24.3	24.7	24.5	24.6	24.8	24.5	24.6	24.5	24.6	23.9	23.8	24.1	23.4	23.3	23.1	22.4	22.4	22.5	22.5	22.4	22.4	22.4	22.4	22.5	22.5	22.4	22.4	22.8	22.2	22.9	22.7	23.0		
	21	23.5	23.9	23.7	24.6	24.5	24.0	24.6	24.5	24.8	24.7	24.4	24.3	24.5	24.5	24.3	23.4	23.6	23.5	22.1	22.4	22.4	22.7	22.6	22.3	22.5	22.5	22.2	22.7	22.5	22.1	22.4	22.7	22.5	22.7	22.9		
	22	23.5	23.4	24.0	24.3	24.5	24.4	24.9	24.6	24.4	24.9	24.7	24.7	24.4	24.2	24.4	23.5	23.0	23.5	22.3	22.3	22.2	22.4	22.6	22.3	22.2	22.6	22.7	22.5	22.1	22.3	22.8	22.5	22.6	22.9	23.0		
	23	23.6	23.6	23.6	24.0	24.0	24.7	24.2	24.4	24.9	24.6	24.2	24.6	24.0	24.4	24.2	22.9	23.5	23.2	22.1	22.4	22.5	22.2	22.3	22.2	22.6	22.8	22.3	22.5	22.6	22.7	22.6	22.9	22.8	23.0			
	24	23.8	23.6	23.5	24.4	24.3	24.6	24.1	24.4	24.5	24.6	24.4	24.3	24.1	24.1	24.4	23.7	23.5	23.8	22.3	22.1	22.5	22.2	22.7	22.8	22.6	22.8	22.3	22.5	22.8	22.6	22.7	22.1	22.8	22.9	23.0		
	25	23.9	23.3	23.4	24.1	24.3	24.2	24.6	24.7	24.4	24.7	24.5	24.5	24.2	24.2	24.5	23.5	23.5	23.1	22.2	22.0	22.3	22.2	22.3	22.5	22.4	22.6	22.0	22.7	22.3	22.7	22.4	22.8	22.2	23.1	22.6	23.1	
	26	23.7	23.4	23.7	24.5	24.4	24.3	24.5	24.8	24.6	24.2	25.0	24.4	24.0	24.0	23.9	23.0	23.1	23.2	22.3	22.1	22.2	22.6	22.4	22.2	22.7	22.4	22.5	22.6	22.4	22.5	22.2	22.4	22.6	22.6	22.8	22.5	
	27	23.3	23.6	23.9	24.3	24.3	24.4	24.8	24.5	24.3	24.4	24.5	24.0	24.0	23.9	23.3	23.4	23.2	22.3	22.5	22.4	22.4	22.2	22.4	22.1	22.8	22.9	22.5	22.5	22.7	22.7	22.3	22.5	22.4	22.8	22.6	22.7	
	28	23.6	23.6	23.5	24.0	24.7	24.4	24.6	24.6	24.9	24.6	24.5	24.7	24.1	24.3	24.5	23.3	23.1	23.5	22.4	22.2	22.4	22.3	22.7	22.7	22.5	22.9	22.4	22.8	22.8	22.6	22.6	22.8	22.6	22.7	22.9	22.9	
	29	23.8	23.5	23.7	24.3	24.6	24.6	24.3	24.2	24.4	24.5	24.5	24.4	24.0	24.1	23.9	23.3	23.5	23.0	22.2	22.0	22.4	22.5	22.4	22.4	22.7	22.6	22.6	22.4	22.4	22.6	22.5	22.5	22.2	22.7	22.9	22.9	
	30	23.8	23.8	23.6	24.3	24.3	24.3	24.5	24.2	24.5																												

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																					
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
El Copal	1	23.5	23.4	23.5	23.9	24.0	24.0	24.2	24.3	24.5	24.5	24.2	24.5	23.7	24.0	24.2	23.4	23.2	23.0	22.5	22.3	22.0	22.3	22.3	22.4	22.4	22.4	22.3	22.3	22.4	22.2	22.6	22.8	22.6	22.5	22.9	
	2	23.4	23.5	23.6	23.9	24.0	24.1	24.4	24.2	24.3	24.2	24.3	24.2	24.0	24.1	24.2	23.4	23.0	23.1	22.3	22.4	22.3	22.1	22.3	22.1	22.2	22.5	22.2	22.4	22.2	22.3	22.5	22.5	22.6	22.8		
	3	23.7	23.5	23.7	24.1	24.3	24.1	24.1	24.3	24.3	24.4	24.5	24.5	24.0	23.8	24.1	23.1	23.0	23.1	22.2	22.4	22.1	22.2	22.0	22.1	22.1	22.4	22.4	22.6	22.6	22.1	22.4	22.7	23.0	22.8	22.7	
	4	23.4	23.6	23.6	24.4	24.2	24.2	24.3	24.1	24.1	24.1	24.5	24.4	24.0	23.9	24.0	22.9	23.1	23.0	22.6	22.0	22.2	22.5	22.4	22.2	22.3	22.2	22.4	22.6	22.4	22.3	22.4	22.5	23.0	22.4	22.5	
	5	23.4	23.3	23.4	24.1	24.0	24.1	24.4	24.1	24.4	24.6	24.5	24.3	24.3	24.0	23.9	23.1	23.4	22.9	22.0	22.1	22.1	22.3	22.1	22.3	22.4	22.4	22.5	22.4	22.5	22.6	22.6	22.8	22.6	22.8		
