

Universidad Nacional de Ingeniería
Facultad de Ingeniería Geológica Minera y Metalúrgica



TRABAJO DE SUFICIENCIA PROFESIONAL

**Análisis de los umbrales de alerta roja para reducir la
incertidumbre en la caída de materiales en unidades mineras
polimetálicas**

Para obtener el título profesional de Ingeniero Geólogo

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Dedicatoria

*A Dios, por ser mi guía, mi fortaleza y mi refugio en cada
etapa de mi vida.*

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apoyo constante y por ser mi compañera en cada paso de
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Resumen

Garantizar la estabilidad de los taludes en operaciones mineras polimetálicas a cielo abierto es uno de los retos más complejos en la industria minera, debido al incremento de deformaciones asociadas al avance y profundización de los tajos. La gestión adecuada del riesgo geotécnico, basada en herramientas de monitoreo y análisis estadístico, resulta fundamental para anticipar y mitigar fallas.

En este contexto, el presente trabajo de investigación desarrolla una metodología alternativa basada en el tratamiento estadístico de datos de monitoreo y el back análisis de eventos geotécnicos, con el objetivo de mejorar los umbrales de alerta roja y reducir la incertidumbre en la caída de materiales. Se recopilaron y analizaron datos de deformaciones mediante distribuciones normales y log-normales, permitiendo definir nuevos rangos de alerta más precisos.

Los resultados obtenidos evidencian que la aplicación del back análisis, combinado con técnicas estadísticas apropiadas, permite establecer umbrales de alerta más confiables que los métodos convencionales.

Asimismo, se comprobó que la definición de etapas dentro del umbral rojo mejora significativamente la capacidad de respuesta ante eventos geotécnicos inminentes.

Se concluye que la metodología propuesta contribuye a fortalecer la gestión de riesgos geotécnicos en minería polimetálica, brindando una herramienta práctica para reducir el riesgo operativo y garantizar la seguridad en las operaciones.

Palabras clave — Fallas geotécnicas, umbrales de alerta geotécnica, análisis estadístico, predicción, alerta roja, gestión de riesgos, mineras polimetálicas.

Abstract

Ensuring slope stability in open-pit polymetallic mining operations is one of the most complex challenges in the mining industry, due to the increased deformations associated with the advancement and deepening of pits. Proper geotechnical risk management, based on monitoring and statistical analysis tools, is essential for anticipating and mitigating failures.

In this context, the present research develops an alternative methodology based on the statistical treatment of monitoring data and the back-analysis of geotechnical events, with the aim of improving red alert thresholds and reducing uncertainty regarding material falls. Deformation data were collected and analyzed using normal and log-normal distributions, allowing for the definition of new, more accurate alert ranges.

The results obtained show that the application of back-analysis, combined with appropriate statistical techniques, allows for the establishment of more reliable alert thresholds compared to conventional methods.

Additionally, it was demonstrated that the definition of stages within the red alert threshold significantly improves the ability to respond to imminent geotechnical events.

It is concluded that the proposed methodology contributes to strengthening geotechnical risk management in polymetallic mining, providing a practical tool for reducing operational risk and ensuring safety in operations.

Keywords — Geotechnical failures, geotechnical alert thresholds, statistical analysis, prediction, red alert, risk management, polymetallic mining.

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Introducción

En el presente trabajo de investigación se busca mejorar los umbrales de alerta roja geotécnica mediante el tratamiento estadístico y el back análisis de eventos geotécnicos, con el objetivo de disminuir la incertidumbre en la caída de materiales en unidades mineras polimetálicas. Este estudio responde a la necesidad de fortalecer la gestión de riesgos geotécnicos en operaciones mineras, donde los deslizamientos y caídas de roca representan una amenaza constante para la seguridad y la continuidad operativa.

La investigación parte del análisis de eventos históricos en unidades mineras, utilizando herramientas de monitoreo geotécnico, como radares de deformación (georadares), y técnicas de tratamiento estadístico que permiten una interpretación más precisa del comportamiento del terreno. De esta manera, se pretende establecer umbrales de alerta más confiables que anticipen fallas potenciales.

El problema central radica en la alta variabilidad y dispersión de datos de monitoreo geotécnico, lo que dificulta definir umbrales de alerta oportunos y efectivos. Por ello, la hipótesis planteada sostiene que el uso del back análisis, complementado con métodos estadísticos adecuados, permitirá mejorar significativamente la definición de los umbrales de alerta roja, reduciendo la incertidumbre asociada a las decisiones operativas en minería de tajo abierto en sus siglas en inglés “Open Pit”.

Entre los objetivos principales de la investigación destacan: analizar eventos geotécnicos relevantes mediante un back análisis; establecer parámetros estadísticos que permitan definir umbrales de alerta; y validar los nuevos umbrales a través de casos de estudio.

La importancia de este trabajo radica en su contribución a la gestión de riesgos en minería, proponiendo un modelo de alerta que pueda aplicarse de manera práctica para prevenir accidentes y optimizar la respuesta ante eventos geotécnicos.

La metodología empleada consistió en la recopilación de datos de monitoreo geotécnico, su procesamiento mediante herramientas estadísticas (como análisis de distribución normal y log-normal) y el desarrollo de un back análisis detallado para eventos geotécnicos representativos. Esto permitió construir una base sólida para la mejora de los umbrales de alerta.

Los resultados obtenidos en el análisis de datos y back análisis revelaron que los umbrales de alerta roja, ajustados mediante modelos estadísticos, permiten anticipar con mayor precisión los posibles deslizamientos y caídas de material. Se identificaron nuevos rangos de deformación que mejoran la predicción y proporcionan una herramienta más confiable para la toma de decisiones operativas.

Capítulo I. Parte introductoria del trabajo

1.1 Generalidades

La presente investigación estudia el comportamiento de los umbrales de alerta calculados en un sistema de alerta roja para mejorar la incertidumbre de falsos positivos y negativos, asimismo, una buena gestión de riesgos geotécnicos en unidades mineras polimetálicas.

En los proyectos mineros polimetálicos existen diferentes riesgos geotécnicos entre ellos la caída de materiales causado por diferentes factores como una optimización en la productividad lo cual conlleva un cuidado de los taludes para minimizar los impactos en la seguridad y los costos asociados a las paralizaciones de la producción.

Mediante métodos de predicción se puede predecir tiempos de falla de un material debido a que las pendientes que generan estas representaciones gráficas experimentan un incremento del desplazamiento las cuales se pueden describir en una curva de fluencia ante una ruptura.

Como conclusión un enfoque proactivo de la gestión de riesgos es fundamental para reducir significativamente la pérdida de vidas y daños materiales asociados a los peligros naturales, asimismo, complementada con un buen control de los umbrales de alerta y en específico una buena gestión de los umbrales de alerta roja.

1.2 Descripción del problema de estudio

Los deslizamientos de material por fallas de taludes a gran escala son problemas frecuentes en operaciones mineras, los cuáles generan riesgos al personal, equipos y en algunos casos hasta la viabilidad del proyecto tal como sucedió en mayo del 2003 en la mina de cobre “Grasberg” ubicada en Indonesia, donde fallecieron 8 personas y resultaron varios equipos enterrados por el deslizamiento de taludes como se describe en la Figura 1, considerado uno de los peores accidentes mineros en la historia de Indonesia (Gecko Geotechnics. (2021). “Practical Rock Engineering and Mining Rock Mechanics).

Figura 1

Falla de talud del tipo flujo, en la mina de cobre “Grasberg” de Indonesia



Fuente: Gecko Geotechnics, (2021), “Practical Rock Engineering and Mining Rock Mechanics”.

En la mina de cobre Bingham Canyon de cielo abierto, la segunda más profunda del mundo (1200 m de profundidad), operada por Rio Tinto – Kennecott Utah Cooper, ubicada a 20 km al Sur-Oeste de Salt Lake City, en las montañas Oquirrh, Utah, Estados Unidos; se produjo un deslizamiento de talud el 10 de abril del 2013 en la zona noreste de la mina como se observa en la Figura 2; el cual fue detectado, monitoreado y esperado desde principios de febrero teniendo como evolución de 2 milímetros a 5 centímetros de deformación días previos al colapso, produciendo una incertidumbre de 3 meses en la gestión de riesgos geotécnicos, (Montalar, E. (2013). “El impresionante deslizamiento de tierras de la mina de cobre Bringham Canyon).

Figura 2

Deslizamiento en Bingham Canyon, ocurrido el 10 de abril del 2013



Fuente: Montalar, E. (2013). "El impresionante deslizamiento de tierras de la mina de cobre Bingham Canyon".

De acuerdo a Becerra (2011); Minera Yanacocha ubicada en el distrito de Cajamarca departamento de Cajamarca, Perú, se identificó en junio 2008 y en diciembre 2010, dos inestabilidades de falla en taludes detectadas por el monitoreo de instrumentación geotécnica, estas fallas representaban un riesgo de retraso del plan de producción, afectando potencialmente la extracción de aproximadamente 200,000 onzas de Au.

Zavodni y Broadbent (1978) encontraron que la magnitud y la velocidad de una falla inestable varían ampliamente de una mina a otra mina; aumentando la incertidumbre en la detección del deslizamiento de taludes, considerando que las tasas de umbral son muy específicas para un sitio en particular en términos de tipos de materiales, condiciones operacionales, perfil de riesgo y métodos / frecuencia de monitoreo (Newmont, 2017).

La estabilidad de taludes se mide mediante umbrales de alarma acompañados por las variaciones de velocidad (Sjöberg, 1999); las compañías mineras generalmente establecen tres niveles de umbrales generales: umbral verde, umbral amarillo y umbral rojo siendo este último el umbral menos estudiado y con más incertidumbre en la cual encontramos la velocidad de colapso del material.

La velocidad de colapso parte con una incertidumbre desde que comienza la velocidad de no retorno, es decir que en ese tiempo promedio de falla de material no se tiene con precisión definida la caída del material (el tiempo exacto que falla el material); dejando abierto un estrecho margen de tiempo que perjudicaría no solo la operación sino la seguridad del personal, equipos, etc.

Por lo tanto, la formulación del problema de la siguiente investigación corresponde a: ¿Cuáles son los umbrales de alerta roja que incrementan la incertidumbre en la caída de material en yacimientos polimetálicos?

1.3 Objetivos de estudio

1.3.1 Objetivo general

Analizar los umbrales de alerta roja basados en el tratamiento estadístico y el back análisis de eventos geotécnicos, para reducir la incertidumbre en la caída de materiales en unidades mineras polimetálicas.

1.4 Hipótesis

1.4.1 Hipótesis general

El análisis de los umbrales de alerta roja reducirá la incertidumbre en la caída de materiales en operaciones mineras polimetálicas.

1.5 Operacionalización de variables

1.5.1 Variable dependiente

Incertidumbre en la caída de materiales

1.5.2 Variable independiente

Umbrales de alerta roja

1.5.3 Procedimiento de la operatividad de variables

Determinado la variable dependiente e independiente para nuestro trabajo de investigación; al fragmentar estas variables en dimensiones obtendremos indicadores que nos va a permitir medir cada dimensión como son los umbrales de alerta generales, los ratios de velocidades máximos y los ratios de aceleraciones máximas; asimismo, detectar las herramientas o métodos que se usaran para la recopilación de datos sobre las variables

como son los Checklist de parámetros de calidad de la información de los radares geotécnicos, registro de eventos geotécnicos y por ultimo los reportes de estos eventos geotécnicos que se utilizaran en el back análisis.

1.6 Antecedentes de la investigación

Este Trabajo ha incluido las siguientes investigaciones internacionales y nacionales elegidas por el autor, con el objetivo de facilitar la identificación de las variables vinculadas a esta investigación.

1.6.1 Investigaciones internacionales

Mametja, T. and Zvarivadza, T. (2017). "Slope stability enhancement through slope monitoring data interpretation".

La estabilidad de taludes y la máxima productividad son fundamentales para el éxito de minas a cielo abierto, en este contexto, para maximizar la productividad se diseñan taludes empinados para reducir la extracción de material estéril, pero también taludes estables para evitar deslizamientos de materiales que resultan en accidentes o interrupciones costosas; un medio para este fin es la interpretación cuidadosa de los datos de monitoreo como por ejemplo, las técnicas de interpretación de datos para restaurar y mejorar la estabilidad en una mina a cielo abierto de platino; donde se identificó en la zona norte de la mina ,un movimiento progresivo con un desplazamiento máximo de 8,5 mm/día (0.85 cm/día). Las inspecciones de rutina de la mina se realizaron con el propósito de identificar estructuras geológicas, condiciones peligrosas y revisar la estabilidad de la zona; las cuales confirmaron problemas estructurales (grietas detrás del talud) que requerían la intervención inmediata de las áreas involucradas.

Las tecnologías avanzadas de monitoreo como son los radares de estabilidad de taludes (GroundProbe, sistema de radar IBIS) y sistema de deformación a tiempo real y automatizada (GeoMOS), permiten resolver problemas de estabilidad de taludes y optimizar los costos al elegir las soluciones más efectivas y accesibles.

Maneeb et al. (2023). "Developing a Model for the Identification of Onset of Failure of Slopes in Surface Mines".

Los fallos en los taludes de minas de cielo abierto constituyen graves problemas en el registro de víctimas mortales e importantes daños en infraestructuras y equipos, debido a la gravedad de estos riesgos las empresas mineras han priorizado la prevención de derrumbes a través de la investigación y el empleo de tecnologías de monitoreo avanzadas; a pesar de su complejidad, los comportamientos de los taludes en gran medida son predecibles con las herramientas adecuadas de monitoreo y análisis de datos; por ello, se han realizado investigaciones y estudios para comprender estos fenómenos y su progresión desarrollando una variedad de técnicas automatizadas para rastrear los datos de desplazamiento e identificar el inicio del movimiento del talud, que es también el inicio de la aceleración la cual indica un potencial deslizamiento del material.

El análisis positivo que indica una aceleración del talud facilita como pronóstico de un fallo inminente, por consiguiente, permite activar un sistema de alerta temprana, por el que no solo reduce el riesgo de accidentes, sino también contribuye a mejorar el rendimiento de la operación al minimizar interrupciones y optimizar el proceso de la mina.

1.6.2 Investigaciones nacionales

Huarache, E. (2020). “Monitoreo de taludes con radares para el control de riesgos geotécnicos en la mina a tajo abierto, Sociedad Minera Cerro Verde S.A.A. departamento Arequipa, provincia Arequipa, distrito Uchumayo”.

Los colapsos de talud conllevan consecuencias catastróficas incluyendo pérdidas de vidas humanas, lo que hace fundamental un procedimiento sistemático que permita monitorear las deformaciones en los taludes, siendo estos precursores de fallas en el mismo, de manera que se cuente un control sobre los riesgos geotécnicos que se presentan en las actividades mineras.

Los métodos convencionales para realizar el monitoreo de estabilidad de taludes comprende la inspección visual y el mapeo de grietas de tensión, además de redes de prismas y estación total, entre otros para medir el desplazamiento del talud, estos últimos pueden ser movidos debido a las operaciones mineras, además de monitorear solo los puntos donde son instalados

Mediante el empleo de los radares geotécnicos el tiempo de monitoreo se reducirá significativa; esta tecnología moderna permite el monitoreo de grandes áreas en el talud sin necesidad de tener contacto con este.

Ramirez L. (2019). "Reducción de impactos generados por la ocurrencia de peligros geotécnicos en Cerro Corona mediante la configuración de umbrales por sectores utilizando un radar geotécnico".

La adecuada configuración de umbrales de alerta con una correcta segmentación por sectores del área en estudio, permite que las alertas geotécnicas resulten más específicas y localizadas en función de las características geológicas y operativas de cada sector; asimismo, el correcto tratamiento estadístico de los datos recopilados de los diferentes equipos de monitoreo geotécnico, permite identificar tendencias y patrones de comportamiento en el desplazamiento del terreno; apto seguido de un análisis retrospectivo o un back análisis de eventos geotécnicos permite ajustar los umbrales de alerta y así mejorar significativamente la gestión de riesgos geotécnicos operaciones mineras.

De la Cadena y Jambo. (2019). "Determinación de umbrales de alarma y velocidad de colapso, utilizando el radar MSR 300 en la Pared Nor-Este del Tajo tapado Oeste en Minera Yanacocha".

Mediante la metodología de Broadbent y Zavodni (1978-1982), basado en el tratamiento estadístico y back análisis de eventos geotécnicos para determinar la velocidad de colapso y desarrollar un modelo que establezca umbrales de alarma; estos pueden identificar problemas de inestabilidad y prevenir problemas con la viabilidad del proyecto minero.

De la Cadena y Jambo, mediante el análisis de información de colapsos de las fallas que fueron monitoreadas con el radar Retacho MSR 300 instalado en la zona Oeste del proyecto; lograron determinar un modelo de criterio de alertas basado en la velocidad incremental, cuando supere una velocidad específica asociada a una tendencia del

movimiento progresivo acelerado es exponencial se concluye el inicio de una posible falla con un grado de incertidumbre.

Capítulo II. Marcos teórico y conceptual

2.1 Marco teórico

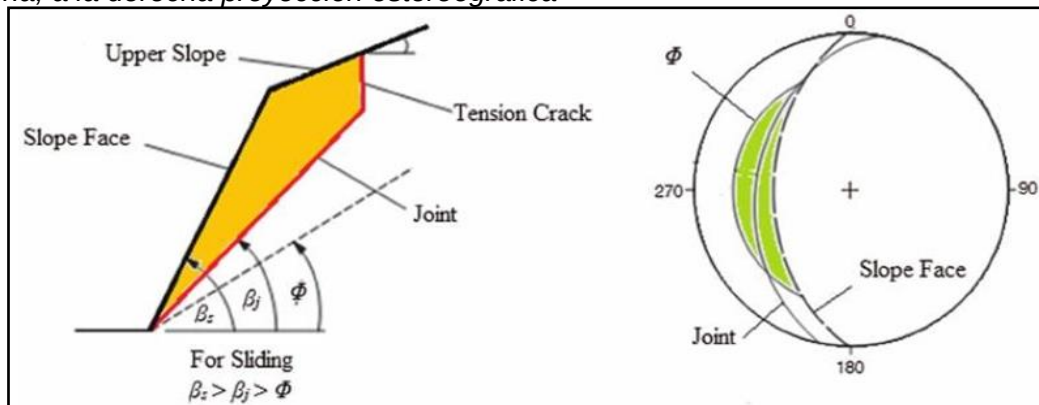
2.1.1 Mecanismo de falla con control estructural

Rusydy, et al. (2019). "Kinematic analysis and rock mass classifications for rock slope failure at USAID highways".

Una falla planar se produce cuando existen las siguientes condiciones; la primera cuando la orientación de los planos de discontinuidades (α_j) en el deslizamiento es paralela a $\pm 20^\circ$ de la orientación del talud (α_s); la segunda cuando la inclinación del plano de discontinuidad es menor que el ángulo del talud o $\beta_s > \beta_j$; la tercera cuando la inclinación de la discontinuidad es mayor que el ángulo de fricción o $\beta_j > \Phi$; y por ultimo cuando la parte superior de la superficie de deslizamiento intercepta al talud superior o se identifica una grieta de tensión como se observa en la Figura 3. El factor de seguridad para este tipo de rotura se calcula completando todas las fuerzas que actúan sobre el talud en componentes paralelas y normales al plano de deslizamiento.

Figura 3

Circunstancias geométricas de la rotura planar; a la izquierda vista pictórica de la rotura de la cuña; a la derecha proyección estereográfica



Fuente: Rusydy et al., 2019, "Kinematic analysis and rock mass classifications for rock slope failure at USAID highways".

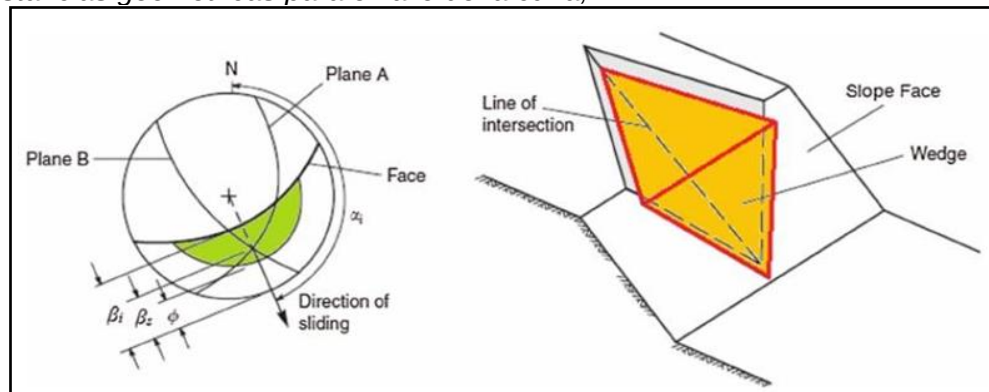
Rusydy, et al. (2019). "Kinematic analysis and rock mass classifications for rock slope failure at USAID highways".

Una falla en cuña se desarrolla si dos juntas de intersección se encuentran dentro del talud y forman un bloque en cuña. El hundimiento (β_i), como el ángulo de dos

intersecciones que se encuentran en la horizontal, también dimensionalmente más pequeño que el ángulo de la pendiente (β_s) pero mayor que el ángulo de fricción (Φ) de los dos planos de deslizamiento, o $\beta_s > \beta_i > \Phi$; además, es necesario que la dirección del hundimiento este fuera de la cara del talud para que el deslizamiento sea factible como se describe en la Figura 4.

Figura 4

Circunstancias geométricas para el fallo de la cuña;



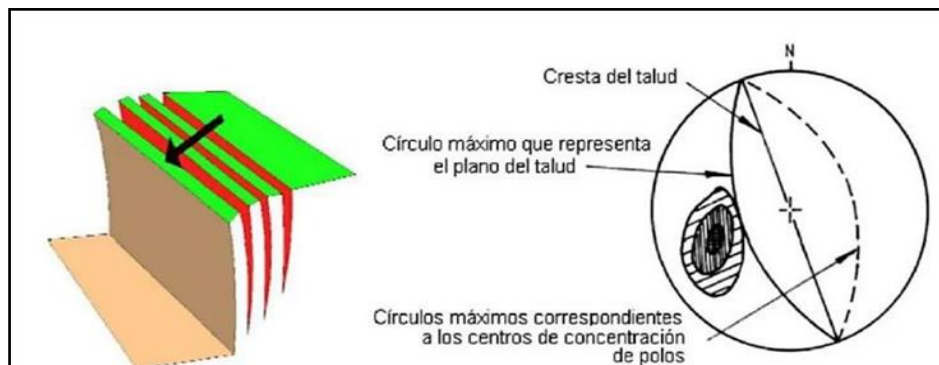
Nota: a la izquierda proyección estereográfica que muestra la orientación de la línea de intersección, y el rango del hundimiento de la línea de intersección (β_s) donde el fallo es factible; a la derecha vista pictórica del fallo de la cuña.

Fuente: Rusydy et al., 2019, "Kinematic analysis and rock mass classifications for rock slope failure at USAID highways". Instituto Geológico y Minero de España. (1987). "Manual de Taludes, 1ª Ed. 1987".

Una falla por vuelco se produce debido a la existencia de un set de fracturas paralelas o sub-paralelas y otro set perpendicular o sub-perpendicular; estas estructuras forman bloques las cuales pierden la adhesión a la matriz y rotan por sobre la base por efectos de la gravedad; asimismo la condición de la falla por vuelco en la red estereográfica se observa en la Figura 5.

Figura 5

Disposición de discontinuidades en el estereograma para un modo de falla por vuelco de bloques



Nota: Modificado de Hoek & Bray, 1981, "Underground excavations in rock".

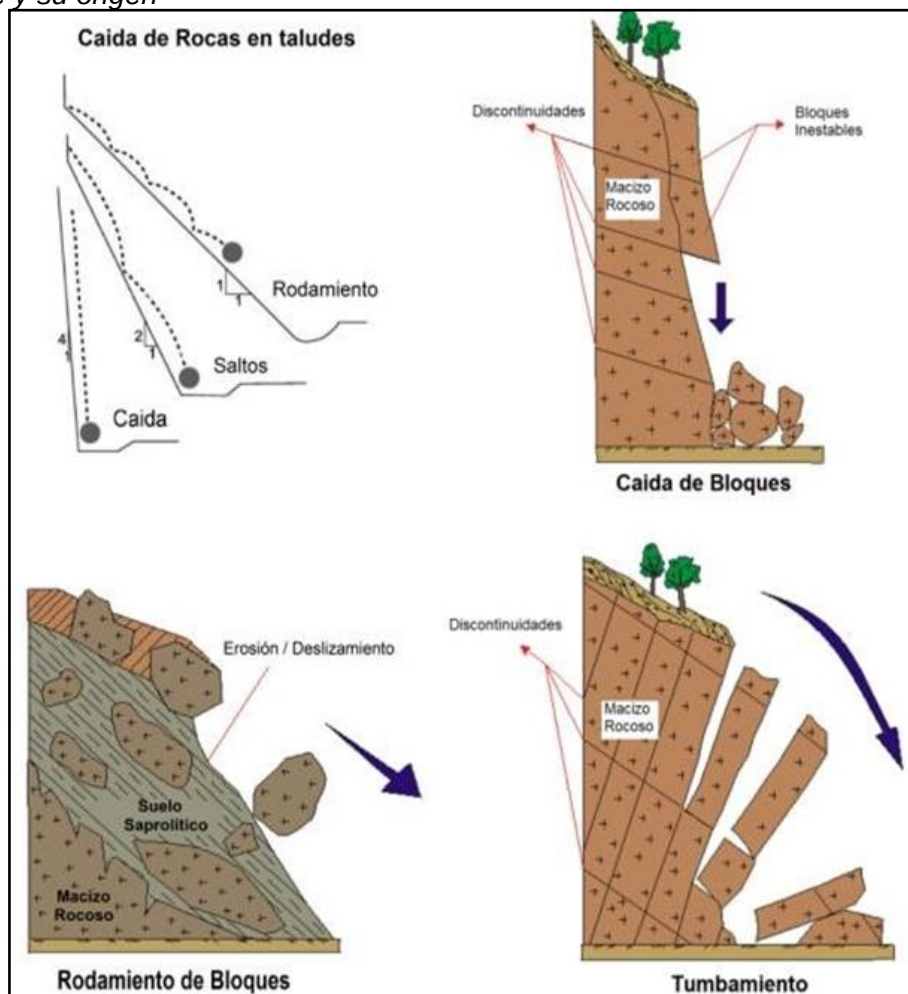
2.1.2 Mecanismo de falla sin control estructural

Ramirez, P. y Alejandro, M. (2007). “Mecánica de rocas: Fundamentos de Ingeniería de Taludes”.

Una caída de rocas se produce cuando una o más rocas sueltas, se movilizan producto de una pequeña perturbación que cambia su estado de reposo a movimiento, rodando por el talud hasta permanecer detenida, es el tipo de falla más simple; su predicción es muy difícil y por tanto se recurre a métodos de contención de caída de rocas en comparación al modelamiento numérico, por lo tanto, modelos de simulación de caída de rocas sueltas son capaces de producir predicciones exactas de trayectorias en caída de rocas, como se observa en la Figura 6.

.Figura 6

Esquema de los tipos de movimientos de los bloques sobre el talud en función de su pendiente y su origen

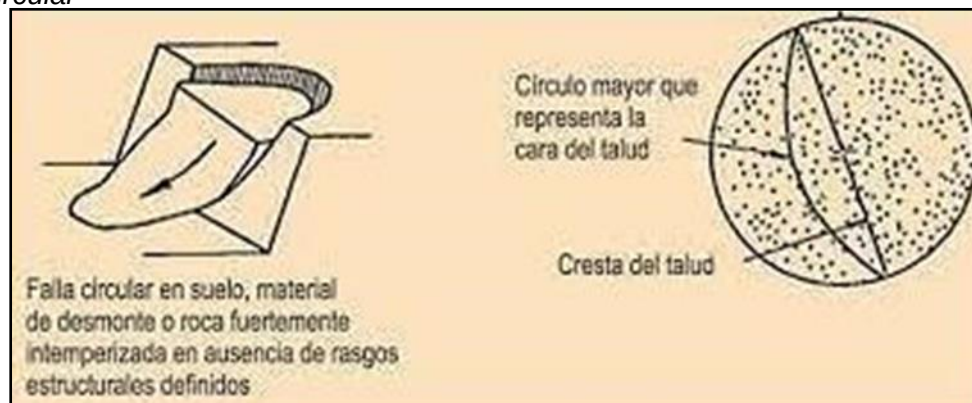


Fuente: Luza, C., & Sosa, N, (2016), “Caída de rocas en el sector de Huamatambo”. Instituto Geológico y Minero de España. (1987). “Manual de Taludes, 1ª Ed. 1987”.

Una falla circular es producida por numerosos sets de fallas, las cuales tienen distintos rumbos y buzamientos, lo que genera una roca muy fracturada, perdiendo la cohesión; debido a la cantidad de fracturas, el macizo rocoso se transforma en una especie de gravilla, la cual se desliza por la cara del talud, tal como se muestra en la Figura 7; esta aproximación de rotura se produce cuando no es factible determinar la familia de discontinuidades que controla la inestabilidad; esta falla también es conocida como deslizamiento o rotura rotacional.

Figura 7

Falla circular



Fuente: Instituto Geológico y Minero de España. (1987). "Manual de Taludes, 1ª Ed. 1987".

2.1.3 Monitoreo geotécnico

Quispe, J., y Mendoza, E. (2022). "Implementación de control y monitoreo geotécnico en taludes de tajo abierto, caso práctico".

InSAR Terrestre (GB InSAR – Ground Based InSAR)

Es una técnica interferométrica diferencial en tierra denominada GB InSAR, se emplea para monitorear y detectar deslizamientos e inestabilidades. Este sistema presenta muchas ventajas, ya que analiza toda el área en movimiento en frecuencia de tiempos muy cortos, mientras que otras técnicas como estaciones totales, extensómetros, etcétera, brindan información puntual. En el mercado existen dos grupos de radares terrestres:

RAR: Real Aperture Radar

Son conocidos como radares no coherentes, ya que el tamaño de la antena es controlado por su longitud física. Son equipos de diseño portátil, así como el procesamiento

de datos es accesible; pero la desventaja es que su resolución es débil en el rango cercano. La imagen radar dispone de una resolución limitada por la longitud de antena, al depender del tamaño de la longitud de onda se disminuye el ancho de banda de la señal enviada, por lo que no es práctico diseñar una antena muy grande para producir la resolución.

SAR: Synthetic Aperture Radar

La data capturada por las antenas del radar SAR procesa complejos algoritmos, este proceso combina los datos obtenidos de varios barridos de la antena, creando así un barrido virtual, esta técnica de monitoreo es la más empleada por las principales mineras del Perú, ya que permite obtener el píxel con la mejor resolución, alcanzando hasta de 5 kilómetros (km) con una cobertura de 360° y 40 segundos de toma, en el modelo ArcSAR. Los datos generados son desplazamientos acumulados, velocidades, aceleraciones, alertas tempranas y mapas de riesgos.

Las tecnologías radar, tanto la InSAR que facilita el análisis de extensas áreas, con la obtención de centenas de miles de puntos de monitoreo con una precisión submilimétrica y la SAR que permite adquirir datos en tiempo real, para obtener las informaciones de desplazamientos convertidas en datos confiables de velocidad y aceleración de las partículas de un macizo rocoso; estas informaciones se utilizan para la definición de alarmas y para la predicción de roturas, así como su integración en el sistema de monitoreo integral.

2.1.4 Umbrales de alerta geotécnica

Castro, J. (2015). "Software ScatterX-3° Conferencia de Usuarios Radares Reutech. Clonsa".

Los umbrales de alerta geotécnica requieren una prevención de alertas que midan con precisión los movimientos de los taludes a través de la interpretación precisa de información capturada oportunamente alertando inminentes fallas o caídas.

Sjöberg, J. (1999). "Analysis of large scale rock slopes".

Este mecanismo de alerta anticipada es determinado por umbrales de alarma predeterminado en los radares; sin embargo, advierte que “la dificultad no radica en la tecnología de medición, sino en la configuración de los umbrales de alarma”.

De La Cadena, R. A., y Jambo, R. (2019). “Determinación de umbrales de alarma y velocidad de colapso, utilizando el radar MSR 300 en la pared noreste del tajo tapado oeste en minera Yanacocha”

Las operaciones mineras son cada vez más agresivas en su producción lo cual implica alterar las condiciones de estabilidad en tiempos muy cortos y para ofrecer continuidad a la operación, los departamentos de geotecnia requieren conocimientos y preparación para respuesta inmediata ante algún indicio de inestabilidad, para el efecto descrito se dispone con instrumentos que monitoreen permanentemente el área de operación y sus componentes o estructuras de producción.

Los umbrales de alarma basados en la tasa desplazamiento constante se exceden en su detección, incluso si un colapso no es inminente. La tasa de desplazamiento en un rango de tiempo; es decir, la velocidad, proporciona un indicador de falla inminente ya que presenta menos variaciones; por lo tanto, es apropiado que los umbrales de alarma acompañantes también se basen en la velocidad.

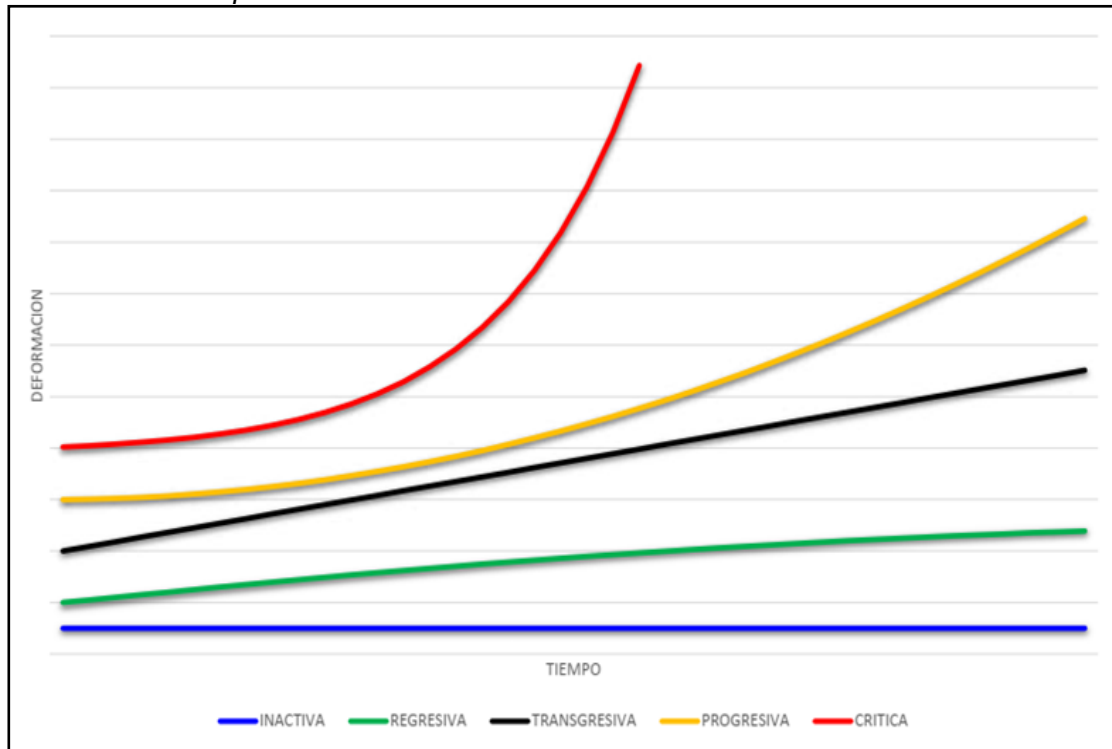
Ramirez L. (2019). “Reducción de impactos generados por la ocurrencia de peligros geotécnicos en Cerro Corona mediante la configuración de umbrales por sectores utilizando un radar geotécnico”.

El autor concluye que la configuraciones de umbrales geotécnicos por sectores se pueden determinar a través de un back análisis de eventos geotécnicos y un tratamiento estadístico en base a la desviación estándar del universo de datos, así logrando determinar los niveles de riesgo (umbrales), señala que las tecnologías radar permite el análisis de grandes áreas, con la obtención de centenas de miles de puntos de monitoreo con una precisión su milimétrica adquirir datos virtualmente en tiempo real, para obtener las informaciones de desplazamientos que serán convertidas en datos confiables de velocidad

y aceleración de las partículas de un macizo. Estas informaciones, pueden ser utilizadas para la definición de alarmas como se muestra en la Figura 8.

Figura 8

Condiciones de desplazamiento



Fuente: Intelltech (2017)

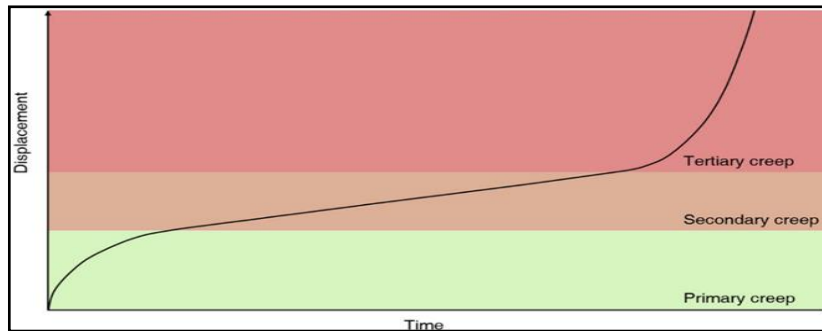
2.1.5 Métodos de predicción

Main, I. G. (2000). "A damage mechanics model for power-law creep and earthquake aftershock and foreshock sequences".

Los métodos de predicción se individualizan en tres etapas, aunque algunos autores explican la segunda etapa para materiales frágiles como una superposición lineal de la primera y la tercera etapa o una transición entre las dos; la primera etapa es la fluencia primaria (transitoria), con la tasa de deformación decreciendo logarítmicamente, seguida por la fluencia secundaria (o de estado estacionario) con una tasa de deformación constante, y por último una fluencia terciaria (o acelerante) con una tasa de fluencia creciente, lo que conduce a la ruptura como se muestra en la Figura 9.

Figura 9

Interpretación convencional de tres estados del comportamiento de fluencia, estados de deformación



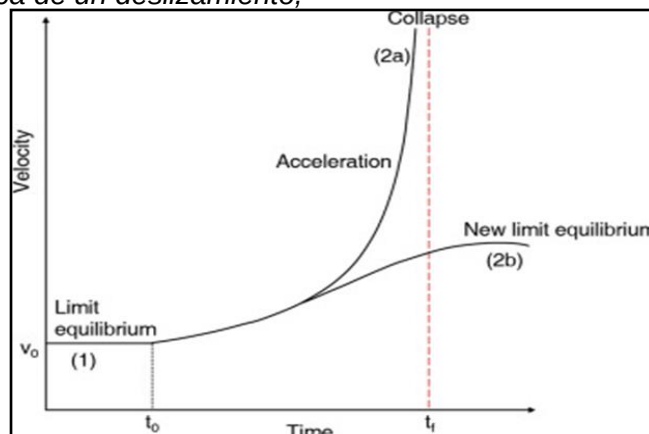
Fuente: Intrieri et al. (2019). "Forecasting the time of failure of landslides at slope-scale: A literature review. Earth-Science Reviews".

Fukuzono, T. (1985a). "A method to predict the time of slope failure caused by rainfall using the inverse number of velocity of surface displacement".

El autor desarrollo el enfoque más utilizado y simple para encontrar el tiempo de falla de una pendiente, este método es válido para la fluencia terciaria, después de que el deslizamiento experimenta una aceleración en el tiempo t_0 (inicio de la aceleración); en este punto, ocurren dos resultados viables (los cuales se muestran en la Figura 10; el primero es donde la velocidad (v) aumenta asintóticamente hasta que el deslizamiento colapsa en el tiempo t_f , cuando la velocidad teóricamente $v \rightarrow \infty$; y segundo donde la velocidad disminuye y el deslizamiento alcanza otro estado de equilibrio sin colapsar, después de una aceleración inicial.

Figura 10

Evolución cinemática de un deslizamiento;



Nota: después de un período de estabilidad relativa que se caracteriza por una velocidad constante v_0 durante la fluencia secundaria (1), si comienza la fluencia terciaria, el deslizamiento de tierra se acelera hasta el colapso (2a) o se acelera y luego alcanza un nuevo equilibrio (2b). Fuente: Intrieri et al. 2019. "Forecasting the time of failure of landslides at slope-scale: A literature review. Earth-Science Reviews".

El calculó que la velocidad inversa ($1/v$ o Λ) para deformaciones lentas y continuas bajo una carga constante hasta la falla, es la que se muestra en la ecuación 1:

$$\Lambda \equiv \frac{1}{v} = [A(\alpha - 1)]^{\frac{1}{(\alpha-1)}} * (t_f - t)^{\frac{1}{(\alpha-1)}} \quad (1)$$

Donde A y α son dos valores que se encuentran empíricamente y son dependientes entre sí, variando con la relación de consolidación y el tipo de material.

La ecuación 1, se deriva de la correlación lineal entre el logaritmo de la aceleración y el logaritmo de la velocidad durante la fluencia terciaria.

Intrieri et al. (2019). "Forecasting the time of failure of landslides at slope-scale: A literature review. Earth-Science Reviews".

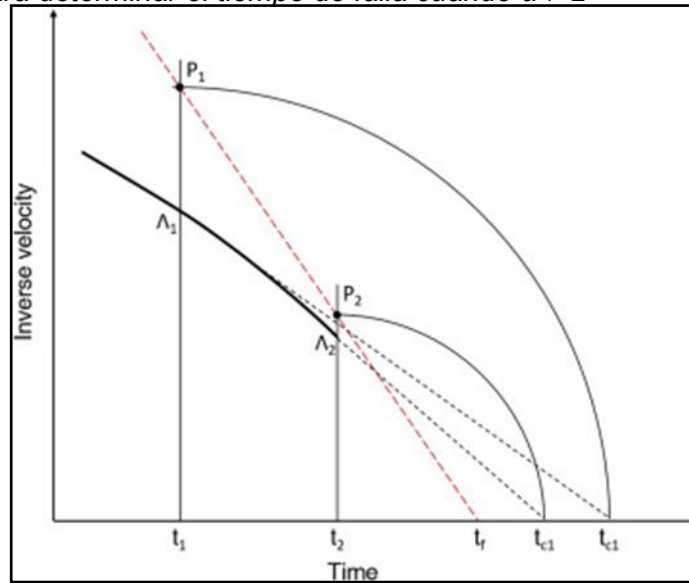
El método gráfico consiste en graficar la inversa de la velocidad versus el tiempo, siempre que el deslizamiento de tierra esté en equilibrio, este método muestra una línea paralela al eje del tiempo; cuando la velocidad aumenta asintóticamente, el gráfico muestra una línea cuya extrapolación intercepta el eje del tiempo ($1/v \rightarrow 0$) cuando $v \rightarrow \infty$. El tiempo que corresponde a la intersección extrapolada indica el tiempo de falla. Si $\alpha = 2$, la gráfica es lineal y el tiempo de falla es igual al tiempo pronosticado por el método de Saito (1969). En este caso, se utiliza una regresión lineal para la extrapolación.

Cuando $\alpha > 2$ o $1 < \alpha < 2$, la curva de velocidad inversa es convexa o cóncava, respectivamente, por lo que Fukuzono (1985a) sugirió un método gráfico diferente en lugar de la regresión lineal. Este método consiste en trazar una recta tangente a la curva en un punto arbitrario Λ_1 que corresponde al tiempo t_1 . La tangente cruza el eje horizontal en el punto t_{c1} luego, el punto P_1 se traza verticalmente sobre Λ_1 de modo que el segmento $t_1 \Lambda_1$ sea igual al segmento $t_1 t_{c1}$.

Este procedimiento se repite para otro punto Λ_2 . La abscisa de t_f en la que una línea recta que conecta P_1 y P_2 cruza el eje horizontal es el tiempo de falla como se muestra en la Figura 11.

Figura 11

Método gráfico para determinar el tiempo de falla cuando $\alpha \neq 2$



Nota: Modificado después de Fukuzono, 1985a, "A method to predict the time of slope failure caused by rainfall using the inverse number of velocity of surface displacement".

2.1.6 Distribución de probabilidad estadística

García M. (2012). "La función de probabilidad normal: Características y aplicaciones".

Datos con distribución normal

También conocida como la función de probabilidad de errores, es una función de probabilidad que se aplica a variables aleatorias continuas y se utiliza ampliamente en ingeniería, física y ciencias sociales. En términos generales, la distribución normal es crucial en estadística por tres razones fundamentales:

- Existen muchos fenómenos continuos que parecen seguirla o se pueden aproximar mediante ella.
- Se puede utilizar para aproximar distribuciones discretas de probabilidad y de esta forma evitar cálculos engorrosos.
- Por su relación con el teorema central del límite es la base de la inferencia estadística clásica.

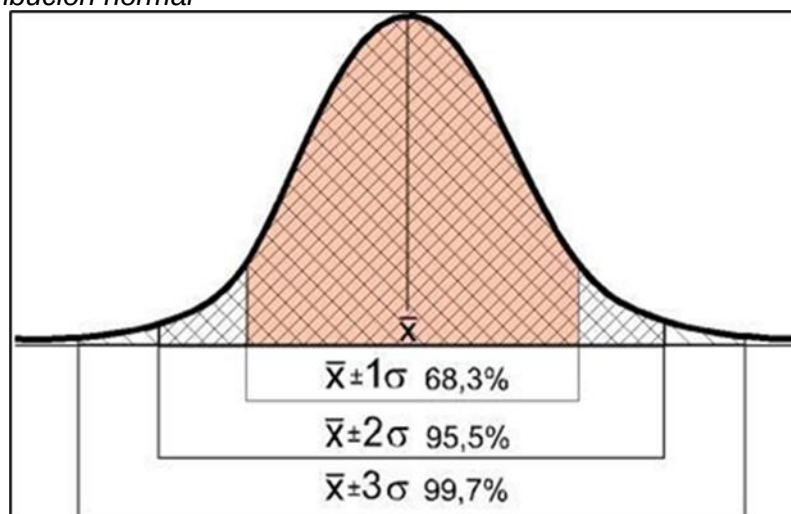
La función de densidad de una distribución normal tiene varios rasgos importantes:

Es una distribución que tiene forma de campana, es simétrica y puede tomar valores entre menos infinito y más infinito como se observa en la Figura 12; es decir, los valores centrales de la variable se presentan con más frecuencia que los valores extremos. Así, por ejemplo, en el caso de los errores de medida, los errores por defecto o por exceso pequeños en valor absoluto se presentan frecuentemente, mientras que los errores grandes, tanto los positivos como los negativos, se observan menos veces.

En segundo lugar, es simétrica respecto a un valor central alrededor del cual toma valores con gran probabilidad mientras que apenas aparecen los valores extremos. De manera que sus medidas de posición central (media, mediana y moda) coinciden. Por último, presenta como asíntota el eje de abscisas al que se va aproximando sin llegar a cortarse.

Figura 12

Curva de distribución normal



Fuente: García M. (2012). Función de probabilidad normal: Características y aplicaciones.

La expresión matemática que representa una función de densidad con estas características es la siguiente:

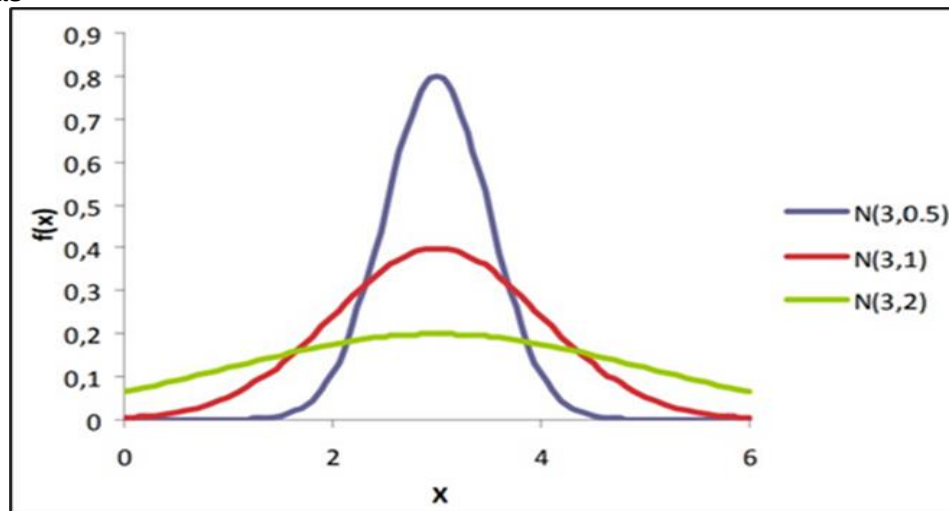
$$f(x) = \frac{1}{\sqrt{2\pi\sigma^2}} e^{-\frac{(x-\mu)^2}{2\sigma^2}} \text{ para } -\infty \leq x \leq \infty$$

Donde, la función de densidad sólo depende de dos parámetros, la media μ , y la varianza de la distribución σ^2 . Si conocemos la media y la varianza de una variable X , podemos definir la distribución normal utilizando la notación: $X \approx N(\mu, \sigma^2)$.

Así mismo, la función de distribución acumulada de cualquier variable aleatoria X por ejemplo se muestra en la Figura 13, se define como $F(x_0) = P(X \leq x_0)$, es decir, la probabilidad de que dicha variable tome un valor menor que x_0 . Matemáticamente esta función de distribución coincide con la integral de la función de densidad desde $-\infty$ hasta el valor x_0 .

Figura 13

Representación de varias funciones de densidad con la misma media, pero diferentes varianzas



Fuente: García M. (2012). Función de probabilidad normal: Características y aplicaciones.

Datos con distribución Log-normal

Es una distribución de probabilidad continua de una variable aleatoria cuyo logaritmo está normalmente distribuido. Es decir, si X es una variable aleatoria con una distribución normal, entonces $\exp(X)$ tiene una distribución log-normal, es decir $e^X \sim \text{Log normal } (\mu_x, \sigma_x^2)$.

Una variable puede ser modelada como log normal si puede ser considerada como un producto multiplicado de muchos pequeños factores independientes.

Una variable aleatoria positiva X tiene una distribución log normal con parámetros μ y σ y escribimos $X \sim \text{Log normal } (\mu, \sigma^2)$, si el logaritmo natural de X sigue una distribución normal con media μ y varianza σ^2 , esto es $\ln(X) \sim N(\mu, \sigma^2)$ sean Φ y ϕ las funciones de distribución acumulada y de densidad de una normal estándar $N(0,1)$ entonces:

$$f_X(x) = \frac{1}{\sigma x \sqrt{2\pi}} \exp \left(-\frac{(\ln x - \mu)^2}{2 \sigma^2} \right)$$

Los umbrales determinados corresponden al análisis de los datos, en cualquiera de estas dos distribuciones en la Tabla 1 y la Tabla 2 se muestra el criterio para la selección de umbrales. Si bien matemáticamente estos umbrales se pueden expresar en infinitos decimales en la práctica esto suele ser poco aplicable por lo que en algunos casos se ha redondeado los valores a múltiplos de 10 o de 5, con el fin de poder escalar estos valores a distintas escalas según necesidad.