	6	23.5	23.5	23.6	23.9	24.0	24.3	24.2	24.1	24.1	24.4	24.5	24.2	23.9	24.0	24.0	23.1	22.9	23.2	21.9	22.1	22.4	22.1	22.3	22.5	22.5	22.4	22.3	22.5	22.5	22.3	22.4	22.4	22.7	22.7	22.8	22.6
	7	23.3	23.3	23.5	24.4	24.0	24.2	24.5	24.5	24.0	24.1	24.4	24.3	23.8	24.0	24.2	23.1	23.3	23.0	22.3	22.0	22.0	22.4	22.3	22.1	22.5	22.4	22.3	22.6	22.6	22.3	22.6	22.6	22.9	22.7		
	8	23.4	23.4	23.4	24.0	24.1	24.0	24.0	24.1	24.1	24.1	24.4	24.5	24.1	24.0	24.0	23.0	23.1	23.1	22.5	22.2	22.3	22.4	22.2	22.0	22.5	22.6	22.6	22.4	22.1	22.5	22.2	22.7	22.3	22.7	22.7	
	9	23.5	23.3	23.5	24.3	24.1	24.2	24.5	24.0	24.3	24.1	24.3	24.2	24.0	23.9	24.1	23.0	23.0	23.2	22.2	21.9	22.0	22.4	22.3	22.4	22.3	22.2	22.2	22.4	22.5	22.2	22.3	22.6	23.0	22.7		
	10	23.5	23.6	23.5	23.9	24.1	24.3	24.3	24.2	24.0	24.5	24.3	24.1	23.9	23.9	24.3	23.2	23.1	23.1	22.3	22.3	22.0	22.5	22.1	22.1	22.5	22.6	22.2	22.4	22.7	22.5	22.3	22.4	22.5	22.7	22.8	
	11	23.3	23.6	23.5	24.2	24.1	24.1	24.2	24.3	24.3	24.4	24.4	24.0	23.8	23.8	24.0	23.3	23.4	23.0	22.3	22.4	22.1	22.2	22.3	22.3	22.2	22.5	22.4	22.2	22.7	22.7	22.3	22.5	22.3	22.8	22.7	22.7
	12	23.3	23.4	23.5	24.0	23.9	23.9	24.4	24.1	24.5	24.5	24.4	24.4	24.1	23.9	24.1	23.0	23.0	23.2	22.3	22.2	22.5	22.2	22.3	22.3	22.3	22.1	22.4	22.4	22.5	22.7	22.9	23.0	22.7			
	13	23.3	23.2	23.4	23.9	24.5	24.3	24.1	24.4	24.0	24.4	24.5	24.3	23.9	23.9	23.8	23.0	23.4	23.3	22.0	22.3	22.3	22.4	22.2	22.6	22.5	22.3	22.6	22.6	22.4	22.5	22.9	22.8				
	14	23.5	23.6	23.5	24.0	24.1	24.1	24.0	24.4	24.6	24.1	24.6	24.2	23.8	23.8	24.1	23.2	23.2	23.3	22.4	22.5	22.0	22.1	22.0	22.3	22.6	22.3	22.4	22.2	22.7	22.5	22.3	22.6	22.7	23.0		
	15	23.5	23.4	23.3	24.0	24.2	24.0	24.2	24.3	24.6	24.3	24.5	24.1	24.2	23.9	22.9	23.1	23.0	22.4	21.9	22.0	22.5	22.1	22.1	22.7	22.2	22.3	22.7	22.7	22.5	22.6	22.9	22.6	22.7			
	16	23.3	23.2	23.5	23.9	24.2	24.2	24.2	24.1	24.2	24.4	24.4	24.2	23.9	24.1	24.1	23.2	23.3	23.1	22.3	22.5	22.1	22.1	22.4	22.1	22.5	22.3	22.5	22.4	22.4	22.6	22.3	22.7	22.8	23.0		
	17	23.1	23.5	23.3	24.3	24.0	24.0	24.0	24.2	24.4	24.1	24.2	24.1	24.0	23.9	24.0	23.4	22.9	23.1	22.4	22.3	22.2	22.4	22.0	22.2	22.3	22.4	22.5	22.6	22.4	22.7	22.8	22.9	22.9			
	18	23.4	23.4	23.5	24.1	24.4	24.3	24.4	24.1	24.4	24.4	24.5	24.5	23.9	24.1	24.0	23.0	23.0	23.2	23.1	22.2	22.5	22.2	22.1	22.2	22.2	22.7	22.5	22.4	22.4	22.4	22.1	22.4	22.3	22.7	22.7	22.6
	19	23.5	23.7	23.3	24.1	24.2	24.0	24.0	24.5	24.1	24.0	24.5	24.3	23.9	23.8	24.0	23.1	23.1	23.1	22.1	22.0	22.0	22.1	22.4	22.0	22.6	22.3	22.3	22.6	22.4	22.5	22.3	23.1	22.6	22.5		
	20	23.3	23.1	23.3	24.1	24.1	24.3	24.5	24.3	24.3	24.5	24.4	24.4	23.8	23.7	24.0	23.1	23.1	23.0	22.3	22.3	22.4	22.1	22.4	22.3	22.2	22.3	22.3	22.4	22.5	22.4	22.3	22.6	22.2	22.7	22.6	
	21	23.3	23.6	23.4	24.3	24.3	23.9	24.4	24.3	24.5	24.5	24.2	24.2	24.3	24.1	23.2	23.4	23.2	23.2	22.0	22.3	22.3	22.5	22.4	22.2	22.2	22.4	22.2	22.5	22.4	22.1	22.3	22.3	22.6	22.4	22.8	
	22	23.2	23.3	23.7	24.0	24.2	24.1	24.6	24.4	24.2	24.6	24.5	24.4	24.2	24.1	24.1	23.2	23.0	23.2	22.2	22.2	22.1	22.1	22.3	22.4	22.3	22.1	22.4	22.5	22.2	22.3	22.7	22.5	22.6	22.7	22.9	
	23	23.4	23.4	23.4	23.9	23.9	24.3	24.1	24.2	24.6	24.4	24.1	24.4	23.9	24.2	24.1	22.9	23.3	23.1	22.1	22.3	22.3	22.1	22.3	22.1	22.5	22.7	22.2	22.5	22.5	22.5	22.4	22.8	22.7	22.9		
	24	23.6	23.4	23.3	24.1	24.1	24.3	24.0	24.2	24.3	24.5	24.2	24.2	24.0	23.9	24.1	23.4	23.2	23.5	22.2	22.1	22.4	22.1	22.6	22.6	22.5	22.6	22.6	22.3	22.5	22.6	22.2	22.7	22.8			
	25	23.6	23.2	23.3	23.9	24.1	24.0	24.4	24.4	24.2	24.4	24.4	24.3	23.9	24.0	24.2	23.2	23.2	23.0	22.1	22.0	22.2	22.1	22.2	22.3	22.4	22.5	22.1	22.5	22.3	22.6	22.4	22.6	22.9	22.9		
	26	23.5	23.3	23.5	24.2	24.2	24.0	24.3	24.5	24.4	24.1	24.7	24.3	23.9	23.9	23.8	22.9	22.9	23.0	22.2	22.1	22.1	22.4	22.3	22.2	22.5	22.4	22.4	22.5	22.5	22.5	22.5	22.4	22.6	22.6	22.5	
	27	23.2	23.4	23.6	24.1	24.0	24.0	24.2	24.5	24.3	24.2	24.2	24.4	24.0	23.9	23.8	23.1	23.2	23.1	22.2	22.3	22.4	22.3	22.2	22.3	22.3	22.1	22.6	22.7	22.4	22.6	22.5	22.3	22.5	22.4	22.6	
	28	23.3	23.4	23.3	23.9	24.4	24.1	24.3	24.4	24.5	24.4	24.4	24.4	24.0	24.1	24.2	23.2	23.0	23.3	22.2	22.3	22.1	22.3	22.2	22.5	22.5	22.7	22.7	22.4	22.6	22.6	22.7	22.8	22.7	22.8		
	29	23.5	23.3	23.4	24.1	24.3	24.3	24.2	24.1	24.2	24.3	24.3	24.3	23.9	24.0	23.9	23.1	23.3	23.0	22.1	22.0	22.2	22.3	22.2	22.2	22.5	22.5	22.5	22.4	22.2	22.6	22.5	22.4	22.2	22.6	22.7	
	30	23.																																			

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Baba	1	25.3	25.4	25.8	25.7	25.8	25.8	26.1	26.2	26.3	26.5	26.2	26.3	26.0	25.8	25.8	24.2	24.5	24.3	23.3	23.5	23.3	23.2	23.1	23.4	23.7	23.7	23.9	24.3	24.4	24.1	24.2	24.4	24.5	25.0	25.1	25.1	
	2	25.4	25.3	25.4	25.8	25.9	25.9	26.1	26.3	26.2	26.2	26.3	26.2	25.9	25.8	25.5	24.0	24.3	24.5	23.2	23.3	23.1	23.1	23.3	23.4	23.9	23.8	23.9	24.5	24.1	24.1	24.4	24.3	24.3	25.1	25.1	25.1	
	3	25.4	25.5	25.4	25.7	25.6	25.6	26.2	26.1	26.1	26.4	26.5	26.4	25.5	25.8	25.6	24.6	24.4	24.5	23.5	23.1	23.3	23.6	23.2	23.1	23.7	23.5	23.8	24.2	24.2	24.1	24.3	24.3	24.5	25.0	24.8	24.8	
	4	25.1	25.2	25.5	25.7	25.9	25.8	26.0	26.1	26.3	26.2	26.1	26.0	25.6	25.9	25.7	24.3	24.3	24.3	23.4	23.3	23.3	23.0	23.1	23.1	24.0	24.0	23.8	24.3	24.0	24.2	24.4	24.1	24.1	25.1	25.1	24.9	
	5	25.6	25.4	25.5	25.8	25.7	26.0	26.0	26.2	26.2	26.3	26.3	26.4	25.7	25.6	25.5	24.5	24.3	24.4	23.2	23.4	23.2	23.1	23.2	23.4	23.7	24.0	23.8	24.3	24.1	24.4	24.3	24.5	25.1	25.1	25.2		
	6	25.2	25.4	25.7	26.0	25.5	25.8	26.2	26.2	26.1	26.1	26.3	26.2	25.6	25.7	25.8	24.5	24.3	24.5	23.1	23.5	23.3	23.3	23.3	23.6	23.7	24.0	24.3	24.0	24.3	24.4	24.4	25.0	25.1	25.1			
	7	25.4	25.5	25.2	25.6	25.9	25.7	26.0	26.0	26.2	26.1	26.0	26.0	25.6	25.7	25.5	24.2	24.3	24.3	23.2	23.5	23.5	23.3	23.1	23.4	23.8	24.0	23.8	24.4	24.1	24.2	24.2	24.3	24.2	24.9	25.0	25.0	
	8	25.6	25.6	25.5	25.7	25.9	25.7	26.0	26.1	25.9	26.1	26.3	26.3	25.8	25.7	25.9	24.2	24.4	24.2	23.2	23.4	23.1	23.1	23.3	23.4	23.6	24.0	23.9	24.3	24.1	24.2	24.1	24.3	24.9	25.0	25.1		
	9	25.3	25.4	25.5	25.7	25.9	25.6	26.2	26.1	26.1	26.4	25.9	26.5	25.8	25.7	25.8	24.3	24.4	24.5	23.4	23.0	23.5	23.0	23.1	23.4	23.5	23.5	23.7	24.3	23.9	24.4	24.6	24.3	24.3	25.0	25.3	25.0	