Tabla 1

Criterio para umbrales en distribuciones normales

CONDICIÓN	CRITERIO	MEDIDA
Verde	$[0.0 - x + \sigma]$	Se trabaja con normalidad. Talud estable
Amarilla	$[x + \sigma - x + 2\sigma]$	Se evalúa en campo, los trabajos se realizan previa implementación de controles.
Roja	$> x + 2\sigma$	Evacuación, se prohíben los trabajos en zonas de influencia del talud inestable.

Fuente: Elaboración Propia

Tabla 2

Criterio para umbrales en distribución Log-normal

CONDICIÓN	CRITERIO	MEDIDA
Verde	$[0.0 - e^{(x+\sigma)}]$	Se trabaja con normalidad. Talud estable
Amarilla	$[e^{(x+\sigma)} - e^{(x+2\sigma)}]$	Se evalúa en campo, los trabajos se realizan previa implementación de controles.
Roja	$> e^{(x+2\sigma)}$	Evacuación, se prohíben los trabajos en zonas de influencia del talud inestable.

Fuente: Elaboración Propia

2.2 Marco Conceptual

2.2.1 Inactiva

Se define por la ausencia de un incremento en el desplazamiento a lo largo del tiempo. Esto implica que la estabilidad del talud se mantiene constante en el tiempo.

2.2.2 Regresiva

Se distingue porque los desplazamientos incrementan de manera decreciente con el tiempo, tendiendo asintóticamente a un valor final. Esto indica que la condición del talud está evolucionando hacia un estado probablemente estable.

2.2.3 Transgresiva/Transicional

Se identifica porque los desplazamientos incrementan de manera lineal con el tiempo. Esto sugiere que la condición del talud está evolucionando hacia un estado que no necesariamente es estable. Se observa una velocidad constante a lo largo del tiempo.

2.2.4 Progresiva

Se caracteriza por un aumento acelerado de los desplazamientos con el tiempo. Esto indica que la condición del talud está evolucionando hacia un estado que podría ser inestable. Se observa una aceleración, es decir, un incremento en la velocidad de deformación.

2.2.5 Plan de monitoreo geotécnico

El plan de monitoreo geotécnico contempla los equipos de monitoreo y la frecuencia con la que se captura los datos de deformación y de nivel de agua subterránea principalmente, esta frecuencia está sujeta a variación según la interpretación de los datos y los requerimientos que la operación necesite.

2.2.6 Deformaciones

El monitoreo de deformaciones es una Nota de información del desempeño de los diseños implementados, cuya información se utiliza para verificar la integridad y estabilidad de las estructuras existentes en Cerro Corona, así como, para prever eventos que puedan poner en riesgo la seguridad de todos los colaboradores.

2.2.7 Inestabilidad

Sector que experimenta movimiento debido al desequilibrio entre su geometría y la fuerza de gravedad que actúa sobre ella, lo que provoca desprendimientos de materiales de manera constante o intermitente hacia las zonas inferiores, así como posibles fisuras en la parte superior.

2.2.8 Diagrama de caja boxplot

El diagrama de caja de bigotes o boxplot viene a ser una representación gráfica estadística que resume la distribución poblacional de un conjunto de datos mediante 5 datos estadísticos claves; el mínimo es el valor más bajo excluyendo outliers; primer cuartil representado por Q1 el cual nos indica el 25% de los datos que están por debajo de este valor; mediana o segundo cuartil representado por Q2 el cual nos indica el 50% de los datos; tercer cuartil representado por Q3 el cual nos indica el 75% de los datos están por debajo de este valor ;y máximo el valor más alto excluyendo outliers.

Capítulo III. Desarrollo del trabajo de investigación

3.1 Unidad de análisis

3.1.1 Ubicación

GoldFields (2023). “GYE-D-004-Plan de Gestión de Control de Terreno para Tajo Abierto y Depósito de Desmonte”

La unidad de análisis de la investigación está definida por el registro de eventos históricos en la zona Este en el proyecto Cerro Corona el cual dista aproximadamente de 19 kilómetros (km) al noreste del poblado de Hualgayoc, a 80 kilómetros (km) de Cajamarca, provincia de Hualgayoc, distrito de Hualgayoc a una altitud desde 3300 hasta 3900 m.s.n.m. como se muestra en la Figura 14.

Es accesible por una carretera afirmada que va desde Cajamarca-Hualgayoc-Chota, de donde se bifurca hacia el campamento a la altura del kilómetro (km) 77 en el sector de Coimolache por una trocha carrozable con dirección al Paraje El Tingo; En la Tabla 3, se muestra las coordenadas UTM WGS84 recopilada por el área de topografía de Gold Fields La Cima S.A.

Tabla 3

Coordenadas UTM WGS84 - Zona 17S

VÉRTICE	NORTE	ESTE	COTA
1	762361	9252371	3920
2	763646	9252371	3698
3	763646	9251219	3772
4	762361	5251219	3894

Nota: Recopilación del área topográfica Gold Fields La Cima S.A. Tajo – U.M. Cerro Corona

Ubicación de la zona de estudio



GoldFields (2023). “GYE-D-004-Plan de Gestión de Control de Terreno para Tajo Abierto y Depósito de Desmonte”

Tabla 4

ORIGEN	DESTINO	TIPO DE VÍA	TIEMPO (H)	DISTANCIA (KM)
Lima	Cajamarca	Asfaltada	15	860
Cajamarca	Cerro Corona	Asfaltada - Afirmada	2.5	90

25

Figura 15

Acceso de la zona de estudio



Fuente: Elaboración en Google Earth, diseño propio.

3.2 Contexto geológico

3.2.1 Geología regional

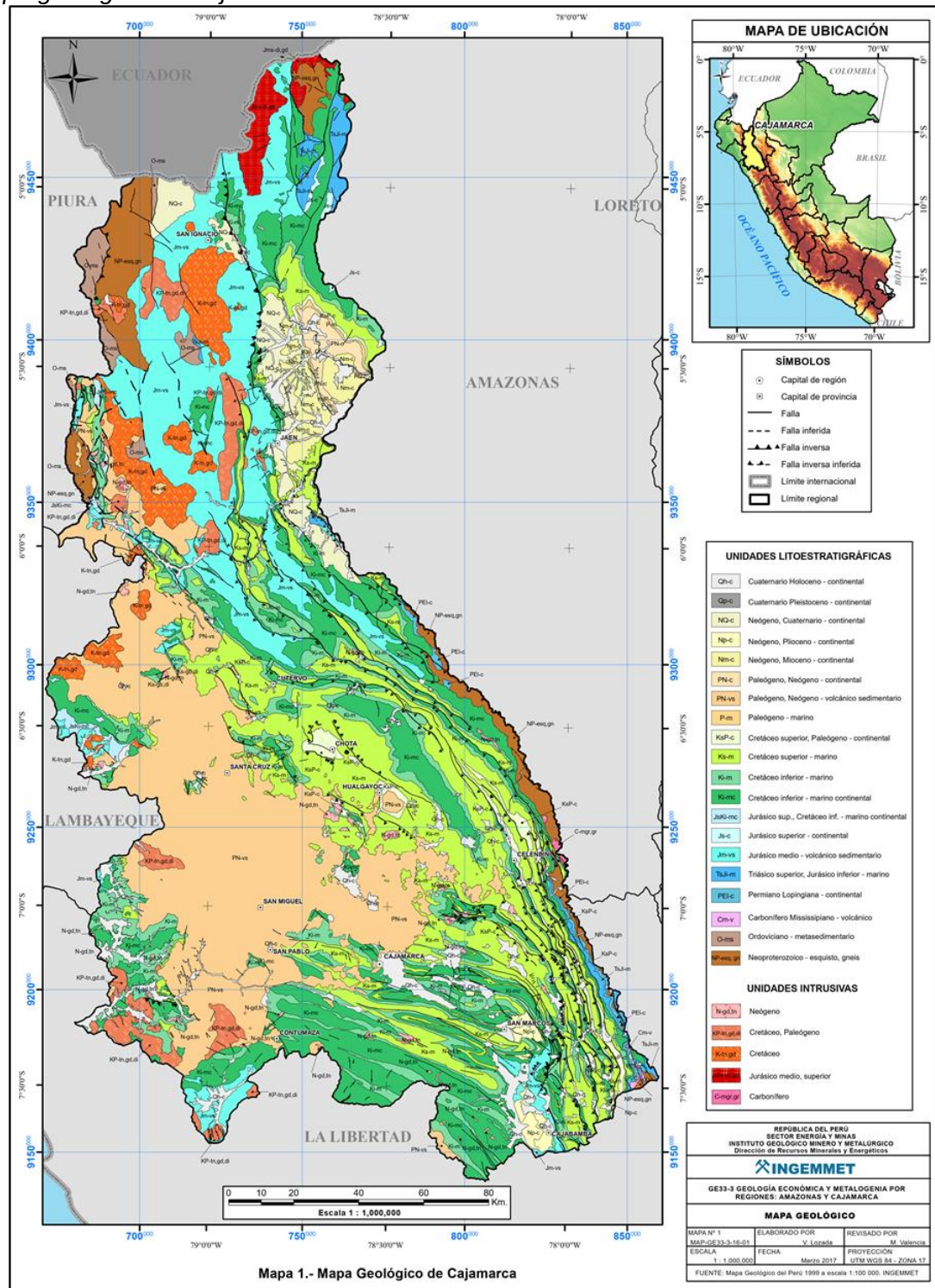
Ángel Uzategui, et al. (2016). “Mineralización y Fases Intrusivas en el Pórfido de Cobre-Oro-Molibdeno de Cerro Corona. XVIII Congreso Peruano de Geología”.

El marco geológico regional de rocas clásticas del grupo Goyllarisquizga y carbonatadas de las formaciones Inca, Chúlec, Pariatambo y Yumagual presentes en el distrito minero de Hualgayoc, de edad Mesozoica (Cretáceo Inferior-Superior, 135-91 M.a.). En la Figura 16 el mapa geológico de Cajamarca y Figura 17 se muestra una ilustración del mapa geológico regional de Cerro Corona, Benavides en 1956, Wilson en 1984).

La actividad magmática relacionada a la formación de depósitos minerales en el distrito de Hualgayoc tuvo lugar en régimen después de la Orogenia Quechua I (17 M.a.) emplazándose múltiples pulsos de intrusión de composición diorítica – dacítica, incluyendo el stock Cerro Corona (14.4 M.a.) y el stock de Cerro Las Gordas (12.73 M.a.) entre otros.

Figura 16

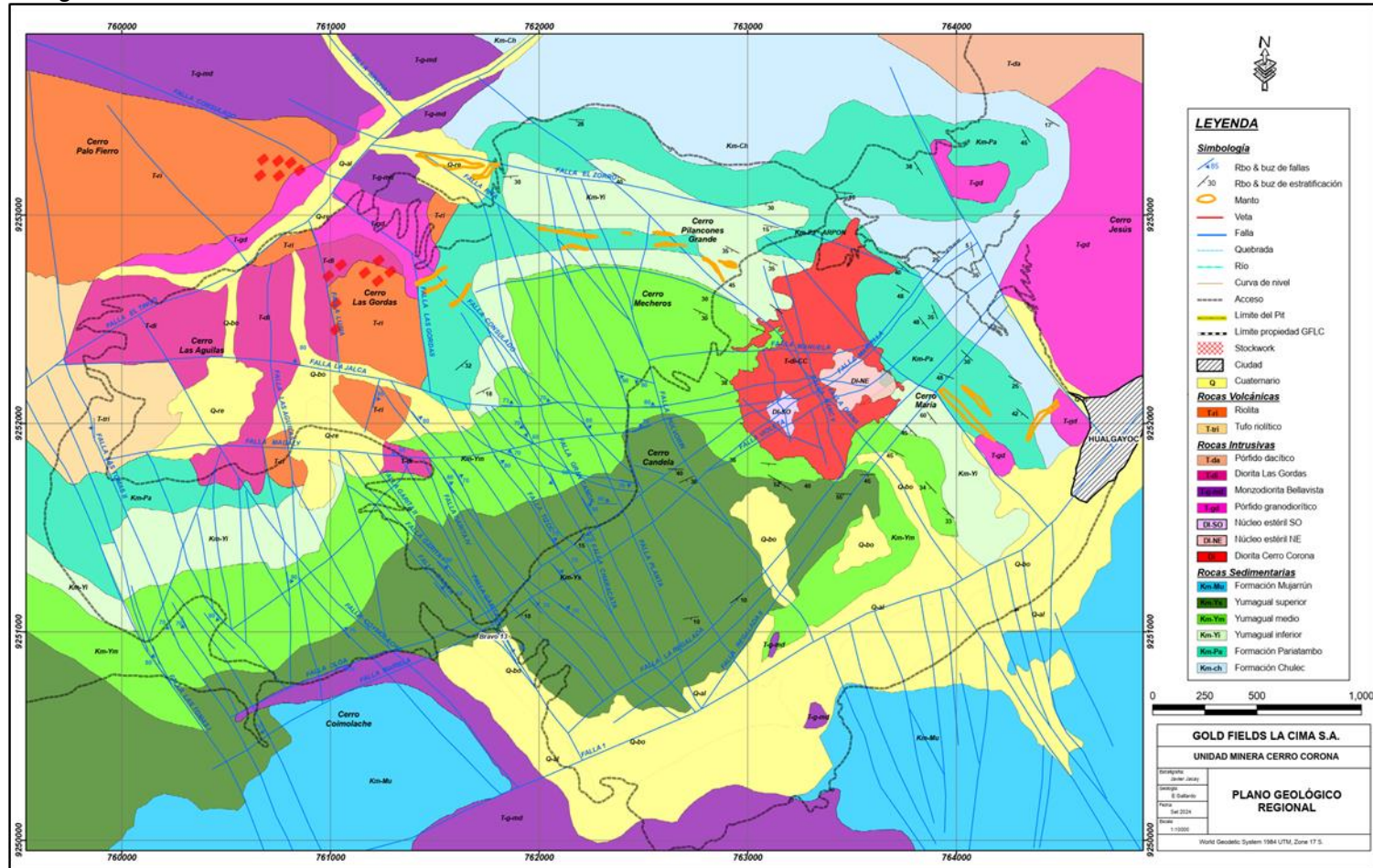
Mapa geológico de Cajamarca



Fuente: Instituto Geológico Minero y Metalúrgico (2017). Boletín N° 31: "Geología de los Cuadrantes de Cajamarca, San Marcos y Cajabamba"

Figura 17

Mapa geológico regional U.M. Cerro Corona



Fuente: Departamento de Geología Gold Fields S.A.

3.2.2 Estratigrafía

Luis Reyes Rivera (1980). “Geología de los Cuadrantes de Cajamarca, San Marcos y Cajabamba”. Boletín N° 31, Instituto Geológico Minero y Metalúrgico.

La región de Cajamarca, donde se ubica la unidad de análisis forma parte de la Cordillera Occidental al norte del Perú; geomorfológicamente, el terreno presenta valles interandinos profundos (Jequetepeque y Chicama) y superficies de erosión escalonadas, producto de varios eventos tectónicos y climáticos a lo largo del tiempo.

Estratigráficamente como se observa en la Figura 18, la secuencia geológica regional incluye:

Grupo Mitu

El Grupo Mitu (Mc. Laughlin, 1925) aflora en el vértice noreste del cuadrángulo de San Marcos, ocupando una extensión aproximada de 1 km². Rocas pertenecientes a este grupo se extiende fuera de los límites, tanto al sur como al noreste del área.

La composición litológica sugiere que el grupo corresponde a depósitos continentales deltaicos o a lagos de poca profundidad.

En el área de estudio del Grupo Mitu, yace discordantemente sobre el Complejo del Marañón y debajo del Grupo Pucará, perteneciente al Pérmico Superior; encontrándose clásticos continentales como areniscas y conglomerados.

Grupo Pucará

El Grupo Pucará (Mc. Laughlin, 1925; Jenks, 1951) presenta afloramientos restringidos dentro del área y yace con moderada discordancia sobre el Grupo Mitu e infrayace igualmente al Grupo Goyllarisquizga.

Litológicamente, se compone de calizas paradas algo azuladas, bien estratificadas, macizas en la parte superior, duras y resistentes a la erosión formando grandes escarpas. Contienen sílice y nódulos silíceos.

El grupo Pucará representa una transgresión marina de ámbito regional, cuyos materiales fueron depositados a diferentes profundidades prevaleciendo un ambiente

reducción; para el área de estudio se le asigna una edad Triásico-Jurásico, cuyos afloramientos encontramos calizas marinas.

Formación Chicama

Stappenbeck (1929) dio el nombre de Formación Chicama a un conjunto litológico que aflora en la parte baja del valle de Chicama, situado al Oeste del área del presente trabajo de investigación en la que existe una secuencia ligera variante, como la que se expone cerca al puente del río Crisnejas donde superficialmente sufre un cambio de coloración.

La litología y el alto contenido de pirita en los sedimentos de la Formación Chicama, sugiere que el material se depositó en una cuenca anaeróbica, en donde prevalecía un ambiente reductor. Los sectores donde la formación muestra una coloración rojiza con mayor contenido de areniscas pueden representar el borde de esta cuenca, ya que se tiene la seguridad de que los sedimentos titonianos no se depositaron hacia el este del flanco occidental del Geoanticlinal del Marañón.

Es de anotar que el límite de la cuenca marcha paralelo a la gran curvatura que forman estructuras a la altura de San Marcos, Matará, Namora, San Juan, Magdalena y Valle de Jequetepeque (Cajamarca), pasando de una dirección SE-NO a E-O; la unidad de análisis encontramos lutitas negras laminadas, de ambiente marino profundo, ricas en pirita.

Grupo Goyllarisquizga

Inicialmente fue determinada como formación por Mc. Laughlin, 1925; Este grupo en su dacies de plataforma ha sido estudiada bajo la dominación de grupo y en su facies de cuenta ha sido diferenciado en las formaciones Chimú, Santa, Carhuaz y Farrat.

Litológicamente consiste en cuarcitas blancas masivas y areniscas generalmente de grano medio y color blanquecino, en la parte inferior, con intercalaciones delgadas de lutitas marrones y grises en la parte superior. Su grosor oscila entre 200 y 500 m., con tendencia a adelgazarse hacia el oeste.

Formación Chimú, Formación Santa, Formación Carhuaz, Formación Farrat

La Formación Chimú (Benavides, 1956), aflora yaciendo mayormente en forma concordante, sobre la Formación Chicama, (lo más probables es que exista una discordancia paralela) e infrayaciendo con igual carácter a la Formación Santa.

Litológicamente la Formación Chimú consiste en una alternancia de areniscas, cuarcitas y lutitas en la parte inferior y de una potente secuencia de cuarcitas blancas, en bancos gruesos, en la parte superior; es frecuentemente encontrar en los niveles inferiores e intermedios de la Formación Chimú mantos de carbón, como en Callacullán y Yanahuanca, al este de Quinruvilca asimismo al norte y oeste del Cerro Huaylillas y al sur de Huamachuco.

La Formación Santa (Benavides, 1956), consiste en una intercalación de lutitas y calizas margosas, y areniscas gris oscuras, con un grosor que oscila entre los 100 y 150 m. Sobreyace a la Formación Chimú e infrayace a la Formación Carhuaz, aparentemente con discordancia paralela en ambos casos.

La formación Santa intemperiza generalmente con un tono gris marrón. Localmente contiene nódulos calcáreos y como sus afloramientos topográficamente conforman depresiones, están cubiertos mayormente por suelo, razón por la que sólo son observables en los cortes de quebradas y carreteras. Siempre dá terrenos blancos, deleznales y fangosos. Ocasionalmente tiene horizontes fosilíferos.

La formación Carhuaz descrita inicialmente por Benavides (1956), en el área tiene aproximadamente un grosor de 500 m., con incremento hacia el sur y disminución hacia el noreste. La Formación Carhuaz yace con suave discordancia sobre la formación Santa e infrayace concordantemente a la formación Farrat.

Consta de una alternancia de areniscas con lutitas grises, las primeras con matices rojizos, violetas y verdosos (características principales para diferenciarla en el campo). Hacia la parte superior contiene bancos de cuarcitas blancas que se intercalan con lutitas y areniscas. Solamente en la bajada a la hacienda Jocos (Cajamarca) se ha observado por vez primera, delgados lechos carbonosos en esta formación.

La Formación Farrat suprayace con aparente concordancia a la formación Carhuaz y subyace, con la misma relación, a la formación Inca, dando la impresión en muchos lugares, de tratarse de un paso gradual.

Por su similitud litológica con la Formación Chimú es fácil confundirlas, siendo necesario en el campo, establecer muy bien sus relaciones estratigráficas para diferenciarlas, aunque en algunos casos solamente por la falta de mantos de carbón es posible diferenciarla de la Formación Chimú.

Formación Inca, Formación Chúlec, Formación Pariatambo

La Formación Inca, inicialmente llamada “Capas Rojas” del Barremiano por Tafur (1950), fue posteriormente definida por Benavides (1956) como formación Inca, refiriéndose a los afloramientos al este de los Baños del Inca en Cajamarca.

Infrayace concordantemente a la Formación Chúlec y suprayace con la misma relación a la formación Farrat, con un aparente paso transicional. En varios lugares, se ha observado que gradualmente se intercalan areniscas calcáreas, lutitas ferruginosas y lechos de cuarcitas, dando en superficie un matiz amarillento. En los alrededores de Cajamarca es de coloración rojiza, pero en el resto del área, el color predominante es amarillo-anaranjado, con evidente acción de limonitización. Su grosor no pasa de los 100 m; Esta formación representa a la cuenca occidental, caracterizada entonces por un mar de poca profundidad con corrientes turbulentas y bien oxigenado.

La formación Chúlec fue determinada por Mc. Laughlin (1925) y al igual que en los Andes centrales, se extiende en la zona norte del Perú suprayaciendo concordantemente a la Formación Inca e infrayaciendo con la misma relación a la Formación Pariatambo.

Litológicamente, consta de una secuencia bastante fosilífera de calizas arenosas, lutitas calcáreas y margas, las que por intemperismo adquieren un color crema-amarillento. Su aspecto terroso amarillento es una característica para distinguirla en el campo. Sus grosores varían de 200 a 250 m. con tendencia a aumentar hacia el suroeste; generalmente, los bancos de margas se presentan muy nodulosos y las calizas frescas muestran colores gris-parduzcos algo azulados.

La Formación Pariatambo fue inicialmente estudiada por Mc. Laughlin (1925); en el área consiste en una alternancia de lutitas con lechos delgados de calizas bituminosas negruzcas, estratos calcáreos con nódulos sílceos (chert) y dolomíticos, con un característico olor fétido al fracturarlas. Generalmente, su espesor oscila entre los 150 a 200 m. La Formación Pariatambo yace concordantemente sobre la Formación Chúlec e infrayace, con suave discordancia a la Formación Yumagual; relación observable en la cuenca de Pulluicana, en la carretera Cajamarca-La Encañada, al este de los Baños del Inca. En el sector oriental se hace algo masiva y cambia lateralmente a la facies del valle del Marañón. Las mejores exposiciones de esta unidad se hallan en los alrededores de Cajamarca, La Encañada, San Marcos y hacienda Tambería.

Formación Yumagual

Esta denominación fue dada por Tafur (1950) y Benavides (1956). Suprayace con leve discordancia a la Formación Pariatambo e infrayace con aparente concordancia a la Formación Mujarrún y Grupo Quilquiñán indiviso.

La Formación Yumagual consiste en una secuencia de margas y calizas gris parduzcas en bancos más o menos uniformes, destacando un miembro mediolutáceo margoso, amarillento, dentro de un conjunto homogéneo presenta escarpas elongadas debido a su dureza uniforme. Algunas veces se intercalan bancos calcáreos, compuestos en su mayor parte por restos de fósiles y microfósiles (pampa de Huanico y comienzo del desarrollo de la carretera hacia la hacienda Huagal). En algunos horizontes se observan nodulaciones calcáreas. Tiene un grosor aproximado de 700 m.

Formación Mujarrun, Grupo Quilquiñán

Tafur (1950) reconoció con el nombre de Formación Mujarrún y Quilquiñán a dos unidades consecutivas, integradas dentro de los grupos Pulluicana, y Otuzco respectivamente; más tarde, Benavides (1956) diferencia en la Formación Mujarrún a los miembros Choro y Culebra y eleva a la categoría de grupo a la formación Quilquiñán, diferenciando dentro de él a las Formaciones Romirón y Coñor.

La parte inferior de la secuencia (Formación Mujarrún) descansa concordantemente sobre la Formación Yumagual, mientras que su parte superior (Grupo Quilquiñán), infrayace con discordancia paralela a la formación Cajamarca.

La base consiste en una gruesa secuencia de calizas nodulares macizas (miembro Choro), seguida de una intercalación de margas y lutitas amarillentas con abundantes elementos del género *Exogyra* (miembro Culebra). Continúan delgados lechos de calizas nodulares con margas pardo-amarillentas también fosilíferas (Formación Romirón). Finalmente, bancos de calizas claras con lutitas arenosas y margas delgadas con abundantes fósiles (Formación Coñor).

Formación Cajamarca

La Formación Cajamarca, nombre dado por Benavides (1956), corresponde a una de las secuencias calcáreas del Cretáceo superior que más destaca topográficamente, por su homogeneidad litológica y ocurrencia en bancos gruesos y duros, cuyos afloramientos exhiben una topografía kárstica con fuertes pendientes y en muchos casos barrancos de paredes inaccesibles. Su grosor varía entre los 600 m. y 700 m.

Consiste generalmente de calizas gris oscuras o azuladas y macizas, con delgados lechos de lutitas y margas de los mismos colores. Las primeras se presentan en gruesos bancos con escasos fósiles, a diferencia de las segundas que sí contienen abundante fauna.

Los afloramientos de la Formación Cajamarca son frecuentes a partir de los ríos Crisnejas y San Jorge, de donde se propagan hacia el norte. Generalmente ocupan las partes más altas de la región y conforman largos sinclinales, tal como sucede en los cerros Huaquén y Chontayoc, al norte de la hacienda Sunchubamba y en la Pampa de la Culebra y hacienda Sangal.

Formación Celendín, Formación Chota, Formación Huaylas

La Formación Celendín fue inicialmente estudiada por Benavides (1956) y en el norte del Perú constituye la última secuencia calcárea del Cretáceo superior. Suprayace concordantemente a la formación Cajamarca e infrayace a los depósitos continentales de

la formación Chota en aparente gradación o cierta discordancia, según los lugares; Consiste en una intercalación de lutitas, margas y calizas delgadas de color claro, amarillento o crema por intemperismo; generalmente es bastante fosilífera.

La Formación Chota, tiene una amplia distribución en el sector oriental del área, especialmente a lo largo del flanco occidental del río Marañón (alrededores del río Crisnejas, Oxamarca y Celendín).

La relación con la Formación Celendín en algunos lugares es de aparente conformidad, presentándose con un cambio gradual de litología.

Litológicamente, la Formación Chota está constituida por un conglomerado calcáreo gris parduzco en el sector occidental del área y areniscas rojizas intercaladas con bancos de arenas tobáceas de colores claros, verdosos y violáceos, en la parte oriental.

La Formación Huaylas fue reconocida en la Cordillera Negra (Wilson, Reyes y Garayar, 1967) como una secuencia conglomerádica constituida por intercalaciones de areniscas y lutitas rojizas que se estimaron aproximadamente en 200 m. de espesor.

La litología de la Formación Huaylas está constituida por conglomerados cuyos elementos son predominantemente rodados de cuarcita en matriz arenosa, rojiza, con diámetros de 3 a 10 cm. que suprayacen con discordancia angular a las unidades del Cretáceo y subyace en discordancia paralela a los Volcánicos del Grupo Calipuy.

Estructuralmente se le ve afectada por una compresión de menor intensidad en relación con las unidades del Cretáceo inferior y medio, considerando por ello que se depositó después de la primera fase, la que probablemente fue intensa en esta región.

Grupo Calipuy: Volcánico Tembladera, Volcánico Chilete y Volcánico San Pablo

El Grupo Calipuy es el producto de un vulcanismo post-tectónico en la región cordillerana y representa el magmatismo efusivo que siguió al emplazamiento definitivo del batolito costanero. Generalmente, la disposición de esta serie vulcano-clástica ha sido subaérea y de gran extensión. Los agudos picos de andesitas y dacitas que se destacan al este y noreste de Quiruvilca (con los nombres de Chicahuanca, Rucas, Yanahuanca, Cashuro, Chapa, etc.). posiblemente correspondan a cuellos o chimeneas volcánicas que

alimentaron los niveles superiores del grupo o bien pueden tratarse de intrusiones hipabisales que ascendieron al final de la acumulación y que causaron la mineralización.

El Volcánico Tembladera y los Volcánicos Chilete y San Pablo, se depositaron discontinuamente y a distancias moderadas, pudiendo faltar todos o parte de ellos por erosión o no deposición. El Grupo Calipuy descansa con discordancia angular sobre la secuencia cretácea.

Litológicamente el Volcánico Tembladera, la parte inferior se compone de bancos andesíticos, que se intercalan con brechas de la misma naturaleza, con matices gris-verdosos; hacia las partes superiores abundan tobas blanquecinas estratificadas en capas delgadas, alternantes con delgados lechos de areniscas y lutitas tobáceas, verdosas o moradas. El grosor aproximado es de 1,000 m.

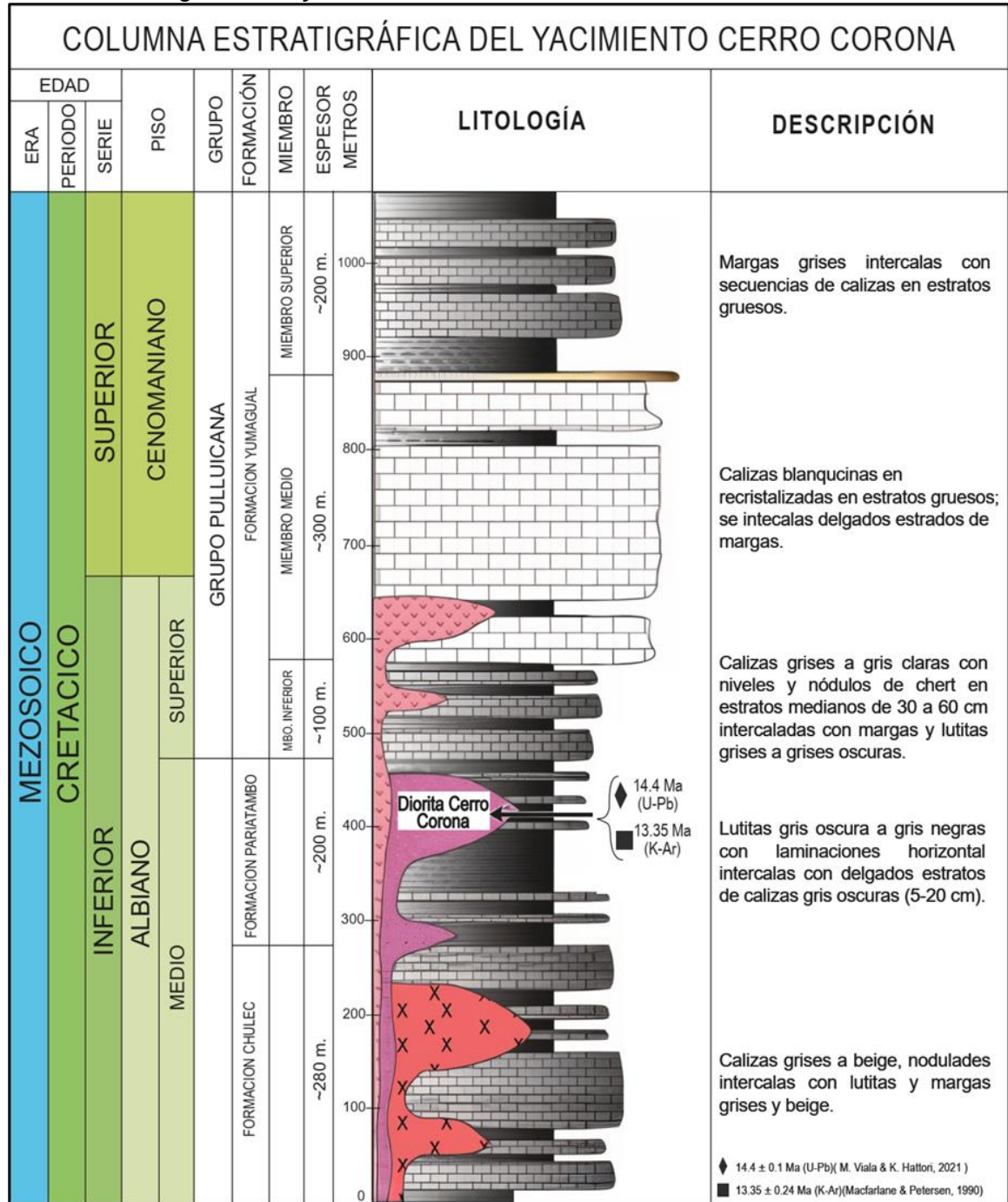
Litológicamente el Volcánico Chilete, consiste en intercalaciones tobáceas, areniscas tobáceas, conglomerados lenticulares y materiales volcánicos retrabajados, mayormente andesíticos, bien estratificados con buzamientos que oscilan entre 25° y 30°.

El Volcánico San pablo, está constituido por gruesos bancos de rocas volcánicas, intercaladas en la base con areniscas rojizas y en la parte superior de una espesa secuencia de aglomerados y piroclásticos bien estratificados. Alcanza un grosor estimado en 900 m.

Durante el Ciclo Andino, la región experimentó movimientos tectónicos importantes, generando pliegues, fallas de alto ángulo y el emplazamiento de cuerpos intrusivos como dioritas y granodioritas, los cuales están relacionados a mineralizaciones metálicas

Figura 18

Columna estratigráfica del yacimiento U.M. Cerro Corona



Fuente: Benavides (1956), Castro (1996), Jacay (2008), Romero (2021); Modificado por el departamento de Geología Gold Fields S.A.

3.2.3 Geología local

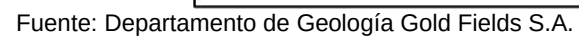
Ángel Uzategui, et al. (2016). “Mineralización y Fases Intrusivas en el Pórfido de Cobre-Oro-Molibdeno de Cerro Corona. XVIII Congreso Peruano de Geología”.

La unidad de análisis, Cerro Corona es un stock diorítico a cuarzo diorítico, que intuyo a las Formaciones Pariatambo y Yumagual como se muestra en la Figura 19. El stock se divide en varios pulsos que se emplazaron en una zona de intersección de fallas andinas y transandinas. Cuerpos mineralizados anulares se formaron alrededor de cada pulso, en donde las zonas de mayor mineralización coinciden con una mayor incidencia de diferentes tipos de vetillas y stockworks. La alteración argílica intermedia es la más extensa y se sobrepone a la alteración fílica y alteración potásica, respectivamente. La silicificación consiste en un reemplazamiento de la roca, así como de relleno de fracturas (stockwork de vetillas) y contiene la mineralización de mejor ley en ciertas zonas y en otras zonas es estéril.

La mineralización de sulfuros hipógenos ha sufrido una oxidación intensa, generándose dos zonas de mineralización supérgena: Primera zona superior lixiviada, con óxidos de hierro y oro libre (zona de oxidación), y segunda zona infrayacente, conteniendo minerales supérgenos de cobre (calcosita y covelita) producto de la removilización y enriquecimiento del cobre (zona de enriquecimiento supergénico); ambos horizontes son sub-paralelos con una potencia máxima de 40 m., la zona intermedia entre ambos conocida como "mixta" (zona transicional); debajo de estas zonas supérgenas, se sitúa la zona primaria (zona hipógena), caracterizado por la presencia de calcopirita, bornita, oro, magnetita, molibdenita, pirita.

Dos sistemas estructurales principales están presentes en el área del depósito. El primero con orientación Andina y caracterizado por las fallas Diana, Nancy, Julia y Rosa y el segundo sistema por las fallas de orientación Tras andina, caracterizado por las fallas Olga, Mariela y Carmen.

Plano geológico local U.M. Cerro Corona



Fases de intrusión y distribución de vetillas

De acuerdo con la clasificación en el desarrollo de un sistema de pórfido de cobre-oro, se ha clasificado los pulsos intrusivos presentes en el depósito de Cerro Corona, como fases intrusivas tempranas, fases intrusivas inter-mineral y fases intrusivas post-mineral o tardías (Sillitoe, 2000). Seis fases intrusivas se han identificado como se observa en la Figura 20. Cada fase del pórfido se considera que es un emplazamiento separado formado por un mecanismo que implica la intrusión de cualquier cuerpo cilíndrico.

Estas inyecciones magmáticas crearon una serie de eventos complejos que se refleja en el emplazamiento de diversas vetillas que conforman el stockwork presente en Cerro Corona, así como vetillas paralelas y finalmente vetas polimetálicas de carácter epitermal tardías.

Una parte de la mineralización del yacimiento consiste de calcopirita y bornita asociadas a alteración potásica y en vetillas tempranas de tipo A.

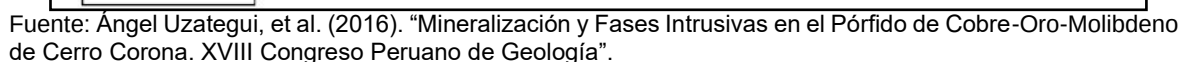
Estas vetillas están formadas en su gran parte de cuarzo anhedral y son irregulares y discontinuas.

Las intrusiones intermedias modificaron los patrones de mineralización y fueron seguidas de vetillas planares de cuarzo con molibdenita tipo B, vetillas tardías de sulfuros tipo C, (mayormente pirita, calcopirita y bornita) y vetillas de tipo D con cuarzo, sulfuros y anhidrita, con halos de sericita y/o clorita, cortando todas las vetillas preexistentes.

También se presentan vetas tardías de cuarzo, drustiforme, con sulfuros (calcopirita, bornita, molibdenita, pirita y calcita), con halo de sericita y cortan a todos los tipos de vetillas del stockwork.

Las vetillas de tipo A se formaron en un ambiente de alta temperatura, con un comportamiento mecánico casi dúctil, mientras las de tipo B en condiciones transicional frágil-dúctil y las de tipo D y vetas en un ambiente netamente frágil, lo que refleja un progresivo enfriamiento del sistema, acompañado de un cambio desde condiciones de presión litostática a hidrostática, desde la etapa de alteración potásica a fílica (Fournier, 1999, Gustafson & Hunt, 1975, Sillitoe, 2000).

Sección esquemática de las fases de intrusiones de la U.M. Cerro Corona



La alteración ha sido descrita principalmente en la zona hipógena, dado que, por encima de ésta, el control de la mineralización se debió a factores supérgenos. Los pulsos intrusivos presentan un centro estéril de mineralización con alteración potásica (feldespato potásico $\pm$ biotita $\pm$ magnetita), con eventual vetilleo de cuarzo $\pm$ magnetita $\pm$ calcita o sobreimposición de otras alteraciones como clorítica o argílica de intensidad moderada a débil. Una fase de alteración fílica (cuarzo - sericita – pirita) circunda a la alteración potásica, donde se emplaza el stockwork de venillas de cuarzo $\pm$ magnetita $\pm$ calcopirita $\pm$ pirita $\pm$ especularita, y presencia significativa de mineralización tanto de oro como de cobre. La alteración argílica intermedia, la más extensa espacialmente en el depósito, se sobreimpone a las alteraciones fílica y potásica.

41

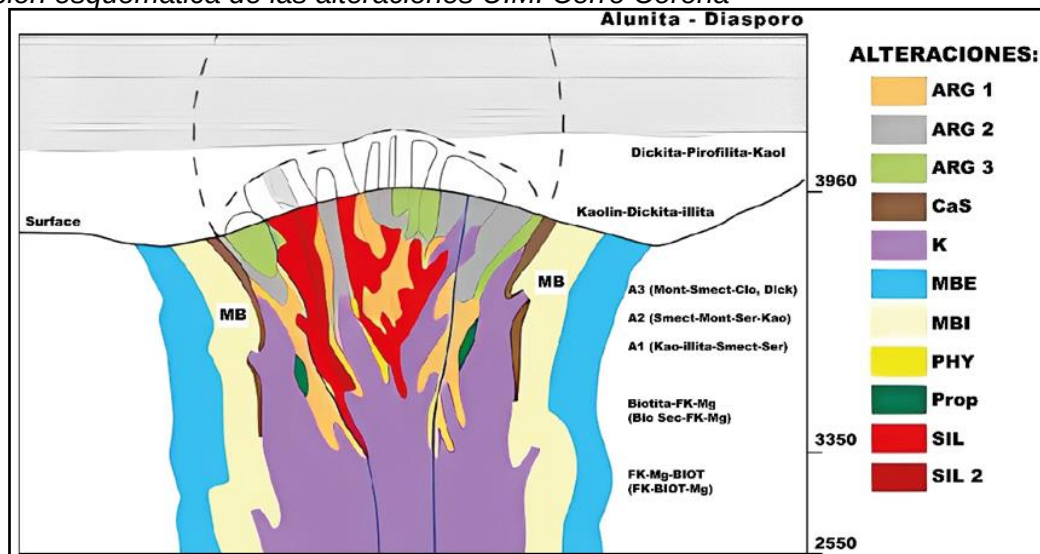
selectiva a pervasiva y menor mineralización en vetilleo de cuarzo $\pm$ magnetita $\pm$ calcopirita $\pm$ pirita. La alteración argílica 3 (A3) con predominancia de montmorillonita $\pm$ esmécticas $\pm$ caolín illita $\pm$ biotita secundaria $\pm$ óxidos de hierro y mineralización en vetillas de cuarzo $\pm$ magnetita $\pm$ calcopirita $\pm$ pirita $\pm$ especularita. La silicificación actúa como reemplazamiento en la roca y de relleno de fracturas (stockwork), es la alteración que contiene la mayor parte de la mineralización. Otras alteraciones de menor importancia como se observa en la Figura 21 por su escasa correlación espacial con la mineralización ocurren también en el depósito.

La mejor mineralización de Cu-Au ocurre en las zonas de stockwork de vetillas de cuarzo-sulfuros con presencia de calcopirita-bornita-oro, alrededor de los pulsos intrusivos en forma concéntrica, generando anillos económicos.

La presencia de vetas tardías de cuarzo drustiforme, presentan diseminación y relleno de microfracturas perpendiculares a dicha estructura, de calcopirita $\pm$ bornita $\pm$ pirita $\pm$ cobres grises (tennantita-enargita) y a veces calcita cristalizada dentro de la drusa junto a cuarzo cristalizado. Estas vetas presentan cierto halo sericítico. La presencia de estas estructuras mineralizadas tardías estarían indicando una posible sobreimposición de un sistema epitermal en un sector del stock porfirítico de Cerro Corona.

Figura 21

Sección esquemática de las alteraciones U.M. Cerro Corona



Fuente: Ángel Uzategui, et al. (2016). "Mineralización y Fases Intrusivas en el Pórfido de Cobre-Oro-Molibdeno de Cerro Corona. XVIII Congreso Peruano de Geología".

3.3 Recolección de datos

Los datos fueron recolectados por georadares IBIS-ArcSAR, GroundProbe y IBIS-Evo; que garantiza los más altos estándares de seguridad para gestionar las condiciones de riesgo con confianza lo cual se verifican con los certificados de mantenimiento en el Anexo III. Se ha utilizado 8 zonas temporales detalladas en el Anexo IV las cuales son:

Zona 1: Se ha empleado 9 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 29/12/2024 desde las 05:07:27 hasta las 20:22:40, siendo un total de 8298 datos recolectados.

Zona 2: Se ha empleado 12 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 02/12/2024 desde las 00:00:27 hasta las 18:14:08, siendo un total de 13224 datos recolectados.

Zona 3: Se ha empleado 8 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 30/11/2024 desde las 00:00:55 hasta las 16:40:51, siendo un total de 8048 datos recolectados.

Zona 4: Se ha empleado 10 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 29/11/2024 desde las 00:00:27 hasta las 17:52:17, siendo un total de 10800 datos recolectados.

Zona 5: Se ha empleado 7 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 29/11/2024 desde las 00:00:27 hasta las 19:51:31, siendo un total de 8400 datos recolectados.

Zona 6: Se ha empleado 12 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 25/10/2024 desde las 00:00:53 hasta las 08:52:27, siendo un total de 6444 datos recolectados.

Zona 7: Se ha empleado 14 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 29/11/2024 desde las 00:00:27 hasta las 17:59:15, siendo un total de 15218 datos recolectados.

Zona 8: Se ha empleado 9 puntos que corresponden a un área con deformación progresiva que se desarrolla el día 21/04/2024 desde las 17:00:13 hasta las 03:28:39 del día 22/04/2024, siendo un total de 10161 datos recolectados.

3.4 Procesamiento de la información

De los datos recolectados se realizaron gráficas de deformación y una comparación estadística cada hora (60 minutos), 30 minutos, 15 min y una comparación general:

3.4.1 Gráficas de deformación

Como se observa en la Figura 22, la tendencia de la gráfica de deformación en la zona 1, exhibe un incremento gradual de la velocidad a lo largo del tiempo, manteniéndose constante y con mínimas variaciones abruptas.

Como se observa en la Figura 23, la tendencia de la gráfica de deformación en la zona 2, se muestra un crecimiento uniforme de los datos de velocidad en función al tiempo, con ligeros cambios mostrándose picos cerca de las 8:00 horas del 02/12/2024.

Como se observa en la Figura 24, la tendencia de gráfica de deformación de la zona 3, se muestra picos eventuales de inestabilidad a partir de las 15:00 horas del 30/11/2024 con fluctuaciones que pueden indicar deslizamientos o de terreno.

Como se observa en la Figura 25, la tendencia de gráfica de deformación de la zona 4, se muestra picos eventuales de inestabilidad a partir de las 14:00 horas del 29/11/2024 con fluctuaciones que pueden indicar deslizamientos o de terreno.

Como se observa en la Figura 26, la tendencia de gráfica de deformación de la zona 5, se muestra picos eventuales de inestabilidad a partir de las 19:00 horas con fluctuaciones que pueden indicar deslizamientos o de terreno.

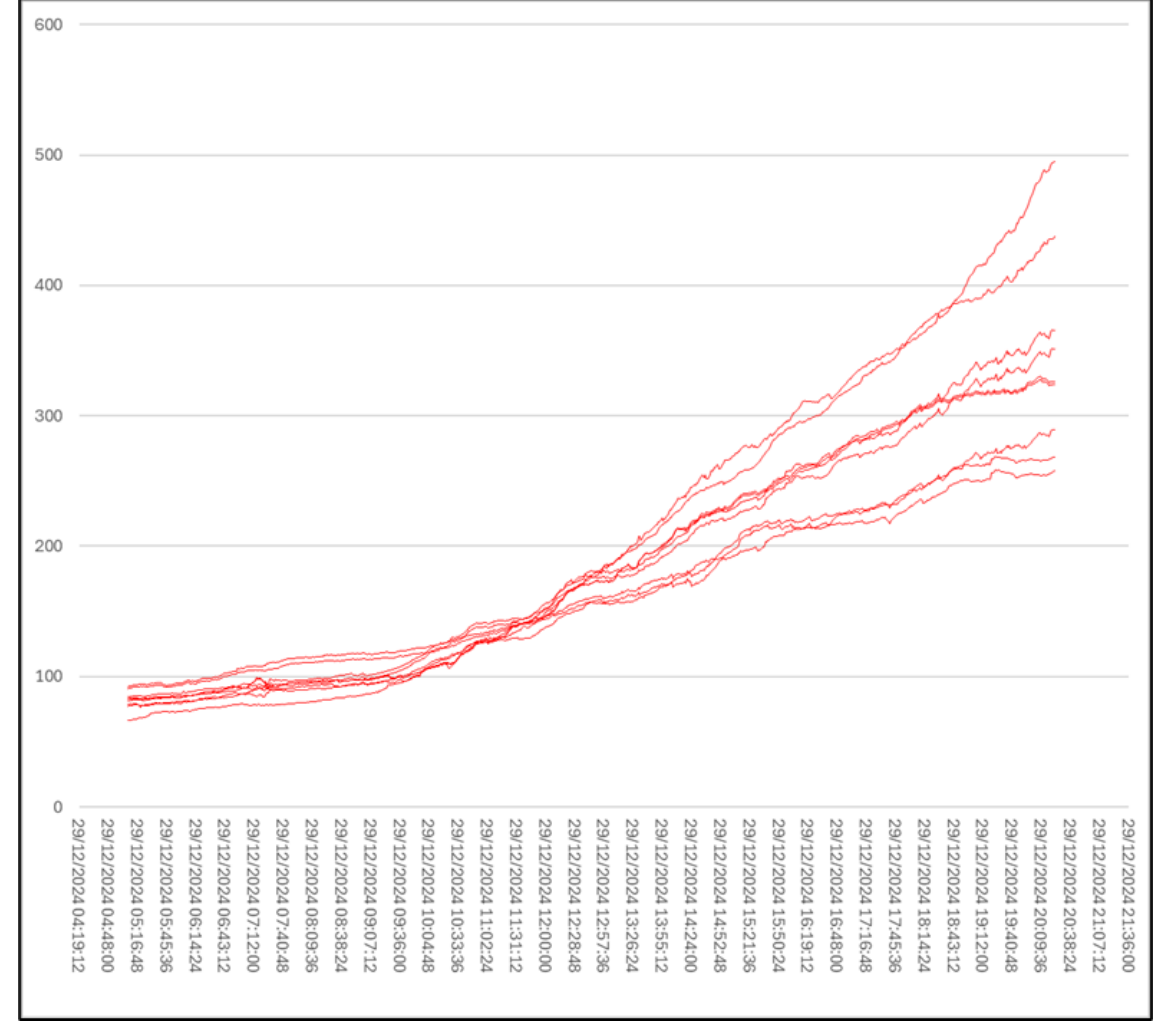
Como se observa en la Figura 27, la tendencia de gráfica de deformación de la zona 6, se muestra picos eventuales de inestabilidad a partir de las 03:00 horas del 25/10/2024 con fluctuaciones que pueden indicar deslizamientos o de terreno.

Como se observa en la Figura 28, la tendencia de gráfica de deformación de la zona 7, se muestra picos eventuales de inestabilidad a partir de las 08:00 horas del 29/11/2024 con fluctuaciones que pueden indicar deslizamientos o de terreno.

Como se observa en la Figura 29, la tendencia de gráfica de deformación de la zona 8, se muestra un aumento progresivo de la velocidad en función del tiempo y constante.