	10	25.3	25.2	25.8	25.6	25.7	25.8	26.0	26.3	26.2	26.3	26.3	26.4	25.7	25.8	25.5	24.4	24.5	24.5	23.4	23.4	23.3	23.3	23.1	23.6	23.8	23.9	24.0	24.2	24.3	24.3	24.5	24.3	25.0	25.2	25.1		
	11	25.3	25.3	25.6	25.7	25.8	25.7	26.3	25.9	26.1	26.2	26.5	26.0	25.8	25.9	25.9	24.5	24.0	24.7	23.4	23.4	23.3	23.3	23.0	23.8	23.6	23.6	24.4	24.2	24.2	24.5	24.2	24.4	24.8	25.1	24.9		
	12	25.3	25.4	25.3	25.8	25.6	25.9	26.2	26.0	26.3	26.2	26.0	26.1	25.6	25.9	25.8	24.6	24.5	24.1	23.2	23.5	23.3	23.2	23.4	23.4	23.9	24.0	23.9	24.2	24.1	24.3	24.5	24.1	24.2	24.9	24.8	25.0	
	13	25.5	25.4	25.6	25.7	25.7	25.7	26.0	26.2	25.9	26.1	26.3	26.2	25.8	25.7	25.7	24.5	24.6	24.5	23.2	23.2	23.4	23.3	23.4	23.5	24.0	24.0	23.8	24.2	24.2	24.0	24.3	24.4	24.3	25.1	25.2	25.0	
	14	25.6	25.4	25.6	25.6	25.6	25.7	25.8	26.0	26.0	26.3	26.1	26.3	26.3	25.6	25.5	25.7	24.4	24.2	24.3	23.5	23.3	23.5	23.1	23.0	23.1	23.5	23.7	23.5	24.3	24.0	24.1	24.4	24.4	25.1	25.0	25.2	
	15	25.3	25.5	25.6	25.6	25.9	25.8	26.2	26.2	26.3	26.2	26.3	26.3	25.9	25.4	25.6	24.5	24.5	24.4	23.4	23.3	23.4	23.2	23.2	23.2	23.9	23.7	23.9	24.3	24.1	24.1	24.3	24.6	24.2	25.0	25.1	25.0	
	16	25.8	25.4	25.4	25.6	25.9	26.0	26.3	26.0	26.2	26.2	26.3	26.1	25.9	25.7	25.8	24.3	24.6	24.4	23.1	23.1	23.4	23.3	23.0	23.3	23.6	23.8	23.7	24.1	24.0	24.1	24.3	24.4	24.0	24.9	24.9	24.9	
	17	25.5	25.5	25.7	25.7	25.8	25.8	26.1	26.0	26.3	26.4	26.1	26.2	25.9	26.0	25.7	24.6	24.5	24.4	23.3	23.5	23.3	23.1	23.6	24.0	23.8	24.0	24.3	24.4	24.5	24.4	24.3	25.1	25.0	25.1			
	18	25.3	25.3	25.4	25.6	25.7	25.7	26.1	26.1	26.2	26.2	26.4	26.4	25.7	25.6	25.7	24.5	24.3	24.3	23.2	23.3	23.4	23.3	23.3	23.8	23.8	23.8	24.3	24.2	24.4	24.7	24.3	24.2	24.9	25.0	25.1		
	19	25.5	25.5	25.5	25.7	25.7	25.5	26.0	26.4	26.2	26.2	26.2	26.4	26.0	25.6	25.7	24.2	24.2	24.6	23.3	23.4	23.1	23.2	23.3	23.4	23.6	23.7	23.9	24.1	24.3	24.0	24.5	24.6	24.4	24.9	25.1	25.0	
	20	25.7	25.3	25.4	25.9	25.6	25.8	26.1	25.9	26.2	26.3	26.1	25.9	25.6	25.8	24.4	24.3	24.3	23.3	23.2	23.2	23.4	23.0	23.3	23.7	23.5	23.6	24.1	24.5	24.4	24.2	24.4	24.4	25.0	25.2	24.9		
	21	25.4	25.5	25.5	25.7	25.5	25.5	26.3	26.1	26.2	26.1	26.3	26.3	25.8	26.0	25.6	24.7	24.2	24.5	23.4	23.5	23.0	23.2	23.4	23.1	23.7	23.8	23.8	24.1	24.2	24.5	24.5	24.2	25.0	25.1	25.0		
	22	25.3	25.5	25.4	25.8	25.8	25.8	26.2	26.3	26.0	26.4	26.2	26.2	25.6	25.6	25.9	24.9	24.3	24.4	24.7	23.1	23.4	23.3	23.2	23.4	23.3	23.7	23.8	23.9	24.4	24.2	23.9	24.5	24.2	24.4	25.0	25.1	24.9
	23	25.4	25.3	25.4	25.8	25.8	26.0	25.9	26.1	26.1	26.1	26.5	26.0	25.8	25.8	25.8	24.4	24.5	24.2	23.4	23.4	23.1	23.1	23.2	23.8	23.9	23.9	24.5	24.0	24.3	24.3	24.0	24.4	24.8	25.1	25.2		
	24	25.3	25.3	25.6	25.7	25.8	25.8	26.4	26.2	26.1	26.3	26.2	26.2	25.8	25.6	25.6	24.4	24.1	24.3	23.3	23.2	23.4	23.1	23.4	23.1	23.5	23.7	23.9	24.4	24.4	24.0	24.7	24.4	24.5	25.0	25.1	25.1	
	25	25.3	25.4	25.2	25.7	25.9	25.6	26.2	26.3	26.1	26.4	26.1	26.3	25.6	25.6	25.7	24.6	24.5	24.2	23.1	23.2	23.3	23.0	23.7	23.9	23.8	24.1	24.3	24.4	24.1	24.5	24.5	25.0	24.9	25.1			
	26	25.5	25.4	25.5	25.9	25.5	25.7	26.5	26.3	26.4	26.2	26.2	26.5	25.7	25.5	25.7	24.3	24.3	24.5	23.1	23.4	23.5	23.2	23.4	23.4	23.8	23.6	23.8	24.1	24.4	24.3	24.5	24.3	24.3	25.0	25.0	24.9	
	27	25.6	25.5	25.6	25.8	25.7	25.9	26.1	25.9	26.4	26.3	26.2	25.6	25.5	25.6	25.6	24.2	24.4	24.4	23.3	23.4	23.4	23.5	23.4	23.8	23.7	23.8	24.0	24.2	24.2	24.3	24.4	24.3	25.1	25.1	25.0		
	28	25.3	25.5	25.5	25.8	25.8	25.7	26.0	26.1	26.0	26.2	26.2	26.3	25.6	25.8	26.1	24.1	24.4	24.4	24.3	23.4	23.4	23.4	23.4	23.4	23.0	23.2	23.9	23.8	24.0	23.9	24.4	24.4	24.2	24.5	25.1	25.2	25.0
	29	25.6	25.2	25.4	25.9	25.7	25.5	26.1	26.0	26.1	26.2	26.3	26.3	25.8	25.9	25.6	24.4	24.5	24.5	24.2	23.2	23.5	23.1	22.9	23.3	23.9	23.8	23.7	24.1	24.4	24.3	24.6	24.1	24.3	25.2	24.9	25.2	
	30	25.4	25.6	25.3	25.9	25.5	25.6	26.0	26.0	26.3	26.3	26.0	26.3	25.6	25.5	25.6	24.4	24.7	24.5	23.4	23.4	23.3	23.2	23.3	23.9	23.7	23.9	24.1	24									

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																						
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Mocache	1	25.2	25.3	25.4	25.6	25.6	26.0	25.9	26.3	26.1	26.5	26.4	26.2	25.8	25.4	25.7	24.6	24.7	24.3	23.8	23.9	24.1	24.1	24.0	23.9	24.5	24.7	24.2	24.8	24.5	24.7	24.9	25.0	24.9	25.4	25.2	25.0	
	2	25.5	25.7	25.2	25.8	25.8	25.8	26.0	26.1	26.1	26.3	26.2	26.1	25.8	25.8	25.5	24.6	24.4	24.5	23.6	23.8	23.7	24.0	24.1	24.0	24.5	24.4	24.2	24.5	24.6	25.0	24.9	24.7	25.2	25.1	25.3	25.1	
	3	25.6	25.5	25.3	25.9	25.9	25.7	25.9	26.4	26.0	26.4	26.4	26.4	25.7	25.7	25.7	24.5	24.4	24.5	23.7	23.5	23.7	24.2	24.1	24.2	24.5	24.5	24.3	24.7	24.8	25.0	25.0	24.9	24.9	25.3	25.1	25.3	
	4	25.2	25.4	25.6	25.5	25.8	25.9	26.3	26.3	26.0	26.2	26.0	26.2	25.5	25.7	25.5	24.4	24.3	24.3	23.8	23.9	23.8	24.3	23.9	23.8	24.5	24.2	24.6	24.7	24.5	25.0	25.0	24.6	25.1	25.0	25.2	25.3	
	5	25.4	25.3	25.3	26.0	26.0	25.8	26.0	26.3	26.1	26.1	26.1	26.5	25.7	25.9	25.7	24.4	24.2	24.5	23.5	23.9	23.8	24.0	23.9	23.9	24.0	24.4	24.4	24.5	24.6	24.5	24.5	24.7	24.7	25.1	25.2	25.0	25.4
	6	25.4	25.3	25.4	25.7	25.8	25.7	26.1	26.1	26.1	26.3	26.4	26.5	25.5	25.5	24.5	24.8	24.4	23.9	24.0	23.9	23.9	23.9	24.2	24.6	24.4	24.3	24.5	24.8	24.9	24.6	24.8	24.5	25.2	25.3	25.1	25.1	
	7	25.5	25.5	25.1	25.6	26.0	25.8	26.3	26.2	25.9	26.4	26.3	26.1	25.9	25.7	25.6	24.3	24.5	24.3	23.6	23.8	24.0	24.1	24.0	24.2	24.5	24.6	24.6	24.8	24.7	24.8	24.6	24.7	25.0	25.1	25.4	25.1	
	8	25.5	25.5	25.1	25.7	25.9	25.8	25.9	26.1	26.0	26.3	26.3	26.2	25.8	25.7	25.5	24.5	24.5	24.3	23.7	23.8	24.0	24.3	23.9	24.1	24.4	24.5	24.3	25.0	24.4	24.8	24.8	25.1	24.8	25.2	25.1		
	9	25.5	25.3	25.2	25.8	25.5	25.8	26.1	26.2	25.8	26.5	26.0	26.3	25.5	25.5	25.6	24.5	24.4	24.5	23.8	23.6	24.0	24.0	23.8	24.5	24.6	24.6	24.8	25.0	24.5	24.9	24.9	25.0	25.1	25.1			
	10	25.3	25.4	25.3	25.7	25.8	25.8	26.0	26.0	26.3	26.3	26.4	26.3	25.9	25.6	25.5	24.4	24.6	24.5	23.8	23.5	23.8	23.9	24.3	24.0	24.4	24.6	24.7	24.7	24.9	24.8	24.6	25.0	24.9	25.2	25.5	25.1	
	11	25.4	25.2	25.5	25.6	25.8	25.6	26.1	26.1	26.0	26.2	26.2	26.5	25.6	25.7	25.6	24.2	24.5	24.5	23.9	23.9	23.8	23.9	24.0	24.4	24.3	24.4	24.5	24.8	25.0	24.7	24.9	25.0	25.2	25.1	25.3	25.4	