Figura 22

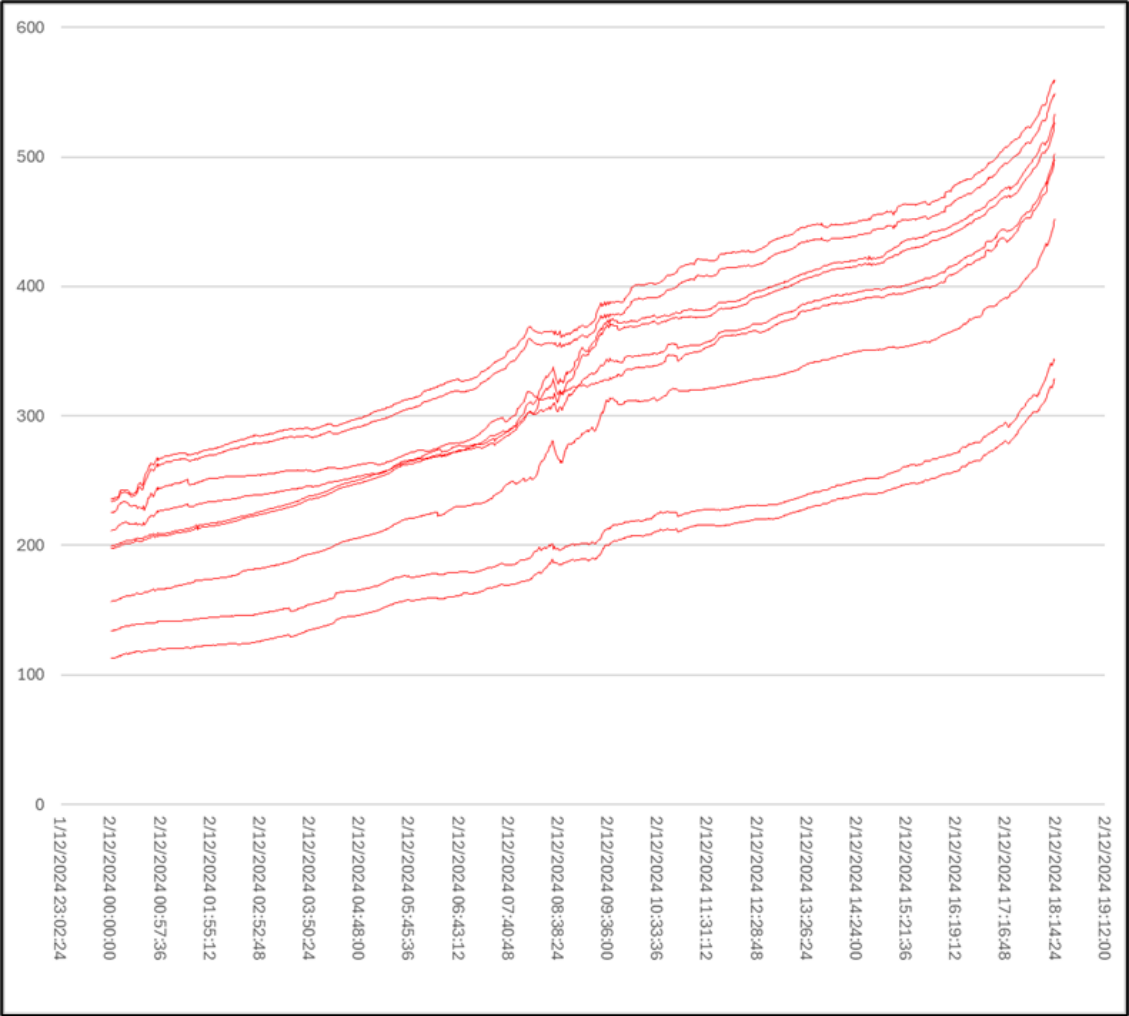
Gráfica de deformación en la Zona 1



Fuente: Elaboración propia.

Figura 23

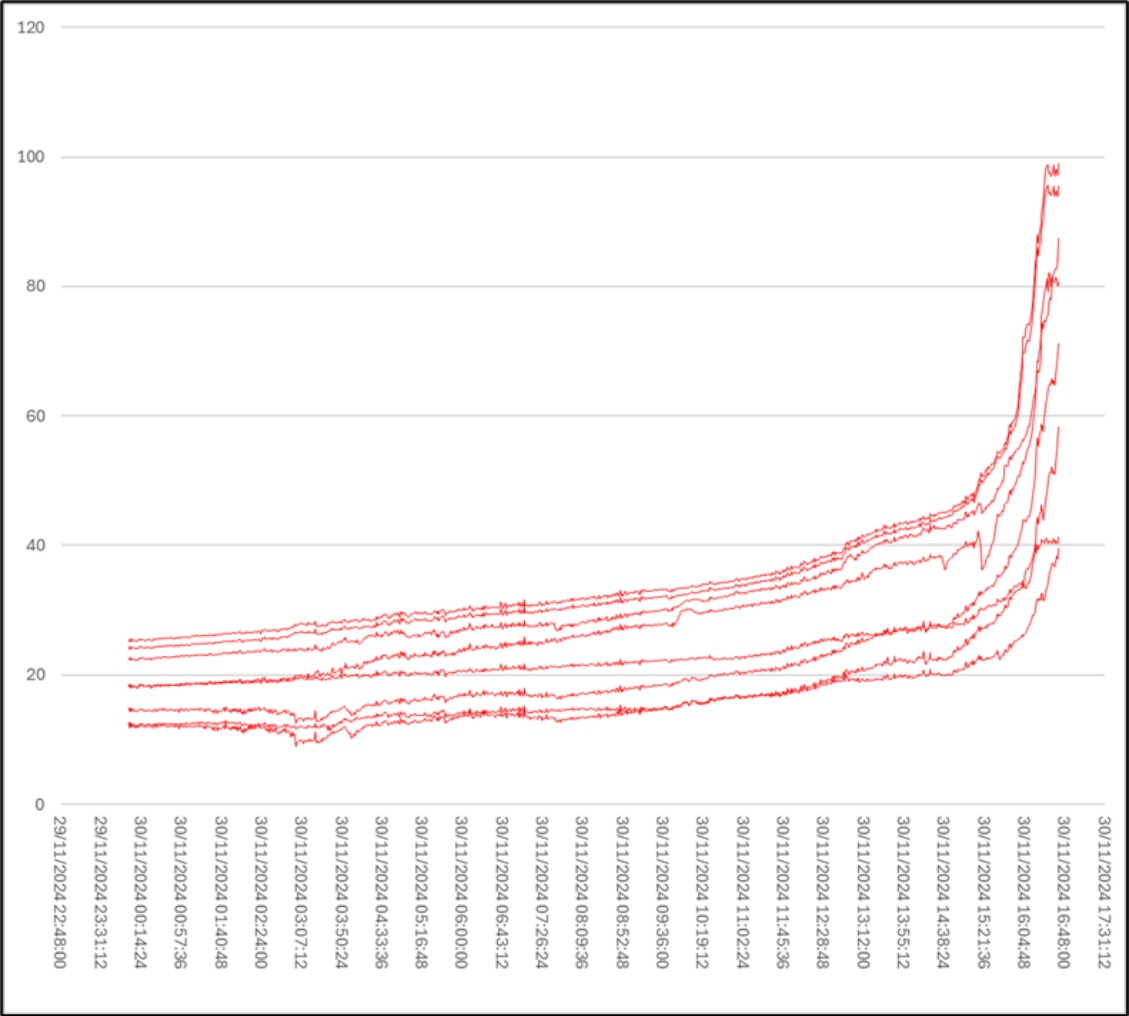
Gráfica de deformación en la Zona 2



Fuente: Elaboración propia.

Figura 24

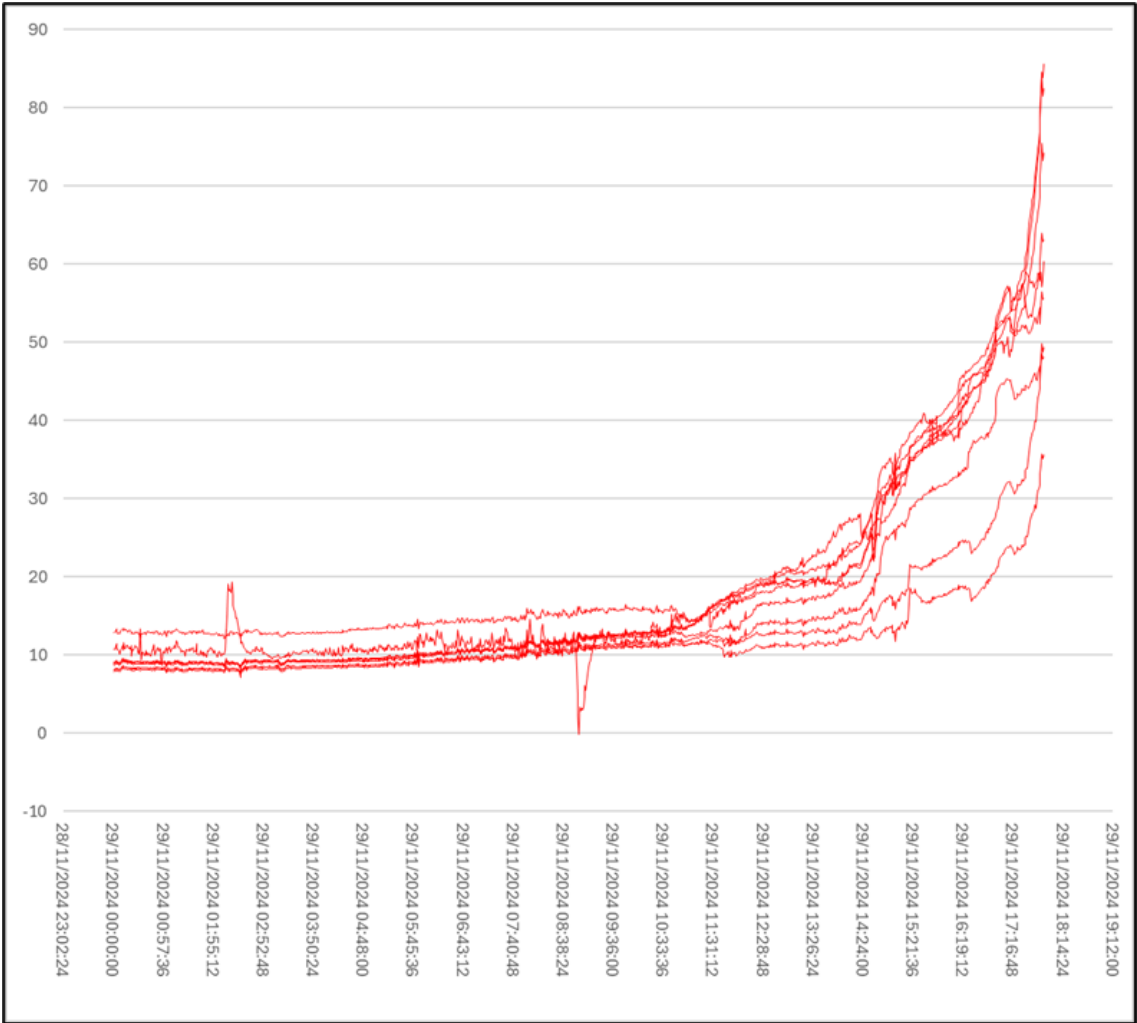
Gráfica de deformación en la Zona 3



Fuente: Elaboración propia.

Figura 25

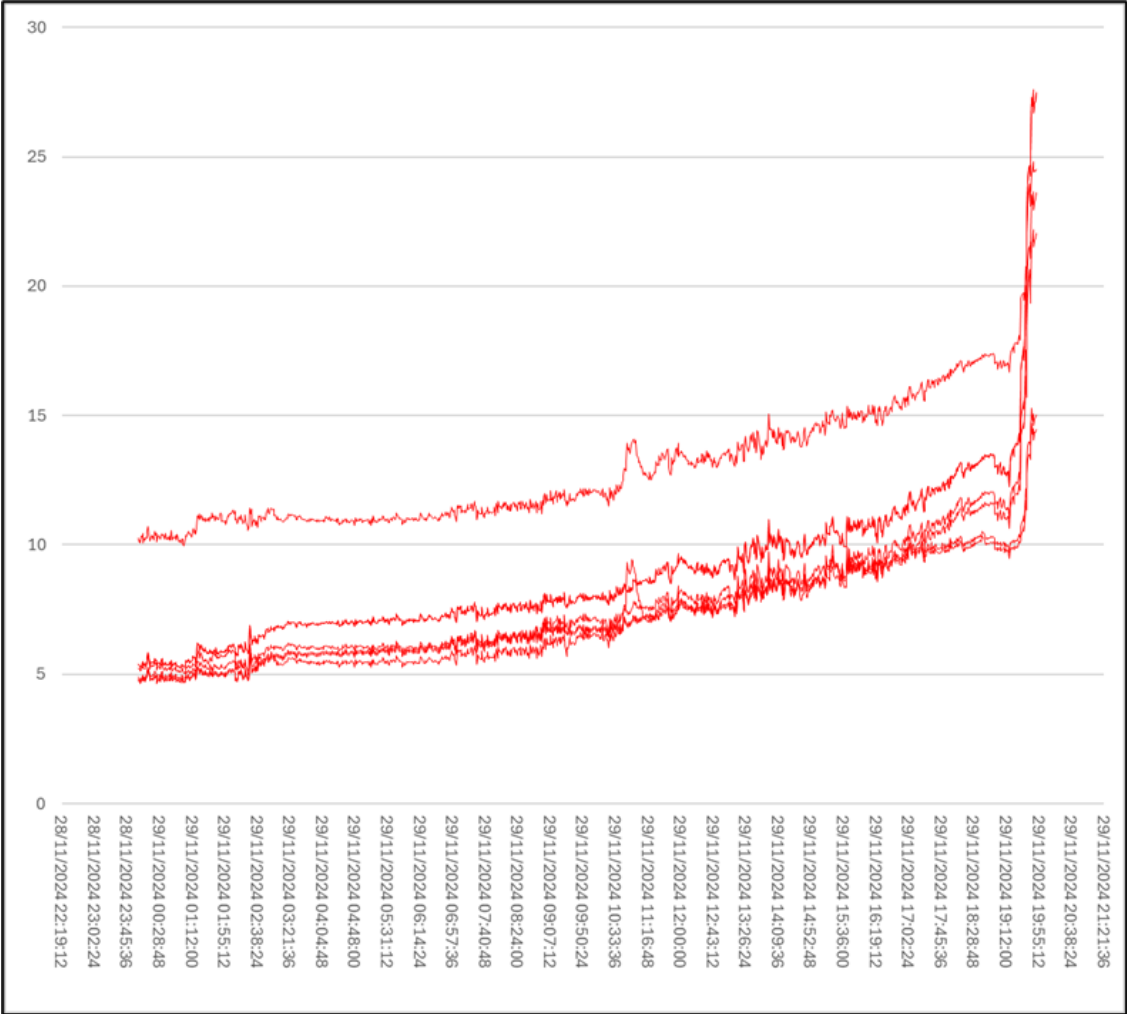
Gráfica de deformación en la Zona 4



Fuente: Elaboración propia.

Figura 26

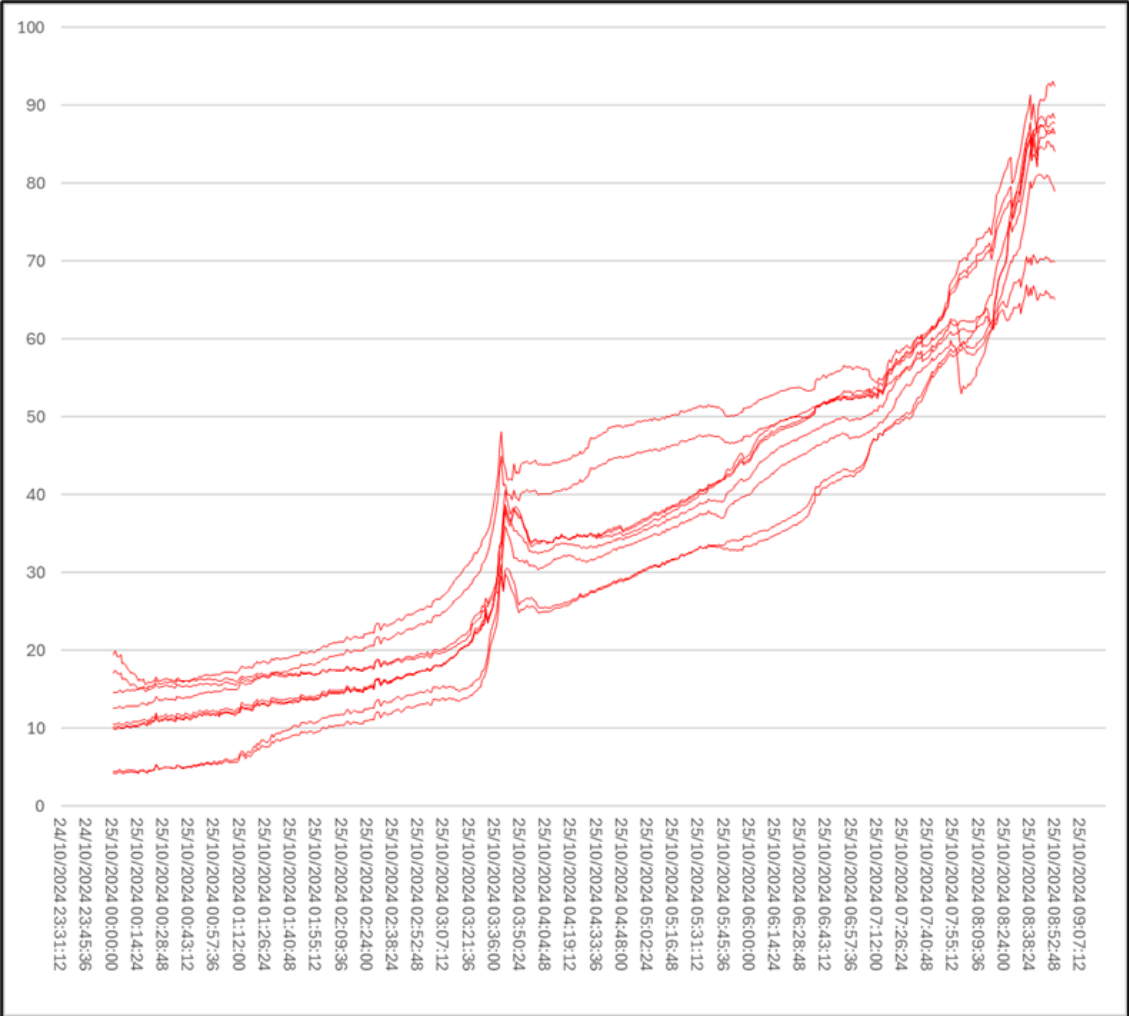
Gráfica de deformación en la Zona 5



Fuente: Elaboración propia.

Figura 27

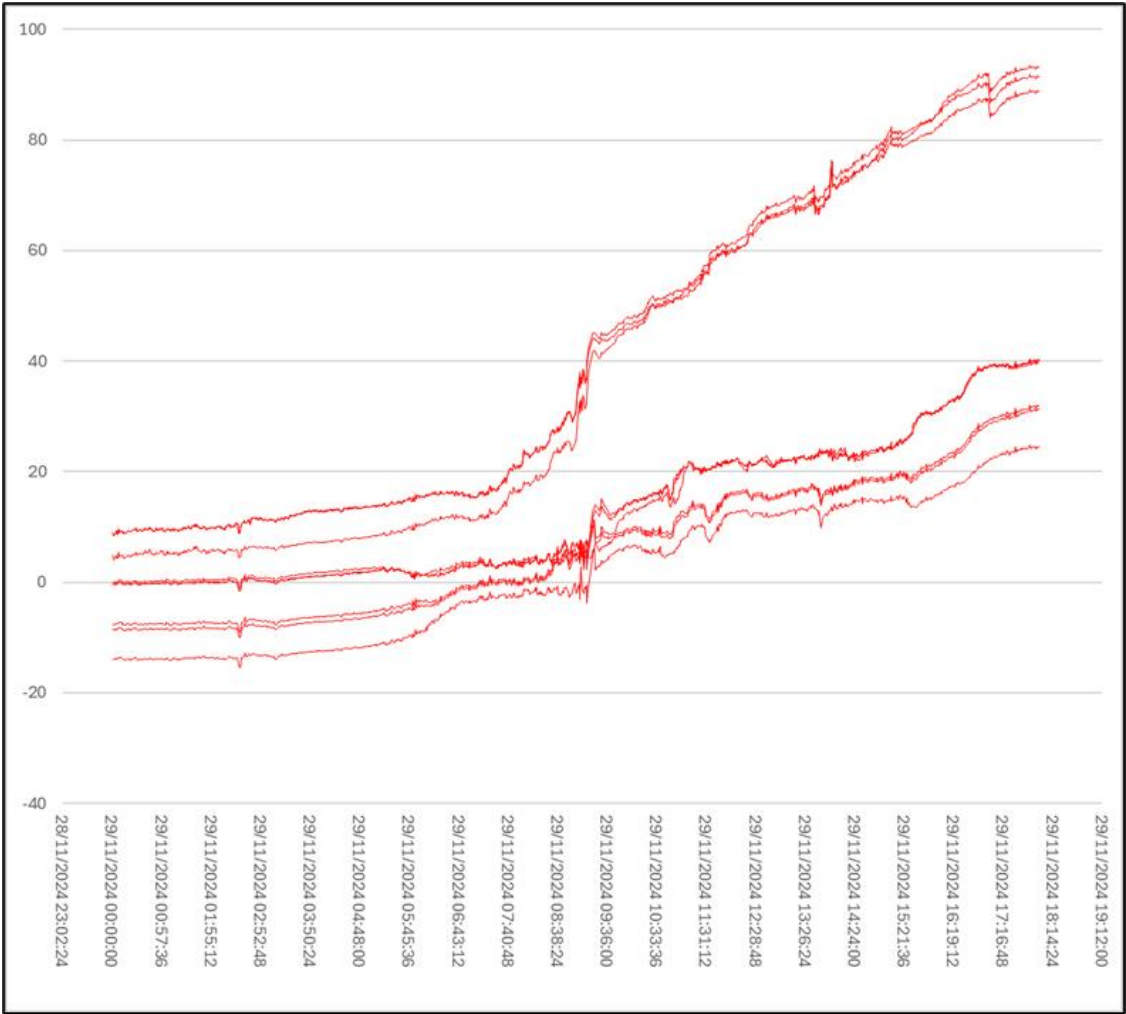
Gráfica de deformación en la Zona 6



Fuente: Elaboración propia.

Figura 28

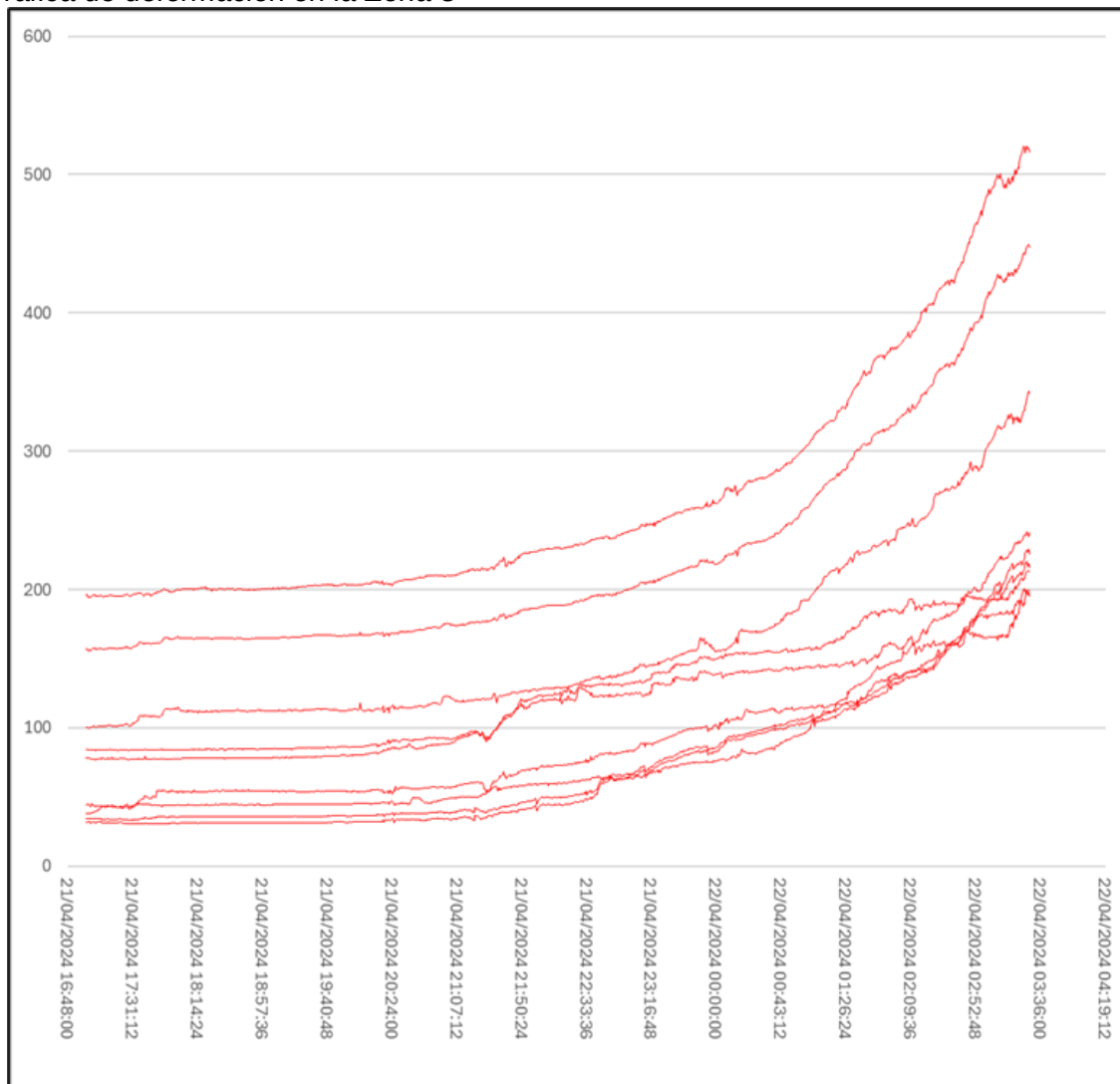
Gráfica de deformación en la Zona 7



Fuente: Elaboración propia

Figura 29

Gráfica de deformación en la Zona 8



Fuente: Elaboración propia.

3.4.2 Análisis estadístico

El estudio de los datos se basa en el análisis de las principales componentes estadísticas de cada zona.

Tabla 5, muestra un resumen de los valores estadísticos de máximos, mínimos, promedio y desviación estándar de cada zona evaluada en intervalos de 1 hora (60 minutos), 30 minutos y 15 minutos.

Tabla 5*Tabla resumen de las zonas en estudio*

Zonas	Tiempo de Análisis	Datos Evaluados	Máximo cm/día	Mínimo cm/día	Promedio cm/día	Desviación Estándar
Zona 1	60 minutos	7749	172.62	-6.25	42.32	28.15
	30 minutos	8028	222.10	-23.00	41.97	32.54
	15 minutos	8163	257.62	-67.71	41.92	38.01
Zona 2	60 minutos	12492	146.68	-0.81	30.40	21.80
	30 minutos	12864	218.93	-34.22	31.68	27.97
	15 minutos	13044	274.33	-124.50	32.58	35.86
Zona 3	60 minutos	7568	111.71	-7.51	5.53	12.66
	30 minutos	7808	173.47	-13.48	6.74	18.00
	15 minutos	7928	217.24	-34.76	7.31	21.15
Zona 4	60 minutos	10190	84.76	-27.56	5.31	9.35
	30 minutos	10500	141.75	-52.52	5.63	11.71
	15 minutos	10650	202.54	-109.44	6.03	16.21
Zona 5	60 minutos	7973	33.69	-4.64	1.13	2.51
	30 minutos	8190	72.72	-11.09	1.40	5.19
	15 minutos	8295	109.34	-20.99	1.78	8.40
Zona 6	60 minutos	5712	82.18	-14.24	18.06	14.70
	30 minutos	6084	136.99	-30.14	19.23	22.20
	15 minutos	6264	171.81	-70.99	19.70	28.59
Zona 7	60 minutos	14378	55.95	-5.84	7.39	7.96
	30 minutos	14798	84.23	-19.35	7.27	9.67
	15 minutos	15008	121.86	-41.01	7.21	12.67
Zona 8	60 minutos	9189	283.67	-8.94	42.74	48.89
	30 minutos	9666	371.61	-31.84	44.84	55.22
	15 minutos	9990	435.26	-81.43	45.27	61.15

Fuente: Elaboración Propia

Para hacer una buena correlación entre el promedio y la desviación estándar se realizó gráficas de bigote, para los periodos de análisis de 60 minutos, 30 minutos y 15 minutos.

En la Figura 30, la gráfica de bigotes de la Zona 1 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

En la Figura 31, la gráfica de bigotes de la Zona 2 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

En la Figura 32, la gráfica de bigotes de la Zona 3 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

En la Figura 33, la gráfica de bigotes de la Zona 4 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

En la Figura 34, la gráfica de bigotes de la Zona 5 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

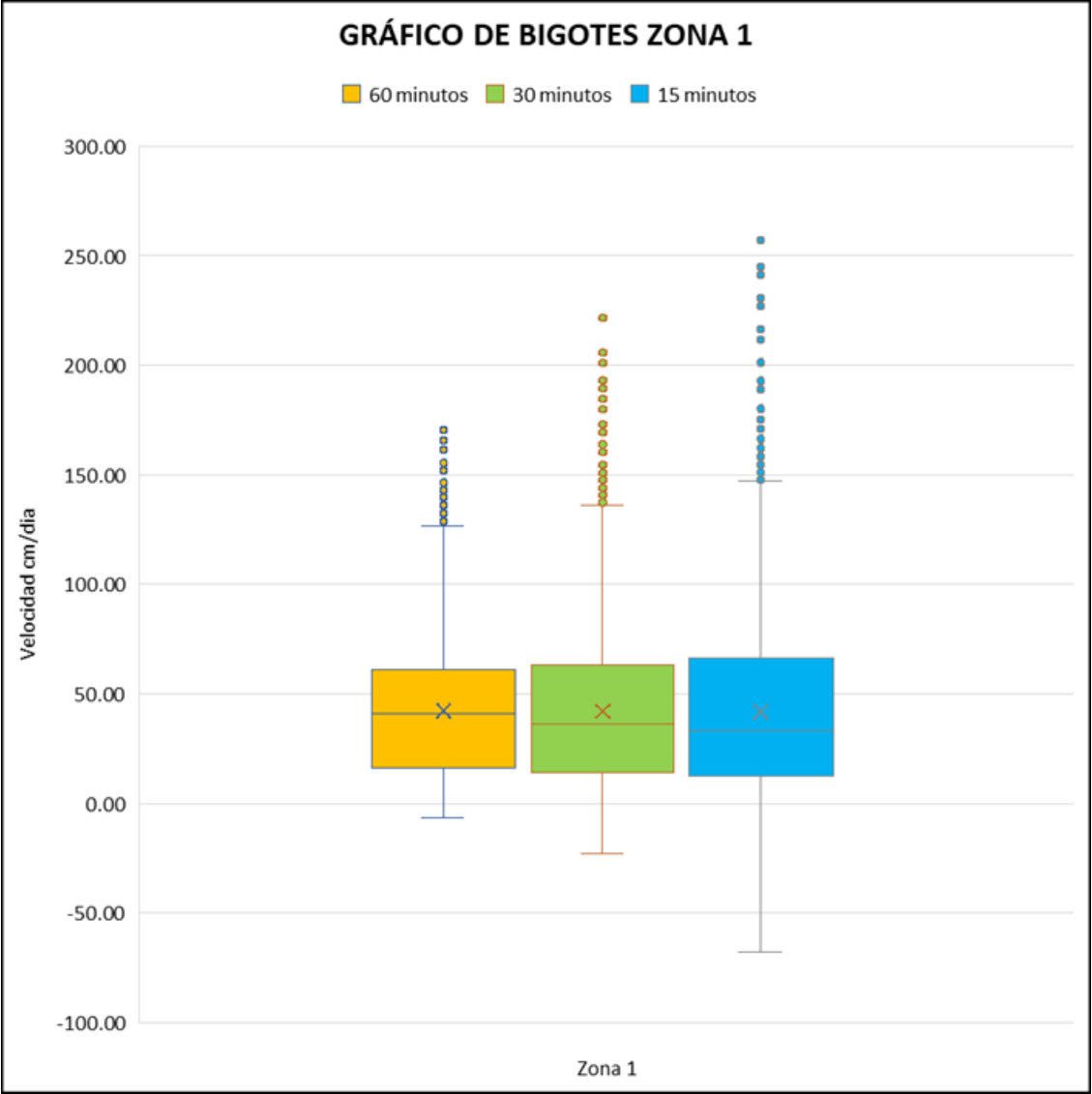
En la Figura 35, la gráfica de bigotes de la Zona 6 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

En la Figura 36, la gráfica de bigotes de la Zona 7 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

En la Figura 37, la gráfica de bigotes de la Zona 8 no existe una diferencia significativa entre el promedio y la desviación estándar entre los análisis de 60 minutos, 30 minutos y 15 minutos.

Figura 30

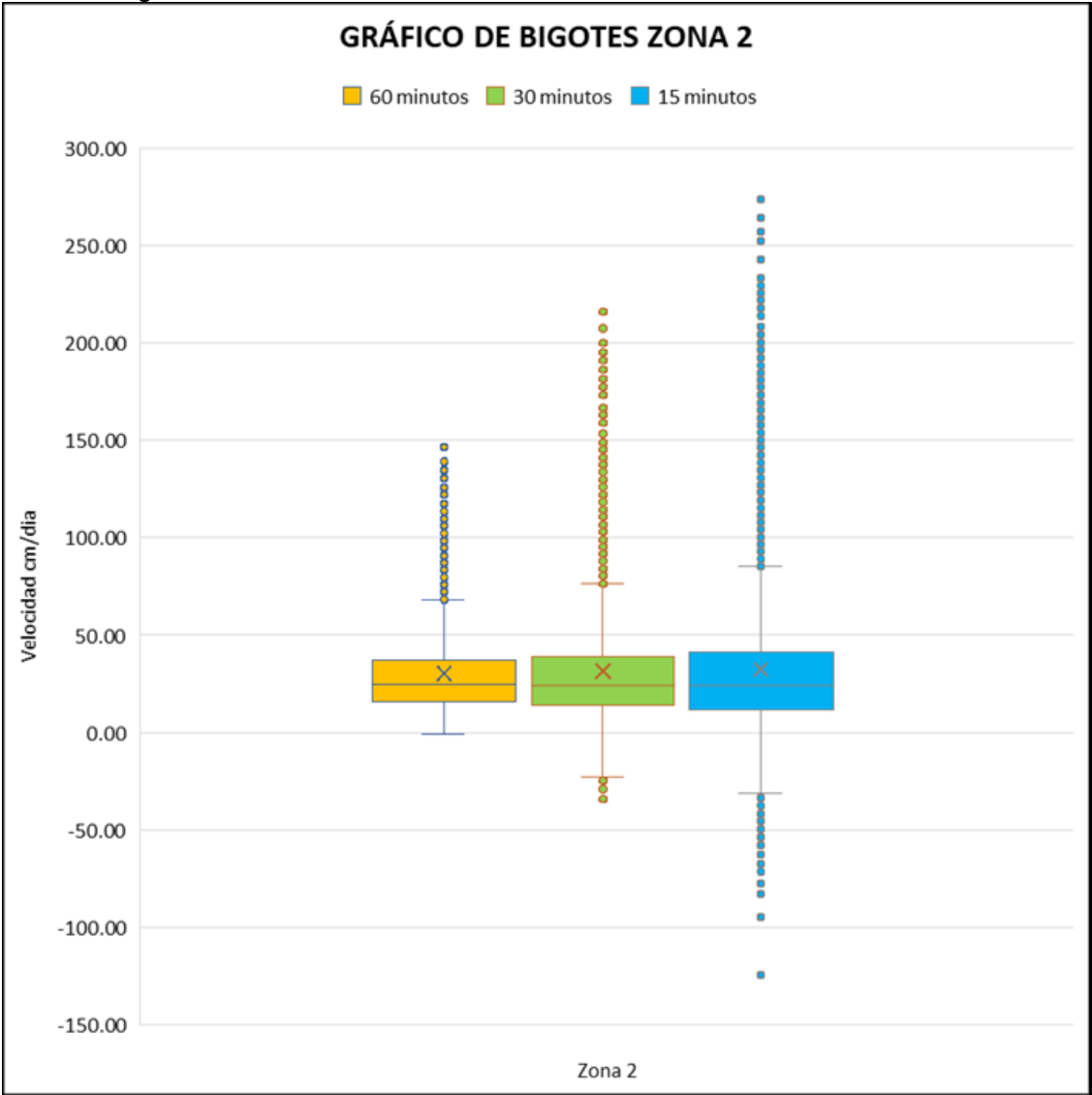
Gráfico de bigotes de la zona de estudio 1



Fuente: Elaboración propia.

Figura 31

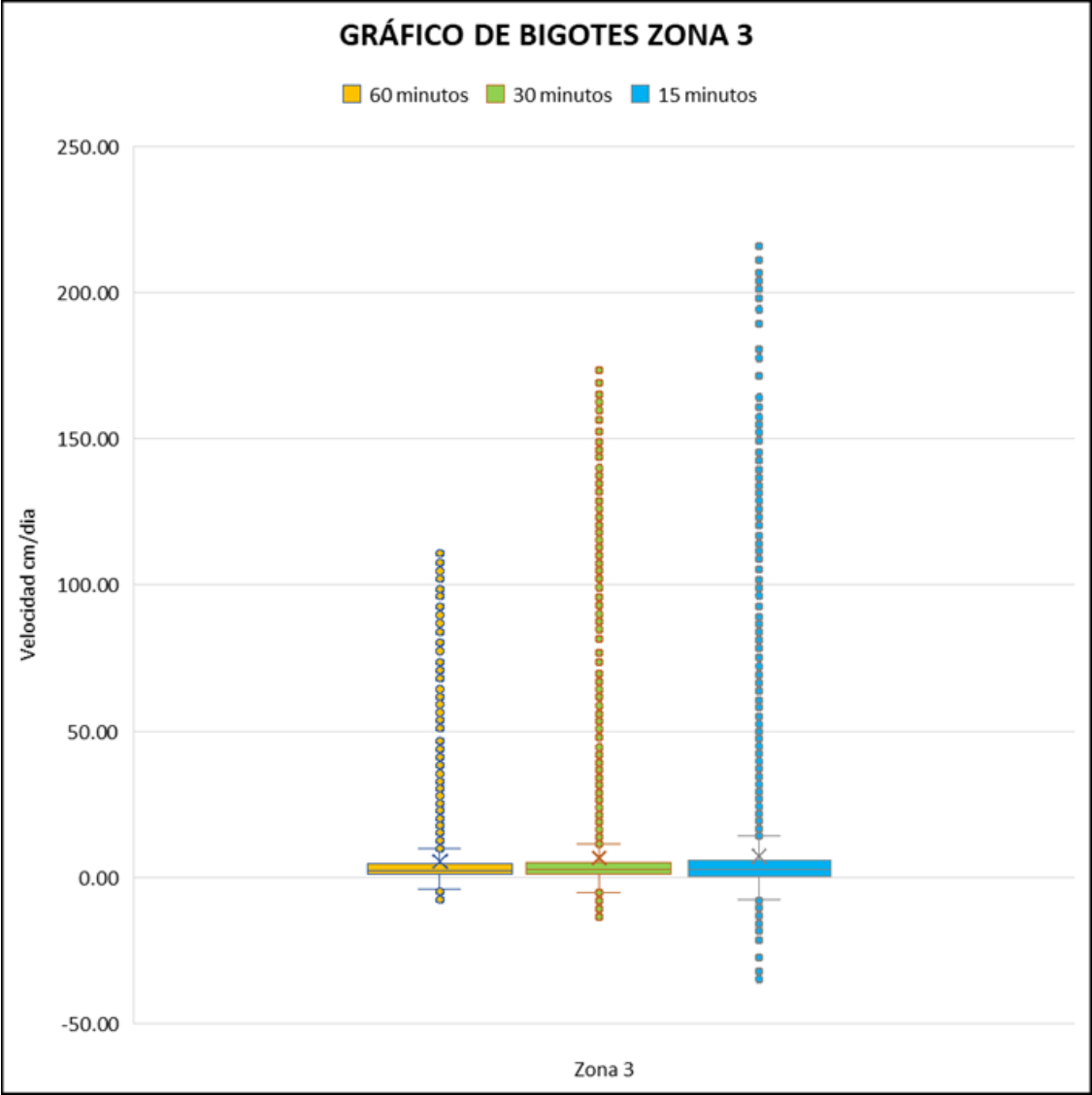
Gráfico de bigotes de la zona de estudio 2



Fuente: Elaboración propia.

Figura 32

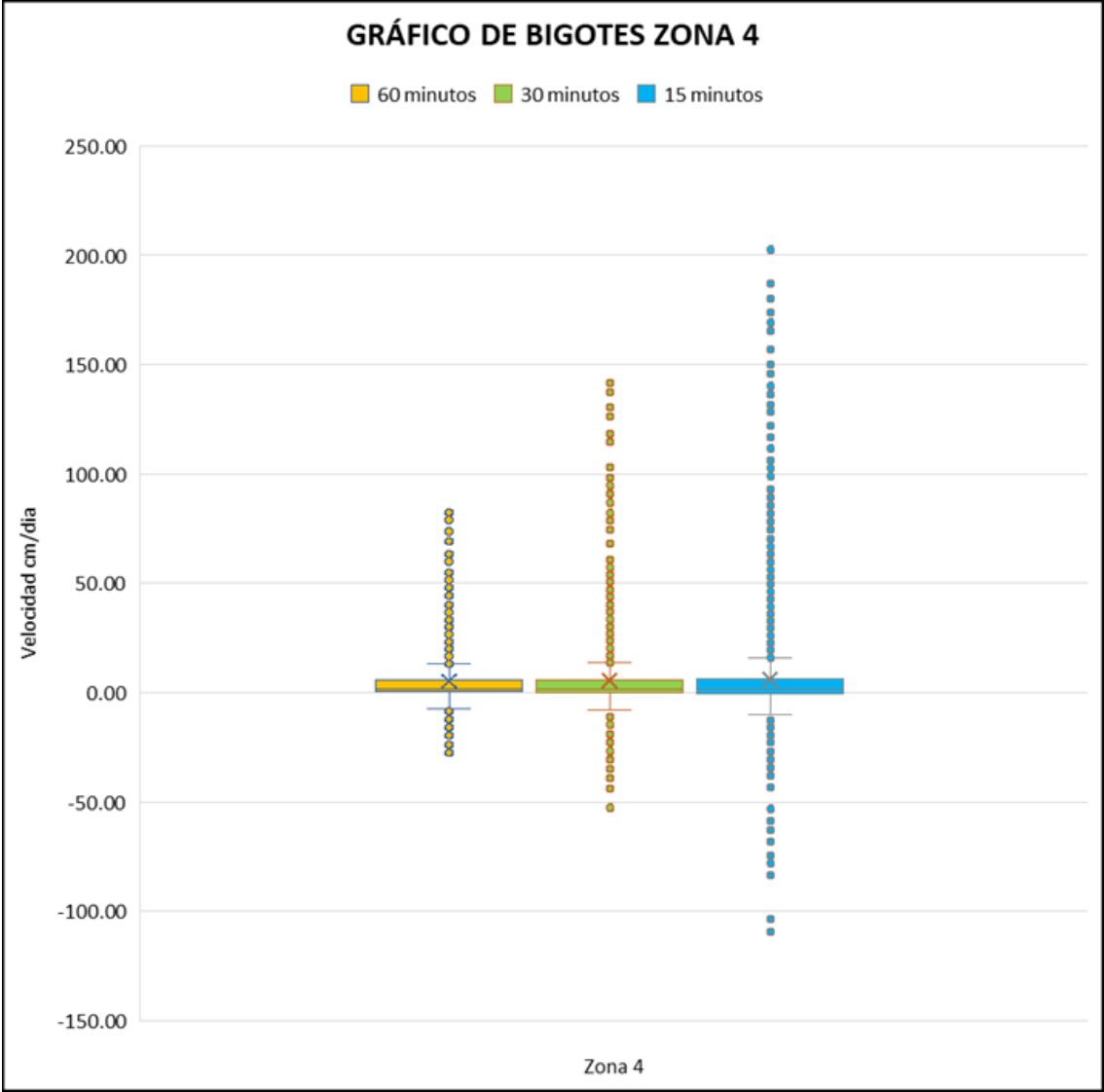
Gráfico de bigotes de la zona de estudio 3



Fuente: Elaboración propia.

Figura 33

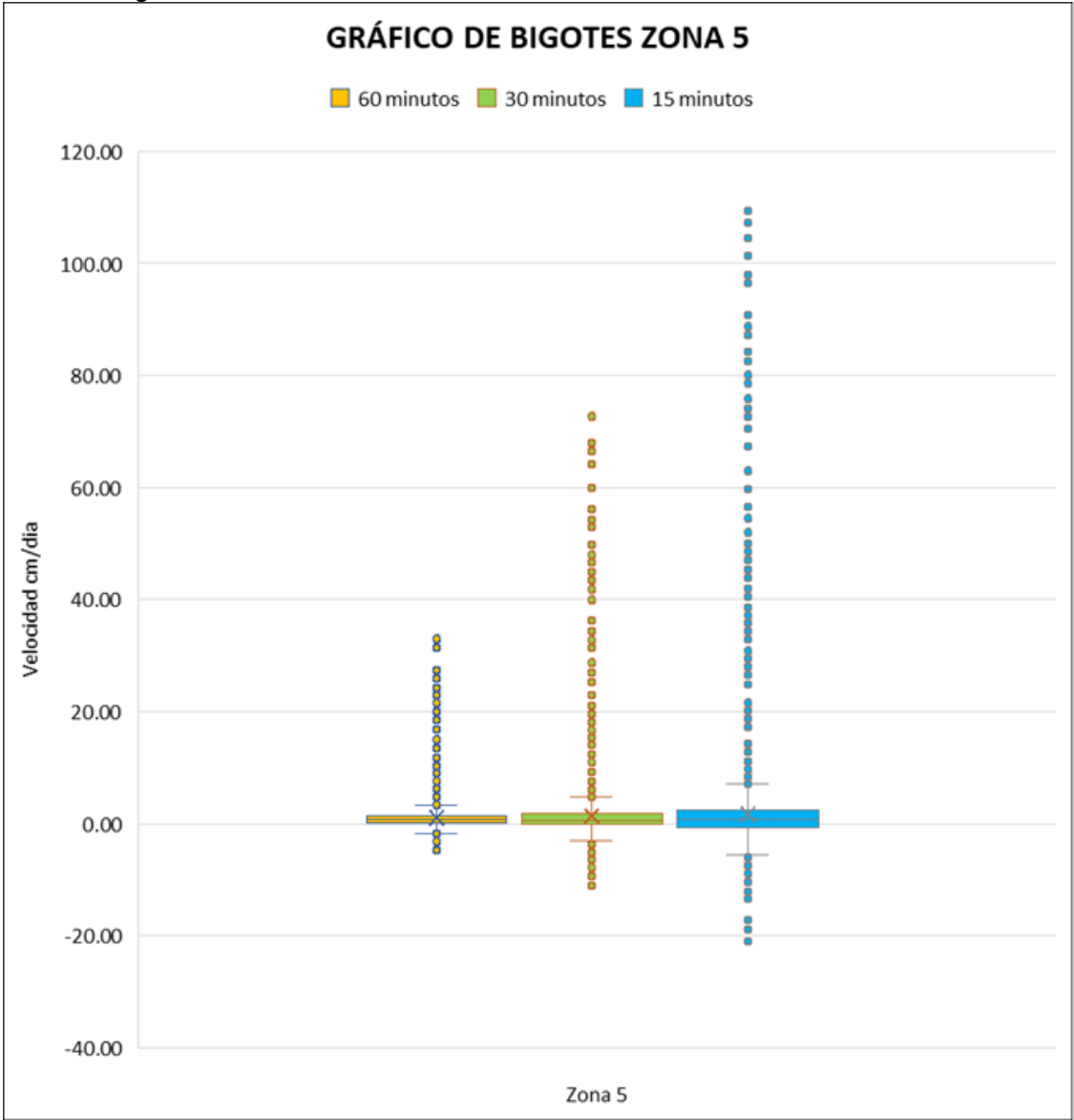
Gráfico de bigotes de la zona de estudio 4



Fuente: Elaboración propia.

Figura 34

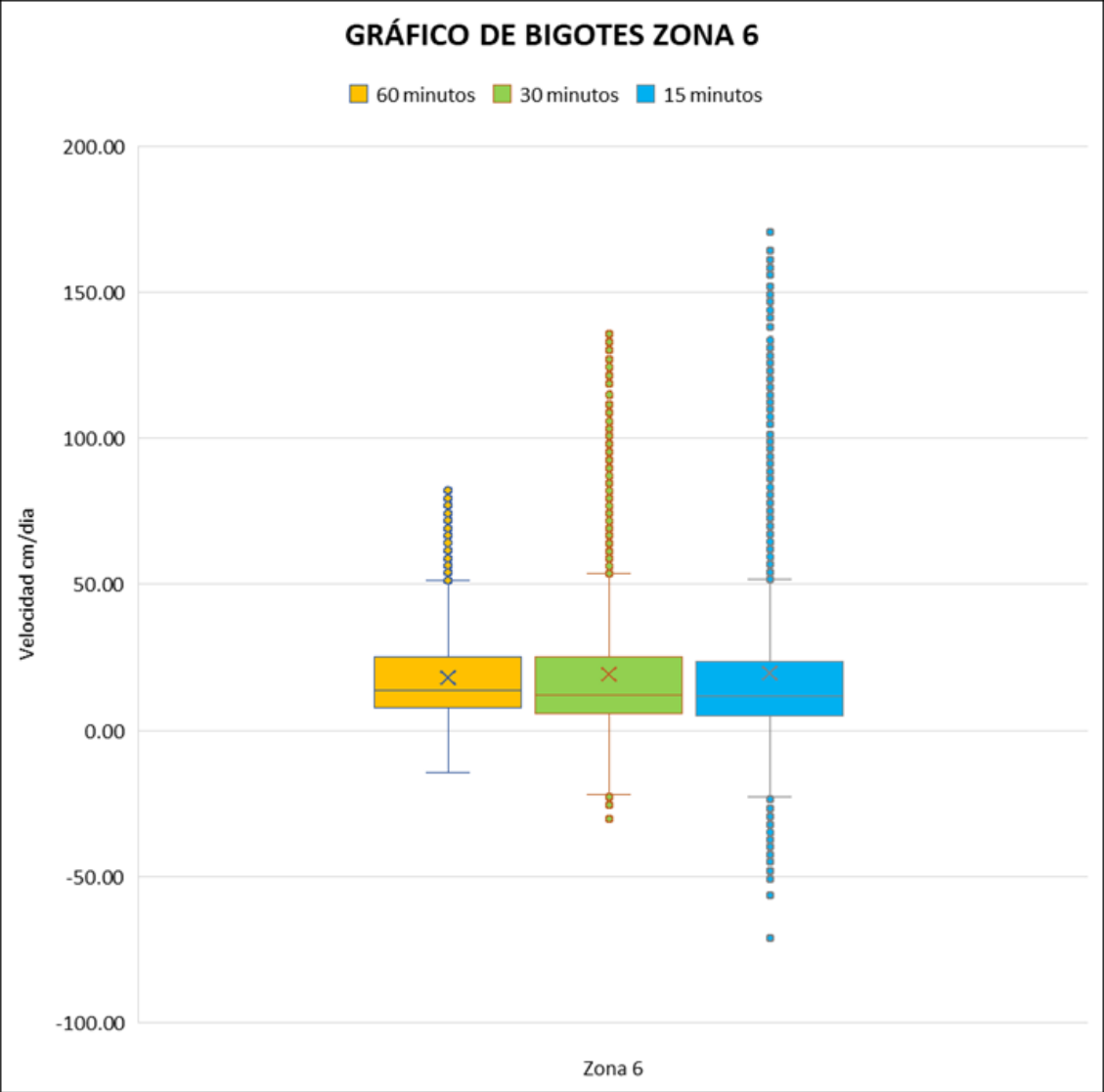
Gráfico de bigotes de la zona de estudio 5



Fuente: Elaboración propia.

Figura 35

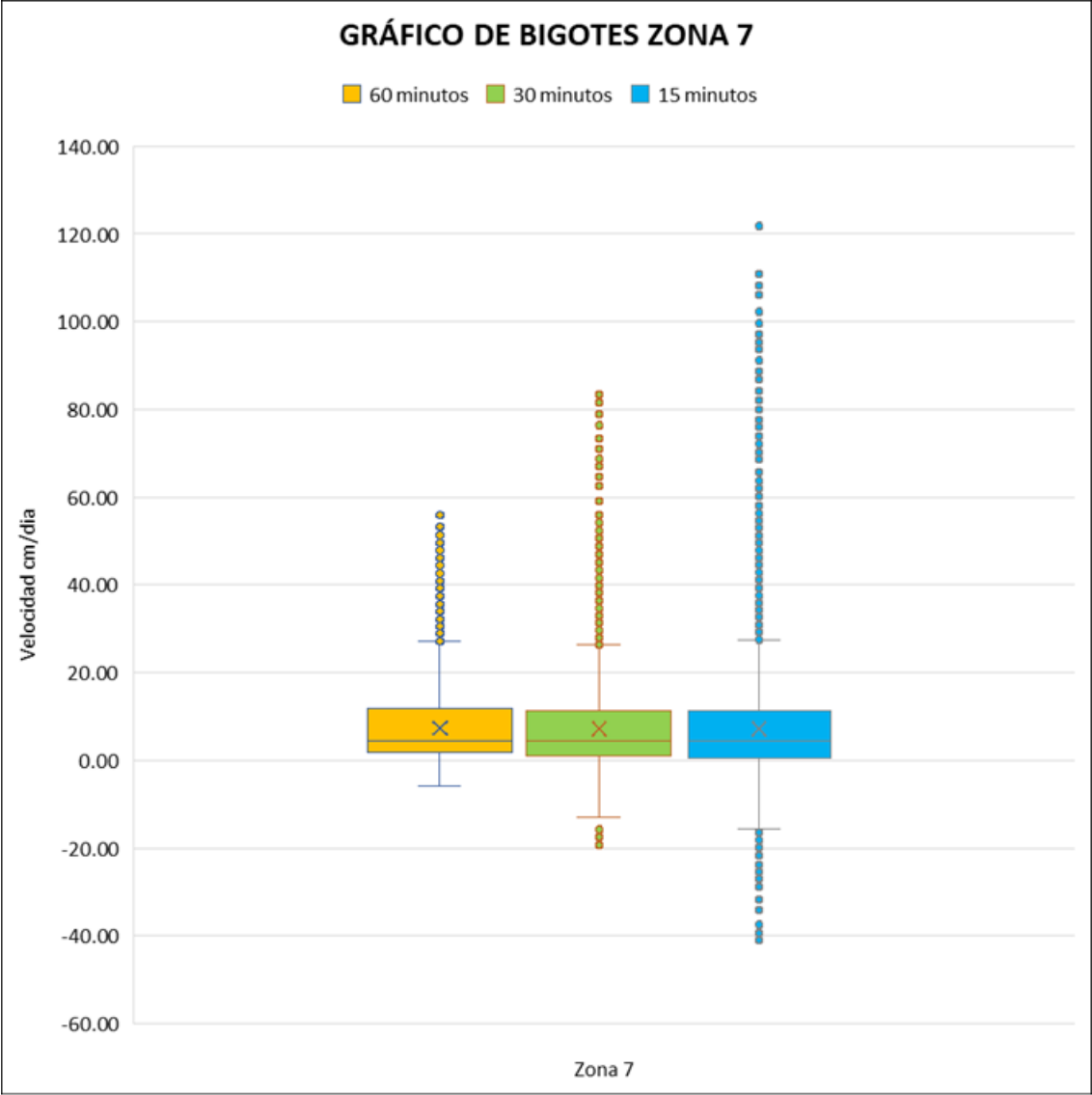
Gráfico de bigotes de la zona de estudio 6



Fuente: Elaboración propia.

Figura 36

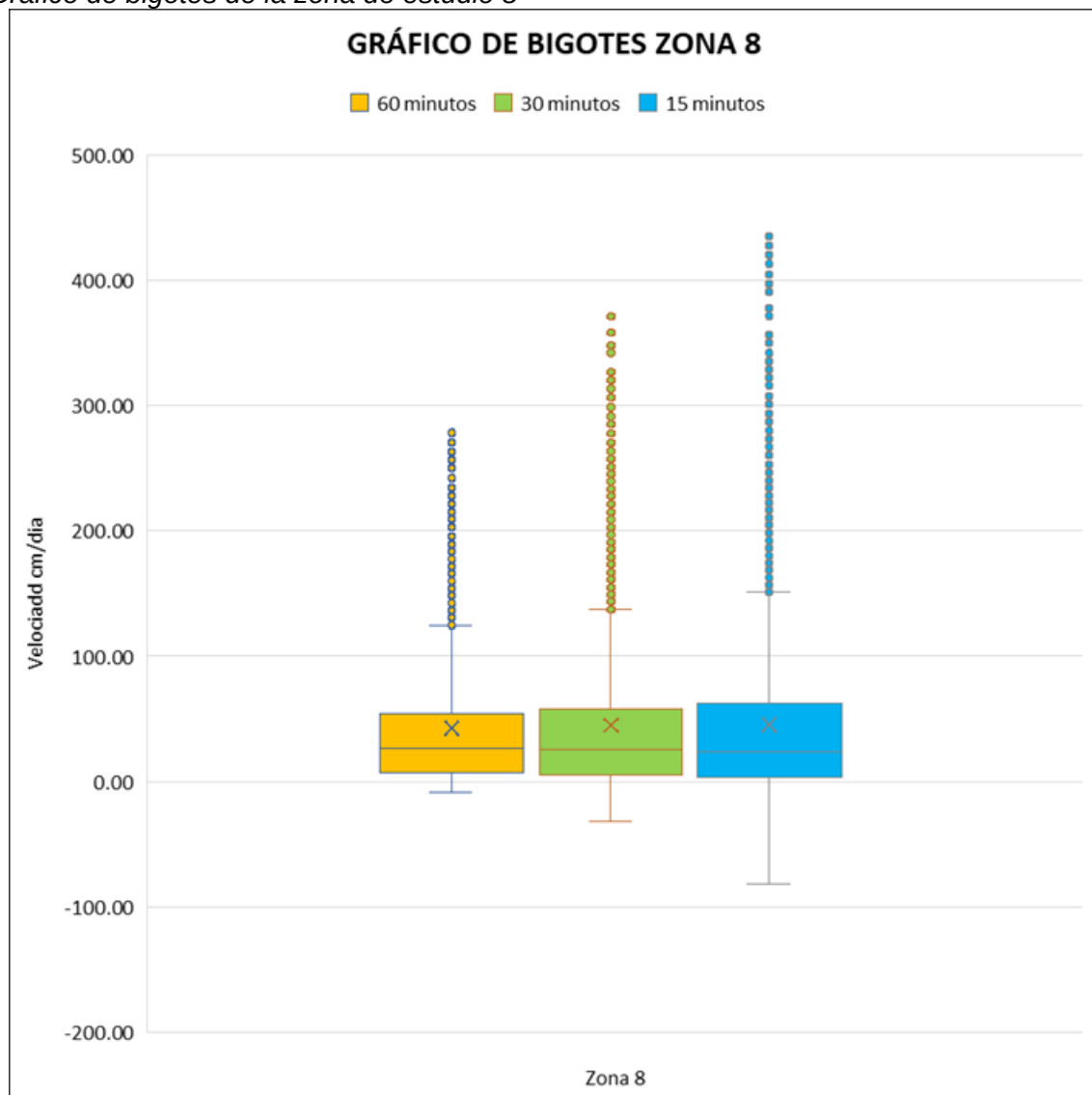
Gráfico de bigotes de la zona de estudio 7



Fuente: Elaboración propia.

Figura 37

Gráfico de bigotes de la zona de estudio 8



Fuente: Elaboración propia.

En la Figura 38, la gráfica de bigotes en un periodo de análisis para 60 minutos (1 hora), se puede observar desplazamientos de mayor velocidad en las zonas 1, 2, 3, 6 y 7 en comparación con las otras zonas: las cuales muestran poco movimiento o un movimiento constante.

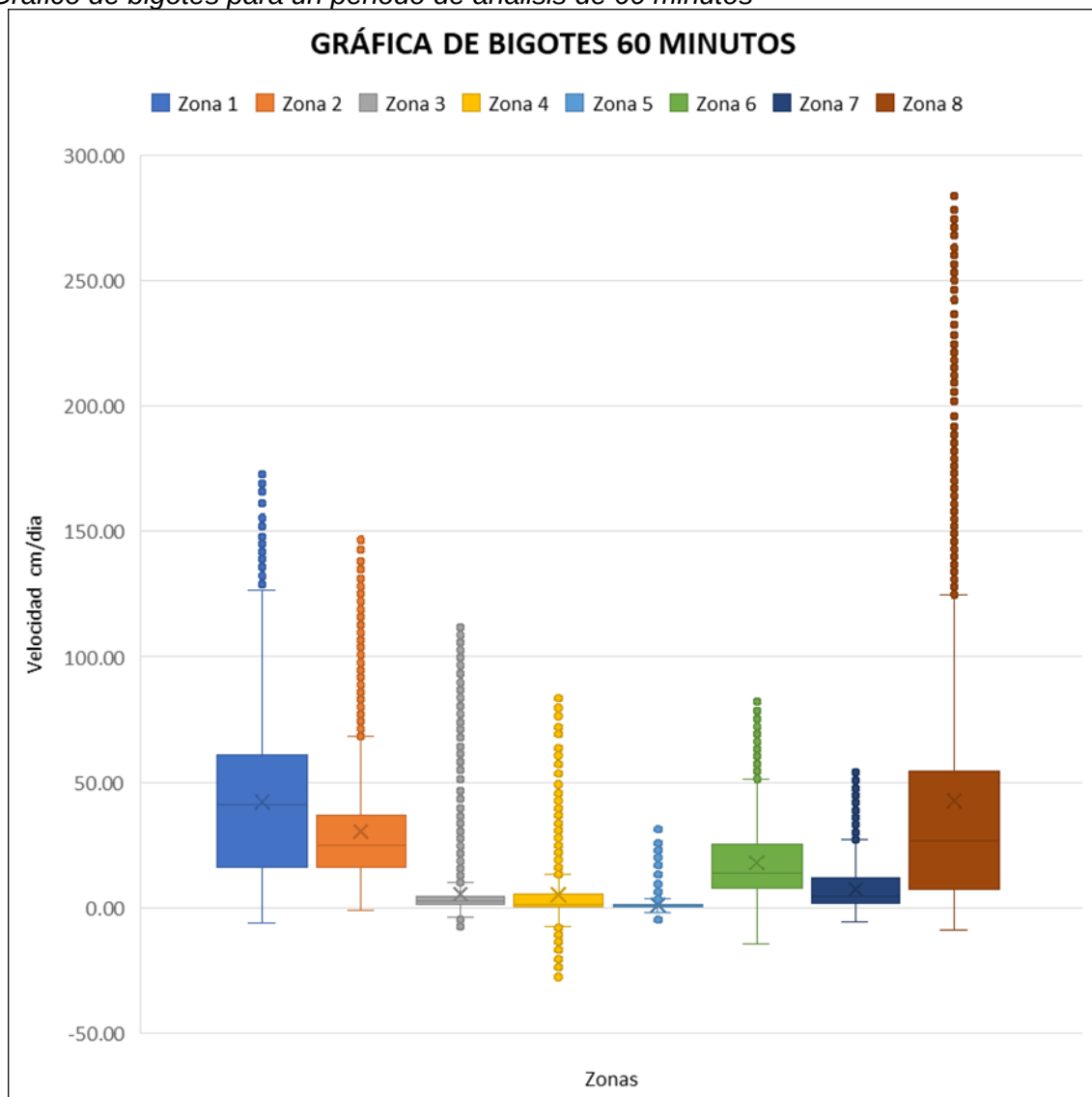
En la Figura 39, la gráfica de bigotes en un periodo de análisis para 30 minutos, se puede observar desplazamientos de mayor velocidad en las zonas 1, 2, 3, 6 y 7 en comparación con las otras zonas que muestran poco movimiento o un movimiento constante.

En la Figura 40, la gráfica de bigotes en un periodo de análisis para 15 minutos, se puede observar desplazamientos de mayor velocidad en las zonas 1, 2, 3, 6 y 7 en comparación con las otras zonas que muestran poco movimiento o un movimiento constante.

Se observa que las gráficas de bigotes analizadas en los diferentes intervalos (60 minutos, 30 minutos y 15 minutos) de tiempo muestran un panorama general de tendencias a lo largo del tiempo.

Figura 38

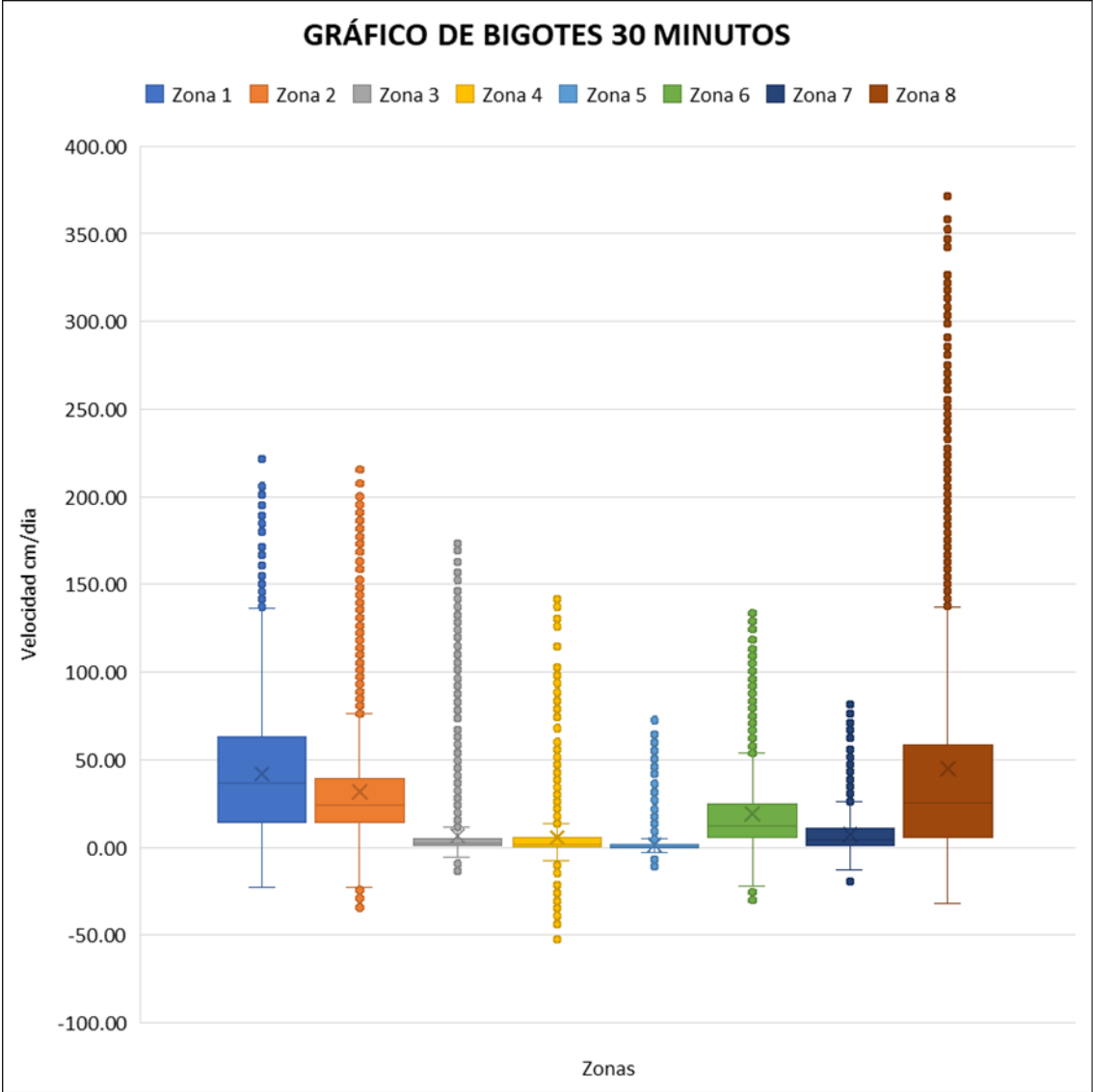
Gráfico de bigotes para un periodo de análisis de 60 minutos



Fuente: Elaboración propia.

Figura 39

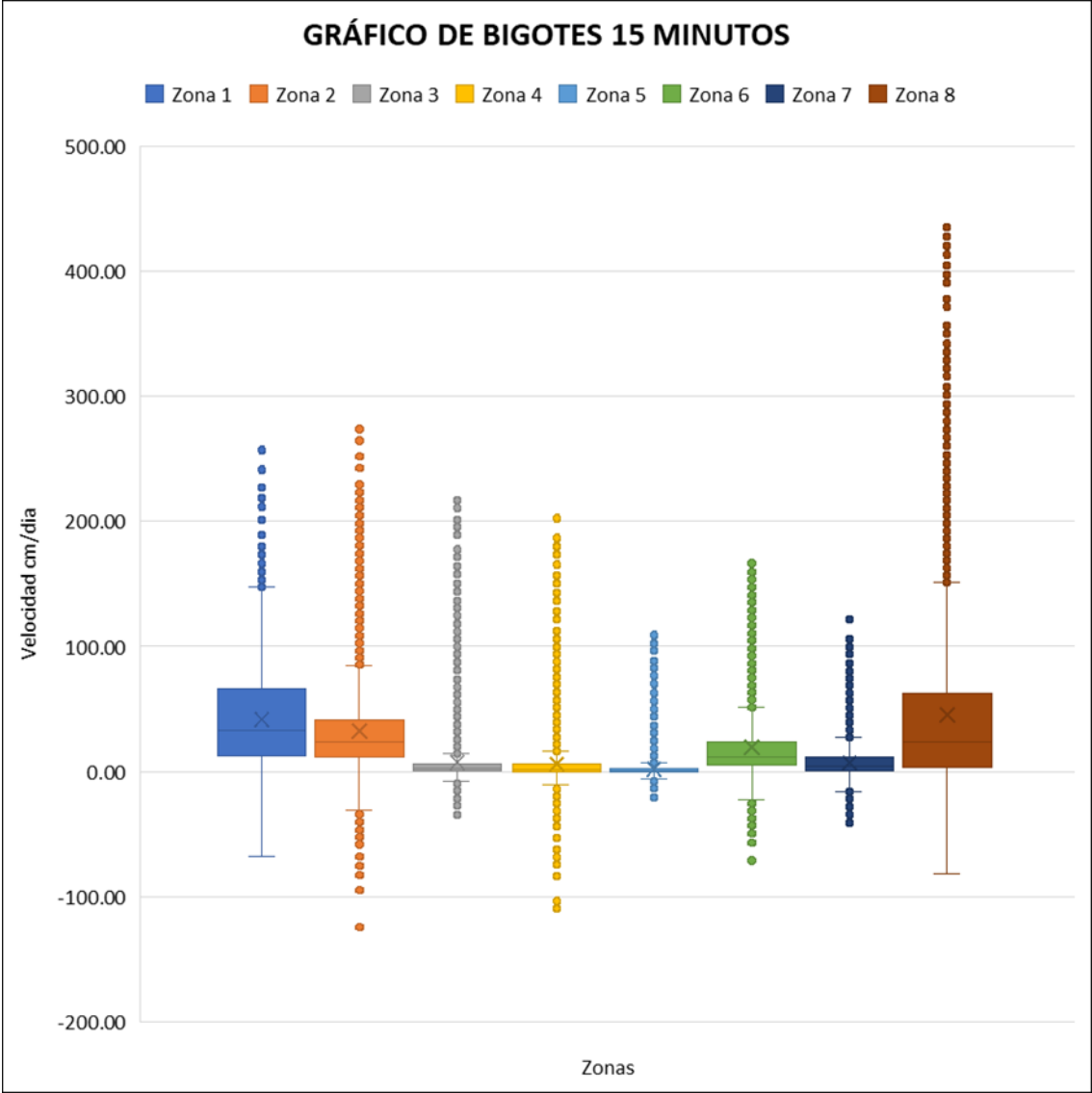
Gráfico de bigotes para un periodo de análisis de 30 minutos



Fuente: Elaboración propia.

Figura 40

Gráfico de bigotes para un periodo de análisis de 15 minutos



Fuente: Elaboración propia.

Capítulo IV. Análisis e interpretación de resultados

4.1 Análisis de la información de datos

Se determinaron umbrales o valores límite para clasificar el comportamiento del terreno mediante el uso de desviación estándar obtenidos de los datos tratados, lo que permite establecer rangos de comportamiento normal (verde), de precaución (amarillo) y de alerta (rojo) para esta nueva clasificación de umbrales a partir de una aceleración de no retorno.

Para una configuración inicial de umbrales para cualquier zona se tiene en cuenta con las siguientes alertas geotécnicas:

Umbral verde: El comportamiento del terreno se considera dentro de los límites normales. No se observan signos de inestabilidad o riesgo significativo. Estos son valores por debajo del promedio + desviación estándar.

Umbral amarillo: El comportamiento comienza a mostrar desviaciones significativas respecto a lo normal. Se recomienda monitoreo continuo y análisis detallado para identificar posibles riesgos. Estos son valores por debajo del promedio + 2 desviaciones estándar.

Umbral rojo: El comportamiento se considera crítico, con alto riesgo de falla o inestabilidad. Se requieren acciones inmediatas para mitigar el riesgo. Estos son valores por debajo del promedio + 3 desviaciones estándar.

A partir de este análisis previo se toma en consideración la metodología similar para la configuración de umbrales a partir de una aceleración sin retorno (tendencia crítica), el cual nos indica que el mecanismo de deformación de una potente falla del material.

En la Tabla 6 se muestra de manera general el análisis estadístico para la nueva configuración de umbrales tratados en un periodo de 60 minutos, 30 minutos y 15 minutos, el detalle del análisis se detalla en el Anexo VI.

En la Tabla 7 se muestra los umbrales en resumen obtenidos por cada zona de análisis, el detalle del análisis se detalla en el Anexo VI.

Tabla 6

Tabla de umbrales desarrollados por cada zona en análisis

ZONAS	PERIODO	UMBRALES DE DEFORMACIÓN						
Zona 1	60 minutos	-42.12	-13.97	14.17	42.32	70.47	98.61	126.76
	30 minutos	-55.63	-23.10	9.44	41.97	74.51	107.04	139.58
	15 minutos	-72.12	-34.10	3.91	41.92	79.93	117.94	155.95
Zona 2	60 minutos	-34.99	-13.19	8.60	30.40	52.20	73.99	95.79
	30 minutos	-52.24	-24.27	3.70	31.68	59.65	87.63	115.60
	15 minutos	-75.00	-39.14	-3.28	32.58	68.44	104.31	140.17
Zona 3	60 minutos	-32.44	-19.78	-7.12	5.53	18.19	30.85	43.51
	30 minutos	-47.25	-29.26	-11.26	6.74	24.73	42.73	60.72
	15 minutos	-56.13	-34.98	-13.83	7.31	28.46	49.61	70.76
Zona 4	60 minutos	-22.75	-13.39	-4.04	5.31	14.66	24.02	33.37
	30 minutos	-29.50	-17.79	-6.08	5.63	17.34	29.05	40.76
	15 minutos	-42.60	-26.39	-10.18	6.03	22.23	38.44	54.65
Zona 5	60 minutos	-6.41	-3.90	-1.39	1.13	3.64	6.15	8.67
	30 minutos	-14.17	-8.98	-3.79	1.40	6.59	11.78	16.96
	15 minutos	-23.41	-15.01	-6.61	1.78	10.18	18.58	26.97
Zona 6	60 minutos	-26.03	-11.33	3.37	18.06	32.76	47.46	62.16
	30 minutos	-47.36	-25.16	-2.96	19.23	41.43	63.63	85.83
	15 minutos	-66.07	-37.48	-8.89	19.70	48.29	76.89	105.48
Zona 7	60 minutos	-16.49	-8.53	-0.57	7.39	15.35	23.31	31.27
	30 minutos	-21.75	-12.08	-2.40	7.27	16.94	26.62	36.29
	15 minutos	-30.80	-18.13	-5.46	7.21	19.87	32.54	45.21
Zona 8	60 minutos	-103.94	-55.05	-6.16	42.74	91.63	140.53	189.42
	30 minutos	-120.80	-65.59	-10.37	44.84	100.06	155.28	210.49
	15 minutos	-138.16	-76.91	-15.65	45.60	106.85	168.10	229.35

Fuente: Elaboración Propia

Tabla 7

Resumen de umbrales finales evaluados por cada zona

ZONAS	UMBRALES DE DEFORMACIÓN						
	VERDE				AMARILLA		ROJA
	-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
Zona 1	-56.62	-23.73	9.17	42.07	74.97	107.86	140.76
Zona 2	-54.08	-25.53	3.01	31.55	60.10	88.64	117.19
Zona 3	-45.27	-28.01	-10.74	6.53	23.80	41.06	58.33
Zona 4	-31.61	-19.19	-6.77	5.66	18.08	30.50	42.92
Zona 5	-14.66	-9.30	-3.93	1.44	6.80	12.17	17.53
Zona 6	-46.49	-24.66	-2.83	19.00	40.83	62.66	84.49
Zona 7	-23.01	-12.91	-2.81	7.29	17.39	27.49	37.59
Zona 8	-120.97	-65.85	-10.73	44.39	99.51	154.63	209.76

Fuente: Elaboración Propia

4.2 Discusiones de resultados

Para la discusión de los resultados tomaremos en cuenta la configuración inicial de los umbrales de nuestra unidad de análisis, la cual está definida por un registro de eventos históricos los cuales mediante un back análisis y tratamiento estadístico se determinó unos umbrales conservadores y generales.

Como vemos en la Tabla 8 tenemos como resultados de los datos analizados valores por encima de los 30 mm/día (3 cm/día) los cuales se observan como resumen en la Tabla 8.

Tabla 8

Criterio de umbrales para una distribución normal de la unidad de análisis

CONDICIÓN	UMBRALES INICIALES	MEDIDAS
Verde	$[x < 1.00]$	Aceptable
Amarilla	$[1.00 - 2.00]$	Primera alerta, sujeto al riesgo potencial o condición del peligro
Naranja	$[2.00 - 3.00]$	Se evalúan los controles implementados y cambio de condición
Roja	$[x > 3.00]$	No Aceptable, se prohíben los trabajos en las zonas de influencia

Fuente: Elaboración Propia

Después de evaluar las 8 zonas; las cuales muestran una tendencia progresiva critica manteniendo una aceleración mediante el incremento de su velocidad notamos un comportamiento de la curva de deformación con un cierto grado de incertidumbre hasta el momento exacto de la caída de material; esto conlleva a no advertirse de forma oportuna el colapso, debido a la rapidez con la cual acelera dicha zona o viceversa tener una deformación lenta la cual nos incrementa de horas a días hasta meses la rotura del colapso.

El resultado del back análisis de las 8 zonas; nos muestra unos valores los cuales disminuyen la incertidumbre que generan a partir de 71.43 cm/día para la zona 3, 4, 6 y 7; para la zona 5 a partir de 3.64 cm/día; para la zona 1, 2 y 8 a partir de 71.43 cm/día para un intervalo de tiempo de 60 minutos (1 hora).

Para el intervalo de tiempo de tiempo de 30 minutos se ha obtenido que para la zona 3, 4, 6 y 7 a partir de 25.11 cm/día se tiene una tendencia en su velocidad de no

retorno y cerca al colapso; para la zona 5 a partir de 6.59 cm/día y para la zona 1, 2 y 8 a partir de los 78.07 cm/día.

Para el intervalo de tiempo de tiempo de 15 minutos se ha obtenido que para la zona 3, 4, 6 y 7 a partir de 29.72 cm/día se tiene una tendencia en su velocidad de no retorno y cerca al colapso; para la zona 5 a partir de 10.18 cm/día y para la zona 1, 2 y 8 a partir de los 85.09 cm/día.

Concluyéndose que los umbrales coherentes para esta nueva reclasificación a partir de la alerta roja de nuestra unidad de análisis que se muestra en la Tabla 4-3; sea referencial a partir del cambio de pendiente que se da en los 42.68 cm/día para una alerta aceptable para eliminar la condición o tiempo prudente para implementar algún control adicional y retiro del personal y equipos. Siendo la segunda clasificación a partir de 65.63 cm/día, el cual nos indica que la zona restringida está entrando a una etapa crítica esperando el momento de fallar el cual se da a partir de 88.57 cm/día como se muestra en la Tabla 9.

Tabla 9

Etapas definidas para el nivel de alerta roja

Niveles de alerta determinado para la ALERTA ROJA		
La lectura/observación presenta un riesgo para la seguridad requiere acciones mitigantes.	La lectura/observación presenta un riesgo para la seguridad requiere acciones mitigantes.	La lectura/observación presenta un riesgo para la seguridad requiere acciones mitigantes.
Rojo - Etapa 1	Rojo - Etapa 2	Rojo - Etapa 3
V > 40 cm/día o deformación progresiva/evento inminente	V > 60 cm/día etapa crítica del evento inminente	V > 80 cm/día evento inminente

Fuente: Elaboración Propia

Asimismo, la curva de velocidad inversa es una herramienta fundamental al momento de estimar el tiempo de colapso inminente de la mano con la consideración de esta nueva clasificación de umbrales a partir de la alerta roja de nuestra unidad de análisis; es decir, debemos considerar como mínimo, a continuación, estos controles de manera secuencial y retroactiva al momento de los análisis respectivos ante un inminente colapso.

Ajustando los umbrales obtenidos para la clasificación de las etapas de alerta roja con las zonas 4, 5 y 7; obtenemos la siguiente Tabla 10.

Tabla 10

Umbrales de alerta redefinidos

NIVELES DE ALERTA ESTABLECIDOS POR NUESTRA UNIDAD DE ANÁLISIS					ETAPAS DEFINIDAS PARA EL NIVEL DE ALERTA ROJA			
INSTRUMENTO	Notificación / Acción	Lectura/ observación dentro del comportamiento previsto/ desempeño histórico aceptable	La lectura/ observación excede los valores históricos típicos y requiere verificación de la medición.	La lectura/ observación requiere más investigaciones y posibles acciones mitigantes.	La lectura/ observación presenta un riesgo para la seguridad requiere acciones mitigantes.	La lectura/ observación presenta un riesgo para la seguridad requiere acciones mitigantes.	La lectura/ observación presenta un riesgo para la seguridad requiere acciones mitigantes.	La lectura/ observación presenta un riesgo para la seguridad requiere acciones mitigantes.
		Verde	Amarillo	Naranja	Rojo	Rojo - Etapa 1	Rojo - Etapa 2	Rojo - Etapa 3
	Velocidad cm/día (Valor de monitoreo)	$V \leq 1$ cm/día	$1 \text{ cm/día} < V \leq 2 \text{ cm/día}$	$2 \text{ cm/día} < V \leq 3 \text{ cm/día}$ o deformación progresiva	$V > 3$ cm/día o deformación progresiva/evento inminente	$V > 20$ cm/día o deformación progresiva/evento inminente	$V > 30$ cm/día etapa crítica del evento inminente	$V > 40$ cm/día evento inminente
GEORADARES	Notificación	N/A	Notificar a supervisor Operativo Geotécnico	- Notificar a supervisor Operativo Geotécnico - Notificar a Supervisor de Mina	- Notificar a Supervisor Geotécnico y Mina por llamada telefónica y correo - Notificar vía radial a la operación	- Notificar a la operación la actualización del pronóstico de falla cada 10 minutos vía radial - Configurar las alertas según el área puntual de desarrollo al colapso	- Notificar a la operación la actualización del pronóstico de falla cada 5 minutos vía radial. - Configurar las alertas según el área puntual de desarrollo al colapso	- Notificar a la operación la actualización del pronóstico de falla cada 2 minutos vía radial - Configurar las alertas según el área puntual de desarrollo al colapso

GEORADARES	Acción	Continuar con el monitoreo	▪ Revisar la instrumentación Geotécnica cercana. ▪ Evaluar la instalación de instrumentos geotécnicos adicionales. ▪ Realizar evaluación Geotécnica. ▪ Continuar con el monitoreo. ▪ Identificar en campo las causas posibles de la deformación ▪ Designar zona de riesgo Geotécnico medio.	▪ Delimitar y restringir acceso a zona afectada ▪ Instalar instrumentos geotécnicos adicionales. ▪ Realizar evaluación Geotécnica. ▪ Continuar con el monitoreo	▪ Evaluar constantemente los accesos a zona afectada ▪ Continuar con el monitoreo con más frecuencia ▪ Evacuar personal y equipos ▪ Realizar el pronóstico de falla cada 10 a 15 minutos ▪ Comunicar vía radial al personal expuesto que evacue inmediatamente. ▪ Crear un Geocerca en el sistema de Despacho Mina. ▪ Implementar controles de prevención o mitigación	▪ Realizar evaluación Geotécnica. ▪ Continuar con el monitoreo ▪ Evacuar personal y equipos ▪ Realizar el pronóstico de falla con una frecuencia de actualizarse cada 5 minutos ▪ Crear un Geocerca en el sistema de Despacho Mina. ▪ Evaluar los controles de prevención o mitigación	▪ Realizar el pronóstico de falla con una frecuencia inmediata. ▪ Comunicar vía radial al personal y equipos expuestos que evacue inmediatamente. ▪ Revisar constantemente la Geocerca en el sistema de Despacho Mina. ▪ Implementar controles de prevención o mitigación post fallo del material
			▪ Revisar que la data sea correcta. ▪ Asegurar que el monitoreo se realice de manera continua	▪ En caso de deformación progresiva: ▪ Evacuar personal y equipos ▪ Realizar el pronóstico de falla. ▪ Delimitar y restringir acceso a zona afectada. ▪ Implementar controles de prevención o mitigación. ▪ Implementar controles de prevención o mitigación			

Fuente: Elaboración propia.

Conclusiones

Las inestabilidades de los taludes en la minería constituyen un riesgo significativo tanto para el personal como para los equipos. Por ello, la implementación de un sistema de monitoreo automatizado en tiempo real es fundamental para detectar su evolución en las etapas iniciales.

La metodología para establecer los umbrales consiste en determinar un comportamiento normal de los datos y determinar los parámetros estadísticos como el promedio, desviación estándar.

Se utilizaron 232531 datos tratados para determinar umbrales que permitan clasificar el comportamiento del terreno de nuestra unidad de análisis.

Se realizó un análisis de gráficas de deformación, análisis estadístico de máximos, mínimos, promedio y desviación estándar de 8 zonas evaluadas en intervalos de 60 minutos, 30 minutos y 15 minutos. Se agrupó zonas de acuerdo con sus características estadísticas (desviación estándar, promedio de velocidades) y patrones similares de deformación a lo largo del tiempo, este análisis reveló diferencias significativas en el comportamiento geotécnico de las zonas. Se ha determinado que la zona 5 tiene un mecanismo de falla rápida (frágil), por lo que su umbral de alerta es de forma temprana con velocidades bajas dado que acelera rápidamente y esta velocidad escapa de la sensibilidad de los radares. Para la zona 3, 4 y 6 el mecanismo de falla es plástica, dado que se alcanza velocidades altas antes de la rotura, mientras que para la zona 1, 2 y 8 el mecanismo es muy plástico dado que las velocidades se prolongan hasta los 43,53 cm/día, teniendo un aumento considerable y sostenido de la velocidad.

Se determinó que los umbrales se obtienen de los siguientes cálculos: Rojo-Etapa 1 (promedio más 1 desviación estándar), Rojo-Etapa 2 (Promedio más 2 desviación estándar) y Rojo-Etapa 3 (Promedio más 3 desviación estándar).

En la ventana de tiempo de 60 minutos (1 hora) se ha determinado que los valores para las zonas que comparten características. Los umbrales para la zona 5 el umbral en la

etapa 1 es 3.64 cm/día, para la etapa 2 es 6.15 cm/día y para la etapa 3 es 8.67; para la zona 3, 4, 6 y 7 el umbral para la etapa 1 es 20.24 cm/día, para la etapa 2 es 31.41 cm y para la etapa 3 es 42.57 cm/día; para la zona 1, 2 y 8 el umbral para la etapa 1 es 71.43 cm/día, para la etapa 2 es 104.38 y para la etapa 3 es 137.32 cm/día.

En la ventana de tiempo de 30 minutos se ha determinado que los valores para las zonas que comparten características. Los umbrales para la zona 5 el umbral en la etapa 1 es 6.59 cm/día, para la etapa 2 es 11.78 cm/día y para la etapa 3 es 16.96; para la zona 3, 4, 6 y 7 el umbral para la etapa 1 es 25.11 cm/día, para la etapa 2 es 40.51 cm/día y para la etapa 3 es 55.90 cm/día; para la zona 1, 2 y 8 el umbral para la etapa 1 es 78.07 cm/día, para la etapa 2 es 116.65 y para la etapa 3 es 155.22 cm/día.

En la ventana de tiempo de 15 minutos se ha determinado que los valores para las zonas que comparten características. Los umbrales para la zona 5 el umbral en la etapa 1 es 10.18 cm/día, para la etapa 2 es 18.58 cm/día y para la etapa 3 es 26.97; para la zona 3, 4, 6 y 7 el umbral para la etapa 1 es 29.72 cm/día, para la etapa 2 es 49.37 cm/día y para la etapa 3 es 69.02 cm/día; para la zona 1, 2 y 8 el umbral para la etapa 1 es 85.09 cm/día, para la etapa 2 es 130.12 y para la etapa 3 es 175.16 cm/día.

Como resumen se utilizaron las tres ventanas de tiempo, concluyendo que el umbral de alerta Roja en la etapa 1 es 42.68 cm/día, en la etapa 2 es 65.63 cm/día y en la etapa 3 es 88.57 cm/día.

Con el fin de reducir la incertidumbre de los umbrales a partir del análisis de la alerta roja se realizó un sobreajuste con las zonas 4, 5 y 7 donde se tiene una rotura del material muy frágil; con lo cual el umbral para la etapa 1 es 20 cm/día, para la etapa 2 es 30 cm/día y 40 cm/día para la etapa 3.

Recomendaciones

Es recomendable establecer un registro de la data de monitoreo de los georadares, con la finalidad de calibrar los niveles de alerta propuestos en este trabajo.

De tener más eventos del mismo comportamiento, se debe realizar un nuevo back análisis para identificar el punto de máxima aceleración para identificar la velocidad máxima de deformación en la que sucedió el colapso.

Realizar una actualización constante de los umbrales de alerta geotécnica, agregando nuevos eventos geotécnicos para precisar los umbrales durante un evento. Esto mejorará la precisión de los umbrales, reducirá la incertidumbre en la predicción de fallas y optimizará la gestión de riesgos geotécnicos.

Integrar los umbrales a la gestión de riesgo geotécnico, teniendo en cuenta que estos umbrales consideran el periodo de deformación crítica.

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Anexos

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Anexo 1: Matriz de consistencia

PROBLEMA	OBJETIVO	HIPÓTESIS	VARIABLE		INDICADORES	TÉCNICAS E INSTRUMENTOS DE RECOLECCIÓN DE DATOS
			DEPENDIENTE	INDEPENDIENTE		
¿Cuáles son los umbrales de alerta roja que incrementan la incertidumbre en la caída de material en yacimientos polimetálicos?	Analizar los umbrales de alerta roja basados en el tratamiento estadístico y el back análisis de eventos geotécnicos, para reducir la incertidumbre en la caída de materiales en unidades mineras polimetálicas	El análisis de los umbrales de alerta roja reducirá la incertidumbre en la caída de materiales en operaciones mineras polimetálicas	Incertidumbre en la caída de materiales	Umbrales de alerta roja	*Umbrales de alerta generales ($cm/día$). *Ratios de velocidades máximos ($cm/día$). *Ratios de aceleraciones máximas ($cm/día^2$).	*Checklist de parámetros de calidad de información del Radar. *Registro de eventos geotécnicos. *Análisis estadísticos de los eventos.

Fuente: Elaboración propia.

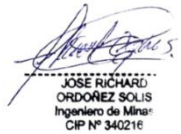
Anexo 2: Checklist de parámetros de calidad de información de los georadares

Parámetros de Calidad de Datos de los Radares Geotécnicos					
Carpeta de Pared:		Fecha:			
Parámetro	Área	Descripción	Respuesta	Estado	Comentarios
Estado del Sistema - Optimo	Disponibilidad de Datos	Los datos en tiempo real están disponibles en el Punto Primario de Monitoreo (PMP) o alguien está revisándolos directamente en el SSR	X	Verde	interrupción de 4 horas el 16 de marzo. Estar atentos a reportar esta situación si se repite frecuentemente
		Los datos están disponibles de forma intermitente en el PMP por problemas de conectividad del Elink o hay escaneos de duración muy larga en la gráfica de tiempo por scan.			
		Los datos en tiempo real sólo se encuentran disponibles en el radar y nadie está revisándolos en el SSR			
		No hay datos en tiempo real disponibles ni en el radar ni en el PMP.			
	Tipo de SSR & Modo de Escaneo	El SSR tiene un plato pequeño o grande, se encuentra escaneando la pared a un Rango<1400 m y se ha seleccionado el modo de rango corto.			Los pixeles ubicados en el banco superior pueden presentar errores en la medición del rango. Verificar y enmascarar cuando sea necesario
		El SSR tiene un plato grande, se encuentra escaneando la pared a un Rango<2800 y se ha seleccionado el modo de largo rango (RPN).	X	Verde	
		El SSR es un T-series, tiene un plato grande, 2800<Rango<3500, y se ha seleccionado el modo de rango extendido			
		La combinación de rango de escaneo y modo de escaneo del SSR no se ajusta a ninguno de los criterios anteriores.			
	Fuerza de la Señal (Amplitud)	La imagen de amplitud es consistente en toda la carpeta de pared, sin ningún periodo detectado de baja amplitud (que se observa como imágenes de amplitud más oscuras).	X	Verde	
		La imagen de amplitud muestra una reducción gradual de fuerza en el tiempo, o caídas de fuerza periódicas (ambos se muestran en colores más oscuros).			
		La imagen de amplitud muestra una fuerza similar entre las áreas del cielo y la cara de la pared. La imagen de deformación no tiene ningún sentido. La imagen de amplitud se torna azul y la máscara de cielo aparece sobre áreas extensas de la imagen de deformación.			
	Consistencia de la Señal de Retorno / Cambios de superficie (Coherencia)	La imagen del Δ Coherencia para la cara de la pared es por lo general clara (blanca), excepto en los periodos lluviosos o voladuras o vegetación & actividad minera.	X	Verde	La estación climática está generando registros de lluvia cada vez que el motor arranca. Verificar con él TE si es posible aislar la estación del tráiler
		La imagen del Δ Coherencia muestra áreas grandes de colores oscuros, pero el ruido puede filtrarse fácilmente usando barras deslizadoras de tiempo para aislar los periodos donde el radar se recupera de problemas que haya experimentado.			

		La imagen del ΔCoherencia no puede ser mejorada filtrando con las barras deslizadoras de tiempo, indicando un problema del sistema.			
Área de Escaneo - Optimo	Tamaño del área	Menos de aproximadamente 1/8 del área de escaneo es innecesaria (cielo, fondo de pit, áreas que no son de interés etc.).	X	Verde	Es recomendable aumentar el área de escaneo horizontal para monitorear también el talud oeste y este
		Alrededor de 1/4 del área de escaneo es innecesaria.			
		Más de 1/4 de la selección de escaneo es innecesaria.			
		El área crítica o área de interés se encuentra parcialmente afuera o completamente afuera del área de escaneo.			
	Velocidad de escaneo vs velocidad de deformación	La velocidad de deformación en el (los) sector(es) de interés es menor a la velocidad máxima de deformación que el SSR puede registrar bajo la actual configuración (revisar tiempo de escaneo).	X	Verde	
		La velocidad de deformación en el (los) sector(es) de interés es mayor a la velocidad máxima de deformación que el SSR puede registrar bajo la actual configuración (revisar tiempo de escaneo).			
	Localización del SSR respecto al sector de interés	El ángulo de incidencia de la señal del SSR permite registrar entre un 50% y un 100% de la magnitud real del vector de deformación en el (los) sector(es) de interés.	X	Verde	Tener en cuenta que en un sector de la pared oeste la pérdida del vector de deformación puede ser de hasta un 50%
		El ángulo de incidencia de la señal del SSR permite registrar entre un 20% y un 50% de la magnitud real del vector de deformación en el (los) sector(es) de interés.			
		El ángulo de incidencia de la señal del SSR permite registrar entre un 0% y un 20% de la magnitud real del vector de deformación en el (los) sector(es) de interés.			
	Fotografías - Optimo	Alineación de la Cámara	La cámara y el radar se encuentran muy bien alineados: desalineamiento ≤ 2 píxeles dentro del área de interés.	X	Verde
Alineamiento medio: desalineamiento entre 3 y 4 píxeles dentro del área de interés.					
Las fotos no mantienen una posición constante, en lugar de esto ellas se mueven en direcciones diferentes durante la vida de la carpeta de pared.					
Mal alineamiento: desalineamiento > 4 píxeles dentro del área de interés.					
Calidad de la Foto		La gran mayoría de las fotos de cada día tienen buena calidad (no considere niebla natural ni polvo en su respuesta).	X	Verde	
		Todas las fotografías son difíciles de interpretar (borrosas, sucias, rayadas, fuera de foco, interferencia del plato, etc.).			
		Ninguna fotografía se puede usar o está disponible.			
Máscaras - Optimo	Máscaras de cielo y en el rango corto	El radar enmascara automáticamente el área de cielo. La máscara automática en el rango corto sólo está aplicada en los pixeles que aparecen a muy corta distancia en la imagen de rango del radar.	X	Verde	
		El cielo no es enmascarado automáticamente.			

Sistema de Alarmas - Optimo		El nivel de amplitud de la máscara de cielo es demasiado alto, enmascarando (parte de) el área de interés.			
		La máscara es aplicada de forma aleatoria unas veces sí otras no, p.ej., durante lluvias fuertes.			
	Máscara Manual	La máscara manual se encuentra definida de forma apropiada para prevenir falsas alarmas y mostrar una imagen de deformación clara O la máscara manual no es necesaria.	X	Verde	
		El enmascarado es deficiente en las áreas de alarmado: las áreas de alarma se muestra maquinaria, vegetación, agua (piscinas y manantiales), botaderos activos, mallas de alambre, equipo, cables, tuberías sin enmascarar.			
		El área de interés está enmascarada completa o parcialmente.			
	Máscara de Deformación Mejorada	La Máscara de Deformación Mejorada se aplica correctamente sobre áreas propensas a causar ambigüedades en el área de interés O la máscara de deformación mejorada no es necesaria.	X	Verde	
		La Máscara de Deformación Mejorada se aplica de forma incompleta y/o en partes del área de interés que no son propensas a ambigüedades.			
		No se ha aplicado la Máscara de Deformación Mejorada, pese a que varios eventos de escaneo mejorado están ocurriendo.			
		Toda el área de escaneo está enmascarada con la Máscara de Deformación Mejorada O se ha reemplazado un número excesivo de escaneos y las tendencias de las curvas de deformación mejorada y deformación estándar son muy diferentes.			
	Watchdog	Se requiere monitoreo crítico. El PMP muestra el Modo Crítico en la pantalla principal. El watchdog ha sido ensayado, ha pasado la prueba y no está generando ninguna alarma.	X	Verde	
		Mismo estado que el indicado arriba con la diferencia de que el watchdog está generando alarmas.			
		Se requiere monitoreo crítico pero el watchdog no está armado. El PMP está recibiendo datos en tiempo real.			
		El PMP no requiere datos en tiempo real.			
	Ajustes de Alarma y Notificaciones	El PMP tiene alarmas que se han configurado para dispararse en los umbrales y condiciones definidas según su evaluación de riesgos y las personas relevantes serán notificadas.	X	Verde	El área de interés está enmascarada. Las alarmas no se están evaluando.
		El PMP no tiene alarmas, o tiene alarmas que no están configuradas para dispararse en los umbrales y condiciones definidas por su evaluación de riesgos, y/o las personas relevantes no serán notificadas en caso de alarma.			
		El PMP no requiere alarmas, de acuerdo con su evaluación de riesgos.			