	12	25.3	25.5	25.2	25.9	25.9	25.6	26.2	26.2	25.9	26.5	26.3	26.2	25.8	25.9	25.6	24.6	24.5	24.5	23.8	24.0	24.0	24.3	24.1	24.1	24.6	24.6	24.4	24.8	24.8	24.8	25.1	25.0	25.0	24.9	25.1	25.4	
	13	25.4	25.5	25.3	25.8	25.9	25.5	26.1	26.1	26.0	26.2	26.3	26.0	25.6	25.7	25.5	24.2	24.3	24.4	23.7	23.6	23.7	24.1	24.2	24.0	24.4	24.2	24.4	24.8	24.6	24.9	24.7	24.6	24.6	25.3	25.2	25.0	
	14	25.4	25.4	25.2	25.7	25.8	25.8	26.3	25.9	26.1	26.3	26.0	26.4	25.6	25.7	25.9	24.7	24.4	24.3	23.8	23.9	23.7	24.0	24.1	24.1	24.4	24.7	24.6	24.6	24.7	24.7	24.8	24.7	24.9	25.3	25.0	25.1	
	15	25.2	25.5	25.3	25.9	25.8	25.7	26.1	26.1	26.3	26.0	26.1	26.2	25.8	25.6	25.6	24.2	24.6	24.4	23.8	23.7	23.9	24.0	24.0	24.1	24.5	24.6	24.6	24.5	24.5	24.8	24.6	24.8	24.9	25.3	25.4	25.2	
	16	25.3	25.4	25.6	26.0	25.9	25.6	26.4	26.4	26.2	26.4	26.5	26.2	25.9	25.5	25.5	24.4	24.3	24.6	24.0	23.7	23.6	24.1	24.0	23.9	24.8	24.6	24.6	24.9	24.7	24.9	24.8	25.1	25.3	25.1	25.1		
	17	25.2	25.5	25.7	25.5	25.4	26.2	26.3	26.3	26.3	26.3	26.3	26.3	25.9	25.9	25.5	24.6	24.4	24.6	23.9	23.9	23.7	23.8	24.1	24.3	24.5	24.3	24.4	24.5	24.9	24.8	24.8	24.7	24.6	25.2	25.2		
	18	25.2	25.4	25.0	25.7	25.9	25.5	26.1	26.0	26.1	26.2	26.2	26.4	25.7	25.9	25.6	24.6	24.4	24.6	24.2	23.9	23.9	24.2	23.9	24.3	24.6	24.5	24.8	24.7	24.8	24.8	24.9	25.0	25.1	25.4	25.2		
	19	25.6	25.5	25.7	26.1	25.9	25.7	25.9	26.1	26.1	26.3	26.0	26.1	25.9	25.4	25.7	24.7	24.4	24.6	24.5	23.7	23.9	24.0	24.1	24.3	24.5	24.7	24.8	24.6	24.7	24.5	24.6	25.0	24.9	25.1	25.1		
	20	25.4	25.2	25.5	25.6	25.9	25.7	26.1	26.2	26.2	26.3	26.0	26.4	25.6	25.5	25.7	24.2	24.5	24.5	24.1	23.8	23.8	24.1	24.0	24.8	24.5	24.6	24.7	24.6	24.6	24.9	24.9	24.7	25.5	25.2	25.3		
	21	25.4	25.5	25.4	25.9	25.7	25.8	26.2	26.0	26.1	26.1	26.4	26.3	25.6	25.7	25.6	24.3	24.4	24.4	23.8	23.7	23.8	24.2	24.1	24.0	24.6	24.5	24.5	24.6	24.9	24.9	24.9	24.6	24.9	25.3	25.4	25.0	
	22	25.3	25.6	25.6	25.8	25.8	25.6	26.1	25.9	26.3	26.2	26.5	26.5	25.6	25.8	25.5	24.4	24.8	24.6	23.6	24.0	23.8	24.5	24.3	24.3	24.4	24.6	24.5	24.8	24.5	24.9	24.6	25.0	24.9	25.1	25.2	25.3	
	23	25.5	25.4	25.4	25.7	25.5	25.8	25.9	26.0	26.3	26.4	26.3	25.5	25.6	25.8	24.6	24.3	24.4	23.6	23.5	24.1	23.7	24.1	24.1	24.3	24.7	24.3	24.9	24.8	24.7	25.0	25.0	24.9	25.3	25.1	25.2		
	24	25.0	25.2	25.4	25.8	25.6	25.5	26.2	26.1	26.2	26.2	26.0	26.2	25.6	25.7	25.9	24.8	24.6	24.7	23.6	23.7	23.7	24.0	24.2	24.4	24.4	24.5	24.4	24.9	24.9	24.8	25.0	24.9	25.0	24.9	25.2	25.2	
	25	25.6	25.4	25.4	25.4	25.3	25.5	26.0	26.0	26.2	26.2	26.4	26.5	25.5	25.7	25.8	24.3	24.4	24.4	23.8	23.9	24.1	24.0	24.2	24.1	24.5	24.7	24.4	24.8	24.6	24.9	24.9	24.8	25.2	25.1	25.1		
	26	25.5	25.5	25.5	25.8	25.9	25.6	26.2	26.1	26.4	26.3	26.1	26.1	25.5	25.9	25.8	24.3	24.6	24.2	24.0	23.7	23.9	24.1	24.4	24.2	24.3	24.6	24.2	24.5	24.5	24.6	24.8	24.9	24.6	25.4	25.1	25.3	
	27	25.5	25.6	25.5	25.9	25.9	25.6	26.1	26.1	26.5	26.3	26.4	26.2	25.6	25.7	25.7	24.5	24.7	24.6	24.6	24.0	24.1	23.7	24.0	24.0	24.3	24.7	24.7	24.3	24.8	24.6	24.7	24.8	24.8	25.1	25.1	25.2	
	28	25.3	25.1	25.5	25.8	25.8	25.7	26.2	26.4	25.9	26.4	26.2	26.3	25.7	25.9	25.9	24.2	24.1	24.6	24.6	24.0	23.6	23.8	24.1	24.0	24.3	24.4	24.6	24.3	24.7	24.7	24.8	24.8	24.8	25.1	25.1	25.1	
	29	25.5	25.4	25.1	25.9	25.8	25.7	26.4	26.1	25.9	26.3	26.1	26.3	25.8	25.6	25.8	24.4	24.5	24.5	24.2	23.8	24.0	24.1	24.3	24.0	23.9	24.4	24.3	24.6	24.6	25.0	24.5	24.9	24.6	25.1	25.3	25.0	
	30	25.4	25.5	25.7	25.6	25.8	25.8	26.0	25.9	26.0	26.4	26.1	26.4	25.7	25.8	25.9	24.7	24.5	24.5	23.6	23.7	23.9	24.1	24.1	2													

DATOS ESTADÍSTICOS DE TEMPERATURA EN LA PROVINCIA LOS RÍOS																																							
Ubicación	Años / decenas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
Puebloviejo	1	25.3	25.4	25.8	25.8	25.8	25.8	26.1	26.2	26.2	26.5	26.2	26.4	26.1	25.8	25.8	24.2	24.5	24.3	23.2	23.5	23.3	23.2	23.1	23.4	23.7	23.7	23.9	24.3	24.4	24.1	24.1	24.3	24.4	24.9	25.0	25.0		
	2	25.4	25.3	25.4	25.9	26.0	25.9	26.1	26.3	26.3	26.2	26.3	26.2	25.9	25.8	25.5	24.0	24.3	24.5	23.2	23.3	23.1	23.1	23.2	23.4	23.9	23.8	23.9	24.5	24.0	24.0	24.3	24.2	24.2	25.1	25.0	25.0		
	3	25.5	25.5	25.4	25.7	25.6	25.6	26.2	26.1	26.1	26.4	26.5	26.4	25.5	25.9	25.6	24.6	24.4	24.5	23.4	23.0	23.3	23.6	23.2	23.1	23.7	23.5	23.8	24.2	24.2	24.2	24.4	24.9	24.7	24.8				
	4	25.2	25.3	25.6	25.7	26.0	25.9	26.1	26.1	26.3	26.2	26.1	26.0	25.6	25.9	25.7	24.2	24.3	24.3	23.3	23.3	23.3	23.0	23.0	23.1	24.0	24.0	23.8	24.3	24.0	24.2	24.3	24.1	24.1	25.0	25.0	24.8		
	5	25.6	25.4	25.5	25.9	25.7	26.0	26.0	26.2	26.2	26.3	26.4	25.8	25.7	25.6	24.5	24.4	24.3	23.2	23.3	23.2	23.1	23.2	23.4	23.7	24.0	23.8	24.2	24.0	24.4	24.2	24.3	24.5	25.0	25.0	25.1			
	6	25.3	25.4	25.8	26.1	25.5	25.8	26.1	26.3	26.1	26.1	26.3	26.2	25.7	25.7	25.8	24.5	24.2	24.5	23.1	23.5	23.3	23.3	23.3	23.2	23.7	23.7	24.0	24.3	24.0	24.0	24.2	24.4	24.4	25.0	25.0	25.0		
	7	25.4	25.5	25.3	25.6	25.9	25.7	26.0	26.0	26.3	26.1	26.0	26.0	25.6	25.8	25.6	24.2	24.3	24.3	23.2	23.5	23.5	23.2	23.1	23.4	23.7	24.0	23.7	24.5	24.1	24.1	24.3	24.1	24.8	24.9	24.9			
	8	25.6	25.7	25.5	25.8	25.9	25.7	26.1	26.1	25.9	26.1	26.3	26.3	25.8	25.7	25.9	24.2	24.3	24.2	23.1	23.4	23.1	23.1	23.2	23.4	23.6	24.0	23.9	24.3	24.1	24.2	24.1	24.1	24.2	24.8	24.9	25.0		
	9	25.3	25.5	25.5	25.8	26.0	25.7	26.2	26.2	26.1	26.4	25.9	26.5	25.8	25.7	25.8	24.3	24.4	24.4	23.3	23.0	23.0	23.0	23.4	23.5	23.4	23.7	24.3	23.9	24.4	24.5	24.2	24.2	24.9	25.2	24.9			
	10	25.3	25.3	25.8	25.6	25.7	25.8	26.0	26.3	26.2	26.3	26.3	26.4	25.8	25.8	25.6	24.3	24.4	24.5	23.4	23.4	23.3	23.3	23.1	23.6	23.8	23.9	23.9	24.0	24.2	24.3	24.3	25.0	25.2	25.0				
	11	25.3	25.3	25.6	25.7	25.9	25.8	26.3	25.9	26.1	26.2	26.5	26.0	25.8	25.9	25.9	24.4	24.0	24.6	23.3	23.3	23.3	23.2	22.9	23.8	23.6	23.6	24.4	24.1	24.2	24.5	24.2	24.4	24.8	25.0	24.8			
	12	25.3	25.5	25.4	25.8	25.6	25.9	26.2	26.0	26.3	26.3	26.0	26.1	25.6	25.9	25.9	24.6	24.5	24.1	23.2	23.5	23.2	23.1	23.4	22.9	23.9	24.0	23.9	24.2	24.1	24.2	24.4	24.0	24.2	24.9	24.7	24.9		