	Alarma de Aproximación al límite de Ambigüedad	Se ha configurado una alarma para 7mm de deformación en 1 escaneo para alertar al usuario que una pared que se está moviendo rápido se está aproximando al límite de ambigüedad O usted no desea configurar una 'alarma de aproximación al límite de ambigüedad' O no se requiere.	X	Verde	
		No se ha configurado un escaneo de aproximación a la deformación de ambigüedad y hay áreas de la zona de escaneo desplazándose a velocidades mayores que 7 mm/scan.			
	Coherencia de Áreas de Alarma	La imagen de ΔCoherencia (configurada entre min=0.0 y máx.=0.3) es blanca o azul clara en áreas donde las alarmas han sido definidas, O cualquier ruido por encima de 0.3 en la imagen ΔCoherencia puede ser fácilmente filtrado usando las barras de tiempo (por ejemplo, durante lluvias, tronaduras y problemas puntuales del sistema).	X	Verde	
		La imagen ΔCoherencia (configurada entre min=0.0 y máx.=0.3) es azul o azul oscuro en las áreas donde se han definido las alarmas y los periodos ruidosos no pueden ser filtrados utilizando las barras de tiempo (ruido constante en la curva de Coherencia).			
	Selección de Algoritmo de Corrección Atmosférico	Se ha seleccionado el algoritmo de Deformación Mejorada.	X	Verde	
		Se ha seleccionado el algoritmo de Deformación Estándar.			
		Se ha seleccionado el algoritmo de Deformación Predictiva sin consultar con los Servicios de Soporte Geotécnico de GroundProbe.			
Corrección Atmosférica - Optimo	Nota de corrección atmosférica	Las áreas Estables de Referencia son seleccionadas como el método para controlar los cambios atmosféricos.	X	Verde	
		La Estación Climática es seleccionada para la corrección atmosférica y el radar se encuentra a un rango menor a 600 m.			
		La Estación Climática es seleccionada para la corrección atmosférica y el radar se encuentra a un rango mayor a 600 m.			
		No se ha aplicado corrección atmosférica.			
	Áreas Estables de Referencia (SRAs)	Aplicable cuando se están usando Áreas Estables de Referencia (SRA).			Emplear dos o tres SRA de dos pixeles (como máximo), ubicarlas a diferente rango y en sectores opuestos. Verificar siempre el alineamiento de la fotografía antes de configurar las SRA
		Dos o más SRAs fueron creadas en dominios geológicos independientes y a diferentes rangos. Cada SRA tiene más de 2 pixeles. El número de pixeles en las SRAs es pequeño comparado con el tamaño del área de escaneo.	X	Verde	
		Dos o más SRAs fueron creadas en el mismo dominio geológico, al mismo rango O las SRAs tienen sólo 1 píxel cada una.			
		Sólo una SRA fue creada.			
	Curva de dispersión de las SRA	No se crearon SRAs			La curva tiene un número excesivo de picos (ruido). Probablemente debió a
		Aplicable cuando se están usando Áreas Estables de Referencia (SRA).			
		No hay escalones, la curva sigue una tendencia horizontal sólo con picos ocasionales.	X	Verde	

		La curva muestra una tendencia horizontal separada por escalones verticales en los datos o una curva de deformación con tendencia regresiva.			la baja coherencia de algunas de las SRA o a que algunas SRA fueron ubicadas en el cielo
		La curva muestra una propagación creciente de la deformación (gradiente continuo, gradiente progresivo o un número significativo de pasos) O la gráfica es extremadamente ruidosa; los datos no tienen calidad suficiente para ser usados.			
	Coherencia de las SRA	Aplicable cuando se están usando Áreas Estables de Referencia (SRA). La imagen de DCoherence configurada desde 0.0 hasta 0.1			
		Todos los Píxeles Estables de Referencia (SRP) se encuentran en áreas blancas (DCoherencia <0.1)	X	Verde	
		Menos de un tercio de los SRP se encuentran en áreas azules, azul claro u oscuro (DCoherencia >0.1)			
		Más de un tercio de los SRP se encuentran en áreas azules (azul claro u oscuro) (DCoherencia >0.1)			
	Correlación del índice de refractividad (SRA vs estación climática)	Aplicable solamente si la gráfica de Refracción muestra dos curvas (más de 1 día de datos).			
		Las curvas de Gradiente y Estación Climática siguen de cerca la misma tendencia.	X	Verde	
		Las curvas tienen una tendencia similar: unos cuantos escalones pueden haber causado que se separaran, pero la tendencia general es aproximadamente paralela (exportar los datos y revisar la diferencia en Excel).			
		Las curvas divergen o convergen de forma continua.			
	Curva de refractividad (estación climática)	Aplicable sólo si el radar tiene una estación meteorológica (EM) O si el método de corrección atmosférica es la EM			
		La gráfica tiene una curva sinusoidal y su tendencia es horizontal.	X	Verde	
		La gráfica tiene una curva sinusoidal y una tendencia hacia arriba o hacia abajo. Se ha experimentado una caída o un incremento diario en la temperatura atmosférica en la mina.			
		La gráfica tiene una curva sinusoidal y una tendencia hacia arriba o hacia abajo. El clima (temperatura y humedad) han permanecido estables durante la carpeta de pared.			
ESTADO GENERAL		Optimo			 JOSE RICHARD ORDÓÑEZ SOLÍS Ingeniero de Minas CIP N° 340216



CERTIFICADO DE CONFORMIDAD

+ ESTO ES PARA CERTIFICAR QUE:

**EL RADAR DE ESTABILIDAD DE TALUDES
SSR335XT – UM CERRO CORONA.**

SE ENCUENTRA EN CUMPLIMIENTO CON LOS PARÁMETROS DE CALIDAD DE DATOS Y DE PRUEBA “SSRCONTROL TEST RADAR”, INCLUIDOS EN LA LISTA

Estado del Sistema	:	Sin discrepancias observadas.
Alineamiento y calidad de fotografía	:	Alineada y enfocada
Corrección Atmosférica	:	Aplicada correctamente
Desviación Estándar	:	0.017298(Dentro de tolerancias)
SNR	:	44.727(Dentro de tolerancias)
Nivel Estimado para “Sky-mask”	:	4.1948e+18
PLL Status	:	72BF

El presente certificado se extiende conforme a las mediciones, según Procedimientos de fábrica, realizadas por personal calificado y competente de GroundProbe.

Pérdida de validez:

- El radar sea modificado o reparado por personal no autorizados y no certificado por GroundProbe.
- Las mantenciones no sean realizadas por GroundProbe, según plan anual.
- El radar ha sido objeto de abuso o de uso indebido, que no es conforme con las instrucciones del manual del producto, o ha sido expuesto a un entorno más inclemente del que se ha descrito en el manual o en las especificaciones.
- Los sellos de garantía estén rotos o han sido retirados de los sistemas electrónicos.
- Uso de software MonitorIQ Desktop o licencia no autorizada ni validada por GroundProbe.
- Uso partes/repuestos no originales, no certificados por el GroundProbe, o su intervención, reparación o modificación por terceros no calificados por GroundProbe.


Jhan C. Valeriano Mendoza
Superintendente de operaciones y
Mantenimiento - GroundProbe Perú SAC


Johnatan M. Revilla H.
Technical Specialist GroundProbe
GroundProbe Peru SAC

Fecha : 15 / Enero / 2025

Vigencia : 3 Meses

decision confidence™



Informe Mantenimiento SSR335XT.

Unidad Minera Cerro Corona

Lima, 20 de enero 2025.



 **ORICA** Digital Solutions

 GroundProbe

 rsf

 MEASURAND

MEASURAND

3vGeomatics

 SYSCOM

NAVSTAR

I. Antecedentes

- El radar SSR335XT se encontró operativo, funcionando de forma autónoma. El trabajo de mantenimiento del módulo CPS y generador se realiza según el cronograma establecido entre ambas partes.

II. Tareas Programadas:

- Inspección del equipo y chequeo del motor de partida.
- Cambio de filtros de combustible (primario y secundario), cambio de filtro de aceite, cambio de filtro del kit de extensión.
- Cambio de aceite.
- Cambio de correas de alternadores de 12VDC y 24VDC.
- Cambio filtro de aire.
- Instalación de gas strut en el cubículo de la tablet de interfaz de usuario.
- Cambio de luz estroboscópica.
- Test de Pruebas (test Motor, test Radar, test camera, Test Weather Station).
- Inspección de ruidos o comportamiento anómalo en el brazo actuador y gas strut.
- Revisión de inclinación X-Y del trípode del radar, verificación de puntos de contacto entre el tráiler y el trípode.
- Verificación y limpieza de conectores de módulos.
- Respaldo de archivos setting, logfiles.
- Verificación de encendido del generador en modo automático y modo manual.
- Medición de banco de baterías, baterías auxiliar y de arranque.

III. Actividades Realizadas:

Fecha: 15 del mes de enero 2025

Se inician los trabajos apoyando al cliente en el traslado del radar desde el tajo hacia un espacio techado para comenzar los trabajos de mantenimiento del equipo.

A. Mantenimiento - Generador CPS (Y)

- ✓ Purgado de aceite del motor: encendido del generador por unos minutos para retirar el aceite del motor.
- ✓ Cambio del filtro de aceite del motor.
- ✓ Cambio de los filtros primario y secundario de combustible.
- ✓ Cambio del filtro de aceite del kit de extensión.

- ✓ Cambio de la correa del alternador de 12VDC (01) 13X890 dentada.
- ✓ Cambio de las correas del alternador de 24VDC (02) 9.5X950 dentadas.
- ✓ Inspección de los cables del conector gris y conjunto de cables del alternador de 12VDC; se realiza limpieza y ajuste de terminales del alternador de 12VDC.
- ✓ Revisión del cableado interno, no encontrándose observaciones en la presente visita.
- ✓ Reabastecimiento con nuevo aceite (1 galón y 1/4 galón) tipo 15W40.
- ✓ Nivelación del refrigerante aprobado por GP, dejándolo en nivel alto.
- ✓ Cambio del filtro de aire del motor.
- ✓ Limpieza general del polvo acumulado en el motor y en el interior del generador CPS Yanmar.
- ✓ Inspección del funcionamiento del motor de partida, efectuando pruebas de encendido, no encontrándose problemas.
- ✓ Limpieza de CPS y ajuste de borneras.
- ✓ Se realiza limpieza general externa del radar.

B. Mantenimiento – del Radar XT

- ✓ Se procedió con reemplazo de "gas strut ,L290mm" perteneciente a tapa cubículo de la tablet de interfaz de usuario; quedando operativo.
- ✓ Se inició el reemplazo de la luz estroboscópica. Durante los trabajos de desmontaje, se detectó un corte en el cable alimentador, por lo que se procedió a realizar una nueva conexión y se recuperó la luz estroboscópica original. En consecuencia, el componente nuevo fue devuelto al almacén de Lima.
- ✓ Inspección del brazo actuador, carbones del motor de brazo y gas strut, sin observaciones en la presente visita.
- ✓ Medición del banco de baterías, batería auxiliar y de arranque.
 - Observación del banco de baterías: Se determina, posterior a la medición, que 2 baterías se encuentran en estado de envejecimiento y 2 en estado de desgaste. Resultado de acuerdo con el tiempo de vida.

POSICIÓN	BANCO BATERIAS	SOH	SOC	RESIST.INT	VOLT. BAT
INF. IZQ.	1828G220070537	43%	100%	3.28 mOHM	12.76 V
INF. DER.	1828G220070540	59%	100%	2.82 mOHM	12.76 V
SUP. IZQ.	1828G220070554	57%	100%	2.84mOHM	12.84 V
SUP.DER.	1828G212440030	53%	100%	2.96 mOHM	12.74 V

- Batería auxiliar y de arranque: Se determina, posterior a la medición, que ambas baterías se encuentran en buen estado.

POSICIÓN	BANCO BATERIAS	SOH	SOC	RESIST.INT	VOLT. BAT
ARRANQUE	0579D212380017	95%	100%	4.72 mOHM	12.92 V
AUXILIAR	0579D212650211	95%	100%	4.72 mOHM	12.8 V

- ✓ Respaldo de archivos Logfiles, Settings respaldo de archivos de MIQ.
- ✓ Liberación de espacio en disco duro de radar.

C. Pruebas – del Radar XT:

- ✓ Se realizan pruebas del motor, radar, cámara y estación meteorológica.
- ✓ Verificación de la conexión entre el radar SSR335XT y el PMP conforme.
- ✓ Se procede a retomar la pared para inspeccionar el monitoreo.

Se finaliza el mantenimiento del radar. Con el apoyo del cliente, se procede a trasladar el radar al tajo, dejando el radar operativo y con adquisición de datos. Se deja el generador en modo Bulk Charge.

Fecha: 16 del mes de enero 2025

A. Mantenimiento – Software

- Se realizó la actualización de la versión de software en el equipo PC RADAR, dejando instalada la versión MonitorIQDesktop 2024.1.138+157.



Imagen 01: Versión MIQ en PC Radar

- b. Se realizó la actualización de la versión de software en equipo PMP dejando instalada la versión MonitorIQDesktop 2024.1.138+157.



Imagen 02: Versión MIQ en PC PMP

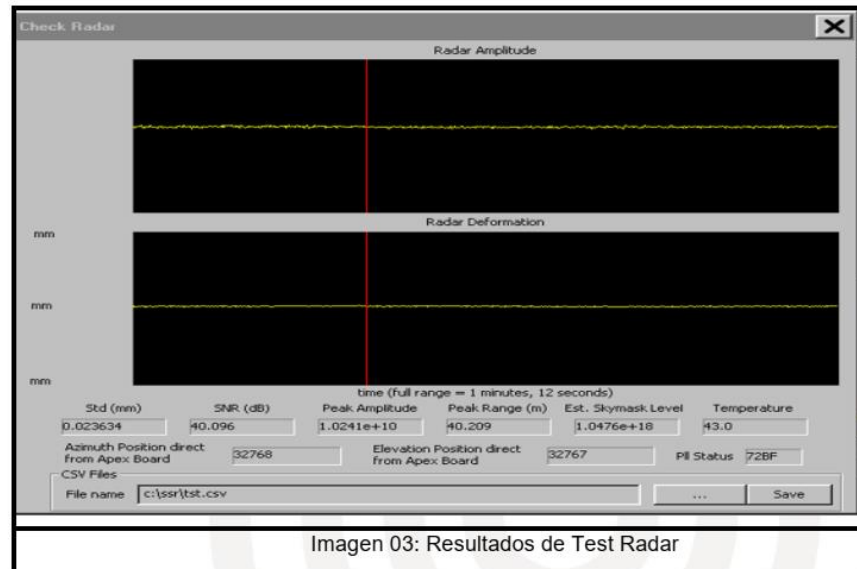
- c. Posterior a las pruebas, se verifica la comunicación entre ambos equipos, sin observaciones.

B. Mantenimiento - Generador CPS (Y)

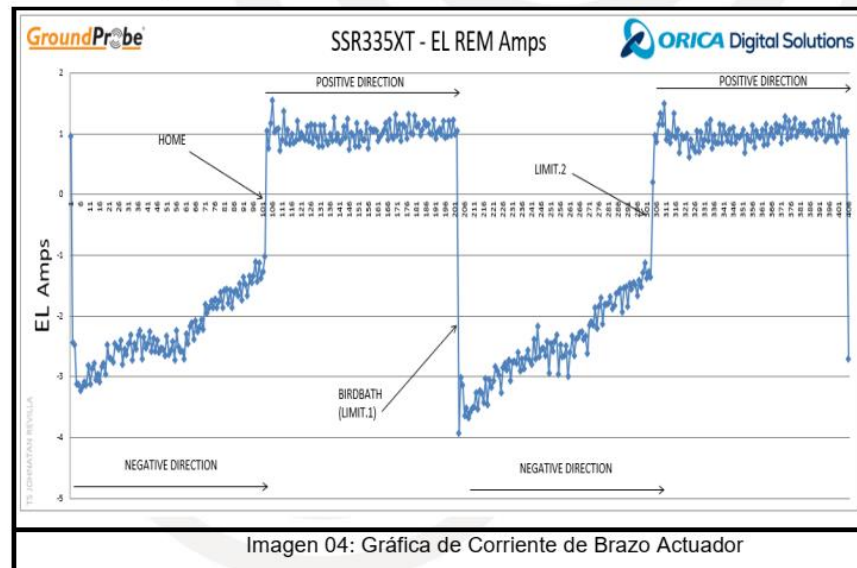
- ✓ Se procedió a realizar la inspección en campo de los trabajos realizados el día previo, no encontrándose observaciones.
- ✓ Se procede a poner el generador en modo automático.

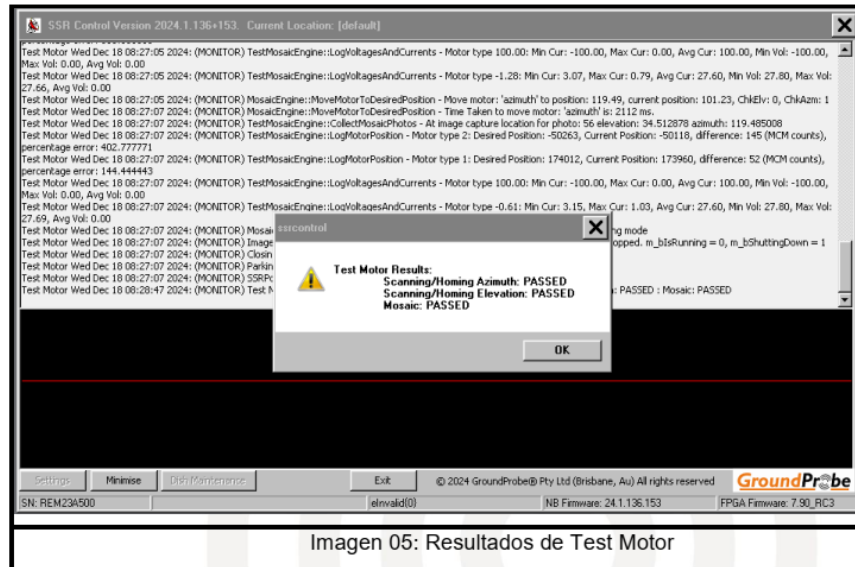
IV. Resultados de Pruebas en Radar:

A. Test Radar: Aprobado

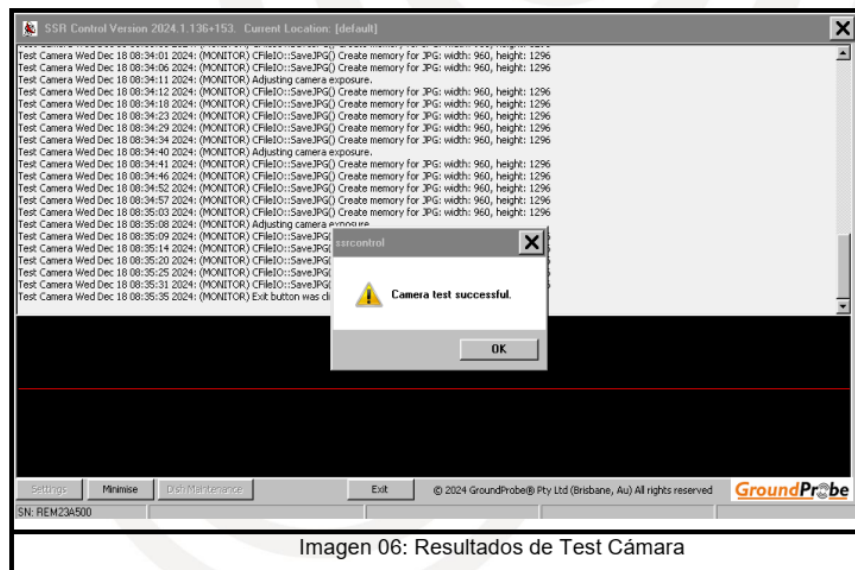


B. Test Motor: Aprobado

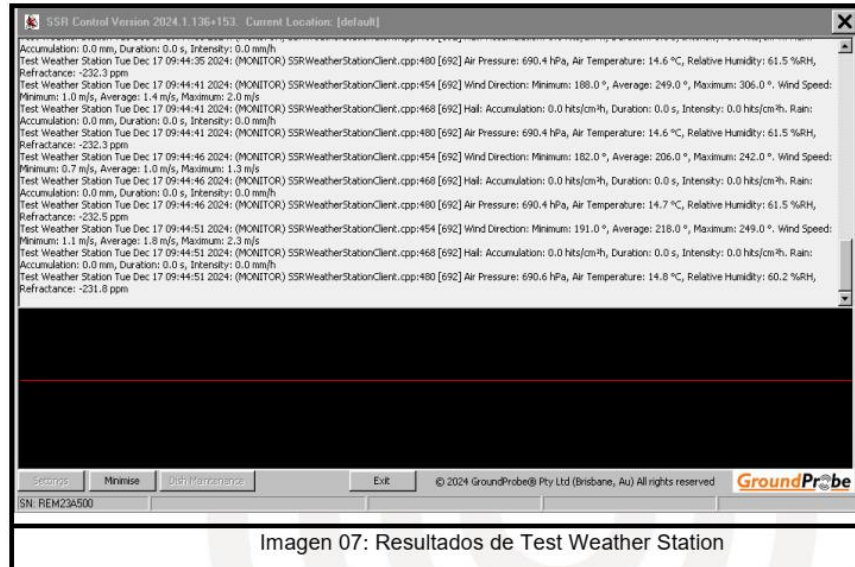




C. Test Cámara: Aprobado



D. Test Weather : Aprobado



V. Fotografías De Trabajos Realizados:





Imagen 10 & 11: Filtro Secundario Combustible antes y después



Imagen 12 & 13: Filtro Primario de aceite antes y después



Imagen 14 & 15: Filtro de kit de extensión antes y después



Imagen 16 & 17: Filtro de aire antes y después



Imagen 18 & 19: Cambio Fajas alternador 24V.



Imagen 20 & 21: Cambio Fajas alternador 12V.



Imagen 22: Inspección Gasstrut



Imagen 23: Inspección Brazo



Imagen 24 & 25: Inspección de Carbones.



Imagen 26 & 27: Cambio Gas Strut 290 mm – Cubículo contenedor Tablet UI



Imagen 28: Resultados de medición de banco baterías Odyssey PC2150

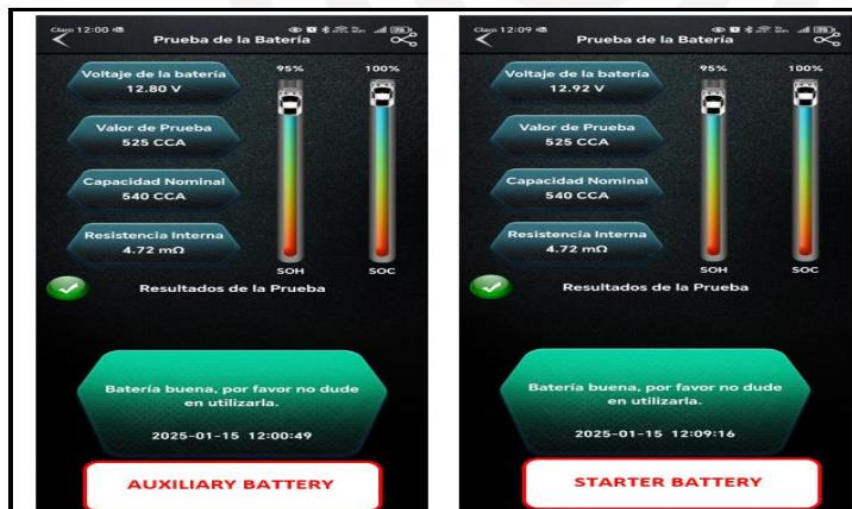


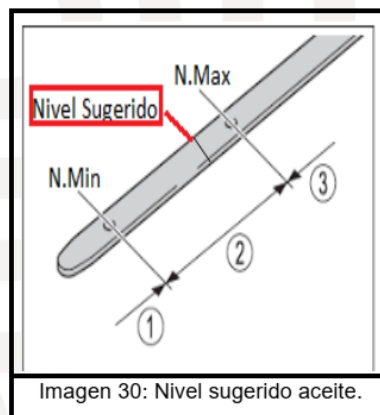
Imagen 29: Resultados de medición de baterías arranque y auxiliar Odyssey PC1200

VI. Información del Radar:

- Radar con Software Monitor IQ 2024.1.138+157
- REM : 16D047 State: 2
- CPS Generador Box : 16B014
- CPS Battery Box : -----
- Tanque de Combustible : 0070
- Visual Caption System : 0318 State: -
- Trailer : S/N
- External Circulator : 16C032
- Dish Frame, XT, OG : 16E028
- UI : 16E031 Serie : 59493
- Horas de Radar : -----
- Horas Motor : 21844.74 Hrs.

VII. Tareas Que Requieren Seguimiento:

- Se deja el aceite del motor en el nivel adecuado; se debe tener en cuenta rellenar si es necesario cuando el nivel esté por debajo del mínimo indicado en la varilla, sin superar el $\frac{3}{4}$ del nivel máximo.
- Revisión del nivel de refrigerante del radiador, rellenar si es necesario hasta el nivel HIGH.
- Inspección de los carbones en el brazo actuador dentro de un mes para verificar que no bajen de 15 mm.
- Inspección mensual del estado del chasis y puntos de sujeción en el tráiler del radar.



VIII. Tareas Próximo MTM

- Inspección del estado del brazo.
- Inspección de los carbones del brazo y considerar su cambio si es necesario; los carbones se dejan en el maletín de herramientas del radar.
- Cambio de gas strut.
- Mantenimiento de 3 meses.

IX. Recomendaciones:

- Se debe considerar la correcta nivelación y despliegue del radar cuando se realicen las movilizaciones a diferentes áreas de monitoreo.

- Asegúrese de que el trípode y el remolque estén separados por al menos 20 mm (0,8").
- Inspeccionar que, al momento de haber desplegado y posicionado el radar, no existan vibraciones cuando el generador esté encendido.

X. Conclusiones:

- El radar se encuentra actualmente en operación en modo autónomo, después de las revisiones y el mantenimiento realizados.
- Se realizará el seguimiento de las funciones normales de trabajo y operación del equipo.

Se entrega el informe de trabajo para fines convenientes en tramitaciones futuras.

OBSERVACIONES

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.....

REALIZACIÓN DE MANTENIMIENTO – SSR335XT – ENERO 2025

XI. Anexos:

- Radar : SSR335
- Ubicación : Tajo – Plataforma Radar GP
- Partes Involucradas : Sistema completo (Radar – GPS)
- Fechas Involucradas : 15 al 16 de enero del 2025
- Área responsable : Supervisión Geotecnia

Si	Antes de llevar a cabo cualquier trabajo en terreno, sostenga una reunión con el Cliente o su representante para exponer las tareas que se llevarán a cabo.
Si	Se han completado todas las tareas programadas, o reprogramadas en acuerdo con el Cliente y la Gerencia de Operaciones de GroundProbe Perú S.A.C.
Si	Se ha ejecutado una revisión de las partes y repuestos disponibles (Mantenimiento Preventivo).
Si	Se ha informado al Cliente y a la Gerencia de Operaciones de GroundProbe Perú S.A.C. de las deficiencias encontradas durante la visita.
Si	Se ha efectuado una reunión con el Cliente o su representante para informar de las tareas ejecutadas durante la visita, y de aquellas que requieren de un seguimiento.
Si	Se debe entregar copia de los informes al Cliente o su representante, además de la Gerencia de Operaciones de GroundProbe Perú S.A.C.

XII. Información de Contacto:

Superintendente de operaciones:

- Jhan Valeriano Cel:+51 913 083 813 Perú

Equipo Especialista Radar:

- Johnatan Revilla Cel:+51 940 976 181 Perú
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- Bryan Figueroa Cel:+51 991 967 540 Perú
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Correos de Soporte:

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- johnatan.revilla@groundprobe.com Especialista en radar
- ricardo.camayo@groundprobe.com Especialista en radar
- yeferson.ortiz@groundprobe.com Especialista en radar
- bryan.figueroa@groundprobe.com Especialista en radar

Fecha: 20 de enero 2025

GroundProbe®

GROUNDPROBE PERU S.A.C.

Johnatan M. Revilla H.
Especialista en Radares

CERTIFICATE OF CALIBRATION

IDS GeoRadar Equipment:

IBIS-FM EVO SN 010-23-000397

Radar Sensor SN 090-23-000180

Customer/site:

Gold Fields

This is to certify that after checks performed on the log files:

- 240111_FM_EVO_5E_Sensor_2024_10

and radar images:

from 2024-10-04_16:32:04

the radar sensor has resulted to be in working condition and calibrated within the required range.

The product is designed so that the switching range matches the alignment range. No tune up procedure is required by technicians or users after the equipment has left the factory to match its specifications on the working frequency. No manual trimmers or adjustments that can be manually done are implemented. No periodic calibration is required as the product itself alerts if one or more internal parameters are out of the permitted range.

Pisa (Italy), 25 October 2024


Davide Carboni Mining Technical Support and Services IDS GeoRadar

Expiration date: 1 year from the issuing date.

The emission of this certificate does not imply any warranty against faults or malfunctioning that may occur after the time of the analyzed dataset (log files and radar images).

CERTIFICATE OF CALIBRATION

IDS GeoRadar Equipment:

IBIS-ArcSAR SN 010-20-000397

Radar Sensor SN 090-20-000084

Customer/site:

Gold Fields

This is to certify that after checks performed on the log files:

- TAJOCERROCORONA_081121_Sensor_2024_10

and radar images:

from 2024-10-04_16:05:06

the radar sensor has resulted to be in working condition and calibrated within the required range.

The product is designed so that the switching range matches the alignment range. No tune up procedure is required by technicians or users after the equipment has left the factory to match its specifications on the working frequency. No manual trimmers or adjustments that can be manually done are implemented. No periodic calibration is required as the product itself alerts if one or more internal parameters are out of the permitted range.

Pisa (Italy), 25 October 2024


Davide Carboni Mining Technical Support and Services IDS GeoRadar

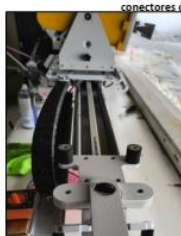
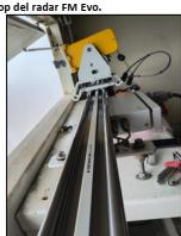
Expiration date: 1 year from the issuing date.

The emission of this certificate does not imply any warranty against faults or malfunctioning that may occur after the time of the analyzed dataset (log files and radar images).

	QSI PERU S.A. RUC: 20546357377 Av. República de Panamá 2577, Lima 13 Servicio al Cliente: 718-4000 www.qsindustrial.biz	F-SATM-02 Versión: 01
REPORTE DE SERVICIO		
DESCRIPCION Y SEGUIMIENTO DE SOPORTES TECNICOS EJECUTADOS		
(Este formulario es obligatorio, ya que permitirá dar seguimiento al cumplimiento de los objetivos SMART)		
DATOS GENERALES DEL REQUERIMIENTO		
CLIENTE:	GOLDFIELDS	
CONTACTO:	ELIZABETH TASILLA/FREDDY CASTRO	
CARGO:	SUPERVISOR GEOTECNICO	
CORREO:	Edith.Tasilla@goldfields.com / Freddy.Castro@goldfields.com	
TELEFONO:	845572061/845383657	
FECHA Y HORA DE REQ.	04/02/2025 - 17:33	
TIPO DE ASISTENCIA	REMOTO	GUARDIA
	V.INSTALACION	V.PREVENTIVA
		V.CORRECTIVA
		CAPACITACION
FALLA REPORTADA	Radar FM EVO: Mensaje de error "ENCODER PULSE COUNT MISALIGNMENT LIMIT EXCEEDED" "POSITIONER WILL AUTOMATICALLY RESTART" "SUPPLY CONTROLLER NOT FOUND" "WEATHER STATION NOT CONNECTED" Radar IBIS ArcSAR: Sin errores	
DATOS DE ASISTENCIA / SOPORTE		
ESPECIALISTA ASIGNADO	LUIS QUISPE	
FECHA DE INICIO	10/02/2025	HORA DE INICIO
		11:00
DIAGNOSTICO DE ASISTENCIA / SOPORTE	Radar IBIS FM EVO *Radar FM EVO con monitoreo cada 2 minutos, debido a una parada intempestiva del radar. El contador del motor del radar no se encontró en posición correcta. *Sin comunicación de Weather Station y Supply Controller. *Presencia de polvo en la faja magnética y motor de posicionador desalineado. Radar IBIS ArcSAR *Compartimientos electrónicos con presencia de polvo. *Software Controller con versión desactualizada. *Software Guardian con versión desactualizada. *Gestor de licencias desactualizado CLM 2.13. *Licencias desactualizadas en CLM License. *Disco D en la laptop de campo, con archivos backup Diciembre 2024 y Enero 2025. *Estructura de panel solar en mal estado (presencia de óxido).	
REPUESTOS Y/O ACCESORIOS (EN CASO DE ASISTENCIA EN CAMPO)	Tarjeta PSC (radar FM EVO)	
ACTIVIDADES REALIZADAS EN LA ASISTENCIA / SOPORTE	Radar FM EVO: Mantenimiento correctivo: *Inicio del contador del motor de posicionador del radar FM EVO. Con este procedimiento el radar presenta monitoreo cada 01 minuto, sin generar errores en el software Controller. Asimismo, los "Time Series" se presentan con líneas continuas en el software Guardian. *Cambio de tarjeta PSC en el radar. Actualmente, se observa la opción "Supply" y "Weather Station" con comunicación. A partir de este cambio, se podrán ver los datos: Voltaje de baterías (Controller y Guardian) y Datos de estación meteorológica (Controller y Guardian). Mantenimiento preventivo: *Lubricación de riel magnético. *Limpieza de conectores periféricos de laptop, Sensor Radar, PSU y Posicionador: USB y seriales. *Medición del voltaje del banco de baterías del sistema fotovoltaico: 22.3V. *Autonomía máxima del disco Backup: 30 días. Radar ArcSAR: Mantenimiento preventivo: *Actualización del Gestor de licencias 2.13 al 2.19 *Actualización de licencias Controller hasta el 31/03/2025. *Copia de archivos backup del proyecto (Raw Data): Diciembre 2024 a Enero 2025. *Autonomía máxima del disco Backup: 36 días. *Limpieza de conectores periféricos de laptop, Sensor radar, Cámara Panorámica, Pointing cámara, PSU y Posicionador: USB y seriales. *Instalación de software Guardian y apertura de proyecto Guardian antiguo en una PC de oficina. *La próxima visita se realizará la actualización de software Guardian y Controller.	
RECOMENDACIONES GENERALES	Radar FM EVO: *Revisar constantemente el voltaje de las baterías del radar FM EVO y evitar los apagados intempestivos del equipo. Se recomienda una segunda alternativa de energía. Por ejemplo una luminaria o generador ante cualquier caída de energía debajo de los 23V. Si se implementa esta alternativa, deberá ser conectada a un estabilizador para evitar picos que puedan dañar al cargador de baterías interno del radar. *Limpieza cada 10 días de la faja magnética, ya que abunda el polvo en el container del radar FM EVO. Radar ArcSAR: *Se realizó la inspección de la estructura de los paneles solares en el radar con un proveedor especialista en soldadura, para realizar el reforzamiento de los marcos plegables de los paneles solares. Actualmente se encuentran debilitados y con óxido.	
FECHA DE TERMINO	13/02/2025	HORA DE TERMINO
		12:00
VºBº CLIENTE:	TIEMPO TOTAL ASISTENCIA (HORAS)	
ENVIAR A EMAIL:	73.0	
* En el caso de soporte se realice a un radar IDS o sea una instalación nueva deben llenarse todos los formatos indicados por IDS Geospatial.		
OBSERVACION CRITICA: SENSOR NO DISPONIBLE - CONTROL DEL TIEMPO DE NO DISPONIBILIDAD DE LOS SENSORES		
FECHA DE PARADA	FECHA DE ACTIVACION	
HORA DE PARADA	HORA DE ACTIVACION	
DETALLAR MOTIVO DE LA PARADA		
RECEPCION DEL SOPORTE Y MANTENIMIENTO BRINDADO:		
RESPONSABLE DE QSI PARA BRINDA EL SOPORTE A:	RESPONSABLE DEL VºBº DEL AREA USUARIA	
ESPECIALISTA	LUIS QUISPE	RESPONSABLE:
RESPONSABLE	13/02/2025	ELIZABETH TASILLA
FECHA:		CARGO:
FIRMA:		ING. GEOTECNICO
		AREA:
		GEOTECNIA
		FECHA:
		13/02/2025
		FIRMA:

	QSI PERÚ S.A RDC: 20546357377 Av. República de Panamá 2577, Lima 13 Servicio Téc.: 710-4000 www.qsindustrial.biz	F-SATM-03
		Versión: 01

REPORTE DE IMAGENES <i>(Este formulario es obligatorio, ya que permitirá dar seguimiento al cumplimiento de los objetivos SMART)</i>	
EQUIPO: SERIE:	RADAR IBIS FM EVO 010-23-000397

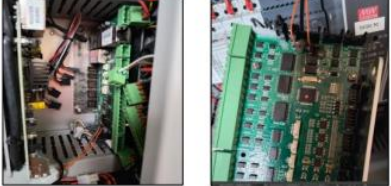
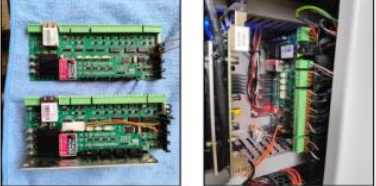
ANTES DEL SOPORTE: 10/02/2025		DESPUÉS DEL SOPORTE: 13/02/2025	
1 Breve Descripción del Estado Inicial:		Breve Descripción del Estado Final: Verificación del banco de baterías del panel fotovoltaico	 
2 Breve Descripción del Estado Inicial: Mantenimiento posicionador y PSU	     	Breve Descripción del Estado Final: Lubricación y limpieza de posicionador. Limpieza de conectores de laptop del radar FM Evo.	    

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REPORTE DE IMÁGENES

(Este formulario es obligatorio, ya que permitirá dar seguimiento al cumplimiento de los objetivos SMART)

EQUIPO:	RADAR IBIS FM EVO
SERIE:	010-23-000397

ANTES DEL SOPORTE: 10/02/2025	DESPUÉS DEL SOPORTE: 13/02/2025
1 Breve Descripción del Estado Inicial: Desconexión de Tarjeta PSC Averiada 	Breve Descripción del Estado Final: Cambio por una tarjeta PSC Nueva 
2 Breve Descripción del Estado Inicial: Paneles solares con polvo 	Breve Descripción del Estado Final: Limpieza de paneles solares 

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		Versión: 01

REPORTE DE IMAGENES <i>(Este formulario es obligatorio, ya que permitirá dar seguimiento al cumplimiento de los objetivos SMART)</i>	
EQUIPO:	RADAR IBIS ARCSAR
SERIE:	010-20-000397

ANTES DEL SOPORTE: 10/02/2025		DESPUÉS DEL SOPORTE: 13/02/2025	
3	Breve Descripción del Estado Inicial: Desconexión de laptop para limpieza de conectores  	Breve Descripción del Estado Final: Limpieza de compartimientos y conectores  	
4	Breve Descripción del Estado Inicial:	Breve Descripción del Estado Final: Limpieza de paneles solares y actualización de licencias  	
5	Breve Descripción del Estado Inicial:	Breve Descripción del Estado Final: Limpieza de neumáticos 	

Anexo 4: Registro de eventos geotécnicos de las zonas de estudio

EVENTOS GEOTÉCNICO 2024 - DESPACHO GEOTÉCNICO - SERVICIOS TÉCNICOS													
Código	Día	Mes	Año	Equipo de monitoreo con el que se detectó SI O NO	IBIS ARCSAR	Velocidad Máx. cm/día	Desplazamiento acumulado (cm)	GroundProbe	Velocidad Máx. cm/día	Desplazamiento acumulado (cm)	IBIS FM EVO	Velocidad cm/día Máx.	Desplazamiento acumulado (cm)
RT-2024-0001	22	4	2024	SI	NO	-	-	NO	-	-	SI	201.52	56.86
RT-2024-0002	29	11	2024	SI	NO	-	-	NO	-	-	SI	86.26	0.98
RT-2024-0003	25	10	2024	SI	SI			NO	-	-	SI	107.81	2.73
RT-2024-0004	29	11	2024	SI	NO	-	-	NO	-	-	SI	83.33	2.11
RT-2024-0005	29	11	2024	SI	NO	-	-	NO	-	-	SI	172.87	6.66
RT-2024-0006	30	11	2024	SI	NO	-	-	NO	-	-	SI	77.8	5.73
RT-2024-0007	2	12	2024	SI	NO	-	-	NO	-	-	SI	94.94	8.53
RT-2024-0008	29	12	2024	SI	NO	-	-	NO	-	-	SI	105.76	39.8

EVENTOS GEOTÉCNICO 2024 - DESPACHO GEOTÉCNICO - SERVICIOS TÉCNICOS

Código	Día	Mes	Año	Ubicación del equipo de monitoreo	Zona (Pared o referencias)	Nº Banco / Tipo de banco	Unidad Geotécnica	RMR	Tipo de Falla	Volumen (Aproximado) m^3	Tendencia deformación de	Fecha y Hora inicial de desplazamiento	Fecha y Hora final de desplazamiento
RT-2024-0001	22	4	2024	Zona Oeste	Noreste	3700	Argílico no competente	40	Caída de Material	300	Progresivo con salto de caída	20/04/2024 16:30	22/04/2024 02:48
RT-2024-0002	29	11	2024	Zona Oeste	Este	3780	Caliza no competente	45	Circular	10	Transicional y Progresiva	29/11/2024 08:51	29/11/2024 09:05
RT-2024-0003	25	10	2024	Zona Oeste	Este	3770	Potásico no competente	65	Cuña	9	Transicional y Progresiva rápida	25/10/2024 03:05	25/10/2024 08:42
RT-2024-0004	29	11	2024	Zona Oeste	Este	3560	Potásico competente	75	Cuña	10	Progresiva	29/11/2024 19:09	29/11/2024 19:44
RT-2024-0005	29	11	2024	Zona Oeste	Este	3730	Argílico 2 no competente	36	Cuña	5	Transicional y Progresiva	29/11/2024 13:51	29/11/2024 17:52
RT-2024-0006	30	11	2024	Zona Oeste	Este	3720	Argílico 2 no competente	36	Cuña	12	Transicional lenta y progresiva	30/11/2024 06:55	30/11/2024 17:13
RT-2024-0007	2	12	2024	Zona Sur	Este	3710	Argílico 2 no competente	36	Cuña	12	Transicional y Progresiva	2/12/2024 13:30	2/12/2024 18:14
RT-2024-0008	29	12	2024	Zona Oeste	Este	3710	Argílico 2 no competente	36	Circular	13	Transicional-Progresiva	29/12/2024 05:07	29/12/2024 20:21

EVENTOS GEOTÉCNICO 2024 - DESPACHO GEOTÉCNICO - SERVICIOS TÉCNICOS

Código	Día	Mes	Año	Tiempo que demoró en fallar (hh:mm:ss)	Valor inicial de desplazamiento en la falla (cm)	Valor Final de desplazamiento en la falla (cm)	Desplazamiento Acumulado (cm)	Velocidad de deformación (cm/h)	Velocidad de deformación (cm/día)	Medidas de mitigación o controles aplicados	ESTE	NORTE	COTA	Panel Fotográfico
RT-2024-0001	22	4	2024	06:25:00	16.34	72.53	56.2	8.4	201.52	Durante el evento se contaba con banquetas de retención y no se contaba con trabajos en la proyección	763612.02	9252374.90	3697.78	
RT-2024-0002	29	11	2024	00:15:00	0.56	1.54	0.98	3.59	86.26	Se alertó por parte de supervisión radar y se evacuó al personal.	763778.67	9252346.40	3783.13	

RT-2024-0003	25	10	2024	05:37:00	1.34	8.67	7.33	1.32	31.75	Se cuenta con banquetas de retención y el personal cercano fue alertado oportunamente.	763707.65	9252195.70	3775.95	
RT-2024-0004	29	11	2024	00:37:00	0.56	2.11	1.56	3.47	83.33	Se cuenta con muro de seguridad.	763397.13	9252202.80	3569.64	
RT-2024-0005	29	11	2024	04:01:00	0.92	6.75	5.83	1.59	38.21	Acceso restringido, cuenta con banquetas de retención.	763638.87	9252194.20	3737.50	

RT-2024-0006	30	11	2024	10:18:00	3.35	9.08	5.73	3.24	77.8	Se cuenta con banquetas de retención y el personal cercano fue alertado oportunamente.	763646.93	9252260.50	3723.85	
RT-2024-0007	2	12	2024	04:44:00	0.97	8.55	7.58	1.52	36.52	Acceso restringido, cuenta con muro de seguridad.	763595.59	9252186.80	3716.60	
RT-2024-0008	29	12	2024	15:14:00	2.29	48.2	45.91	3.06	73.48	Monitoreo con radar y muro de seguridad.	763604.34	9252210	3708.18	

Nota: Elaboración propia

Anexo 5: Registro de la data cruda de las zonas de estudio

ZONA 1: 29/12/2024				
Máximo	49.51			
Mínimo	6.61			
Promedio	18.40			
Datos	8298			
Intervalos	14.00	Des Std	8.92	
Rango	42.90			
Ancho de Rango	3.06			
Píxeles	9			

ZONA 2: 02/12/2024				
Máximo	55.97			
Mínimo	11.26			
Promedio	27.56			
Datos	13224			
Intervalos	15.00	Des Std	9.98	
Rango	44.71			
Ancho de Rango	2.98			
Píxeles	12			

ZONA 3: 30/11/2024				
Máximo	9.90			
Mínimo	0.90			
Promedio	2.62			
Datos	8048			
Intervalos	14.00	Des Std	1.22	
Rango	9.00			
Ancho de Rango	0.64			
Píxeles	8			

ZONA 4: 29/11/2024				
Máximo	8.56			
Mínimo	-0.02			
Promedio	1.62			
Datos	10800			
Intervalos	14.00	Des Std	1.15	
Rango	8.58			
Ancho de Rango	0.61			
Píxeles	10			

ZONA 5: 29/11/2024			
Máximo	2.76		
Mínimo	0.46		
Promedio	0.86		
Datos	8400		
Intervalos	14.00	Des Std	0.31
Rango	2.30		
Ancho de Rango	0.16		
Píxeles	7		

ZONA 6: 25/10/2024			
Máximo	2.76		
Mínimo	0.46		
Promedio	0.86		
Datos	8400		
Intervalos	14.00	Des Std	0.31
Rango	2.30		
Ancho de Rango	0.16		
Píxeles	7		

ZONA 7: 29/11/2024			
Máximo	9.35		
Mínimo	-1.55		
Promedio	2.10		
Datos	15218		
Intervalos	15.00	Des Std	2.33
Rango	10.90		
Ancho de Rango	0.73		
Píxeles	14		

ZONA 8: 22/04/2024			
Máximo	52.10		
Mínimo	3.04		
Promedio	13.42		
Datos	10161		
Intervalos	14.00	Des Std	8.68
Rango	49.07		
Ancho de Rango	3.50		
Píxeles	9		

ZONA 1: 29/12/2024

Time	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8	Point 9
X (m)	763606.54	763604.04	763605.29	763606.54	763604.04	763605.29	763606.54	763605.29	763606.54
Y (m)	9252210.93	9252212.18	9252212.18	9252212.18	9252213.43	9252213.43	9252213.43	9252214.68	9252214.68
Z (m)	3710.73	3710.16	3710.65	3710.75	3709.58	3710.45	3710.73	3709.90	3710.52
29/12/2024 05:07:27	77.13	92.17	82.53	81.22	90.62	82.80	84.18	78.17	66.11
29/12/2024 05:08:26	77.31	92.35	82.71	81.41	90.79	82.97	84.38	78.60	66.29
29/12/2024 05:09:26	77.64	92.80	83.02	81.74	91.22	83.29	84.71	78.84	66.46
29/12/2024 05:10:25	77.83	92.94	83.15	81.94	91.35	83.41	84.92	78.78	66.62
29/12/2024 05:11:24	77.35	92.53	82.44	81.47	90.93	82.74	84.44	78.38	66.11
29/12/2024 05:12:24	77.99	93.15	83.07	82.13	91.53	83.35	85.10	79.28	66.97
29/12/2024 05:13:23	78.11	93.17	83.05	82.21	91.55	83.33	85.19	79.07	67.28
29/12/2024 05:14:23	78.22	93.47	83.12	82.31	91.80	83.41	85.28	79.19	67.45
29/12/2024 05:15:22	78.19	93.66	83.05	82.26	91.96	83.35	85.22	78.82	67.29
29/12/2024 05:16:22	78.16	93.78	83.11	82.22	92.06	83.41	85.19	78.52	67.67
29/12/2024 05:17:21	78.05	93.83	82.88	82.08	92.05	83.16	85.03	78.05	67.64
29/12/2024 05:18:20	77.80	93.66	82.66	81.82	92.08	83.00	84.80	77.64	68.31
29/12/2024 05:19:20	77.87	94.14	82.88	81.87	92.28	82.94	84.85	76.05	68.42
29/12/2024 05:20:19	77.91	94.17	82.76	81.93	92.31	83.06	84.91	78.37	67.88
29/12/2024 05:21:19	77.59	94.01	82.44	81.53	92.10	82.73	84.51	77.49	68.67
29/12/2024 05:22:18	77.49	94.20	82.71	81.45	92.28	82.98	84.45	77.75	68.70
29/12/2024 05:23:18	77.95	94.34	83.13	81.99	92.46	83.39	84.98	78.74	68.83
29/12/2024 05:24:18	77.77	94.11	83.19	81.71	92.26	83.43	84.70	78.53	68.91
29/12/2024 05:25:18	78.02	93.62	83.08	82.08	91.89	83.33	85.10	78.46	69.50
29/12/2024 05:26:17	77.96	93.77	82.92	81.99	91.99	83.20	85.00	78.29	69.63
29/12/2024 05:27:16	77.91	94.07	82.89	81.90	92.25	83.19	84.92	78.20	70.11
29/12/2024 05:28:16	77.89	94.38	83.25	81.95	92.56	83.54	84.98	78.84	70.35
29/12/2024 05:29:15	78.21	94.29	83.28	82.29	92.48	83.56	85.32	78.71	71.35
29/12/2024 05:30:14	78.41	94.66	83.82	82.98	92.85	83.90	85.57	79.06	71.46
29/12/2024 05:31:14	78.67	94.60	83.68	82.88	92.81	83.97	85.93	79.36	72.15
29/12/2024 05:32:14	78.52	94.41	83.59	82.70	92.64	83.87	85.78	79.35	71.84
29/12/2024 05:33:14	78.65	94.58	83.75	82.92	92.81	84.02	85.97	79.57	72.06
29/12/2024 05:34:14	78.95	95.02	84.04	83.23	93.20	84.31	86.29	79.83	72.48
29/12/2024 05:35:13	78.65	95.12	84.03	83.18	93.29	84.31	86.24	79.90	72.39
29/12/2024 05:36:13	78.90	95.35	83.89	83.28	93.44	84.16	86.35	79.80	72.59
29/12/2024 05:37:13	78.91	95.26	83.82	83.26	93.33	84.08	86.34	79.52	72.56
29/12/2024 05:38:12	78.93	95.37	83.89	83.31	93.44	84.15	86.37	79.62	72.55
29/12/2024 05:39:12	78.88	95.10	83.84	83.24	93.20	84.10	86.31	79.55	72.46
29/12/2024 05:40:11	78.81	95.54	83.95	83.23	93.58	84.20	86.30	79.51	72.54
29/12/2024 05:41:11	79.14	95.20	83.92	83.55	93.26	84.15	86.64	79.29	72.79
29/12/2024 05:42:11	79.09	94.03	84.01	83.53	92.35	84.24	86.61	79.57	72.77
29/12/2024 05:43:10	79.24	93.67	84.09	83.65	92.09	84.32	86.74	79.53	72.80
29/12/2024 05:44:09	79.34	93.10	84.34	83.77	91.66	84.56	86.86	79.69	72.91
29/12/2024 05:45:09	79.44	93.20	84.39	83.85	91.74	84.61	86.94	79.62	72.84