	13	25.6	25.4	25.6	25.8	25.7	25.8	26.1	26.2	25.9	26.1	26.3	26.2	25.9	25.7	25.8	24.5	24.6	24.5	23.1	23.2	23.3	23.4	23.4	24.0	24.0	23.8	24.2	24.1	24.0	24.2	24.3	24.2	25.0	25.1	25.0			
	14	25.7	25.4	25.6	25.6	25.6	25.8	25.9	26.0	26.0	26.3	26.1	26.3	26.4	25.7	25.5	25.7	24.4	24.2	24.2	23.4	23.3	23.5	23.1	23.0	23.1	23.5	23.7	23.5	24.3	24.0	24.1	24.3	24.4	24.2	25.0	24.9	25.1	
	15	25.3	25.5	25.6	25.6	25.9	25.9	26.2	26.2	26.3	26.2	26.3	26.4	25.9	25.4	25.6	24.4	24.4	24.4	23.4	23.3	23.4	23.2	23.2	23.2	23.9	23.8	23.9	24.3	24.0	24.1	24.2	24.5	24.1	24.9	25.0	24.9		
	16	25.8	25.4	25.5	25.6	25.9	26.1	26.3	26.0	26.2	26.2	26.3	26.1	26.0	25.7	25.9	24.3	24.5	24.4	23.0	23.1	23.3	23.2	23.0	23.3	23.6	23.8	23.7	24.1	24.0	24.1	24.3	24.0	24.8	24.8	24.8			
	17	25.5	25.6	25.8	25.8	25.8	26.1	26.0	26.3	26.4	26.1	26.1	26.1	25.9	26.0	25.7	24.5	24.6	24.4	23.2	23.3	23.5	23.2	23.2	23.0	23.6	24.0	23.7	24.0	24.3	24.4	24.4	24.2	25.0	25.0	25.0			
	18	25.3	25.4	25.4	25.6	25.7	25.8	26.2	26.1	26.2	26.1	26.4	26.4	25.7	25.6	25.7	24.5	24.3	24.3	23.2	23.3	23.4	23.3	23.2	23.8	23.8	23.8	24.2	24.2	24.6	24.2	24.1	24.8	24.9	25.0				
	19	25.5	25.6	25.5	25.8	25.7	25.6	26.0	26.4	26.2	26.2	26.2	26.4	26.0	25.7	25.7	24.7	24.2	24.1	24.6	23.2	23.4	23.1	23.1	23.3	23.3	23.6	23.7	23.9	24.0	24.2	24.0	24.5	24.3	24.8	25.0	24.9		
	20	25.7	25.3	25.5	25.9	25.6	25.9	26.1	25.8	26.3	26.2	26.2	26.1	25.9	25.6	25.8	24.4	24.2	24.2	24.3	23.3	23.2	23.1	23.1	23.0	23.2	23.7	23.5	23.6	24.0	24.5	24.4	24.2	24.4	24.9	25.1	24.9		
	21	25.5	25.5	25.5	25.8	25.5	25.5	26.3	26.1	26.2	26.1	26.3	26.4	25.8	26.0	25.6	24.6	24.2	24.5	23.3	23.5	22.9	23.2	23.4	23.0	23.7	23.8	23.8	24.1	24.2	24.4	24.4	24.1	25.0	25.1	25.0			
	22	25.3	25.6	25.4	25.8	25.9	25.9	26.2	26.3	26.0	26.5	26.2	26.2	25.6	25.6	25.9	24.9	24.2	24.3	24.6	23.0	23.4	23.2	23.2	23.3	23.2	23.7	23.8	23.9	24.4	24.1	23.8	24.5	24.2	24.3	24.9	25.1	24.9	
	23	25.5	25.4	25.4	25.8	25.9	26.1	25.9	26.1	26.1	26.6	26.1	26.5	25.8	25.8	25.9	24.3	24.5	24.1	23.4	23.4	23.1	23.1	23.2	23.2	23.8	23.9	23.9	24.5	24.0	24.3	24.3	24.0	24.3	24.7	25.0	25.1		
	24	25.4	25.3	25.6	25.8	25.8	25.8	26.4	26.1	26.1	26.4	26.3	26.2	25.9	25.6	25.6	24.3	24.1	24.2	23.3	23.1	23.4	23.1	23.4	23.1	23.5	23.7	23.9	24.4	24.4	24.0	24.6	24.6	24.3	24.5	25.0	24.9	25.0	
	25	25.4	25.4	25.3	25.7	25.9	25.6	26.3	26.3	26.1	26.4	26.2	26.3	25.6	25.7	25.7	24.6	24.5	24.1	23.0	23.2	23.1	23.2	23.2	23.0	23.7	23.9	23.8	24.0	24.2	24.4	24.1	24.4	24.4	25.0	24.9	25.0		
	26	25.5	25.5	25.6	25.9	25.6	25.7	26.5	26.5	26.2	26.4	26.2	26.2	26.5	25.7	25.5	25.8	24.3	24.3	24.5	24.5	23.1	23.3	23.4	23.2	23.4	23.4	23.8	23.6	23.8	24.1	24.4	24.3	24.5	24.3	24.2	25.0	24.9	24.9
	27	25.6	25.5	25.5	25.6	25.9	25.7	25.9	26.1	25.9	26.4	26.3	26.2	25.7	25.5	25.6	24.2	24.4	24.3	23.2	23.4	23.3	23.4	23.5	23.4	23.8	23.6	23.9	24.0	24.2	24.1	24.3	24.3	25.0	25.0	25.0			
	28	25.3	25.6	25.6	25.9	25.8	25.8	26.0	26.1	26.1	26.2	26.2	26.3	25.6	25.8	26.1	24.1	24.4	24.4	23.4	23.4	23.3	23.4	23.4	23.4	23.7	23.8	23.8	23.9	24.3	24.3	24.2	24.4	24.4	25.0	25.1	24.9		
	29	25.6	25.2	25																																			

Anexo 4. Archivo Fotográfico