29/12/2024 05:46:09	79.41	92.95	84.42	83.84	91.54	84.63	86.92	79.72	72.94
29/12/2024 05:47:09	79.35	93.16	84.51	83.74	91.72	84.73	86.82	79.73	72.77
29/12/2024 05:48:08	79.36	93.23	84.43	83.74	91.77	84.64	86.81	79.87	72.61
29/12/2024 05:49:08	79.43	93.46	84.58	83.85	91.97	84.79	86.93	79.99	72.77
29/12/2024 05:50:08	79.60	93.48	84.83	84.04	92.02	85.02	87.11	80.42	73.03
29/12/2024 05:51:07	79.62	93.84	84.73	84.05	92.30	84.94	87.12	80.19	72.93
29/12/2024 05:52:06	79.45	94.06	84.73	83.87	92.49	84.94	88.93	80.33	72.84
29/12/2024 05:53:07	79.30	94.20	84.53	83.70	92.58	84.75	86.77	80.12	72.46
29/12/2024 05:54:06	79.58	94.61	84.92	83.99	92.99	85.14	87.05	80.43	72.70
29/12/2024 05:55:05	79.55	94.73	85.10	83.89	93.10	85.31	86.95	80.66	73.23
29/12/2024 05:56:05	79.37	94.98	85.22	83.66	93.31	85.43	86.71	80.71	73.00
29/12/2024 05:57:05	79.58	95.20	85.26	83.85	93.52	85.48	86.90	80.96	73.21
29/12/2024 05:58:04	79.51	95.27	85.04	83.75	93.55	85.27	86.81	80.81	73.34
29/12/2024 05:59:03	79.42	95.05	84.77	83.67	93.32	85.01	86.71	80.70	73.09
29/12/2024 06:00:04	79.34	95.08	84.73	83.59	93.33	84.96	86.64	80.73	72.92
29/12/2024 06:01:03	79.83	95.14	84.38	81.15	93.36	84.65	87.21	80.42	72.88
29/12/2024 06:02:02	81.14	95.66	84.94	85.51	93.83	85.16	88.66	80.62	73.92
29/12/2024 06:03:02	80.67	95.82	85.35	84.75	94.03	85.58	87.82	81.16	73.82
29/12/2024 06:04:01	80.34	96.47	85.27	84.42	94.56	85.50	87.50	81.19	73.65
29/12/2024 06:05:00	80.05	96.76	85.34	84.34	94.80	85.57	87.42	81.21	73.73
29/12/2024 06:06:00	80.50	97.51	85.13	84.86	95.42	85.41	87.95	81.36	73.66
29/12/2024 06:06:59	80.83	97.35	85.36	85.13	95.31	85.61	88.22	81.73	73.67
29/12/2024 06:07:58	80.83	97.07	85.23	84.93	95.07	85.50	88.04	81.45	73.50
29/12/2024 06:08:58	80.41	95.99	84.84	84.79	94.10	85.09	87.89	80.69	73.44
29/12/2024 06:09:58	80.88	96.43	85.13	85.07	94.50	85.37	88.20	80.95	73.68
29/12/2024 06:10:58	81.15	96.81	85.85	85.46	94.94	86.09	88.61	81.63	74.38
29/12/2024 06:11:58	80.98	96.68	85.70	85.40	94.81	85.94	88.52	81.35	74.06
29/12/2024 06:12:57	81.36	96.33	85.75	85.74	94.51	85.96	88.87	81.38	74.41
29/12/2024 06:13:57	81.38	96.18	85.84	85.78	94.40	86.05	88.92	81.42	74.55
29/12/2024 06:14:58	81.65	96.20	86.02	85.98	94.44	86.23	89.12	81.61	74.70
29/12/2024 06:15:57	81.89	97.28	86.43	86.24	95.40	86.64	89.38	82.16	74.93
29/12/2024 06:16:56	82.06	97.29	86.68	86.40	95.45	86.89	89.55	82.39	75.14
29/12/2024 06:17:56	81.91	97.48	86.74	86.25	95.62	86.96	89.41	82.54	75.04
29/12/2024 06:18:56	82.14	97.56	86.90	86.46	95.71	87.11	89.62	82.56	75.13
29/12/2024 06:19:56	82.47	98.05	87.31	86.70	96.19	87.52	89.87	83.01	75.49
29/12/2024 06:20:56	82.49	98.34	87.50	86.71	96.46	87.71	89.89	83.27	75.52
29/12/2024 06:21:56	82.53	98.57	87.71	86.86	96.68	87.92	90.08	83.26	75.74
29/12/2024 06:22:56	82.53	98.49	87.78	86.88	96.63	87.98	90.07	83.33	75.71
29/12/2024 06:23:56	82.66	98.61	87.97	87.01	96.75	88.17	90.22	83.49	75.87
29/12/2024 06:24:55	82.48	98.79	88.04	86.92	96.91	88.25	90.14	83.67	75.97
29/12/2024 06:25:54	82.59	98.59	87.96	86.97	96.72	88.15	90.20	83.61	76.06
29/12/2024 06:26:55	82.72	98.53	88.09	87.13	96.69	88.27	90.36	83.82	76.28
29/12/2024 06:27:54	82.61	98.57	88.13	87.00	96.73	88.32	90.25	83.88	76.30
29/12/2024 06:28:53	82.55	98.79	88.18	86.93	96.93	88.37	90.18	83.98	76.18

29/12/2024 06:29:53	82.79	98.84	88.19	87.18	96.96	88.38	90.42	84.18	76.28
29/12/2024 06:30:52	82.82	99.65	88.40	87.17	97.70	88.62	90.41	84.47	76.28
29/12/2024 06:31:51	82.98	99.35	88.33	87.39	97.44	88.55	90.08	84.59	76.41
29/12/2024 06:32:52	83.11	99.66	88.58	87.50	97.74	88.79	90.76	84.81	76.51
29/12/2024 06:33:52	83.24	99.85	88.55	87.56	97.89	88.77	90.82	84.61	76.61
29/12/2024 06:34:51	83.40	99.41	88.12	87.52	97.41	88.32	90.73	83.69	76.50
29/12/2024 06:35:51	83.28	99.59	88.18	87.51	97.57	88.38	90.74	83.73	76.35
29/12/2024 06:36:50	83.40	99.87	88.36	87.51	97.84	88.57	90.72	83.96	76.29
29/12/2024 06:37:49	83.32	100.00	88.61	87.60	98.00	88.82	90.82	84.16	76.28
29/12/2024 06:38:50	83.46	100.55	89.03	87.68	98.54	89.24	90.88	84.64	76.40
29/12/2024 06:39:49	83.72	101.13	89.10	88.09	98.99	89.30	91.32	84.65	76.83
29/12/2024 06:40:48	84.15	101.92	89.64	88.45	99.73	89.84	91.69	85.09	77.07
29/12/2024 06:41:48	83.81	102.38	89.78	88.03	100.11	89.98	91.25	85.24	76.95
29/12/2024 06:42:48	83.89	102.22	89.87	88.02	100.03	90.08	91.22	85.34	76.93
29/12/2024 06:43:48	84.04	102.39	90.36	88.06	100.23	90.55	91.24	85.80	76.98
29/12/2024 06:44:47	83.98	102.47	90.35	88.08	100.29	90.54	91.26	85.91	77.18
29/12/2024 06:45:46	84.30	102.63	90.68	88.58	100.49	90.87	91.79	86.24	77.56
29/12/2024 06:46:47	84.34	102.80	90.85	88.08	100.67	91.05	91.84	86.38	77.71
29/12/2024 06:47:46	84.43	103.14	91.01	88.80	100.97	91.21	92.03	86.49	77.78
29/12/2024 06:48:46	84.25	103.18	90.95	88.69	101.01	91.16	91.91	86.50	77.63
29/12/2024 06:49:47	84.62	103.50	91.16	89.09	101.30	91.36	92.28	86.70	77.91
29/12/2024 06:50:46	84.65	103.65	91.34	89.14	101.45	91.54	92.35	86.94	78.07
29/12/2024 06:51:46	84.74	103.60	91.49	89.26	101.45	91.70	92.46	87.04	78.11
29/12/2024 06:52:46	85.02	103.79	91.62	89.17	101.62	91.82	92.34	87.21	78.08
29/12/2024 06:53:46	85.06	103.60	91.80	89.05	101.48	91.98	92.21	87.40	78.06
29/12/2024 06:54:45	85.47	105.85	91.07	89.49	103.10	91.24	92.67	86.54	78.17
29/12/2024 06:55:45	85.59	105.81	91.56	89.77	103.13	91.70	92.96	86.89	78.47
29/12/2024 06:56:44	85.60	105.75	91.47	89.85	103.09	91.63	93.01	86.94	78.30
29/12/2024 06:57:44	86.30	105.94	91.53	90.61	103.21	91.67	93.75	86.95	79.16
29/12/2024 06:58:44	86.36	106.59	91.46	90.46	103.65	91.55	93.58	86.81	79.09
29/12/2024 06:59:44	86.72	106.23	91.36	91.02	103.32	91.43	94.14	86.70	79.05
29/12/2024 07:00:44	86.95	106.49	91.33	91.32	103.54	91.43	94.42	86.74	79.01
29/12/2024 07:01:43	87.35	106.50	91.47	91.69	103.50	91.52	94.75	86.56	78.50
29/12/2024 07:02:42	86.94	107.04	90.85	91.25	103.84	90.91	94.29	86.27	78.73
29/12/2024 07:03:42	87.07	107.31	91.36	91.42	104.14	91.41	94.48	86.65	78.34
29/12/2024 07:04:41	87.25	107.47	91.75	91.47	104.29	91.77	94.48	87.02	78.29
29/12/2024 07:05:40	86.84	107.55	91.07	91.11	104.34	91.16	94.15	86.52	78.05
29/12/2024 07:06:41	87.13	107.42	94.49	91.26	104.82	94.51	94.23	88.55	77.89
29/12/2024 07:07:40	86.81	107.32	93.89	90.82	104.57	93.89	93.77	88.26	77.85
29/12/2024 07:08:39	86.77	107.73	94.22	90.61	104.80	94.11	93.54	88.57	77.87
29/12/2024 07:09:39	85.61	107.83	94.75	89.84	104.85	94.55	92.84	88.76	77.96
29/12/2024 07:10:39	85.74	107.88	95.54	90.03	104.92	95.25	93.02	89.17	78.09
29/12/2024 07:11:38	86.00	108.05	95.95	90.58	105.02	95.59	93.59	89.42	78.23
29/12/2024 07:12:37	85.06	107.88	96.59	90.17	104.99	96.21	93.23	89.72	78.26

29/12/2024 07:13:37	85.08	108.15	97.54	90.15	105.22	97.05	93.20	90.53	78.19
29/12/2024 07:14:37	84.41	107.56	99.29	89.38	104.83	96.71	92.47	92.40	77.62
29/12/2024 07:15:37	85.16	107.43	98.24	90.11	104.70	97.69	93.15	91.13	78.36
29/12/2024 07:16:36	85.90	107.45	98.31	91.05	104.87	97.84	94.04	91.52	78.85
29/12/2024 07:17:36	86.07	107.79	98.34	91.03	105.11	97.87	94.04	91.60	78.31
29/12/2024 07:18:35	85.86	107.47	98.35	90.68	104.94	97.92	93.70	91.66	78.01
29/12/2024 07:19:35	85.59	107.82	97.76	90.37	104.98	97.25	93.40	90.60	77.92
29/12/2024 07:20:35	84.70	107.75	97.18	89.77	104.71	96.62	92.94	90.32	78.27
29/12/2024 07:21:34	84.47	108.10	96.48	89.37	104.58	95.75	92.44	92.69	78.00
29/12/2024 07:22:33	84.12	108.13	95.56	88.92	104.22	94.70	92.08	92.72	77.88
29/12/2024 07:23:33	85.71	108.15	96.37	90.35	104.48	95.55	93.42	93.63	78.19
29/12/2024 07:24:33	87.45	109.74	93.18	92.13	104.97	92.29	95.26	90.53	78.50
29/12/2024 07:25:33	87.38	109.82	93.04	91.37	105.07	92.20	94.31	90.60	78.40
29/12/2024 07:26:32	87.30	110.14	92.79	91.29	105.37	92.00	94.24	90.59	77.91
29/12/2024 07:27:32	89.54	110.52	92.75	94.32	105.68	91.97	97.54	90.60	78.16
29/12/2024 07:28:31	89.72	110.54	92.58	94.61	105.73	91.85	97.95	90.66	78.31
29/12/2024 07:29:30	89.11	110.61	92.44	93.62	105.77	91.72	98.79	90.55	77.82
29/12/2024 07:30:30	89.48	111.07	92.53	94.10	106.27	91.87	97.34	90.55	78.39
29/12/2024 07:31:29	89.08	110.88	92.28	93.55	106.12	91.66	96.75	90.51	77.80
29/12/2024 07:32:29	89.94	110.68	92.25	94.42	105.99	91.65	97.60	90.62	78.21
29/12/2024 07:33:29	89.52	110.75	92.13	93.97	106.11	91.60	97.18	90.27	78.46
29/12/2024 07:34:28	89.29	111.06	92.37	93.77	106.50	91.89	96.95	90.37	78.35
29/12/2024 07:35:29	89.71	110.78	92.65	94.23	106.42	92.23	97.45	90.54	78.42
29/12/2024 07:36:29	89.51	111.21	92.84	94.00	106.88	92.46	97.17	90.38	78.44
29/12/2024 07:37:28	89.59	111.61	93.12	94.05	107.31	92.78	97.21	90.41	78.35
29/12/2024 07:38:28	89.28	111.79	93.32	93.62	107.57	93.03	96.73	90.34	78.21
29/12/2024 07:39:28	89.55	112.01	93.63	94.16	107.81	93.35	97.37	90.31	78.79
29/12/2024 07:40:27	89.20	112.12	93.92	93.89	108.04	93.68	97.15	90.58	78.77
29/12/2024 07:41:27	89.21	112.55	94.07	93.73	108.46	93.86	96.90	90.67	78.64
29/12/2024 07:42:26	89.48	112.84	94.32	93.94	108.78	94.14	97.08	90.65	78.81
29/12/2024 07:43:26	89.28	113.13	94.37	93.75	109.04	94.20	96.88	90.60	78.76
29/12/2024 07:44:26	89.12	113.34	94.63	93.73	109.31	94.49	96.90	90.90	79.14
29/12/2024 07:45:25	88.59	113.36	94.83	93.26	109.36	94.69	96.59	90.95	79.17
29/12/2024 07:46:24	88.73	113.46	94.85	93.16	109.47	94.72	96.44	91.05	79.14
29/12/2024 07:47:24	88.66	113.74	95.00	92.80	109.73	94.88	96.17	91.24	79.18
29/12/2024 07:48:23	88.94	113.87	95.05	93.03	109.84	94.93	96.38	91.25	79.29
29/12/2024 07:49:23	88.83	113.92	95.16	93.00	109.91	95.04	96.30	91.39	79.25
29/12/2024 07:50:24	88.91	113.93	95.21	92.96	109.93	95.09	96.26	91.50	79.28
29/12/2024 07:51:24	89.08	113.96	95.19	93.14	109.94	95.06	96.38	91.42	79.22
29/12/2024 07:52:23	89.39	113.96	95.27	93.71	109.96	95.14	96.80	91.51	79.39
29/12/2024 07:53:22	89.63	114.41	95.48	94.00	110.36	95.36	97.08	91.75	79.67
29/12/2024 07:54:22	88.60	114.28	95.53	94.00	110.26	95.41	97.03	91.75	79.84
29/12/2024 07:55:22	89.71	114.12	95.48	94.06	110.12	95.35	97.05	91.68	79.92
29/12/2024 07:56:21	89.29	114.05	95.40	93.76	110.04	95.27	96.80	91.70	79.70

29/12/2024 07:57:21	89.80	114.43	95.64	94.04	110.41	96.52	97.06	91.91	79.76
29/12/2024 07:58:21	89.44	114.24	95.57	93.86	110.24	95.44	96.88	91.67	79.83
29/12/2024 07:59:20	89.54	114.61	95.82	93.97	110.61	95.71	96.98	92.39	79.66
29/12/2024 08:00:20	89.39	114.48	95.76	93.84	110.49	95.65	96.87	92.38	79.80
29/12/2024 08:01:19	89.63	114.55	95.72	93.98	110.54	95.61	96.97	92.24	79.84
29/12/2024 08:02:18	89.79	114.84	96.02	94.23	110.82	95.90	97.28	92.58	80.18
29/12/2024 08:03:18	89.83	114.80	96.00	94.22	110.78	95.89	97.28	92.58	80.21
29/12/2024 08:04:18	90.01	114.54	96.10	94.46	110.68	95.98	97.51	92.74	80.27
29/12/2024 08:05:18	90.16	114.38	96.01	94.53	110.42	95.87	97.58	92.79	80.25
29/12/2024 08:06:17	90.47	114.23	96.12	94.84	110.32	95.98	97.83	92.98	80.37
29/12/2024 08:07:17	90.80	114.63	96.19	95.16	110.65	96.05	98.11	92.97	80.46
29/12/2024 08:08:16	90.72	114.59	96.15	95.08	110.61	96.02	98.04	92.97	80.42
29/12/2024 08:09:16	90.86	114.80	96.18	95.20	110.78	96.04	98.17	92.99	80.54
29/12/2024 08:10:15	90.77	114.80	96.27	95.11	110.80	96.13	98.13	93.05	80.64
29/12/2024 08:11:16	91.36	114.78	96.42	95.72	110.80	96.26	98.67	93.44	80.93
29/12/2024 08:12:15	90.74	115.13	96.58	95.07	111.14	96.45	98.18	93.27	80.88
29/12/2024 08:13:14	90.97	115.17	96.53	95.33	111.13	96.37	98.39	93.41	81.00
29/12/2024 08:14:15	90.92	114.95	96.54	95.28	110.95	96.38	98.37	93.32	81.05
29/12/2024 08:15:15	91.24	115.26	96.76	95.55	111.24	96.60	98.61	93.62	81.28
29/12/2024 08:16:14	91.10	115.33	96.82	95.44	111.29	96.65	98.59	93.58	81.45
29/12/2024 08:17:14	91.24	115.30	96.63	95.56	111.22	96.45	98.65	93.45	81.44
29/12/2024 08:18:14	90.50	115.48	96.78	94.96	111.37	96.59	98.29	93.78	81.62
29/12/2024 08:19:13	90.48	115.83	96.88	94.85	111.67	96.69	98.25	93.94	81.82
29/12/2024 08:20:12	90.74	115.38	96.82	95.25	111.27	96.61	98.60	93.74	82.00
29/12/2024 08:21:13	90.57	116.34	96.86	95.21	112.08	96.68	98.55	93.70	82.02
29/12/2024 08:22:12	90.50	116.17	96.75	94.98	111.95	96.58	98.35	93.18	81.81
29/12/2024 08:23:12	90.75	116.35	96.80	95.20	112.13	96.66	98.49	93.27	81.81
29/12/2024 08:24:12	90.82	116.45	97.09	95.27	112.25	96.93	98.62	93.73	81.93
29/12/2024 08:25:11	90.78	116.47	96.89	95.26	112.22	96.72	98.54	93.81	82.07
29/12/2024 08:26:10	91.35	116.26	96.74	95.82	111.99	96.56	98.99	93.76	82.13
29/12/2024 08:27:11	91.01	116.52	96.79	95.60	112.17	96.59	98.87	93.98	82.17
29/12/2024 08:28:10	91.45	116.46	96.98	95.89	112.22	96.81	99.01	93.81	82.17
29/12/2024 08:29:09	91.51	116.54	96.97	96.15	112.20	96.75	99.38	93.93	82.73
29/12/2024 08:30:09	91.63	116.09	97.16	96.22	111.85	96.92	99.47	93.88	82.88
29/12/2024 08:31:09	91.68	116.42	97.02	96.40	112.06	96.76	99.70	93.02	83.05
29/12/2024 08:32:09	91.85	116.03	97.18	96.97	111.70	96.87	100.28	92.45	83.42
29/12/2024 08:33:08	92.11	116.14	97.28	96.98	111.81	96.97	100.30	92.76	83.54
29/12/2024 08:34:07	92.14	116.53	97.60	96.99	112.12	97.25	100.34	92.58	83.71
29/12/2024 08:35:06	92.32	116.47	95.90	97.40	112.13	95.81	100.74	92.13	83.88
29/12/2024 08:36:06	92.16	116.01	95.80	97.33	111.75	95.71	100.68	91.93	83.88
29/12/2024 08:37:05	92.26	116.40	96.01	97.38	112.08	95.91	100.70	92.11	83.68
29/12/2024 08:38:05	92.35	116.42	96.32	97.44	112.12	96.19	100.76	92.36	83.72
29/12/2024 08:39:05	92.35	116.50	96.53	97.33	112.25	96.41	100.61	92.92	83.49
29/12/2024 08:40:04	92.60	116.59	96.77	97.70	112.34	96.64	100.99	93.12	83.77

29/12/2024 08:41:03	92.51	116.44	96.68	97.58	112.19	96.54	100.87	93.01	83.93
29/12/2024 08:42:03	92.83	116.99	96.77	98.00	112.71	96.67	101.32	93.25	84.50
29/12/2024 08:43:03	92.96	117.07	96.56	98.00	112.76	96.48	101.32	93.16	84.58
29/12/2024 08:44:02	93.37	117.26	96.77	98.51	112.96	96.70	101.83	93.40	85.09
29/12/2024 08:45:02	93.21	117.30	96.74	98.35	113.00	96.67	101.67	93.49	84.77
29/12/2024 08:46:02	93.49	117.45	97.13	98.65	113.19	97.06	101.97	93.84	85.04
29/12/2024 08:47:01	93.77	117.53	97.08	99.14	113.24	97.01	102.50	93.71	85.37
29/12/2024 08:48:00	93.66	117.23	97.41	98.93	113.04	97.31	102.25	94.08	84.49
29/12/2024 08:49:01	93.52	117.83	97.43	98.62	113.51	97.33	101.93	94.33	84.83
29/12/2024 08:50:00	93.55	117.75	98.00	97.89	113.42	97.81	100.91	95.06	84.51
29/12/2024 08:50:59	93.68	117.44	97.67	98.01	113.11	97.48	101.04	94.44	84.78
29/12/2024 08:51:59	93.90	117.56	97.50	98.22	113.12	97.28	101.21	94.61	84.73
29/12/2024 08:52:59	93.96	117.55	97.27	98.28	113.18	97.12	101.27	94.14	86.06
29/12/2024 08:53:58	93.60	117.88	97.56	97.48	113.49	97.41	100.31	94.23	86.17
29/12/2024 08:54:57	94.01	117.62	96.93	97.97	113.17	96.79	100.78	93.70	85.11
29/12/2024 08:55:58	93.98	117.39	97.17	97.95	113.05	97.03	100.75	93.68	85.16
29/12/2024 08:56:57	94.89	117.78	97.44	99.01	113.43	97.32	101.85	94.38	85.64
29/12/2024 08:57:56	95.17	117.49	97.43	99.24	113.15	97.27	101.96	94.41	85.50
29/12/2024 08:58:56	95.66	118.00	97.65	99.80	113.61	97.49	102.55	94.70	85.82
29/12/2024 08:59:56	95.37	117.90	97.42	99.44	113.49	97.27	102.17	94.60	86.13
29/12/2024 09:00:55	94.60	117.93	97.56	98.45	113.59	97.44	101.19	94.37	86.19
29/12/2024 09:01:55	94.84	117.77	97.64	98.67	113.47	97.52	101.39	94.31	86.54
29/12/2024 09:02:54	94.49	117.57	97.45	98.29	113.26	97.31	101.02	93.98	86.56
29/12/2024 09:03:53	94.12	116.93	97.06	97.74	112.70	96.95	100.40	93.48	86.28
29/12/2024 09:04:54	94.44	117.19	97.35	98.19	112.96	97.23	100.90	93.71	86.44
29/12/2024 09:05:53	94.44	117.43	97.58	98.25	113.18	97.46	100.99	93.87	86.51
29/12/2024 09:06:52	94.68	117.69	97.73	98.57	113.39	97.59	101.34	93.96	86.76
29/12/2024 09:07:51	94.62	117.02	97.61	98.46	112.85	97.47	101.22	93.81	86.80
29/12/2024 09:08:51	95.36	116.84	97.75	99.25	112.71	97.60	101.95	93.96	87.15
29/12/2024 09:09:50	94.95	117.53	98.19	98.63	113.38	98.05	101.61	94.51	87.41
29/12/2024 09:10:50	94.80	117.65	98.43	98.73	113.52	98.30	101.52	94.73	87.64
29/12/2024 09:11:49	95.10	117.63	98.60	99.10	113.52	98.45	101.89	94.96	87.78
29/12/2024 09:12:50	95.64	117.71	98.95	99.71	113.61	98.77	102.49	94.99	87.81
29/12/2024 09:13:49	95.71	117.55	98.89	99.82	113.45	98.70	102.61	94.98	87.67
29/12/2024 09:14:48	95.46	117.56	98.95	99.60	113.47	98.76	102.43	95.24	88.71
29/12/2024 09:15:48	95.71	117.79	99.28	99.90	113.71	99.08	102.75	95.62	88.97
29/12/2024 09:16:47	96.01	118.09	99.29	100.20	113.97	99.11	103.03	95.74	88.85
29/12/2024 09:17:46	95.96	118.20	99.64	100.19	114.14	99.46	103.05	96.21	89.28
29/12/2024 09:18:46	95.72	118.31	99.80	99.99	114.25	99.62	102.89	96.32	89.38
29/12/2024 09:19:45	96.34	118.22	99.97	100.63	114.18	99.76	103.49	96.57	90.29
29/12/2024 09:20:44	96.45	118.39	100.23	100.82	114.33	100.00	103.70	96.64	90.46
29/12/2024 09:21:44	96.71	118.72	100.53	101.10	114.63	100.29	103.99	97.18	91.02
29/12/2024 09:22:43	96.76	118.89	100.58	101.19	114.48	100.25	104.10	96.30	91.41
29/12/2024 09:23:42	97.20	118.62	100.77	101.75	114.28	100.32	104.67	95.40	93.76

29/12/2024 09:24:42	97.28	118.42	101.00	101.84	114.10	100.51	104.76	96.00	93.90
29/12/2024 09:25:42	97.30	118.17	100.53	101.85	113.92	100.11	104.76	95.87	93.59
29/12/2024 09:26:42	97.55	118.46	98.49	102.12	114.21	98.38	105.02	95.03	93.78
29/12/2024 09:27:41	97.73	118.29	99.26	102.30	114.14	99.09	105.19	95.76	93.67
29/12/2024 09:28:41	97.69	118.08	98.94	102.29	113.94	98.79	105.18	95.52	93.76
29/12/2024 09:29:40	97.95	118.22	99.14	102.56	114.09	98.99	105.44	95.84	93.97
29/12/2024 09:30:40	98.32	118.45	98.21	103.03	114.25	98.16	105.92	95.15	94.51
29/12/2024 09:31:40	98.38	118.42	98.57	103.13	114.26	98.50	106.02	95.47	94.58
29/12/2024 09:32:39	98.73	119.04	99.71	103.31	114.92	99.59	106.16	96.46	94.47
29/12/2024 09:33:39	99.09	119.38	100.09	103.73	115.26	99.97	106.58	96.87	94.77
29/12/2024 09:34:38	99.05	119.18	100.24	103.77	115.11	100.10	106.61	96.96	94.79
29/12/2024 09:35:38	99.46	119.61	100.66	104.40	115.55	100.53	107.24	97.46	95.17
29/12/2024 09:36:38	99.73	119.92	100.82	104.69	115.85	100.71	107.56	97.65	95.31
29/12/2024 09:37:37	99.73	119.81	100.80	104.79	115.77	100.69	107.66	97.75	95.18
29/12/2024 09:38:37	100.02	119.67	99.26	105.19	115.50	99.25	108.09	96.58	95.50
29/12/2024 09:39:36	100.05	119.69	98.89	105.27	115.44	98.89	108.18	96.06	95.44
29/12/2024 09:40:35	100.77	120.03	99.57	106.15	115.81	99.54	109.06	96.52	96.07
29/12/2024 09:41:35	100.87	119.90	99.38	106.23	115.63	99.33	109.16	96.07	96.09
29/12/2024 09:42:34	101.13	119.86	99.69	106.70	115.66	99.63	109.71	96.38	96.57
29/12/2024 09:43:33	101.47	120.30	100.28	107.22	116.13	100.22	110.27	97.13	97.08
29/12/2024 09:44:34	101.79	120.46	100.65	107.68	116.33	100.59	110.74	97.55	97.42
29/12/2024 09:45:33	102.42	120.78	101.10	108.39	116.68	101.05	111.39	98.47	97.84
29/12/2024 09:46:32	102.55	120.80	101.35	108.60	116.75	101.30	111.65	98.84	98.11
29/12/2024 09:47:33	103.53	121.26	101.87	109.72	117.22	101.81	112.06	99.69	98.83
29/12/2024 09:48:32	103.75	121.46	101.96	109.94	117.41	101.91	112.86	99.93	99.06
29/12/2024 09:49:31	104.17	121.35	101.94	110.42	117.31	101.89	113.27	100.23	99.26
29/12/2024 09:50:31	104.84	121.49	102.16	111.12	117.44	102.10	113.90	100.28	99.74
29/12/2024 09:51:31	105.02	121.57	102.36	111.38	117.50	102.26	114.18	100.68	100.13
29/12/2024 09:52:30	105.14	121.64	102.54	111.55	117.58	102.44	114.38	100.60	100.46
29/12/2024 09:53:30	105.42	121.63	102.81	111.90	117.59	102.68	114.73	100.14	100.93
29/12/2024 09:54:29	105.79	121.64	103.02	112.28	117.61	102.88	115.11	100.40	101.18
29/12/2024 09:55:29	105.78	121.67	103.25	112.34	117.66	103.09	115.20	100.17	101.50
29/12/2024 09:56:29	106.28	122.03	103.77	112.89	117.97	103.56	115.77	103.33	102.16
29/12/2024 09:57:28	106.61	122.26	103.80	113.32	118.08	103.53	116.21	103.45	103.23
29/12/2024 09:58:27	106.92	122.22	104.86	113.67	117.98	104.41	116.56	103.93	103.54
29/12/2024 09:59:27	106.88	122.02	105.61	113.72	117.72	105.00	116.63	104.30	103.80
29/12/2024 10:00:26	107.32	122.19	106.11	114.37	117.81	105.41	117.31	104.93	104.50
29/12/2024 10:01:25	107.82	122.17	106.30	115.04	117.79	105.56	118.00	105.24	105.42
29/12/2024 10:02:24	108.45	122.63	106.50	115.77	118.21	105.78	118.76	105.39	106.35
29/12/2024 10:03:24	109.27	122.94	107.19	116.86	118.62	106.49	119.86	106.07	107.02
29/12/2024 10:04:23	109.71	122.59	108.80	117.45	118.23	106.07	120.42	106.11	107.54
29/12/2024 10:05:22	110.18	123.24	107.05	118.01	118.81	106.33	120.97	106.44	108.12
29/12/2024 10:06:22	110.70	123.07	107.22	118.58	118.76	106.53	121.52	107.03	108.52
29/12/2024 10:07:22	111.40	123.54	107.48	119.35	119.20	106.61	122.22	107.22	109.12

29/12/2024 10:08:21	111.43	123.42	107.38	119.44	119.11	106.72	122.31	107.05	109.10
29/12/2024 10:09:21	111.51	123.42	107.45	119.56	119.14	106.80	122.45	107.03	109.17
29/12/2024 10:10:20	111.99	123.39	107.62	120.14	119.12	106.94	123.04	107.04	109.66
29/12/2024 10:11:19	112.89	124.16	108.59	121.10	119.94	107.92	124.00	107.91	110.64
29/12/2024 10:12:18	112.86	124.14	108.40	121.12	119.90	107.74	124.02	107.58	110.63
29/12/2024 10:13:18	113.12	124.33	108.66	121.42	120.13	108.04	124.32	107.82	110.93
29/12/2024 10:14:17	113.07	124.08	108.67	121.44	119.92	108.02	124.37	107.65	111.04
29/12/2024 10:15:17	113.46	124.71	109.29	121.83	120.58	108.67	124.78	108.32	111.64
29/12/2024 10:16:17	114.34	125.72	110.19	122.83	121.61	109.58	125.78	109.24	112.68
29/12/2024 10:17:16	113.56	125.74	110.13	122.02	121.64	109.54	125.09	109.15	112.81
29/12/2024 10:18:16	113.47	125.04	109.80	122.03	121.02	109.22	125.10	108.64	112.62
29/12/2024 10:19:16	113.20	125.88	110.32	121.58	121.96	109.79	124.62	109.55	112.84
29/12/2024 10:20:15	114.18	125.86	110.91	122.81	121.97	110.38	125.89	110.09	113.18
29/12/2024 10:21:14	114.20	125.97	110.47	122.88	122.02	109.96	125.94	109.20	113.15
29/12/2024 10:22:15	114.49	126.43	110.38	123.14	122.47	109.94	126.20	109.06	113.68
29/12/2024 10:23:14	115.33	126.08	110.29	124.27	122.15	109.85	127.32	106.64	113.67
29/12/2024 10:24:13	115.17	126.42	110.06	123.88	122.48	109.67	127.01	106.42	113.65
29/12/2024 10:25:13	115.90	126.68	109.73	125.14	122.77	109.33	128.26	106.88	114.31
29/12/2024 10:26:13	116.97	127.76	109.73	126.40	123.35	109.26	129.53	107.76	115.20
29/12/2024 10:27:12	117.57	128.43	110.52	126.96	124.03	110.04	130.05	108.72	115.79
29/12/2024 10:28:12	117.41	127.92	110.66	126.96	123.69	110.21	130.08	109.15	116.28
29/12/2024 10:29:12	117.03	127.81	110.79	126.52	123.60	110.31	129.59	109.77	116.18
29/12/2024 10:30:12	117.34	128.28	111.54	126.76	124.12	111.07	129.78	110.73	116.57
29/12/2024 10:31:12	117.71	128.31	112.16	127.22	124.28	111.69	130.23	112.36	117.08
29/12/2024 10:32:11	118.08	128.87	113.24	127.72	124.94	112.77	130.71	113.59	117.70
29/12/2024 10:33:11	117.88	129.42	113.88	127.52	125.53	113.42	130.50	114.09	117.53
29/12/2024 10:34:10	118.17	129.18	114.70	127.87	125.44	114.19	130.86	114.68	117.81
29/12/2024 10:35:10	118.30	129.43	116.43	128.08	125.95	115.89	131.06	115.80	118.13
29/12/2024 10:36:10	118.68	129.58	117.64	128.56	126.23	117.06	131.56	116.48	118.73
29/12/2024 10:37:09	119.14	130.16	118.22	129.08	126.87	117.68	132.06	116.97	119.23
29/12/2024 10:38:08	119.29	130.34	117.27	129.27	126.84	116.74	132.23	116.56	119.62
29/12/2024 10:39:08	119.86	130.85	118.47	129.88	127.54	117.97	132.85	117.85	120.79
29/12/2024 10:40:07	120.54	130.48	118.35	130.67	127.22	117.85	133.55	118.10	121.60
29/12/2024 10:41:06	121.45	130.65	119.28	131.56	127.58	118.80	134.44	119.38	122.63
29/12/2024 10:42:06	122.64	131.85	119.25	132.95	128.56	118.79	135.59	119.65	123.24
29/12/2024 10:43:06	122.54	131.01	119.12	133.01	127.89	118.68	135.73	120.19	123.28
29/12/2024 10:44:06	124.00	131.91	120.07	134.83	128.74	119.59	137.65	121.20	124.46
29/12/2024 10:45:04	123.76	131.60	120.24	134.68	128.51	119.75	137.52	121.24	124.06
29/12/2024 10:46:05	124.42	131.97	121.05	135.55	128.94	120.54	138.45	122.32	124.70
29/12/2024 10:47:04	124.99	132.17	121.79	136.23	129.27	121.29	139.14	122.99	124.99
29/12/2024 10:48:03	124.77	131.98	121.91	136.01	129.13	121.40	138.92	123.15	124.83
29/12/2024 10:49:03	125.45	132.49	123.40	136.92	129.83	122.94	139.85	124.42	125.75
29/12/2024 10:50:03	125.70	132.31	123.86	137.21	129.89	123.51	140.17	124.81	126.12
29/12/2024 10:51:03	125.93	132.63	124.91	137.78	130.39	124.49	140.78	125.95	126.70

29/12/2024 10:52:03	126.20	132.65	125.57	138.06	130.59	125.18	141.09	126.92	127.01
29/12/2024 10:53:02	125.78	132.45	125.46	137.69	130.40	125.06	140.80	126.02	126.80
29/12/2024 10:54:03	125.54	132.74	125.94	137.56	130.71	125.53	140.82	127.03	127.13
29/12/2024 10:55:02	125.44	133.02	128.27	137.45	131.01	125.87	140.79	127.56	127.53
29/12/2024 10:56:02	125.67	133.15	126.82	137.62	131.24	126.42	140.98	128.18	127.66
29/12/2024 10:57:02	125.40	132.75	126.64	137.42	130.86	126.23	140.72	128.05	126.77
29/12/2024 10:58:02	125.88	133.16	127.35	137.84	131.33	126.94	141.10	128.48	126.89
29/12/2024 10:59:01	126.38	132.91	127.50	138.46	131.13	127.07	141.66	128.28	126.97
29/12/2024 11:00:01	126.12	133.63	127.98	138.12	131.84	127.57	141.34	129.10	126.64
29/12/2024 11:01:01	126.22	133.98	128.36	138.14	132.17	127.94	141.33	129.76	126.71
29/12/2024 11:02:00	125.92	133.57	127.50	137.80	131.64	127.06	141.02	128.73	126.48
29/12/2024 11:02:59	125.01	133.00	126.74	135.83	131.08	126.33	139.99	127.70	125.91
29/12/2024 11:03:59	126.07	134.82	127.54	137.90	132.75	127.17	141.03	129.12	127.22
29/12/2024 11:04:59	126.05	134.93	127.37	137.86	132.90	127.06	141.00	129.88	127.02
29/12/2024 11:05:58	126.35	135.26	127.38	138.21	133.16	127.07	141.31	128.89	127.61
29/12/2024 11:06:57	126.16	134.63	127.05	137.99	132.57	126.73	141.09	128.39	127.25
29/12/2024 11:07:58	126.88	134.99	127.50	138.55	132.91	127.15	141.64	128.90	128.02
29/12/2024 11:08:57	127.81	136.12	128.62	139.67	134.01	128.25	142.75	129.99	129.19
29/12/2024 11:09:57	127.18	135.38	127.97	139.07	133.25	127.57	142.13	129.36	126.81
29/12/2024 11:10:57	127.44	134.73	128.19	139.40	132.76	127.79	142.46	129.40	129.24
29/12/2024 11:11:57	127.86	135.22	128.63	139.79	133.25	128.23	142.82	129.97	129.65
29/12/2024 11:12:56	127.80	135.58	128.92	139.74	133.61	128.53	142.78	130.40	129.84
29/12/2024 11:13:56	128.22	136.07	129.46	140.15	134.10	129.07	143.14	131.07	130.24
29/12/2024 11:14:56	128.04	136.41	129.65	139.90	134.44	129.27	142.90	131.39	130.00
29/12/2024 11:15:55	128.37	136.70	130.08	140.27	134.77	129.70	143.24	131.92	130.19
29/12/2024 11:16:54	128.28	137.23	130.53	140.16	135.33	130.20	143.19	132.70	130.19
29/12/2024 11:17:54	128.30	137.32	130.89	140.20	135.49	130.56	143.23	133.17	130.31
29/12/2024 11:18:54	127.76	137.25	130.52	139.74	135.37	130.19	142.79	132.78	130.03
29/12/2024 11:19:53	126.88	136.50	130.80	138.60	134.74	130.42	141.88	133.19	129.33
29/12/2024 11:20:53	127.68	137.43	131.83	139.59	135.69	131.45	142.67	134.16	130.10
29/12/2024 11:21:53	127.74	137.60	132.85	139.60	135.90	132.38	142.64	135.03	130.40
29/12/2024 11:22:52	128.13	138.26	133.87	139.99	136.56	133.35	143.01	135.79	130.97
29/12/2024 11:23:52	128.36	138.55	134.86	140.24	136.95	134.32	143.26	136.61	131.37
29/12/2024 11:24:52	128.38	138.11	135.89	140.29	136.85	135.37	143.30	137.53	131.73
29/12/2024 11:25:51	128.42	138.19	136.43	140.35	137.07	135.94	143.35	138.02	131.91
29/12/2024 11:26:50	129.10	137.61	136.75	141.09	137.45	138.50	144.11	141.12	132.92
29/12/2024 11:27:50	129.34	138.12	139.13	141.41	138.09	138.98	144.40	142.86	133.26
29/12/2024 11:28:50	129.59	138.59	139.25	141.79	138.42	139.06	144.78	142.12	133.93
29/12/2024 11:29:49	129.42	138.05	138.84	141.60	137.85	138.61	144.57	141.97	133.73
29/12/2024 11:30:48	129.34	138.63	139.48	141.58	138.44	139.24	144.64	142.22	134.31
29/12/2024 11:31:49	129.86	138.85	140.00	142.18	138.74	139.78	145.18	142.73	134.86
29/12/2024 11:32:48	128.80	139.27	140.48	141.19	139.18	140.27	144.46	143.22	135.28
29/12/2024 11:33:47	128.65	139.70	140.25	140.80	139.73	140.20	143.95	143.50	135.56
29/12/2024 11:34:47	128.93	140.27	140.51	141.03	140.34	140.53	144.14	144.11	135.69

29/12/2024 11:35:47	128.89	140.37	140.13	140.59	140.43	140.19	143.65	144.00	136.82
29/12/2024 11:36:46	128.56	140.68	139.82	140.48	140.72	139.96	143.52	143.70	137.46
29/12/2024 11:37:46	128.87	141.04	140.59	140.83	141.21	140.76	143.86	144.35	138.09
29/12/2024 11:38:45	129.19	141.20	140.80	141.19	141.46	141.02	144.22	144.57	138.94
29/12/2024 11:39:45	129.56	140.73	141.16	141.64	141.24	141.43	144.70	144.88	138.54
29/12/2024 11:40:44	129.73	140.49	140.94	141.92	141.03	141.22	144.98	144.77	137.30
29/12/2024 11:41:44	129.53	140.49	140.89	141.78	141.07	141.21	144.87	144.78	136.70
29/12/2024 11:42:43	129.54	140.30	141.48	141.89	141.13	141.86	145.08	145.20	137.35
29/12/2024 11:43:43	129.36	140.15	141.92	141.81	141.15	142.33	145.13	145.61	137.84
29/12/2024 11:44:42	129.71	140.50	142.90	142.40	141.79	143.41	145.83	146.62	138.55
29/12/2024 11:45:41	130.20	142.45	141.80	143.10	142.89	142.16	146.57	146.09	139.10
29/12/2024 11:46:41	130.74	141.29	142.83	143.64	142.24	143.24	147.40	146.91	139.78
29/12/2024 11:47:41	131.19	140.72	143.46	144.54	141.91	143.86	148.15	147.21	140.28
29/12/2024 11:48:40	131.47	140.72	144.15	144.98	142.10	144.59	148.62	148.00	140.91
29/12/2024 11:49:40	131.69	141.40	145.13	145.17	142.85	145.57	148.79	148.81	141.01
29/12/2024 11:50:41	132.17	141.31	145.35	145.77	142.77	145.75	149.43	149.26	141.85
29/12/2024 11:51:40	132.93	141.93	143.37	146.71	143.30	144.06	150.41	148.23	142.44
29/12/2024 11:52:39	133.01	142.11	143.48	146.86	143.52	144.20	150.54	148.69	143.10
29/12/2024 11:53:38	133.87	142.35	144.17	147.63	143.67	144.78	151.29	149.14	143.43
29/12/2024 11:54:38	135.08	142.85	144.69	149.19	144.21	145.32	152.81	149.68	144.60
29/12/2024 11:55:37	135.41	142.76	144.68	149.85	144.18	145.33	153.42	149.60	145.02
29/12/2024 11:56:37	136.20	143.34	143.82	150.81	144.89	144.75	154.15	149.62	145.95
29/12/2024 11:57:36	136.47	143.61	144.35	151.10	145.21	145.27	154.66	150.02	146.46
29/12/2024 11:58:36	137.12	143.79	144.96	151.75	145.49	145.89	155.29	150.91	147.08
29/12/2024 11:59:35	137.58	143.95	145.57	152.31	145.88	146.47	155.84	151.02	148.82
29/12/2024 12:00:34	137.89	144.09	145.60	152.62	145.77	146.48	156.13	151.07	149.28
29/12/2024 12:01:35	138.22	144.66	146.67	152.95	146.36	147.49	156.46	151.65	150.15
29/12/2024 12:02:34	138.47	144.75	147.12	153.25	146.40	147.87	156.76	151.99	150.54
29/12/2024 12:03:34	138.83	145.03	147.90	153.80	146.56	148.50	157.35	153.08	151.19
29/12/2024 12:04:33	139.38	146.21	148.73	154.31	148.00	149.55	157.83	154.97	151.45
29/12/2024 12:05:33	140.05	146.64	149.45	155.10	148.33	150.17	158.64	155.55	152.54
29/12/2024 12:06:33	139.84	147.29	150.20	154.98	149.14	151.01	158.60	156.12	152.61
29/12/2024 12:07:32	140.78	146.51	149.74	156.14	147.67	150.07	159.88	158.77	153.45
29/12/2024 12:08:31	141.86	146.52	151.05	157.51	147.88	151.33	161.28	159.75	154.21
29/12/2024 12:09:32	142.10	146.65	152.19	157.78	148.12	152.41	161.55	161.21	154.49
29/12/2024 12:10:31	144.01	147.45	153.37	159.82	148.92	153.54	163.50	162.37	155.67
29/12/2024 12:11:31	144.07	147.20	154.47	160.05	148.86	154.57	163.72	163.26	156.44
29/12/2024 12:12:31	145.12	148.38	156.43	161.14	150.10	156.48	164.83	165.05	157.69
29/12/2024 12:13:31	144.98	148.16	157.21	161.20	150.06	157.24	164.89	165.71	157.99
29/12/2024 12:14:31	145.10	148.20	158.40	161.51	150.36	158.45	165.20	166.67	158.55
29/12/2024 12:15:30	145.58	148.45	158.30	162.15	150.32	158.21	165.86	166.10	159.35
29/12/2024 12:16:29	146.10	148.72	158.70	162.80	150.43	158.50	166.33	166.08	159.70
29/12/2024 12:17:29	146.49	149.07	160.36	163.19	151.39	160.37	166.94	166.80	160.37
29/12/2024 12:18:29	147.19	149.18	161.91	164.14	151.95	162.03	167.96	168.48	161.47

29/12/2024 12:19:29	147.66	149.48	162.95	164.86	152.51	168.13	168.77	170.74	162.54
29/12/2024 12:20:28	147.89	149.76	163.54	165.32	152.85	163.73	169.34	170.70	163.14
29/12/2024 12:21:27	148.14	150.58	164.73	165.73	153.85	164.97	169.84	172.07	164.41
29/12/2024 12:22:28	148.41	151.14	164.92	166.02	154.40	165.21	170.14	172.53	164.77
29/12/2024 12:23:27	148.19	151.52	165.34	165.90	155.00	165.76	170.06	173.01	165.12
29/12/2024 12:24:27	148.36	151.66	165.63	166.20	155.17	166.05	170.39	173.26	165.65
29/12/2024 12:25:27	148.96	152.04	166.57	166.80	155.86	167.12	170.97	174.19	166.34
29/12/2024 12:26:27	149.34	152.24	166.12	167.17	156.15	165.30	171.34	172.55	166.94
29/12/2024 12:27:27	149.59	152.17	165.91	167.49	155.38	166.17	171.66	172.28	167.44
29/12/2024 12:28:27	149.98	152.18	166.26	167.94	155.39	166.47	172.10	172.88	168.13
29/12/2024 12:29:27	150.33	152.93	167.36	168.33	156.32	167.65	172.48	173.95	168.56
29/12/2024 12:30:26	150.25	153.39	167.57	168.32	156.79	167.89	172.49	174.18	168.75
29/12/2024 12:31:25	150.49	154.05	168.53	168.61	157.42	168.80	172.82	175.30	169.30
29/12/2024 12:32:25	150.72	154.10	168.63	168.89	157.52	168.92	173.11	175.61	169.64
29/12/2024 12:33:24	151.45	154.69	169.61	169.80	158.14	169.87	174.07	176.54	170.76
29/12/2024 12:34:23	151.07	154.21	169.80	169.41	157.69	169.82	173.69	176.30	170.52
29/12/2024 12:35:23	152.07	154.63	170.47	170.51	158.16	170.66	174.77	176.65	171.32
29/12/2024 12:36:23	151.81	155.03	170.00	170.26	158.39	170.19	174.52	176.77	171.36
29/12/2024 12:37:23	152.72	155.58	170.10	171.37	158.81	170.27	175.64	176.87	172.08
29/12/2024 12:38:24	155.18	156.26	170.78	174.55	159.43	170.92	178.74	177.52	173.03
29/12/2024 12:39:24	155.19	156.29	170.53	174.76	159.37	170.64	178.98	177.10	173.38
29/12/2024 12:40:23	155.69	156.05	170.41	175.35	159.14	170.51	179.59	177.14	173.60
29/12/2024 12:41:22	155.99	156.15	169.64	175.76	159.08	169.75	179.98	175.99	173.93
29/12/2024 12:42:23	156.41	156.82	170.64	176.16	159.74	170.70	180.34	176.75	174.65
29/12/2024 12:43:22	156.58	157.14	171.05	176.40	160.06	171.10	180.58	177.28	175.21
29/12/2024 12:44:21	157.05	157.36	171.39	176.91	160.26	171.42	181.09	177.53	175.94
29/12/2024 12:45:21	156.92	157.55	171.55	178.78	160.46	171.59	180.96	177.79	176.19
29/12/2024 12:46:21	156.51	157.70	171.91	176.31	160.65	171.94	180.52	178.31	175.88
29/12/2024 12:47:21	156.39	157.76	172.52	176.23	160.78	172.53	180.47	178.87	176.09
29/12/2024 12:48:20	156.59	158.12	172.76	176.46	161.12	172.77	180.73	179.26	176.60
29/12/2024 12:49:20	156.39	158.42	173.35	176.27	161.47	173.35	180.57	179.73	177.10
29/12/2024 12:50:20	155.86	157.96	172.79	175.78	160.92	172.75	180.16	179.85	177.38
29/12/2024 12:51:20	156.20	158.77	174.07	176.14	161.67	173.93	180.62	181.50	178.37
29/12/2024 12:52:20	156.22	158.35	172.99	178.10	161.21	172.91	180.55	180.12	178.46
29/12/2024 12:53:20	156.06	158.57	172.31	175.84	161.35	172.30	180.26	179.44	180.83
29/12/2024 12:54:21	156.21	159.04	172.97	176.02	161.85	172.95	180.43	179.79	181.80
29/12/2024 12:55:21	155.90	158.49	172.58	175.84	161.36	172.58	180.25	179.03	181.89
29/12/2024 12:56:20	156.69	156.67	172.80	176.73	159.95	172.70	181.19	181.88	183.40
29/12/2024 12:57:19	156.67	155.90	172.18	176.81	159.32	172.25	181.25	184.35	183.90
29/12/2024 12:58:19	156.57	157.85	173.24	176.57	161.07	173.29	180.96	185.73	184.04
29/12/2024 12:59:19	155.59	156.50	172.92	175.55	159.94	172.97	180.00	185.35	183.97
29/12/2024 13:00:18	155.93	156.99	173.52	175.80	160.39	173.54	180.26	185.54	182.48
29/12/2024 13:01:18	156.59	157.93	173.48	176.51	161.25	173.58	181.00	186.09	185.12
29/12/2024 13:02:19	156.24	158.09	172.11	176.18	161.13	172.22	180.66	184.43	185.57

29/12/2024 13:03:18	155.25	158.19	172.55	174.88	161.32	172.68	179.25	185.17	185.49
29/12/2024 13:04:18	155.69	158.50	173.53	175.37	161.73	173.64	179.85	186.26	186.50
29/12/2024 13:05:17	155.68	157.87	172.73	175.45	160.96	172.77	179.92	185.81	188.78
29/12/2024 13:06:17	155.74	158.00	173.37	175.61	161.17	173.39	180.09	186.09	187.33
29/12/2024 13:07:16	156.47	158.47	174.54	176.37	161.75	174.54	180.86	187.15	188.25
29/12/2024 13:08:16	156.43	158.86	175.26	176.37	162.21	175.27	180.86	187.57	188.40
29/12/2024 13:09:15	156.95	158.59	177.55	176.94	162.61	177.65	181.43	189.07	189.17
29/12/2024 13:10:15	157.11	158.51	179.06	177.13	162.78	179.11	181.64	189.79	189.77
29/12/2024 13:11:14	157.08	158.88	180.63	177.25	163.35	180.86	181.74	190.97	190.71
29/12/2024 13:12:15	157.09	159.00	180.41	177.18	163.39	180.42	181.72	190.30	190.65
29/12/2024 13:13:14	156.37	159.12	180.61	176.45	163.49	180.60	180.90	190.56	190.87
29/12/2024 13:14:13	156.24	159.92	182.09	175.89	164.30	182.00	180.19	191.92	192.22
29/12/2024 13:15:13	156.90	161.23	183.50	176.67	165.64	183.42	181.00	193.80	193.61
29/12/2024 13:16:13	156.30	159.47	182.91	176.19	163.94	182.71	180.64	192.64	193.52
29/12/2024 13:17:13	156.41	160.50	183.63	176.33	164.83	183.39	180.79	193.78	193.94
29/12/2024 13:18:12	156.90	161.20	184.41	176.87	165.45	184.11	181.38	194.71	194.73
29/12/2024 13:19:11	156.97	161.06	184.33	177.07	165.23	183.96	181.58	194.90	195.04
29/12/2024 13:20:11	157.53	162.00	185.25	177.68	166.13	184.86	182.18	196.14	195.94
29/12/2024 13:21:10	158.16	162.94	186.22	178.40	167.07	185.82	182.93	197.47	196.30
29/12/2024 13:22:10	157.45	162.15	185.88	177.38	166.40	185.51	181.85	197.85	195.52
29/12/2024 13:23:10	157.04	161.34	184.06	176.93	165.23	183.59	181.36	199.83	195.92
29/12/2024 13:24:09	157.30	162.15	183.63	177.35	165.73	183.12	181.85	199.19	196.45
29/12/2024 13:25:09	158.15	162.93	184.22	178.15	166.49	183.72	182.67	200.61	197.55
29/12/2024 13:26:08	157.44	161.67	183.00	177.50	165.22	182.49	182.02	199.96	196.68
29/12/2024 13:27:08	158.07	162.06	183.37	178.11	166.56	182.83	182.63	200.79	197.57
29/12/2024 13:28:07	158.33	161.87	183.57	178.43	165.44	183.02	182.94	201.38	198.00
29/12/2024 13:29:07	158.32	162.00	183.70	178.65	166.53	183.13	183.15	201.76	198.26
29/12/2024 13:30:07	158.38	162.30	184.15	178.80	165.81	183.54	183.35	202.52	198.71
29/12/2024 13:31:06	159.73	163.03	185.43	180.03	166.64	184.82	184.57	203.96	199.76
29/12/2024 13:32:05	160.93	164.79	188.41	181.90	168.61	187.78	186.46	207.18	201.63
29/12/2024 13:33:05	160.26	162.19	189.42	180.88	166.91	188.89	185.45	207.28	200.68
29/12/2024 13:34:05	160.92	162.99	190.27	181.21	168.32	190.12	185.76	204.16	201.19
29/12/2024 13:35:04	161.16	163.83	190.68	181.82	169.18	190.60	186.37	205.17	201.75
29/12/2024 13:36:03	160.68	164.22	191.86	181.89	169.91	191.90	186.53	206.67	202.11
29/12/2024 13:37:04	160.17	164.48	192.81	181.79	170.32	192.85	186.94	207.83	203.24
29/12/2024 13:38:03	162.11	164.68	193.72	184.19	170.71	193.79	189.36	209.33	204.44
29/12/2024 13:39:03	162.80	165.04	194.67	184.83	171.18	194.74	190.06	210.20	206.24
29/12/2024 13:40:02	163.04	165.58	194.85	185.14	171.62	194.89	190.39	210.91	206.30
29/12/2024 13:41:02	163.29	165.49	194.14	185.28	171.38	194.16	190.52	210.75	206.42
29/12/2024 13:42:01	163.05	166.13	193.77	185.30	171.78	193.78	190.52	210.84	206.66
29/12/2024 13:43:01	164.01	167.30	194.37	186.32	172.81	194.37	191.49	212.08	207.54
29/12/2024 13:44:00	164.08	167.47	194.82	186.17	172.93	194.75	191.34	212.83	207.44
29/12/2024 13:44:59	163.74	167.69	194.99	186.04	173.01	194.83	191.29	213.28	207.82
29/12/2024 13:45:58	164.77	168.16	195.49	186.60	173.36	195.25	191.86	214.09	208.36

29/12/2024 13:46:58	164.81	168.32	195.90	188.79	173.53	195.64	192.05	214.84	208.64
29/12/2024 13:47:57	165.22	168.54	196.53	187.07	173.78	196.23	192.36	215.86	209.03
29/12/2024 13:48:57	165.53	168.62	197.16	187.62	173.87	196.81	192.95	216.75	209.89
29/12/2024 13:49:57	166.29	168.88	197.20	188.27	173.98	196.76	193.56	216.81	210.87
29/12/2024 13:50:57	167.15	169.20	198.35	188.89	174.29	197.80	194.21	218.58	212.79
29/12/2024 13:51:56	168.37	169.80	198.80	190.57	174.68	198.14	196.46	218.85	214.37
29/12/2024 13:52:56	168.76	169.84	199.05	190.98	174.59	198.28	196.88	219.37	215.13
29/12/2024 13:53:56	168.63	170.39	199.70	191.18	175.02	198.84	197.07	220.12	215.53
29/12/2024 13:54:56	169.38	171.12	201.16	192.29	175.80	200.25	198.22	221.89	216.79
29/12/2024 13:55:56	168.57	170.23	200.72	191.48	174.59	199.53	197.37	219.49	216.57
29/12/2024 13:56:56	169.36	170.43	201.86	192.45	174.91	200.08	198.36	220.83	217.78
29/12/2024 13:57:55	169.68	170.38	202.18	192.93	174.93	200.95	198.84	221.24	218.54
29/12/2024 13:58:54	169.97	169.39	202.86	193.34	174.25	201.61	199.22	222.12	218.22
29/12/2024 13:59:53	170.73	169.73	202.91	194.19	175.16	202.06	200.04	223.16	219.22
29/12/2024 14:00:53	170.75	169.97	204.10	194.26	175.75	203.35	200.07	224.00	219.83
29/12/2024 14:01:52	171.04	170.44	204.78	194.59	176.30	204.05	200.35	225.85	220.54
29/12/2024 14:02:52	171.77	171.48	205.73	195.54	177.32	205.00	201.30	227.46	221.78
29/12/2024 14:03:52	171.63	172.34	205.94	195.38	178.07	205.22	201.08	227.58	221.84
29/12/2024 14:04:52	172.44	172.13	207.04	196.37	178.10	206.30	202.08	229.20	222.93
29/12/2024 14:05:51	173.54	168.57	208.05	197.80	175.44	207.29	203.28	230.11	223.61
29/12/2024 14:06:51	174.18	169.51	209.85	198.61	176.63	209.14	204.35	231.49	224.79
29/12/2024 14:07:51	173.66	169.74	211.34	198.79	177.11	210.63	204.86	232.37	225.65
29/12/2024 14:08:50	174.82	170.50	212.57	200.26	177.91	211.82	206.31	233.50	226.06
29/12/2024 14:09:49	175.13	170.66	213.16	200.58	178.18	212.42	206.58	234.67	226.21
29/12/2024 14:10:49	175.88	171.21	214.00	201.46	178.78	213.26	207.40	236.46	226.88
29/12/2024 14:11:49	176.27	171.06	213.78	201.87	178.63	213.05	207.63	236.82	227.17
29/12/2024 14:12:48	176.05	171.14	213.35	201.77	178.51	212.56	207.67	236.25	228.05
29/12/2024 14:13:49	176.35	171.18	213.79	202.20	178.50	212.91	208.19	237.72	229.37
29/12/2024 14:14:49	176.79	171.32	213.98	202.79	178.36	212.52	208.82	237.23	230.54
29/12/2024 14:15:49	176.68	171.83	213.89	202.80	178.69	212.79	209.00	237.66	231.22
29/12/2024 14:16:49	177.22	172.66	214.01	203.50	179.23	212.82	209.78	238.76	232.99
29/12/2024 14:17:49	177.26	171.55	212.68	203.60	177.93	211.39	209.75	237.61	233.50
29/12/2024 14:18:49	177.21	173.94	213.93	204.10	180.04	212.08	210.67	240.40	234.22
29/12/2024 14:19:49	177.81	175.27	213.98	204.35	181.15	212.70	210.72	241.49	235.15
29/12/2024 14:20:48	179.44	172.84	214.05	206.19	179.16	212.72	212.45	240.88	235.55
29/12/2024 14:21:47	180.38	173.19	218.39	207.66	179.47	214.77	214.15	243.38	236.94
29/12/2024 14:22:47	180.82	173.07	217.88	208.39	179.87	216.39	214.89	244.95	237.68
29/12/2024 14:23:47	181.53	169.19	218.46	209.17	176.76	216.88	215.68	245.23	238.34
29/12/2024 14:24:47	182.25	168.60	219.24	209.80	177.21	217.64	216.34	246.07	239.10
29/12/2024 14:25:46	182.04	170.13	219.47	209.77	177.72	217.90	216.25	246.23	238.94
29/12/2024 14:26:46	183.30	170.99	220.25	211.32	178.57	218.68	217.52	247.40	239.55
29/12/2024 14:27:46	184.77	170.91	219.01	212.52	178.08	217.32	218.46	246.66	239.60
29/12/2024 14:28:45	186.03	172.03	220.34	213.80	179.16	218.60	219.82	247.93	240.87
29/12/2024 14:29:45	185.60	171.38	220.41	213.58	178.70	218.70	219.61	248.24	240.72

29/12/2024 14:30:45	185.94	171.67	221.15	214.00	179.05	219.42	220.11	249.67	241.23
29/12/2024 14:31:45	186.69	172.47	222.70	214.85	180.09	221.02	220.98	250.76	242.09
29/12/2024 14:32:44	187.52	173.22	224.07	215.70	181.04	222.44	221.84	252.10	242.80
29/12/2024 14:33:44	187.35	173.45	224.75	215.76	181.37	223.13	221.93	253.40	243.00
29/12/2024 14:34:44	187.93	173.56	225.15	216.00	181.54	223.53	222.19	254.48	242.83
29/12/2024 14:35:43	187.67	173.89	225.02	215.90	181.72	223.36	222.07	254.29	242.79
29/12/2024 14:36:43	187.71	174.10	223.88	215.78	181.52	222.13	221.94	252.22	242.56
29/12/2024 14:37:42	187.71	175.29	224.70	216.40	182.51	222.88	222.57	254.43	243.40
29/12/2024 14:38:42	189.29	177.35	226.11	218.04	184.43	224.28	224.23	251.91	245.00
29/12/2024 14:39:41	189.03	177.70	226.10	217.78	184.81	224.33	223.94	251.79	244.87
29/12/2024 14:40:40	187.99	177.49	225.47	216.96	184.56	223.73	223.22	251.68	244.37
29/12/2024 14:41:40	187.86	179.12	226.52	216.66	186.36	224.97	223.07	253.09	245.24
29/12/2024 14:42:41	189.25	179.60	225.13	218.49	185.89	223.22	224.67	255.03	245.79
29/12/2024 14:43:41	190.39	180.68	226.28	219.61	187.09	224.44	225.62	257.48	246.09
29/12/2024 14:44:41	190.05	181.69	226.85	219.65	188.05	225.03	225.77	257.50	246.73
29/12/2024 14:45:41	190.21	183.04	227.71	219.76	189.49	226.00	225.90	260.28	247.09
29/12/2024 14:46:40	189.62	183.26	227.26	219.04	189.94	225.79	225.34	260.17	246.53
29/12/2024 14:47:41	189.92	184.28	228.16	219.30	191.04	226.76	225.46	261.24	246.98
29/12/2024 14:48:40	190.03	185.74	228.76	219.68	192.43	227.43	225.91	262.14	247.72
29/12/2024 14:49:40	189.75	186.17	229.13	219.64	192.89	227.83	225.85	262.33	247.62
29/12/2024 14:50:40	190.33	187.57	229.79	220.17	194.21	228.53	226.41	259.44	248.30
29/12/2024 14:51:39	191.29	188.76	228.45	221.01	194.55	226.97	227.30	259.41	249.11
29/12/2024 14:52:38	191.25	189.39	226.20	220.96	194.98	226.72	227.26	260.25	248.83
29/12/2024 14:53:39	191.15	189.77	228.33	221.01	195.30	226.84	227.36	261.70	249.23
29/12/2024 14:54:38	191.57	191.42	228.74	221.36	196.71	227.25	227.64	263.00	249.45
29/12/2024 14:55:38	190.21	192.54	228.87	219.78	197.64	227.39	226.15	263.57	247.20
29/12/2024 14:56:38	190.58	192.96	230.36	220.21	198.27	228.88	226.74	265.86	248.89
29/12/2024 14:57:37	189.81	193.19	230.20	219.57	198.43	228.73	226.06	265.82	248.39
29/12/2024 14:58:37	190.34	193.96	229.85	220.01	198.94	228.36	226.45	265.86	248.85
29/12/2024 14:59:36	191.11	194.43	229.54	220.76	199.04	227.91	227.18	266.01	249.44
29/12/2024 15:00:36	190.67	194.90	229.72	220.58	199.50	228.13	226.98	266.26	249.56
29/12/2024 15:01:35	191.30	195.70	230.62	221.09	200.32	229.02	227.56	266.55	250.08
29/12/2024 15:02:34	191.24	195.71	230.42	220.92	200.30	228.83	227.38	266.52	250.15
29/12/2024 15:03:34	191.95	196.30	231.58	221.82	200.97	229.97	228.28	268.19	251.06
29/12/2024 15:04:33	192.43	196.85	232.57	222.35	201.64	230.98	228.82	268.78	251.49
29/12/2024 15:05:32	192.67	197.45	233.51	222.66	202.35	231.94	229.16	269.16	252.08
29/12/2024 15:06:32	192.54	197.97	234.18	222.68	202.89	232.61	229.29	269.75	252.80
29/12/2024 15:07:32	193.12	198.12	235.54	223.36	203.40	234.04	229.99	270.92	253.57
29/12/2024 15:08:31	193.26	198.54	236.12	223.70	203.87	234.63	230.43	271.25	254.28
29/12/2024 15:09:31	193.54	199.22	236.41	224.10	204.44	234.90	230.88	271.51	254.82
29/12/2024 15:10:30	194.56	200.32	237.44	225.37	205.51	235.92	232.25	272.58	255.87
29/12/2024 15:11:29	194.68	203.14	237.83	225.59	207.83	236.31	232.43	272.97	256.02
29/12/2024 15:12:29	196.13	205.22	239.02	226.73	209.70	237.48	233.56	274.28	256.83
29/12/2024 15:13:28	198.16	205.86	239.31	226.51	210.25	237.76	233.39	274.94	256.69

29/12/2024 15:14:28	195.70	205.97	239.61	226.30	210.35	238.03	233.40	275.36	257.23
29/12/2024 15:15:28	196.56	206.71	240.41	227.21	211.11	238.63	234.33	276.18	257.95
29/12/2024 15:16:27	196.49	207.32	240.82	227.31	211.74	239.28	234.46	276.83	258.23
29/12/2024 15:17:27	196.81	207.83	240.60	227.65	212.14	239.08	234.78	277.09	258.40
29/12/2024 15:18:26	197.07	208.28	240.63	227.98	212.43	239.07	235.12	276.97	258.66
29/12/2024 15:19:26	196.85	208.45	240.47	227.78	212.52	238.90	234.92	275.71	258.51
29/12/2024 15:20:25	196.92	209.32	240.87	227.98	213.32	239.31	235.12	275.80	258.79
29/12/2024 15:21:25	197.50	208.05	240.81	228.51	212.29	239.25	235.61	275.98	259.02
29/12/2024 15:22:24	197.75	210.23	241.51	228.73	214.19	239.96	235.83	277.35	259.48
29/12/2024 15:23:23	197.71	209.92	241.46	228.90	213.92	239.91	235.99	277.77	259.71
29/12/2024 15:24:24	198.19	212.20	241.48	229.44	215.61	239.85	236.54	276.35	260.33
29/12/2024 15:25:23	198.34	211.42	241.83	229.84	214.99	240.15	236.95	275.92	261.00
29/12/2024 15:26:22	198.92	211.91	242.18	230.48	215.38	240.45	237.58	277.31	261.68
29/12/2024 15:27:21	198.83	212.16	241.81	230.57	215.39	240.01	237.70	275.53	262.36
29/12/2024 15:28:22	197.80	212.90	241.46	229.93	216.11	239.79	237.20	275.65	262.83
29/12/2024 15:29:22	196.43	212.06	240.47	228.10	215.25	238.81	235.21	275.75	263.43
29/12/2024 15:30:21	197.05	212.21	240.76	228.69	215.41	239.09	235.76	276.71	264.63
29/12/2024 15:31:21	197.05	212.51	241.07	228.79	215.70	239.39	235.86	277.27	265.51
29/12/2024 15:32:20	197.74	213.16	241.85	229.50	216.36	240.16	236.58	278.63	266.73
29/12/2024 15:33:20	198.31	213.36	242.19	230.19	216.57	240.48	237.27	279.46	267.48
29/12/2024 15:34:19	199.07	214.03	242.79	231.14	217.22	241.08	238.21	280.39	268.97
29/12/2024 15:35:18	199.28	214.68	243.29	231.38	217.87	241.60	238.48	281.62	270.07
29/12/2024 15:36:17	200.56	215.17	243.46	233.12	218.39	241.83	240.19	282.51	270.65
29/12/2024 15:37:17	203.33	215.36	243.25	236.51	218.59	241.68	243.46	282.75	271.96
29/12/2024 15:38:17	203.09	215.21	242.49	238.36	218.39	240.97	243.41	281.90	272.35
29/12/2024 15:39:16	204.23	216.27	244.08	237.81	219.52	242.53	244.89	283.47	273.83
29/12/2024 15:40:16	204.60	215.32	244.54	238.28	218.84	242.98	245.39	284.20	274.43
29/12/2024 15:41:15	205.20	213.38	245.17	238.98	217.41	243.61	246.09	285.13	275.47
29/12/2024 15:42:14	205.62	213.87	245.78	239.56	217.92	244.21	246.68	286.28	276.85
29/12/2024 15:43:15	205.80	213.32	245.97	239.77	217.45	244.36	246.92	284.92	279.28
29/12/2024 15:44:14	206.49	213.72	245.54	240.90	217.25	243.65	248.20	284.38	280.41
29/12/2024 15:45:13	207.60	214.17	247.22	242.62	217.75	245.20	250.18	285.92	281.52
29/12/2024 15:46:12	207.17	214.08	247.65	242.04	217.63	245.55	249.79	286.13	281.77
29/12/2024 15:47:13	207.12	214.07	248.82	242.73	217.74	246.64	250.54	287.53	282.45
29/12/2024 15:48:12	207.50	214.69	249.01	243.21	218.29	246.84	251.02	288.20	283.21
29/12/2024 15:49:12	207.51	215.52	249.72	243.42	219.10	247.55	251.29	289.34	284.06
29/12/2024 15:50:12	208.26	215.83	250.57	244.24	219.19	248.38	252.17	290.37	285.24
29/12/2024 15:51:11	207.95	216.69	250.82	243.87	220.26	248.65	251.87	291.06	285.75
29/12/2024 15:52:11	207.83	214.23	251.02	243.75	218.32	248.84	251.83	291.49	286.09
29/12/2024 15:53:11	208.00	212.45	251.62	243.98	217.13	249.51	252.09	292.33	286.57
29/12/2024 15:54:11	208.52	213.40	252.55	244.60	218.04	250.41	252.76	293.42	287.27
29/12/2024 15:55:11	208.34	214.07	253.13	244.48	218.67	250.97	252.60	294.16	287.85
29/12/2024 15:56:10	209.87	214.80	253.18	246.72	219.03	250.88	255.21	294.50	289.12
29/12/2024 15:57:10	211.09	214.64	254.16	248.69	219.31	252.00	257.43	296.09	289.60

29/12/2024 15:58:11	210.65	214.72	253.75	248.17	219.35	251.62	256.94	295.09	290.20
29/12/2024 15:59:10	210.94	214.74	253.82	248.63	219.39	251.70	257.50	296.75	290.37
29/12/2024 16:00:10	211.05	215.98	252.17	248.80	219.77	249.88	257.72	295.97	290.44
29/12/2024 16:01:09	211.26	216.13	252.91	249.12	220.03	250.61	258.04	297.01	290.52
29/12/2024 16:02:08	211.07	217.34	253.96	248.83	221.24	251.68	257.77	299.00	291.03
29/12/2024 16:03:08	211.56	214.57	254.47	249.46	219.13	252.18	258.42	299.80	291.84
29/12/2024 16:04:09	212.58	214.97	256.04	250.62	219.79	253.77	259.63	301.78	292.33
29/12/2024 16:05:09	213.26	214.74	256.46	251.99	219.67	254.17	261.17	302.18	291.64
29/12/2024 16:06:08	213.62	212.65	257.22	253.13	218.10	254.90	262.52	302.75	292.76
29/12/2024 16:07:08	213.97	212.80	258.13	253.55	218.41	255.81	263.02	303.74	293.40
29/12/2024 16:08:08	214.07	213.50	258.62	253.79	219.05	256.29	263.31	304.32	294.22
29/12/2024 16:09:07	214.00	212.46	259.26	253.73	218.31	256.90	263.30	305.09	294.64
29/12/2024 16:10:07	213.87	212.78	260.30	253.54	218.70	257.89	263.11	306.08	295.49
29/12/2024 16:11:06	214.10	213.16	260.35	253.53	218.96	257.91	263.01	306.87	296.18
29/12/2024 16:12:06	213.50	212.98	259.32	252.64	218.55	256.84	262.01	307.97	295.28
29/12/2024 16:13:06	213.09	213.51	259.41	251.99	219.02	256.95	261.29	310.32	294.41
29/12/2024 16:14:05	213.26	213.64	259.68	252.18	219.18	257.22	261.48	310.62	294.91
29/12/2024 16:15:05	213.52	213.90	260.31	252.45	219.51	257.84	261.77	311.11	295.03
29/12/2024 16:16:04	213.71	214.20	260.79	252.66	219.86	258.34	262.00	311.64	295.37
29/12/2024 16:17:03	213.90	215.18	260.83	252.99	220.59	258.34	262.32	311.28	296.04
29/12/2024 16:18:04	214.22	215.47	261.00	253.33	220.85	258.51	262.68	311.29	296.45
29/12/2024 16:19:03	214.51	216.02	261.25	253.75	221.33	258.75	263.11	311.23	297.34
29/12/2024 16:20:03	214.30	217.24	261.34	253.46	222.32	258.84	262.83	311.00	297.38
29/12/2024 16:21:03	214.21	217.29	261.77	253.36	222.46	259.28	262.76	311.18	297.59
29/12/2024 16:22:02	214.32	215.03	261.76	253.46	220.67	259.27	262.84	310.85	297.45
29/12/2024 16:23:02	214.64	213.32	262.30	253.83	219.41	259.81	263.22	310.94	298.24
29/12/2024 16:24:01	214.50	213.83	262.30	253.62	219.80	259.80	262.99	310.44	298.64
29/12/2024 16:25:01	213.96	214.23	262.66	253.04	220.22	260.17	262.43	310.64	299.16
29/12/2024 16:26:01	213.08	214.29	263.02	251.85	220.35	260.54	261.17	310.61	299.53
29/12/2024 16:27:00	213.52	214.67	263.04	252.40	220.74	260.62	261.73	310.74	300.16
29/12/2024 16:27:59	214.09	214.92	263.36	253.25	220.99	260.93	262.88	310.08	299.78
29/12/2024 16:28:59	213.58	215.02	263.85	252.51	221.17	261.42	261.88	310.29	300.12
29/12/2024 16:29:59	213.49	215.76	264.96	252.27	221.99	262.53	261.58	311.52	300.36
29/12/2024 16:30:58	213.26	216.18	266.09	251.91	222.54	266.65	261.15	312.54	300.85
29/12/2024 16:31:58	213.50	216.46	266.99	252.22	222.90	264.52	261.48	313.16	301.46
29/12/2024 16:32:59	213.95	216.83	267.93	252.76	223.37	265.46	262.04	313.77	302.40
29/12/2024 16:33:59	214.09	217.17	268.27	252.99	223.69	265.78	262.29	313.92	302.79
29/12/2024 16:34:59	214.47	217.52	268.81	253.49	224.07	266.32	262.80	314.36	303.48
29/12/2024 16:35:59	214.91	217.94	269.56	253.93	224.58	267.08	263.28	314.90	304.17
29/12/2024 16:36:59	215.22	217.83	270.06	254.32	224.60	267.58	263.67	315.45	304.67
29/12/2024 16:37:59	215.61	216.31	270.62	254.77	223.52	268.15	264.14	316.09	305.15
29/12/2024 16:38:59	216.19	216.02	271.01	255.49	223.37	268.54	264.88	316.61	306.05
29/12/2024 16:39:58	216.80	215.96	271.33	256.39	223.35	268.84	265.82	316.29	307.07
29/12/2024 16:40:58	217.21	216.38	269.99	257.34	223.53	267.57	267.01	314.49	308.33

29/12/2024 16:41:58	218.13	216.44	268.67	258.61	223.43	266.33	268.35	313.17	309.50
29/12/2024 16:42:58	219.11	216.51	268.50	259.83	223.36	266.10	269.34	313.44	310.18
29/12/2024 16:43:58	220.42	216.31	269.13	261.24	223.31	268.72	270.59	314.17	311.12
29/12/2024 16:44:58	221.20	216.70	269.57	262.24	223.66	267.13	271.62	314.59	311.93
29/12/2024 16:45:58	221.48	216.62	269.93	262.66	223.61	267.45	272.14	315.12	312.44
29/12/2024 16:46:57	222.20	217.35	270.83	263.61	224.33	268.33	273.13	316.09	313.24
29/12/2024 16:47:57	222.90	217.39	271.92	264.45	224.62	269.44	274.01	317.05	314.13
29/12/2024 16:48:57	223.26	217.23	272.43	264.93	224.59	269.94	274.51	317.70	314.56
29/12/2024 16:49:56	223.91	217.80	273.05	265.63	225.12	270.53	275.22	318.35	315.16
29/12/2024 16:50:55	223.72	217.64	274.04	265.61	225.22	271.53	275.29	319.45	315.66
29/12/2024 16:51:55	223.59	216.98	274.85	265.50	224.90	272.37	275.22	320.46	315.89
29/12/2024 16:52:56	224.23	217.24	275.75	266.37	225.29	273.27	276.10	321.47	316.48
29/12/2024 16:53:55	224.41	216.75	275.93	266.57	225.01	273.50	276.30	321.92	316.71
29/12/2024 16:54:55	225.04	217.29	276.76	267.41	225.65	274.35	277.17	323.17	317.47
29/12/2024 16:55:54	224.80	217.04	277.51	267.53	225.58	275.09	277.55	324.31	318.13
29/12/2024 16:56:54	224.64	217.39	278.11	267.62	225.97	275.68	277.74	325.21	318.45
29/12/2024 16:57:56	224.56	217.54	279.07	267.75	226.24	276.61	278.03	326.43	319.08
29/12/2024 16:58:54	225.32	217.91	280.01	268.70	226.66	277.51	279.06	327.40	320.08
29/12/2024 16:59:54	224.63	217.80	280.51	268.22	226.66	278.00	278.68	328.07	320.30
29/12/2024 17:00:53	225.27	217.40	281.16	268.86	226.44	278.63	279.34	328.43	320.73
29/12/2024 17:01:53	225.36	217.27	282.02	269.06	226.51	279.48	279.61	329.47	321.35
29/12/2024 17:02:52	225.54	217.37	282.93	269.30	226.84	280.44	279.88	330.65	321.95
29/12/2024 17:03:52	225.80	217.98	283.46	269.56	227.38	280.93	280.19	331.19	322.37
29/12/2024 17:04:51	225.86	218.17	283.97	269.72	227.68	281.48	280.36	331.86	322.73
29/12/2024 17:05:51	225.97	218.35	284.46	269.96	227.94	281.97	280.64	332.44	323.20
29/12/2024 17:06:51	226.16	218.54	284.63	270.20	228.13	282.15	280.87	333.14	323.65
29/12/2024 17:07:51	226.42	218.36	284.95	270.50	228.11	282.51	281.16	333.95	324.11
29/12/2024 17:08:50	226.18	218.52	284.59	270.12	228.18	282.16	280.72	334.68	324.47
29/12/2024 17:09:50	224.34	218.58	283.94	267.93	227.99	281.44	278.65	335.28	324.68
29/12/2024 17:10:49	224.66	218.88	283.53	268.21	228.13	281.01	278.90	335.82	325.84
29/12/2024 17:11:49	225.69	219.33	283.84	269.37	228.53	281.31	280.08	336.70	327.01
29/12/2024 17:12:48	226.12	219.58	284.26	269.89	228.84	281.75	280.60	337.12	329.81
29/12/2024 17:13:48	226.56	218.09	284.34	270.40	227.69	281.85	281.11	337.22	330.48
29/12/2024 17:14:48	226.82	218.09	284.99	270.88	227.85	282.51	281.63	338.08	330.79
29/12/2024 17:15:47	226.90	217.97	284.90	271.06	227.74	282.42	281.85	338.03	331.16
29/12/2024 17:16:47	226.68	217.55	284.95	270.97	227.44	282.48	281.80	338.24	331.03
29/12/2024 17:17:46	227.01	218.18	285.91	271.56	228.15	283.45	282.51	339.32	331.59
29/12/2024 17:18:46	227.12	218.32	286.44	271.56	228.41	284.01	282.49	340.12	331.87
29/12/2024 17:19:45	226.93	218.21	286.63	271.18	228.37	284.21	282.06	340.37	332.41
29/12/2024 17:20:45	228.83	218.92	287.79	272.85	229.19	285.38	283.76	341.57	333.21
29/12/2024 17:21:45	229.10	219.07	287.98	272.69	229.38	285.59	283.58	341.78	332.94
29/12/2024 17:22:44	228.59	218.88	287.65	271.68	229.22	286.29	282.51	341.62	334.66
29/12/2024 17:23:43	228.14	218.98	287.80	271.44	229.31	285.26	282.27	341.68	334.82
29/12/2024 17:24:44	228.16	218.97	287.86	271.51	229.34	285.34	282.34	342.12	334.96

29/12/2024 17:25:43	228.91	219.66	288.44	272.57	230.09	288.14	283.41	343.35	335.80
29/12/2024 17:26:43	229.44	220.15	289.37	273.11	230.82	287.17	283.96	343.99	336.71
29/12/2024 17:27:42	229.69	220.40	289.72	273.70	231.30	287.66	284.58	344.01	337.90
29/12/2024 17:28:41	229.85	220.42	288.30	273.98	231.42	286.49	284.83	343.10	337.98
29/12/2024 17:29:41	230.94	221.16	288.06	275.37	232.09	286.32	286.31	343.31	339.10
29/12/2024 17:30:41	231.00	221.54	288.97	275.48	232.55	287.22	286.36	344.04	339.66
29/12/2024 17:31:40	230.67	222.43	290.43	274.41	233.57	288.69	284.90	345.34	340.85
29/12/2024 17:32:40	231.57	221.97	290.66	275.41	233.26	288.92	285.65	345.73	339.20
29/12/2024 17:33:40	231.45	221.79	290.63	275.48	233.09	288.88	285.77	345.75	339.35
29/12/2024 17:34:39	231.96	222.52	291.42	276.16	233.82	289.66	288.50	346.11	339.91
29/12/2024 17:35:39	231.81	220.58	291.62	276.16	232.31	289.85	286.55	347.06	339.68
29/12/2024 17:36:39	231.92	219.97	292.08	276.30	231.80	290.31	286.66	347.44	340.52
29/12/2024 17:37:38	231.81	219.26	292.21	276.33	231.34	290.43	286.72	347.83	340.86
29/12/2024 17:38:37	231.96	218.33	292.74	276.40	230.69	290.94	286.74	347.67	341.71
29/12/2024 17:39:36	231.29	216.86	292.39	275.42	229.40	290.56	285.66	346.67	341.35
29/12/2024 17:40:36	231.27	219.41	292.87	275.45	231.55	291.06	285.74	347.45	341.71
29/12/2024 17:41:35	231.65	220.36	293.23	276.20	232.38	291.41	286.61	348.10	342.62
29/12/2024 17:42:35	231.84	220.86	293.57	276.49	232.83	291.75	287.00	348.69	343.14
29/12/2024 17:43:34	231.91	221.45	293.96	276.83	233.39	292.13	287.42	349.33	343.61
29/12/2024 17:44:34	232.38	222.22	294.46	277.26	234.11	292.64	287.92	350.16	344.24
29/12/2024 17:45:33	232.44	223.08	295.07	277.48	234.93	293.26	288.20	351.06	345.20
29/12/2024 17:46:32	232.44	223.66	295.62	277.49	235.49	293.80	288.45	351.51	346.38
29/12/2024 17:47:33	232.44	224.82	295.40	277.72	236.55	293.70	288.82	351.71	347.36
29/12/2024 17:48:32	233.66	224.98	294.16	279.30	237.05	292.86	290.54	351.09	348.79
29/12/2024 17:49:32	234.22	225.37	294.41	280.32	237.42	293.11	291.68	351.45	350.00
29/12/2024 17:50:31	235.37	225.76	296.32	281.54	239.19	295.07	293.07	353.19	351.17
29/12/2024 17:51:31	235.86	225.68	296.73	282.39	238.27	295.51	294.05	353.60	351.81
29/12/2024 17:52:30	236.16	226.13	297.39	282.87	238.82	296.21	294.64	355.24	352.24
29/12/2024 17:53:30	236.40	226.33	296.80	283.20	238.80	295.58	294.99	354.40	352.51
29/12/2024 17:54:30	236.85	226.99	296.06	283.77	239.29	295.62	295.61	354.11	353.08
29/12/2024 17:55:29	237.84	227.26	297.39	284.85	239.56	296.11	296.71	355.09	354.07
29/12/2024 17:56:28	238.59	227.58	298.10	285.80	239.94	296.81	297.63	356.33	354.90
29/12/2024 17:57:29	239.63	228.42	299.02	287.00	240.77	297.71	298.79	357.66	355.98
29/12/2024 17:58:29	239.97	229.24	299.92	287.41	241.69	298.86	299.16	358.60	356.04
29/12/2024 17:59:29	240.19	230.19	300.60	287.62	242.51	299.30	299.38	359.34	356.19
29/12/2024 18:00:28	240.73	230.21	301.61	288.27	242.67	300.27	300.01	360.21	356.89
29/12/2024 18:01:28	241.43	231.25	303.17	289.09	243.71	301.76	300.83	361.42	357.68
29/12/2024 18:02:27	242.28	230.39	303.44	289.87	243.03	301.99	301.63	361.98	358.19
29/12/2024 18:03:26	242.90	231.69	303.96	290.90	244.18	302.53	302.71	362.70	358.93
29/12/2024 18:04:27	243.66	232.83	304.90	292.28	245.21	303.42	304.23	363.89	359.15
29/12/2024 18:05:26	242.07	233.48	305.64	290.00	245.83	304.13	301.69	364.66	358.96
29/12/2024 18:06:26	242.71	233.81	306.47	290.84	246.21	304.93	302.61	365.55	359.73
29/12/2024 18:07:26	243.27	234.43	307.11	291.68	246.79	305.53	303.55	366.44	360.73
29/12/2024 18:08:26	244.46	234.91	307.91	293.32	247.30	306.31	305.29	367.36	362.12

29/12/2024 18:09:26	245.28	235.88	308.64	294.28	248.01	307.05	306.21	368.07	362.74
29/12/2024 18:10:25	243.53	235.89	307.73	291.90	248.18	306.22	309.79	368.33	362.31
29/12/2024 18:11:25	243.17	235.12	306.77	291.45	247.28	305.21	303.37	368.29	362.41
29/12/2024 18:12:24	244.27	232.65	308.62	292.96	245.17	304.99	304.96	370.11	363.46
29/12/2024 18:13:24	245.10	233.22	307.08	293.96	245.72	305.45	305.87	370.14	363.90
29/12/2024 18:14:24	245.36	233.43	307.19	294.39	246.00	306.60	306.29	371.96	364.50
29/12/2024 18:15:23	245.99	233.76	307.34	291.98	246.36	305.80	306.85	371.90	365.17
29/12/2024 18:16:23	247.04	234.92	307.43	296.14	247.31	305.90	307.96	372.77	366.19
29/12/2024 18:17:23	247.84	235.37	307.55	297.34	247.70	306.03	309.11	373.35	367.13
29/12/2024 18:18:22	248.55	235.24	307.46	298.17	247.59	305.94	309.80	373.59	367.67
29/12/2024 18:19:22	247.55	236.05	307.72	297.17	248.29	306.20	309.03	374.16	367.95
29/12/2024 18:20:21	248.35	236.33	307.96	298.00	248.57	306.43	309.80	374.48	368.42
29/12/2024 18:21:21	248.89	237.25	308.45	298.67	249.43	306.95	310.44	375.19	369.04
29/12/2024 18:22:20	249.49	237.36	308.67	299.31	249.59	307.20	311.03	375.63	369.50
29/12/2024 18:23:20	250.19	237.89	309.39	300.13	250.22	307.95	311.77	376.21	370.15
29/12/2024 18:24:20	250.72	237.76	310.27	300.74	250.29	308.82	312.35	376.85	370.71
29/12/2024 18:25:19	251.48	238.43	311.91	301.76	251.24	310.52	313.42	378.44	371.13
29/12/2024 18:26:19	252.06	238.82	311.96	302.03	251.38	310.45	313.35	378.13	373.48
29/12/2024 18:27:18	253.40	239.23	312.20	303.48	251.76	310.70	314.66	378.53	376.22
29/12/2024 18:28:18	255.00	239.51	312.42	305.54	251.95	310.87	316.71	378.70	378.07
29/12/2024 18:29:17	252.06	239.98	312.82	301.81	252.42	311.28	313.02	379.49	375.10
29/12/2024 18:30:17	251.91	240.14	312.55	302.19	252.71	311.15	313.80	379.73	375.68
29/12/2024 18:31:18	251.07	240.18	311.36	301.52	252.68	310.08	313.38	381.25	376.10
29/12/2024 18:32:18	250.28	241.00	312.24	300.50	253.31	310.82	312.46	380.63	378.07
29/12/2024 18:33:18	251.15	241.49	312.72	301.72	253.76	311.28	313.69	380.92	376.90
29/12/2024 18:34:18	251.69	241.93	312.99	302.39	254.11	311.51	314.40	381.25	377.53
29/12/2024 18:35:17	252.92	242.18	312.51	303.86	254.04	310.93	315.79	382.63	378.18
29/12/2024 18:36:18	254.11	243.59	311.92	305.33	254.95	310.28	317.15	382.78	378.96
29/12/2024 18:37:18	255.46	245.62	311.63	307.07	256.56	310.01	318.89	382.80	380.39
29/12/2024 18:38:17	257.16	246.12	311.94	309.41	257.04	310.34	321.34	383.03	381.70
29/12/2024 18:39:17	258.03	248.21	312.22	310.52	257.16	310.61	322.47	383.22	383.54
29/12/2024 18:40:17	258.38	246.46	312.80	311.08	257.55	311.24	323.08	384.26	384.13
29/12/2024 18:41:16	259.43	247.16	313.57	312.49	258.23	311.99	324.42	384.93	386.19
29/12/2024 18:42:16	259.89	247.60	314.39	313.01	258.76	312.81	324.92	385.78	386.99
29/12/2024 18:43:16	260.11	247.98	314.53	313.34	259.15	313.00	325.26	385.85	387.55
29/12/2024 18:44:16	260.35	248.31	314.75	313.51	259.53	313.26	325.50	385.79	388.73
29/12/2024 18:45:16	259.36	248.87	315.19	312.23	260.15	313.76	324.05	386.19	388.03
29/12/2024 18:46:16	259.59	248.98	315.50	312.30	260.37	314.11	324.07	386.35	389.54
29/12/2024 18:47:17	260.16	249.03	315.62	312.86	260.44	314.23	324.52	386.45	390.83
29/12/2024 18:48:16	259.57	249.76	315.73	311.69	261.06	314.36	323.39	387.07	391.02
29/12/2024 18:49:15	259.17	250.16	316.25	311.80	261.49	314.88	323.49	387.66	392.07
29/12/2024 18:50:15	259.30	250.58	316.33	312.08	261.86	314.97	323.70	387.96	392.85
29/12/2024 18:51:15	259.57	250.28	315.50	312.96	261.50	314.18	324.48	387.25	393.44
29/12/2024 18:52:14	261.21	250.24	315.27	314.89	261.48	313.98	326.42	387.18	395.35

29/12/2024 18:53:14	263.60	250.76	316.07	317.51	262.07	314.78	329.06	387.60	397.70
29/12/2024 18:54:14	264.44	251.15	316.53	318.35	262.48	315.25	329.91	388.53	398.61
29/12/2024 18:55:13	265.06	251.28	316.87	319.02	262.64	315.59	330.99	388.86	399.92
29/12/2024 18:56:13	265.74	250.85	316.79	319.74	262.19	315.45	331.38	388.50	401.56
29/12/2024 18:57:13	265.18	251.30	317.43	319.36	262.69	316.09	331.39	389.32	403.83
29/12/2024 18:58:12	265.93	250.94	317.15	320.73	262.34	315.80	332.87	389.35	405.21
29/12/2024 18:59:11	266.81	249.97	316.32	322.46	261.47	315.03	334.86	387.40	407.06
29/12/2024 19:00:12	267.66	249.78	316.73	323.29	261.40	315.44	335.69	387.95	407.54
29/12/2024 19:01:11	267.72	249.56	316.66	323.38	261.23	315.37	335.80	387.82	408.34
29/12/2024 19:02:11	268.34	249.61	316.96	324.31	261.28	315.64	336.81	388.05	409.55
29/12/2024 19:03:10	269.41	250.19	317.63	325.48	261.88	316.31	338.02	388.66	410.77
29/12/2024 19:04:11	270.12	249.46	318.14	326.42	261.35	316.79	339.02	390.00	411.97
29/12/2024 19:05:10	271.73	249.99	319.03	328.28	261.90	317.64	340.88	390.83	413.62
29/12/2024 19:06:10	271.42	250.20	318.65	328.01	262.02	317.20	340.74	389.68	414.56
29/12/2024 19:07:09	269.67	250.51	318.24	325.22	262.40	317.02	337.68	389.78	415.42
29/12/2024 19:08:09	268.95	249.91	317.97	324.73	261.82	316.71	337.38	390.35	415.05
29/12/2024 19:09:09	267.03	249.36	317.91	322.14	261.28	316.60	334.66	389.47	415.00
29/12/2024 19:10:08	268.19	249.39	317.90	323.69	261.35	316.61	336.23	390.36	415.52
29/12/2024 19:11:08	268.57	250.01	318.51	324.23	261.86	317.16	336.78	391.44	415.32
29/12/2024 19:12:08	269.63	250.16	317.92	325.70	261.85	316.56	338.33	393.45	416.72
29/12/2024 19:13:07	270.20	250.32	317.24	326.33	261.81	315.87	338.94	393.04	416.37
29/12/2024 19:14:07	269.78	251.13	317.56	325.06	262.62	316.24	338.23	393.60	416.05
29/12/2024 19:15:06	270.57	251.26	317.53	326.79	262.72	316.22	339.48	394.35	417.61
29/12/2024 19:16:06	271.78	251.44	318.92	328.38	263.16	317.61	341.10	396.35	419.95
29/12/2024 19:17:05	271.72	251.67	319.07	328.58	263.35	317.75	341.53	396.30	421.08
29/12/2024 19:18:05	271.26	250.82	318.33	327.89	262.52	317.01	340.74	396.38	421.87
29/12/2024 19:19:05	270.89	251.81	317.72	327.76	263.27	316.46	340.64	395.06	421.83
29/12/2024 19:20:05	271.72	255.94	317.66	328.80	266.49	316.36	341.76	394.27	423.73
29/12/2024 19:21:05	272.09	256.30	318.24	329.21	266.88	316.93	342.20	394.70	424.48
29/12/2024 19:22:05	271.26	256.30	318.34	328.11	266.92	317.04	341.03	394.40	424.27
29/12/2024 19:23:05	271.82	257.05	319.87	328.59	267.87	318.60	341.50	395.04	425.64
29/12/2024 19:24:04	273.56	258.76	318.62	330.60	268.70	317.17	343.49	396.61	428.45
29/12/2024 19:25:04	274.74	258.33	318.22	332.09	268.34	316.81	344.97	397.27	430.31
29/12/2024 19:26:03	271.53	257.94	318.16	328.12	268.09	316.80	340.98	397.73	432.06
29/12/2024 19:27:03	271.00	258.22	318.61	326.94	268.41	317.25	339.60	398.76	432.01
29/12/2024 19:28:03	271.94	258.12	318.69	328.22	268.38	317.36	340.89	399.26	432.89
29/12/2024 19:29:02	272.89	257.92	318.57	329.48	268.25	317.27	342.14	398.90	433.83
29/12/2024 19:30:01	271.48	257.29	318.92	328.19	267.80	317.60	341.14	399.42	432.98
29/12/2024 19:31:02	273.31	257.16	319.92	330.38	267.84	318.57	343.32	400.86	435.05
29/12/2024 19:32:01	273.31	256.87	320.19	330.59	267.37	318.65	343.72	402.61	436.42
29/12/2024 19:33:00	274.06	256.71	320.49	331.50	267.21	318.88	344.63	404.25	436.97
29/12/2024 19:34:00	275.18	256.56	318.23	333.52	267.14	316.96	346.86	404.08	438.43
29/12/2024 19:34:59	275.96	256.47	318.91	334.57	267.16	317.60	348.07	404.91	440.06
29/12/2024 19:35:58	277.49	256.56	320.06	336.46	267.37	318.70	350.13	407.02	440.31

29/12/2024 19:36:58	275.69	256.48	319.43	333.63	267.32	318.16	347.00	406.56	440.79
29/12/2024 19:37:57	276.87	256.09	319.61	335.31	266.99	318.30	348.80	403.72	442.64
29/12/2024 19:38:57	275.17	255.90	318.63	333.49	266.65	317.32	346.95	403.62	440.81
29/12/2024 19:39:56	274.93	255.39	318.04	332.92	266.17	316.76	346.28	402.82	440.07
29/12/2024 19:40:56	275.62	255.40	318.23	333.40	266.19	316.93	346.57	403.54	442.50
29/12/2024 19:41:56	275.73	254.53	319.52	333.78	265.74	318.22	347.15	405.75	441.19
29/12/2024 19:42:56	276.89	253.77	320.09	334.89	265.21	318.76	348.19	406.46	442.64
29/12/2024 19:43:56	277.47	252.51	319.85	335.84	264.08	318.47	349.17	406.28	444.70
29/12/2024 19:44:56	277.39	252.49	318.38	336.87	263.86	317.06	350.76	408.37	447.43
29/12/2024 19:45:56	277.22	252.83	319.01	336.29	264.30	317.72	350.06	411.18	447.54
29/12/2024 19:46:55	278.18	253.43	319.92	337.51	264.90	318.58	351.34	411.80	449.69
29/12/2024 19:47:55	278.72	253.57	319.66	335.97	264.97	318.33	349.81	411.83	451.46
29/12/2024 19:48:54	276.83	254.10	320.68	335.61	265.55	319.32	349.29	412.57	453.02
29/12/2024 19:49:54	275.93	254.31	321.26	334.42	265.76	319.86	347.98	413.51	451.79
29/12/2024 19:50:53	275.27	254.67	319.93	333.84	265.99	318.66	347.38	411.50	451.98
29/12/2024 19:51:53	276.75	254.31	321.14	335.12	265.94	319.87	348.59	412.78	453.56
29/12/2024 19:52:53	277.26	254.50	321.85	336.01	266.26	320.59	349.57	414.29	455.90
29/12/2024 19:53:53	274.88	264.48	322.12	332.76	265.45	320.31	346.07	415.18	457.36
29/12/2024 19:54:52	275.63	254.67	323.81	333.78	265.77	321.89	347.19	416.17	458.91
29/12/2024 19:55:53	276.26	254.98	324.98	334.66	266.15	323.00	348.16	417.92	460.46
29/12/2024 19:56:52	277.17	254.79	325.61	335.90	266.04	323.57	349.52	417.79	462.18
29/12/2024 19:57:51	278.09	255.80	325.99	337.28	266.98	323.99	351.10	418.80	464.50
29/12/2024 19:58:52	279.08	255.48	325.63	338.91	266.71	323.67	353.03	418.89	467.02
29/12/2024 19:59:51	279.75	255.74	325.47	339.94	266.93	323.54	354.16	418.96	468.52
29/12/2024 20:00:50	280.69	255.30	325.75	341.12	266.65	323.82	355.38	419.03	470.15
29/12/2024 20:01:50	281.48	254.92	326.37	342.17	266.34	324.36	356.51	420.24	472.24
29/12/2024 20:02:50	282.34	254.68	326.57	343.56	265.80	324.31	358.28	421.11	474.86
29/12/2024 20:03:49	283.21	254.83	327.71	344.71	265.88	325.28	359.48	423.52	476.80
29/12/2024 20:04:49	284.33	254.58	328.29	345.47	265.63	325.75	360.26	424.69	478.38
29/12/2024 20:05:48	285.06	254.51	328.83	346.51	265.67	326.28	361.38	425.02	478.52
29/12/2024 20:06:48	286.17	254.46	329.44	347.73	265.72	326.87	362.69	425.64	479.06
29/12/2024 20:07:48	286.75	254.50	329.81	348.46	265.83	327.25	363.47	426.09	479.85
29/12/2024 20:08:47	287.20	253.77	330.24	349.10	265.43	327.72	364.15	427.51	481.20
29/12/2024 20:09:46	285.70	254.10	329.70	347.31	265.58	327.19	362.20	429.23	482.79
29/12/2024 20:10:46	285.22	254.15	328.33	347.27	265.60	325.98	362.26	431.22	485.74
29/12/2024 20:11:46	285.95	254.46	328.16	347.77	265.80	325.81	362.71	430.12	487.09
29/12/2024 20:12:45	286.53	254.57	328.39	348.40	265.97	326.06	363.38	432.93	488.43
29/12/2024 20:13:45	285.01	254.20	328.27	348.09	265.73	325.99	360.85	431.90	486.56
29/12/2024 20:14:44	285.31	254.55	327.74	346.32	266.14	325.61	361.02	432.14	487.12
29/12/2024 20:15:43	284.68	255.02	326.90	345.42	266.15	324.65	359.97	434.80	488.06
29/12/2024 20:16:42	284.09	255.49	325.39	344.81	266.55	323.35	359.36	435.20	487.93
29/12/2024 20:17:42	286.31	255.78	325.94	347.70	266.89	323.90	362.18	435.77	490.78
29/12/2024 20:18:42	288.52	256.21	325.81	350.50	267.41	323.90	364.93	435.80	492.92
29/12/2024 20:19:41	289.08	256.48	325.76	351.21	267.66	323.87	365.60	435.91	494.38

29/12/2024 20:20:41	289.38	256.94	325.62	351.66	267.95	323.71	366.09	435.43	493.81
29/12/2024 20:21:40	289.25	257.45	326.09	351.00	268.51	324.21	365.22	436.22	495.14
29/12/2024 20:22:40	289.39	257.54	325.70	351.32	268.38	323.75	365.61	437.62	495.05

ZONA 2: 02/12/2024

Time	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8	Point 9	Point 10	Point 11	Point 12
X (m)	763594.04	763595.29	763594.04	763595.29	763596.54	763594.04	763596.54	763594.04	763595.29	763596.54	763595.29	763596.54
Y (m)	925218.468	925218.468	925218.593	925218.593	925218.593	925218.718	925218.718	925218.843	925218.843	925218.843	925218.968	925218.968
Z (m)	3717.27	3718.63	3715.67	3717.19	3718.50	3714.33	3716.90	3712.72	3714.01	3715.29	3712.40	3713.73
2/12/2024 00:00:27	236.23	199.31	234.19	197.38	112.61	225.40	133.98	211.37	156.61	126.10	136.94	130.15
2/12/2024 00:01:28	236.04	199.65	234.07	197.78	112.72	225.51	134.08	211.89	156.93	126.21	137.04	130.23
2/12/2024 00:02:27	236.18	199.91	234.22	197.91	112.94	225.70	134.33	211.69	156.94	126.40	137.22	130.34
2/12/2024 00:03:27	236.08	199.85	234.15	197.92	112.76	225.72	134.10	211.79	156.99	126.18	137.17	130.14
2/12/2024 00:04:26	236.40	200.03	234.44	198.08	112.98	225.95	134.39	211.96	157.16	126.38	137.27	130.22
2/12/2024 00:05:25	236.63	200.13	234.69	198.19	113.05	226.29	134.48	212.22	157.30	126.47	137.34	130.26
2/12/2024 00:06:25	236.94	200.45	235.02	198.47	113.29	226.72	134.78	212.53	157.47	126.70	137.43	130.33
2/12/2024 00:07:25	237.32	200.61	235.48	198.65	113.31	227.61	134.72	213.13	157.66	126.80	137.58	130.27
2/12/2024 00:08:24	237.71	200.97	236.38	199.00	113.69	231.06	135.19	215.22	158.00	127.04	137.79	130.56
2/12/2024 00:09:24	238.42	201.08	237.02	199.14	114.86	231.48	136.53	215.53	158.33	128.35	138.00	131.22
2/12/2024 00:10:23	242.03	201.43	240.06	199.48	114.21	232.13	135.73	216.06	158.42	127.51	138.03	130.80
2/12/2024 00:11:23	242.09	201.73	240.15	199.78	114.77	232.40	136.34	216.33	158.82	128.02	138.30	131.06
2/12/2024 00:12:23	242.46	202.07	240.58	200.14	115.26	232.93	136.90	216.82	159.22	128.56	138.59	131.39
2/12/2024 00:13:22	242.49	202.32	240.63	200.40	115.28	233.17	136.91	217.08	159.50	128.50	138.78	131.38
2/12/2024 00:14:21	242.57	202.57	240.73	200.65	115.64	233.37	137.28	217.31	159.83	128.78	139.02	131.51
2/12/2024 00:15:21	242.73	202.96	240.88	201.06	115.55	233.45	136.99	217.54	160.11	128.43	139.24	131.42
2/12/2024 00:16:21	242.82	203.19	241.01	201.29	116.14	233.75	137.67	217.83	160.42	129.14	139.44	131.81
2/12/2024 00:17:21	242.79	203.49	240.96	201.98	116.47	233.52	137.94	217.82	160.76	129.34	139.75	131.96
2/12/2024 00:18:21	242.67	203.48	240.82	201.59	116.39	233.25	137.92	217.69	160.72	129.31	139.87	131.89
2/12/2024 00:19:21	242.42	203.37	240.54	201.48	116.22	232.75	137.70	217.37	160.60	129.04	139.46	131.57
2/12/2024 00:20:20	242.13	203.33	240.23	201.45	116.26	232.35	137.71	217.14	160.61	129.06	139.49	131.58
2/12/2024 00:21:19	241.89	203.46	239.94	201.54	116.43	231.73	137.90	216.79	160.72	129.24	139.59	131.68
2/12/2024 00:22:19	241.38	203.51	239.38	201.60	116.62	230.89	138.04	216.35	160.88	129.34	139.75	131.77
2/12/2024 00:23:19	239.64	203.60	237.89	201.70	116.72	230.33	138.21	216.08	161.11	129.47	140.00	131.90
2/12/2024 00:24:18	239.56	203.85	237.83	201.95	117.02	230.29	138.46	216.17	161.35	129.73	140.20	132.09
2/12/2024 00:25:18	239.61	204.21	237.90	202.32	117.38	230.43	138.83	216.42	161.78	130.08	140.59	132.42
2/12/2024 00:26:17	239.67	204.36	237.95	202.48	117.38	230.42	138.76	216.49	161.85	130.00	140.60	132.35
2/12/2024 00:27:16	240.12	204.47	238.33	202.58	117.31	230.51	138.67	216.58	161.85	129.91	140.55	132.26
2/12/2024 00:28:16	240.66	204.69	238.80	202.80	117.52	230.66	138.91	216.77	162.10	130.13	140.76	132.41
2/12/2024 00:29:15	241.16	205.30	239.24	203.41	117.91	230.79	139.25	217.11	162.64	130.40	141.19	132.65
2/12/2024 00:30:15	241.46	205.45	239.47	203.57	117.98	230.73	139.29	217.16	162.81	130.40	141.35	132.71
2/12/2024 00:31:15	244.43	205.63	241.51	203.72	118.12	228.58	139.40	215.98	162.94	130.52	141.48	132.79
2/12/2024 00:32:14	247.54	205.21	244.17	203.31	117.81	229.55	139.12	216.36	162.67	130.25	141.25	132.56
2/12/2024 00:33:14	248.21	205.18	244.81	203.26	117.84	230.17	139.16	216.66	162.64	130.29	141.26	132.59
2/12/2024 00:34:13	248.48	205.17	244.89	203.26	117.84	229.36	139.15	216.20	162.65	130.28	141.24	132.54
2/12/2024 00:35:12	246.53	205.18	243.21	203.27	117.72	228.71	139.04	215.86	162.70	130.13	141.26	132.44
2/12/2024 00:36:12	246.34	205.11	243.04	203.25	117.65	228.60	138.97	215.85	162.80	130.01	141.37	132.40
2/12/2024 00:37:13	247.58	205.65	244.23	203.74	117.88	229.63	139.18	216.57	163.04	130.23	141.50	132.54
2/12/2024 00:38:12	248.92	206.23	245.55	204.33	118.03	230.98	139.33	217.61	163.47	130.34	141.77	132.64

2/12/2024 00:39:12	251.75	206.79	247.23	204.86	118.18	227.27	139.47	215.73	188.75	130.43	141.89	132.70
2/12/2024 00:40:12	254.44	206.45	249.64	204.49	118.27	228.91	139.57	216.42	163.67	130.52	141.97	132.74
2/12/2024 00:41:11	255.96	206.69	251.20	204.72	118.43	230.88	139.67	217.62	163.92	130.58	142.17	132.80
2/12/2024 00:42:10	256.66	207.04	252.14	205.28	118.42	233.02	139.64	219.01	164.15	130.51	142.26	132.74
2/12/2024 00:43:09	258.71	207.31	254.38	205.33	118.63	236.48	139.84	221.02	164.29	130.70	142.37	132.89
2/12/2024 00:44:10	261.19	207.96	256.47	206.01	118.65	236.95	140.02	221.61	164.79	130.82	142.68	132.98
2/12/2024 00:45:09	261.51	208.21	256.81	206.18	118.68	237.39	139.86	221.85	164.85	130.60	142.69	132.79
2/12/2024 00:46:09	262.52	207.74	257.80	205.73	118.71	238.58	139.90	222.34	164.78	130.63	142.76	132.82
2/12/2024 00:47:08	263.83	208.03	259.11	206.08	119.17	240.09	140.27	223.41	165.20	130.96	143.14	133.06
2/12/2024 00:48:09	263.28	208.55	258.58	206.57	119.02	239.42	140.14	223.20	165.46	130.75	143.21	132.88
2/12/2024 00:49:08	262.14	209.07	257.35	207.09	119.22	237.49	140.28	222.36	165.85	130.86	143.39	132.96
2/12/2024 00:50:08	262.50	209.22	257.71	207.33	119.09	237.85	140.21	222.78	165.96	130.79	143.32	132.93
2/12/2024 00:51:07	264.73	208.05	260.05	206.14	119.04	241.32	140.23	224.19	164.88	131.06	142.70	133.11
2/12/2024 00:52:07	265.37	208.32	260.74	206.45	119.28	242.29	140.47	224.91	165.07	131.32	142.80	133.30
2/12/2024 00:53:07	267.26	209.09	262.66	207.23	119.90	244.48	141.01	226.50	165.88	131.74	143.50	133.65
2/12/2024 00:54:07	267.26	209.40	262.71	207.62	119.49	244.74	140.56	226.93	166.53	131.14	143.95	133.33
2/12/2024 00:55:07	265.54	208.68	260.93	206.98	119.91	242.51	141.08	225.48	166.06	131.88	143.79	134.00
2/12/2024 00:56:06	266.55	209.02	261.99	207.38	120.16	243.92	141.29	226.53	166.44	132.07	144.12	134.20
2/12/2024 00:57:06	268.95	209.07	262.34	207.41	120.11	244.15	141.25	226.65	166.39	132.01	144.03	134.14
2/12/2024 00:58:05	267.17	208.97	262.55	207.32	120.04	244.29	141.17	226.69	166.30	131.97	143.91	134.07
2/12/2024 00:59:05	267.43	208.94	262.78	207.30	120.04	244.47	141.19	226.79	166.30	131.97	143.97	134.09
2/12/2024 01:00:05	267.68	208.76	263.09	207.13	120.02	245.12	141.19	227.10	166.20	132.00	143.96	134.15
2/12/2024 01:01:05	267.95	208.75	263.31	207.15	119.91	245.12	141.09	227.16	166.30	131.84	144.00	133.98
2/12/2024 01:02:05	268.62	208.87	263.94	207.27	119.89	245.86	141.09	227.50	166.32	131.83	144.01	133.99
2/12/2024 01:03:04	268.82	209.08	264.14	207.52	119.92	245.82	141.11	227.74	166.50	131.82	144.04	134.01
2/12/2024 01:04:03	269.00	209.26	264.30	207.64	119.99	245.93	141.17	227.80	166.61	131.86	144.19	134.07
2/12/2024 01:05:04	269.12	209.42	264.44	207.75	120.21	246.17	141.39	227.91	166.61	132.12	144.29	134.27
2/12/2024 01:06:03	268.99	209.51	264.33	207.79	120.22	246.07	141.38	227.82	166.60	132.09	144.30	134.22
2/12/2024 01:07:03	269.16	209.64	264.49	207.91	120.15	246.20	141.33	227.94	166.70	132.00	144.33	134.13
2/12/2024 01:08:03	269.17	209.73	264.52	207.97	120.14	246.32	141.32	227.99	166.73	131.99	144.34	134.11
2/12/2024 01:09:04	269.43	209.95	264.77	208.24	120.37	246.50	141.55	228.27	167.03	132.21	144.52	134.31
2/12/2024 01:10:03	269.47	210.18	264.83	208.49	120.20	246.62	141.34	228.46	167.30	131.92	144.21	134.00
2/12/2024 01:11:03	269.68	210.44	265.03	208.71	120.34	246.82	141.44	228.62	167.59	131.95	144.40	133.96
2/12/2024 01:12:03	269.86	210.61	265.21	208.88	120.49	247.01	141.58	228.81	167.81	132.07	144.52	134.09
2/12/2024 01:13:03	270.31	210.78	265.65	209.07	120.56	247.41	141.67	229.13	168.00	132.14	144.67	134.16
2/12/2024 01:14:02	270.45	210.99	265.80	209.26	120.63	247.59	141.74	229.30	168.30	132.14	144.88	134.22
2/12/2024 01:15:02	270.58	211.17	265.93	209.43	120.49	247.76	141.44	229.45	168.55	131.70	144.95	133.85
2/12/2024 01:16:02	270.56	211.08	265.90	209.34	120.37	247.66	141.41	229.37	168.51	131.68	144.94	133.76
2/12/2024 01:17:01	270.53	211.21	265.89	209.47	120.41	247.72	141.46	229.45	168.64	131.72	144.99	133.78
2/12/2024 01:18:01	270.91	211.54	266.27	209.79	120.70	248.12	141.80	229.81	169.00	132.04	145.36	134.10
2/12/2024 01:19:00	271.17	211.67	266.52	209.92	120.65	248.33	141.72	229.98	169.16	131.91	145.45	133.99
2/12/2024 01:19:59	270.96	211.62	266.32	209.85	120.43	248.17	141.56	229.83	169.12	131.69	145.44	133.81
2/12/2024 01:20:59	271.28	211.78	266.64	210.02	120.54	248.50	141.66	230.09	169.36	131.75	145.61	133.85
2/12/2024 01:21:59	271.21	211.78	266.58	209.99	120.47	248.54	141.63	230.08	169.37	131.70	145.64	133.81

2/12/2024 01:22:50	271.46	211.87	266.85	210.07	120.46	248.86	141.65	230.29	169.50	131.69	145.75	133.82
2/12/2024 01:23:59	271.54	212.07	267.00	210.27	120.60	249.41	141.80	230.66	169.77	131.79	146.00	133.93
2/12/2024 01:24:59	271.34	212.29	266.88	210.48	120.89	249.59	141.93	230.85	170.00	131.88	146.18	134.03
2/12/2024 01:26:00	271.34	212.39	266.96	210.58	120.84	250.07	142.08	231.17	170.17	132.03	146.37	134.15
2/12/2024 01:27:00	270.89	212.51	266.60	210.70	120.83	250.10	142.09	231.23	170.25	132.02	146.41	134.18
2/12/2024 01:27:59	269.89	212.58	265.73	210.77	120.82	250.65	142.13	231.58	170.42	132.02	146.55	134.18
2/12/2024 01:28:58	269.94	212.77	266.00	210.97	120.91	251.05	142.27	231.89	170.65	132.16	146.75	134.30
2/12/2024 01:29:58	270.16	212.89	265.78	211.08	120.86	248.60	142.24	230.57	170.73	132.08	146.80	134.25
2/12/2024 01:30:58	270.09	213.06	265.53	211.25	120.85	247.44	142.26	229.98	170.88	132.07	146.89	134.23
2/12/2024 01:31:57	270.11	213.14	265.44	211.32	120.75	246.82	142.20	229.65	170.94	131.96	146.91	134.13
2/12/2024 01:32:57	270.07	213.26	265.42	211.43	120.69	246.84	142.20	229.71	171.02	131.94	146.96	134.11
2/12/2024 01:33:56	270.38	213.67	265.74	211.83	121.03	247.22	142.47	230.07	171.36	132.18	147.26	134.35
2/12/2024 01:34:55	270.51	213.93	265.88	212.08	121.19	247.35	142.65	230.25	171.61	132.35	147.49	134.48
2/12/2024 01:35:54	270.59	214.11	265.91	212.23	121.13	247.19	142.59	230.20	171.68	132.23	147.48	134.35
2/12/2024 01:36:55	270.93	214.61	266.27	212.71	121.33	247.56	142.80	230.59	172.08	132.36	147.78	134.45
2/12/2024 01:37:54	271.30	215.18	266.66	213.27	121.57	248.05	143.03	231.08	172.56	132.48	148.14	134.52
2/12/2024 01:38:53	270.98	215.33	266.40	213.43	121.72	248.00	143.16	231.14	172.77	132.60	148.29	134.61
2/12/2024 01:39:53	271.21	215.83	266.67	213.95	122.01	248.46	143.43	231.64	173.31	132.76	148.71	134.72
2/12/2024 01:40:52	270.48	213.71	266.98	212.28	121.82	248.17	143.29	231.30	173.03	132.70	148.54	134.71
2/12/2024 01:41:53	272.18	215.84	267.59	213.69	121.84	249.27	143.24	231.91	172.79	132.70	148.25	134.71
2/12/2024 01:42:52	272.14	215.56	267.52	213.67	122.03	249.02	143.48	231.83	172.99	132.98	148.51	134.96
2/12/2024 01:43:51	272.23	215.59	267.61	213.70	122.04	249.16	143.49	231.92	173.01	132.97	148.51	134.94
2/12/2024 01:44:51	272.57	215.83	267.96	213.93	122.23	249.56	143.66	232.24	173.21	133.16	148.71	135.12
2/12/2024 01:45:52	272.75	215.93	268.14	214.03	122.32	249.78	143.76	232.41	173.29	133.26	148.79	135.21
2/12/2024 01:46:52	272.80	215.91	268.21	214.02	122.27	249.95	143.71	232.49	173.25	133.21	148.74	135.16
2/12/2024 01:47:51	273.14	216.03	268.53	214.13	122.37	250.24	143.82	232.70	173.35	133.31	148.84	135.26
2/12/2024 01:48:51	273.39	216.22	268.79	214.30	122.50	250.55	143.92	232.93	173.45	133.45	148.92	135.37
2/12/2024 01:49:51	273.41	216.15	268.83	214.24	122.35	250.70	143.79	233.00	173.38	133.29	148.82	135.23
2/12/2024 01:50:50	273.86	216.38	269.11	214.45	122.53	251.01	143.96	233.25	173.55	133.44	149.00	135.37
2/12/2024 01:51:49	273.77	216.44	269.22	214.52	122.60	251.23	144.03	233.41	173.62	133.54	149.07	135.46
2/12/2024 01:52:49	273.95	216.54	269.39	214.62	122.66	251.39	144.08	233.54	173.69	133.61	149.12	135.51
2/12/2024 01:53:49	273.94	216.60	269.40	214.68	122.68	251.48	144.12	233.61	173.74	133.63	149.16	135.53
2/12/2024 01:54:48	274.02	216.77	269.50	214.83	122.82	251.61	144.25	233.74	173.87	133.78	149.28	135.67
2/12/2024 01:55:47	274.14	216.86	269.61	214.92	122.85	251.69	144.29	233.82	173.93	133.81	149.32	135.69
2/12/2024 01:56:47	274.16	216.94	269.62	214.99	122.92	251.69	144.35	233.83	173.97	133.86	149.35	135.73
2/12/2024 01:57:46	274.33	216.96	269.77	215.01	122.88	251.70	144.32	233.85	173.99	133.81	149.36	135.69
2/12/2024 01:58:45	274.45	217.19	269.89	215.23	123.05	251.84	144.48	234.01	174.17	133.99	149.52	135.84
2/12/2024 01:59:45	274.66	217.26	270.06	215.29	123.04	251.88	144.49	234.04	174.20	133.99	149.53	135.85
2/12/2024 02:00:45	274.76	217.25	270.13	215.27	123.02	251.73	144.47	233.95	174.18	133.95	149.49	135.78
2/12/2024 02:01:44	274.61	217.31	270.01	215.33	123.02	251.78	144.47	233.99	174.21	133.93	149.50	135.74
2/12/2024 02:02:44	274.93	217.55	270.31	215.55	123.17	251.93	144.61	234.16	174.39	134.07	149.66	135.88
2/12/2024 02:03:44	275.44	217.63	270.74	215.64	123.14	252.06	144.58	234.27	174.45	134.01	149.68	135.83
2/12/2024 02:04:44	275.79	217.63	271.01	215.63	123.12	251.97	144.56	234.21	174.42	134.00	149.64	135.78
2/12/2024 02:05:43	275.98	217.95	271.20	215.93	123.28	252.19	144.70	234.45	174.65	134.14	149.82	135.87

2/12/2024 02:06:43	275.65	218.07	270.95	216.05	123.48	252.23	144.95	234.52	174.83	134.41	150.00	136.12
2/12/2024 02:07:42	276.25	218.13	271.44	216.11	123.36	252.26	144.80	234.56	174.83	134.22	149.95	135.93
2/12/2024 02:08:42	276.44	218.32	271.61	216.28	123.54	252.37	144.96	234.69	174.99	134.40	150.09	136.07
2/12/2024 02:09:42	276.71	218.45	271.90	216.42	123.45	252.74	144.89	234.95	175.06	134.31	150.09	136.00
2/12/2024 02:10:41	276.91	218.50	272.06	216.46	123.39	252.72	144.85	234.96	175.10	134.23	150.11	133.90
2/12/2024 02:11:41	277.25	218.63	272.35	216.58	123.41	252.82	144.86	235.05	175.17	134.23	150.17	135.92
2/12/2024 02:12:41	277.84	218.82	272.85	216.75	123.55	252.88	144.98	235.14	175.29	134.35	150.26	136.02
2/12/2024 02:13:40	277.87	218.98	272.88	216.90	123.60	252.90	145.01	235.19	175.38	134.35	150.30	136.02
2/12/2024 02:14:40	278.22	219.14	273.16	217.05	123.69	252.88	145.09	235.23	175.51	134.42	150.39	136.06
2/12/2024 02:15:40	278.33	219.34	273.28	217.23	123.80	253.05	145.21	235.39	175.63	134.55	150.55	136.19
2/12/2024 02:16:39	278.81	219.51	273.67	217.37	123.87	253.00	145.25	235.38	175.71	134.58	150.58	136.21
2/12/2024 02:17:39	279.10	219.73	273.91	217.59	123.87	253.06	145.31	235.51	175.88	134.68	150.72	136.27
2/12/2024 02:18:38	279.31	219.87	274.09	217.70	123.93	253.02	145.34	235.52	175.97	134.65	150.76	136.27
2/12/2024 02:19:38	279.42	220.05	274.19	217.89	123.82	253.09	145.34	235.63	176.13	134.68	150.87	136.28
2/12/2024 02:20:38	279.62	220.30	274.39	218.13	124.14	253.31	145.56	235.86	176.34	134.85	151.02	136.45
2/12/2024 02:21:37	279.59	220.39	274.37	218.21	123.88	253.29	145.46	235.86	176.33	134.74	150.99	136.38
2/12/2024 02:22:36	279.96	220.59	274.68	218.39	124.10	253.37	145.51	235.96	176.48	134.77	151.07	136.40
2/12/2024 02:23:36	279.94	220.82	274.68	218.61	124.10	253.41	145.60	236.08	176.68	134.85	151.19	136.47
2/12/2024 02:24:35	280.58	221.06	275.20	218.82	124.29	253.37	145.70	236.11	176.89	134.92	151.34	136.54
2/12/2024 02:25:35	280.55	221.31	275.20	219.07	123.90	253.48	145.73	236.28	177.12	134.92	151.49	136.56
2/12/2024 02:26:34	280.70	221.43	275.33	219.19	123.60	253.49	145.69	236.35	177.30	134.83	151.57	136.49
2/12/2024 02:27:35	280.68	221.57	275.31	219.35	123.47	253.49	145.67	236.44	177.53	134.77	151.70	136.45
2/12/2024 02:28:34	280.86	221.79	275.48	219.58	123.56	253.56	145.69	236.58	177.89	134.71	151.93	136.43
2/12/2024 02:29:33	281.08	221.95	275.64	219.78	123.61	253.46	145.62	236.66	178.28	134.54	152.13	136.33
2/12/2024 02:30:33	281.67	222.20	276.14	220.04	123.69	253.56	145.74	236.84	178.75	134.56	152.51	136.38
2/12/2024 02:31:33	281.65	222.35	276.10	220.38	123.84	253.43	145.82	237.16	179.32	134.57	152.73	136.39
2/12/2024 02:32:33	281.69	222.43	276.15	220.61	123.86	253.49	145.84	237.48	179.83	134.51	152.99	136.36
2/12/2024 02:33:33	281.86	222.62	276.29	220.92	123.98	253.50	145.88	237.76	180.22	134.50	153.16	136.36
2/12/2024 02:34:33	282.06	222.67	276.46	221.01	123.90	253.54	145.80	237.89	180.36	134.40	153.22	136.33
2/12/2024 02:35:33	282.24	222.81	276.62	221.17	123.89	253.58	145.71	237.99	180.56	134.26	153.32	136.25
2/12/2024 02:36:33	282.57	223.03	276.92	221.37	123.89	253.74	145.68	238.14	180.71	134.22	153.44	136.26
2/12/2024 02:37:33	282.82	223.12	277.13	221.45	124.01	253.82	145.74	238.21	180.81	134.26	153.53	136.29
2/12/2024 02:38:33	283.20	223.36	277.47	221.71	124.15	253.94	145.82	238.43	181.07	134.31	153.72	136.36
2/12/2024 02:39:32	283.57	223.48	277.77	221.78	124.12	253.94	145.74	238.38	181.03	134.23	153.72	136.31
2/12/2024 02:40:32	283.45	223.70	277.69	221.98	124.31	254.01	145.90	238.49	181.22	134.37	153.88	136.43
2/12/2024 02:41:32	284.00	223.87	278.14	222.12	124.43	254.04	145.98	238.53	181.33	134.44	153.98	136.47
2/12/2024 02:42:31	284.03	224.16	278.19	222.38	124.63	254.14	146.11	238.66	181.51	134.54	154.17	136.58
2/12/2024 02:43:31	284.14	224.11	278.26	222.30	124.59	254.03	146.05	238.53	181.41	134.49	154.09	136.51
2/12/2024 02:44:31	284.43	224.26	278.50	222.44	124.68	254.08	146.10	238.61	181.50	134.53	154.19	136.60
2/12/2024 02:45:30	283.83	224.41	278.09	222.55	124.82	254.03	146.21	238.58	181.55	134.65	154.26	136.67
2/12/2024 02:46:30	285.16	224.64	279.11	222.75	125.02	254.18	146.36	238.71	181.69	134.79	154.41	136.78
2/12/2024 02:47:30	285.04	224.89	279.04	222.96	125.23	254.24	146.54	238.79	181.81	134.97	154.55	136.93
2/12/2024 02:48:31	285.14	225.11	279.14	223.12	125.36	254.33	146.62	238.85	181.86	135.04	154.63	136.99
2/12/2024 02:49:30	285.06	225.34	279.08	223.31	125.47	254.31	146.74	238.86	181.92	135.16	154.71	137.07

2/12/2024 02:50:27	284.93	225.56	279.00	223.50	125.70	254.45	146.93	238.99	182.06	135.35	151.88	137.23
2/12/2024 02:51:29	284.75	225.78	278.85	223.66	125.82	254.40	147.06	238.96	182.12	135.47	154.96	137.32
2/12/2024 02:52:28	284.74	225.96	278.43	223.81	125.94	254.26	147.18	238.90	182.19	135.59	155.08	137.41
2/12/2024 02:53:27	284.44	225.94	278.58	223.75	125.93	254.20	147.17	238.81	182.11	135.58	155.03	137.37
2/12/2024 02:54:26	284.64	226.20	278.78	223.98	126.10	254.38	147.34	238.97	182.27	135.72	155.19	137.49
2/12/2024 02:55:27	284.96	226.49	279.09	224.24	126.32	254.52	147.56	239.12	182.46	135.93	155.42	137.68
2/12/2024 02:56:27	285.02	226.56	279.12	224.29	126.37	254.51	147.60	239.12	182.50	135.95	155.48	137.67
2/12/2024 02:57:26	285.00	226.91	279.15	224.62	126.65	254.73	147.88	239.35	182.76	136.22	155.74	137.90
2/12/2024 02:58:26	285.19	227.11	279.31	224.79	126.82	254.79	148.02	239.43	182.88	136.33	155.87	137.99
2/12/2024 02:59:26	285.16	227.14	279.28	224.82	126.85	254.71	148.01	239.39	182.90	136.35	155.91	137.99
2/12/2024 03:00:26	285.28	227.36	279.43	225.04	127.02	254.99	148.19	239.64	183.10	136.48	156.14	138.09
2/12/2024 03:01:26	285.62	227.59	279.72	225.25	127.18	255.10	148.34	239.77	183.26	136.61	156.29	138.19
2/12/2024 03:02:25	285.70	227.74	279.81	225.39	127.30	255.20	148.43	239.88	183.37	136.68	156.41	138.26
2/12/2024 03:03:24	286.04	227.98	280.10	225.61	127.46	255.28	148.57	240.01	183.54	136.80	156.57	138.36
2/12/2024 03:04:24	286.21	228.10	280.27	225.75	127.62	255.45	148.74	240.19	183.71	136.96	156.74	138.51
2/12/2024 03:05:24	286.06	228.32	280.14	225.95	127.73	255.36	148.83	240.18	183.81	137.02	156.87	138.55
2/12/2024 03:06:23	286.13	228.47	280.22	226.09	127.93	255.45	148.99	240.29	183.93	137.17	157.02	138.67
2/12/2024 03:07:23	286.44	228.62	280.47	226.22	128.03	255.48	149.05	240.34	184.07	137.22	157.08	138.70
2/12/2024 03:08:23	286.58	228.78	280.62	226.38	128.19	255.61	149.18	240.48	184.23	137.32	157.25	138.78
2/12/2024 03:09:22	286.79	228.94	280.80	226.53	128.34	255.67	149.29	240.57	184.35	137.41	157.36	138.83
2/12/2024 03:10:22	287.06	229.12	281.05	226.71	128.51	255.81	149.45	240.72	184.51	137.55	157.52	138.95
2/12/2024 03:11:23	287.24	229.28	281.22	226.86	128.69	255.92	149.55	240.84	184.64	137.65	157.64	139.02
2/12/2024 03:12:22	287.62	229.57	281.57	227.13	128.97	256.15	149.78	241.07	184.88	137.85	157.89	139.20
2/12/2024 03:13:21	287.77	229.69	281.69	227.24	129.08	256.21	149.86	241.14	184.98	137.91	157.97	139.23
2/12/2024 03:14:21	287.87	229.80	281.79	227.35	129.18	256.26	149.94	241.21	185.07	137.96	158.06	139.25
2/12/2024 03:15:20	288.11	230.00	282.01	227.54	129.35	256.41	150.06	241.36	185.23	138.06	158.22	139.33
2/12/2024 03:16:20	288.42	230.30	282.31	227.83	129.63	256.65	150.34	241.62	185.52	138.31	158.51	139.54
2/12/2024 03:17:20	288.44	230.32	282.33	227.85	129.62	256.62	150.30	241.60	185.52	138.26	158.50	139.45
2/12/2024 03:18:20	288.60	230.47	282.47	227.99	129.75	256.73	150.43	241.73	185.66	138.34	158.64	139.48
2/12/2024 03:19:19	288.83	230.75	282.71	228.26	130.03	257.01	150.67	242.00	185.91	138.55	158.88	139.66
2/12/2024 03:20:18	289.06	230.93	282.93	228.45	130.20	257.18	150.86	242.17	186.12	138.71	159.09	139.76
2/12/2024 03:21:18	289.15	231.06	283.02	228.58	130.24	257.28	150.87	242.28	186.24	138.68	159.20	139.73
2/12/2024 03:22:18	289.38	231.27	283.23	228.78	130.42	257.39	151.06	242.43	186.44	138.84	159.40	139.84
2/12/2024 03:23:17	289.42	231.38	283.27	228.89	130.43	257.43	150.98	242.49	186.55	138.72	159.49	139.70
2/12/2024 03:24:17	289.55	231.56	283.40	229.06	130.57	257.47	151.14	242.58	186.71	138.85	159.66	139.79
2/12/2024 03:25:16	289.59	231.75	283.45	229.25	130.62	257.58	151.13	242.72	186.90	138.80	159.85	139.76
2/12/2024 03:26:17	289.78	231.96	283.64	229.46	131.26	257.77	151.88	242.93	187.13	139.54	160.04	140.12
2/12/2024 03:27:16	289.81	232.10	283.66	229.59	130.32	257.75	150.52	242.96	187.28	138.07	160.17	139.34
2/12/2024 03:28:15	290.10	232.27	283.90	229.75	129.72	257.73	149.65	243.00	187.43	137.12	160.32	138.80
2/12/2024 03:29:15	290.02	232.45	283.85	229.92	129.41	257.79	149.12	243.10	187.64	136.53	160.50	138.53
2/12/2024 03:30:15	289.84	232.61	283.70	230.08	129.63	257.77	149.41	243.15	187.79	136.79	160.61	138.71
2/12/2024 03:31:14	289.87	232.81	283.73	230.26	129.43	257.70	149.09	243.18	188.05	136.40	160.92	138.47
2/12/2024 03:32:13	289.53	233.23	283.47	230.65	129.87	257.73	149.48	243.32	188.54	136.70	161.45	138.69
2/12/2024 03:33:14	289.59	233.37	283.54	230.80	130.13	257.88	149.79	243.49	188.82	136.96	161.84	138.81

2/12/2024 03:34:13	289.69	233.44	283.62	230.87	130.24	257.92	149.90	243.54	189.03	137.01	162.13	138.64
2/12/2024 03:35:13	289.98	233.73	283.68	231.14	130.60	257.98	150.26	243.66	189.31	137.33	162.48	139.05
2/12/2024 03:36:12	289.82	233.89	283.75	231.28	130.79	258.00	150.49	243.72	189.53	137.50	162.70	139.20
2/12/2024 03:37:12	290.04	234.13	283.96	231.53	131.12	258.14	150.84	243.91	189.90	137.80	163.30	139.39
2/12/2024 03:38:12	290.13	234.47	284.00	231.87	131.36	257.89	151.10	243.91	190.24	138.01	163.69	139.58
2/12/2024 03:39:12	290.37	234.82	284.22	232.25	131.63	257.96	151.40	244.16	190.60	138.28	164.00	139.82
2/12/2024 03:40:12	290.17	235.09	284.01	232.52	131.87	257.60	151.63	244.09	190.88	138.47	164.34	139.98
2/12/2024 03:41:12	290.17	235.70	284.04	233.21	132.23	257.68	152.01	244.51	191.44	138.80	164.64	140.26
2/12/2024 03:42:11	290.16	235.81	284.03	233.33	132.38	257.61	152.14	244.57	191.55	138.92	164.68	140.32
2/12/2024 03:43:11	290.25	236.12	284.13	233.72	132.53	257.71	152.29	244.88	191.83	139.06	164.79	140.43
2/12/2024 03:44:10	290.57	236.52	284.43	234.13	132.91	257.93	152.66	245.20	192.19	139.39	165.11	140.72
2/12/2024 03:45:10	290.73	236.81	284.60	234.38	133.16	258.13	152.91	245.37	192.33	139.63	165.18	140.89
2/12/2024 03:46:10	290.96	237.05	284.82	234.63	133.55	258.27	153.25	245.58	192.59	139.95	165.42	141.13
2/12/2024 03:47:10	290.71	237.25	284.60	234.81	133.76	258.17	153.46	245.57	192.70	140.13	165.47	141.25
2/12/2024 03:48:10	290.41	237.65	284.36	235.20	134.19	258.08	153.87	245.68	193.05	140.51	165.80	141.56
2/12/2024 03:49:10	290.42	237.91	284.37	235.43	134.51	258.08	154.18	245.75	193.26	140.80	165.95	141.79
2/12/2024 03:50:09	290.26	238.15	284.24	235.64	134.75	258.02	154.40	245.77	193.41	141.01	166.10	141.93
2/12/2024 03:51:08	289.86	238.19	283.86	235.68	134.92	257.88	154.58	245.60	193.50	141.18	166.21	142.07
2/12/2024 03:52:08	289.51	237.96	283.54	235.46	134.79	257.43	154.98	245.37	193.36	141.12	166.11	142.02
2/12/2024 03:53:08	289.78	238.31	283.73	235.77	135.17	257.28	154.84	245.36	193.63	141.43	166.34	142.30
2/12/2024 03:54:08	289.59	238.37	283.54	235.85	135.31	257.01	154.99	245.28	193.78	141.55	166.49	142.41
2/12/2024 03:55:07	289.67	238.53	283.80	236.01	135.46	256.95	155.13	245.31	193.92	141.67	166.61	142.52
2/12/2024 03:56:07	289.86	238.70	283.78	236.16	136.59	257.11	155.23	245.45	194.04	141.76	166.71	142.60
2/12/2024 03:57:06	290.06	238.93	283.96	236.38	135.77	257.22	155.41	245.58	194.24	141.92	166.87	142.75
2/12/2024 03:58:06	290.36	239.19	284.28	236.63	136.05	257.53	155.68	245.86	194.49	142.17	167.11	143.00
2/12/2024 03:59:05	290.45	239.28	284.32	236.69	136.11	257.43	155.75	245.79	194.52	142.22	167.15	143.03
2/12/2024 04:00:05	290.55	239.35	284.43	236.76	136.17	257.57	155.82	245.89	194.61	142.26	167.24	143.05
2/12/2024 04:01:05	290.82	239.56	284.67	236.96	136.37	257.75	156.02	246.07	194.83	142.44	167.44	143.20
2/12/2024 04:02:04	291.13	239.85	284.98	237.23	136.86	258.02	156.32	246.32	195.10	142.71	167.72	143.45
2/12/2024 04:03:04	291.36	240.06	285.20	237.42	136.79	258.21	156.44	246.50	195.27	142.80	167.86	143.52
2/12/2024 04:04:03	291.60	240.22	285.43	237.58	136.97	258.38	156.64	246.65	195.46	142.97	168.04	143.64
2/12/2024 04:05:03	291.87	240.53	285.70	237.88	137.24	258.62	156.90	246.90	195.74	143.19	168.29	143.83
2/12/2024 04:06:03	292.09	240.72	285.91	238.06	137.41	258.79	157.09	247.08	195.95	143.36	168.48	143.95
2/12/2024 04:07:02	292.30	240.94	286.10	238.28	137.55	258.93	157.24	247.24	196.15	143.46	168.65	144.04
2/12/2024 04:08:02	292.66	241.22	286.46	238.55	137.76	259.26	157.41	247.52	196.36	143.62	168.80	144.14
2/12/2024 04:09:01	292.85	241.42	286.63	238.75	137.90	259.40	157.55	247.70	196.58	143.71	168.98	144.19
2/12/2024 04:10:01	293.08	241.70	286.84	239.01	138.09	259.49	157.73	247.84	196.81	143.86	169.17	144.29
2/12/2024 04:11:01	293.37	242.00	287.13	239.31	138.27	259.73	157.91	248.12	197.09	143.99	169.39	144.40
2/12/2024 04:12:00	293.68	242.33	287.42	239.64	138.51	259.86	158.13	248.37	197.39	144.14	169.62	144.48
2/12/2024 04:12:59	290.77	242.57	287.53	239.88	138.72	260.11	158.31	248.56	197.63	144.26	169.83	144.53
2/12/2024 04:13:59	293.75	242.83	287.50	240.12	138.87	260.00	158.52	248.60	197.87	144.46	170.01	144.66
2/12/2024 04:14:59	293.90	243.18	287.64	240.48	139.11	260.03	158.76	248.79	198.21	144.62	170.28	144.78
2/12/2024 04:15:59	293.98	243.52	287.32	240.81	139.32	259.94	158.93	248.86	198.54	144.73	170.48	144.81
2/12/2024 04:16:58	292.43	244.02	286.46	241.32	139.87	259.89	159.53	249.07	199.00	145.25	170.83	145.11

2/12/2024 04:17:58	292.39	244.32	286.43	241.62	140.12	259.82	159.79	249.16	199.27	145.47	171.01	145.26
2/12/2024 04:18:57	292.38	244.67	286.44	242.00	140.31	259.92	159.95	249.42	199.64	145.59	171.17	145.32
2/12/2024 04:19:57	292.11	244.96	286.18	242.31	140.74	259.02	160.47	249.43	199.97	146.05	171.25	145.59
2/12/2024 04:20:56	292.53	245.33	286.54	242.69	142.51	259.67	162.85	249.62	200.37	148.45	171.45	146.89
2/12/2024 04:21:55	292.32	245.58	286.28	242.98	142.71	259.09	163.00	249.48	200.71	148.55	171.53	146.96
2/12/2024 04:22:55	292.46	245.85	286.36	243.26	142.85	258.84	163.15	249.48	201.00	148.64	171.58	147.01
2/12/2024 04:23:54	292.71	246.08	286.60	243.50	143.26	259.04	163.43	249.70	201.33	148.90	171.67	147.14
2/12/2024 04:24:54	293.20	246.43	287.03	243.86	143.69	259.21	163.87	249.97	201.69	149.27	171.93	147.42
2/12/2024 04:25:54	293.40	246.64	287.23	244.09	143.88	259.36	163.92	250.17	202.02	149.23	172.18	147.38
2/12/2024 04:26:54	293.72	246.97	287.50	244.39	144.07	259.44	164.02	250.31	202.28	149.29	172.34	147.46
2/12/2024 04:27:53	293.87	247.14	287.65	244.56	144.09	259.53	163.94	250.44	202.46	149.17	172.46	147.38
2/12/2024 04:28:53	294.01	247.27	287.76	244.70	144.23	259.54	164.02	250.52	202.66	149.21	172.61	147.41
2/12/2024 04:29:52	294.31	247.52	288.05	244.94	144.37	259.77	164.14	250.74	202.90	149.31	172.85	147.54
2/12/2024 04:30:52	294.40	247.69	288.12	245.10	144.51	259.70	164.25	250.76	203.07	149.38	172.99	147.66
2/12/2024 04:31:51	294.68	247.88	288.37	245.30	144.63	259.88	164.36	250.97	203.32	149.46	173.26	147.77
2/12/2024 04:32:51	294.90	248.07	288.57	245.49	144.77	260.01	164.48	251.10	203.51	149.55	173.43	147.84
2/12/2024 04:33:50	295.25	248.23	288.90	245.64	144.83	260.18	164.51	251.26	203.68	149.55	173.58	147.86
2/12/2024 04:34:49	295.36	248.33	288.99	245.74	144.87	260.21	164.51	251.32	203.79	149.54	173.71	147.87
2/12/2024 04:35:50	295.64	248.52	289.25	245.91	144.99	260.41	164.61	251.49	203.98	149.60	173.89	147.93
2/12/2024 04:36:49	295.88	248.68	289.47	246.06	145.02	260.51	164.59	251.60	204.10	149.56	174.01	147.92
2/12/2024 04:37:48	296.24	248.94	289.81	246.31	145.17	260.82	164.70	251.87	204.36	149.66	174.29	148.06
2/12/2024 04:38:48	296.50	249.13	290.06	246.50	145.23	260.98	164.72	252.03	204.54	149.64	174.47	148.09
2/12/2024 04:39:47	296.71	249.29	290.26	246.65	145.21	261.14	164.68	252.18	204.67	149.60	174.62	148.09
2/12/2024 04:40:46	296.92	249.54	290.45	246.88	145.34	261.28	164.78	252.34	204.89	149.65	174.86	148.18
2/12/2024 04:41:46	297.02	249.69	290.56	247.03	145.47	261.40	164.89	252.46	205.06	149.74	175.07	148.29
2/12/2024 04:42:47	297.28	249.83	290.79	247.15	145.50	261.55	164.91	252.59	205.17	149.75	175.19	148.30
2/12/2024 04:43:46	297.41	249.98	290.94	247.30	145.60	261.77	164.98	252.77	205.29	149.82	175.33	148.39
2/12/2024 04:44:45	297.49	250.14	291.02	247.45	145.68	261.81	164.99	252.85	205.39	149.80	175.42	148.35
2/12/2024 04:45:45	297.81	250.30	291.32	247.61	145.75	262.06	165.13	253.06	205.55	149.96	175.58	148.51
2/12/2024 04:46:45	297.91	250.55	291.42	247.84	145.88	262.15	165.26	253.19	205.73	150.06	175.75	148.59
2/12/2024 04:47:45	298.15	250.76	291.65	248.05	146.09	262.33	165.47	253.38	205.94	150.30	175.96	148.79
2/12/2024 04:48:45	298.28	250.96	291.78	248.25	146.23	262.44	165.61	253.52	206.11	150.39	176.11	148.87
2/12/2024 04:49:45	298.24	251.03	291.76	248.31	146.33	262.45	165.70	253.55	206.18	150.47	176.16	148.91
2/12/2024 04:50:44	298.60	251.27	292.08	248.55	146.50	262.87	165.88	253.77	206.39	150.63	176.37	149.06
2/12/2024 04:51:44	298.78	251.50	292.26	248.77	146.67	262.77	166.05	253.90	206.57	150.81	176.53	149.20
2/12/2024 04:52:43	299.12	251.73	292.57	248.99	146.79	262.96	166.18	254.10	206.75	150.90	176.68	149.28
2/12/2024 04:53:43	299.39	252.02	292.82	249.26	147.04	263.16	166.41	254.32	206.99	151.13	176.89	149.45
2/12/2024 04:54:42	299.48	252.18	292.90	249.40	147.12	263.14	166.48	254.34	207.09	151.15	176.97	149.43
2/12/2024 04:55:43	299.56	252.29	292.97	249.51	147.21	263.13	166.57	254.37	207.17	151.26	177.04	149.48
2/12/2024 04:56:43	299.93	252.54	293.29	249.73	147.38	263.25	166.74	254.52	207.35	151.30	177.18	149.51
2/12/2024 04:57:43	300.55	252.80	293.85	250.09	147.67	263.54	167.01	254.82	207.66	151.52	177.43	149.63
2/12/2024 04:58:43	300.80	253.09	294.06	250.26	147.82	263.59	167.17	254.91	207.80	151.52	177.57	149.64
2/12/2024 04:59:43	301.01	253.20	294.24	250.37	147.96	263.60	167.28	254.96	207.91	151.53	177.65	149.64
2/12/2024 05:00:42	301.39	253.48	294.58	250.62	148.08	263.78	167.41	255.15	208.09	151.59	177.80	149.68

2/12/2024 05:01:43	301.87	253.74	294.97	250.86	148.29	263.70	167.58	255.17	208.26	151.82	177.93	149.81
2/12/2024 05:02:42	302.32	253.90	295.32	251.01	148.39	263.59	167.67	255.17	208.39	151.88	178.02	149.78
2/12/2024 05:03:42	302.53	254.14	295.52	251.25	148.58	263.79	167.87	255.38	208.60	152.02	178.19	149.83
2/12/2024 05:04:41	302.76	254.42	295.75	251.54	148.84	263.98	168.10	255.63	208.89	152.19	178.40	149.91
2/12/2024 05:05:41	303.25	254.78	296.03	251.85	149.08	263.23	168.28	255.27	209.08	152.44	178.49	150.03
2/12/2024 05:06:41	303.45	254.86	296.11	251.92	149.20	262.76	168.40	255.05	209.16	152.51	178.53	150.00
2/12/2024 05:07:40	303.74	255.10	296.33	252.19	149.39	262.61	168.61	255.11	209.42	152.67	178.70	150.13
2/12/2024 05:08:39	304.00	255.46	296.52	252.52	149.62	262.37	168.71	255.09	209.65	152.82	178.78	150.21
2/12/2024 05:09:40	304.00	255.56	296.47	252.64	149.79	262.10	168.94	255.00	209.77	153.03	178.75	150.24
2/12/2024 05:10:40	304.30	255.57	296.69	252.70	149.90	261.98	169.08	255.02	209.91	153.17	178.77	150.33
2/12/2024 05:11:40	304.28	256.02	296.70	253.14	150.28	262.03	169.47	255.25	210.26	153.51	178.84	150.49
2/12/2024 05:12:39	304.36	256.11	296.80	253.26	150.44	262.25	169.62	255.45	210.42	153.66	178.81	150.56
2/12/2024 05:13:39	304.68	256.37	297.12	253.51	150.93	262.61	170.18	255.75	210.67	154.23	178.98	150.89
2/12/2024 05:14:39	304.80	256.62	297.25	253.78	151.18	262.80	170.48	255.94	210.91	154.46	179.10	151.00
2/12/2024 05:15:38	305.24	256.97	297.66	254.24	151.64	263.11	170.96	256.50	211.41	154.98	179.37	151.36
2/12/2024 05:16:38	305.11	256.99	297.56	254.31	151.98	268.03	171.37	256.57	211.66	155.39	179.43	151.55
2/12/2024 05:17:38	305.67	257.41	298.11	254.74	152.38	263.54	171.79	257.05	212.03	155.79	179.75	151.84
2/12/2024 05:18:37	306.03	257.54	298.48	254.76	152.76	263.99	172.24	257.17	212.13	156.23	179.96	152.12
2/12/2024 05:19:37	306.23	257.55	298.66	254.92	152.87	264.13	172.36	257.52	212.45	156.36	180.09	152.21
2/12/2024 05:20:36	306.14	257.77	298.59	255.10	153.04	264.14	172.51	257.53	212.70	156.44	180.26	152.25
2/12/2024 05:21:36	306.41	257.97	298.85	255.34	153.30	264.40	172.79	257.84	213.02	156.72	180.50	152.44
2/12/2024 05:22:35	306.56	258.35	299.02	255.76	153.54	264.56	173.00	258.16	213.44	156.88	180.82	152.57
2/12/2024 05:23:35	306.98	258.82	299.43	256.31	153.97	264.92	173.45	258.71	214.07	157.32	181.25	152.88
2/12/2024 05:24:35	307.33	259.17	299.76	256.67	154.08	265.16	173.53	259.01	214.35	157.36	181.43	152.91
2/12/2024 05:25:35	307.56	259.60	300.00	257.13	154.25	265.40	173.69	259.39	214.74	157.50	181.66	153.02
2/12/2024 05:26:35	308.03	260.22	300.46	257.71	154.54	265.76	173.98	259.80	215.23	157.70	182.08	153.20
2/12/2024 05:27:34	308.41	260.65	300.83	258.12	154.93	266.09	174.38	260.15	215.80	158.06	182.59	153.48
2/12/2024 05:28:34	308.74	261.18	301.15	258.62	155.06	266.29	174.51	260.44	216.10	158.15	182.74	153.54
2/12/2024 05:29:34	309.13	261.71	301.52	259.05	155.36	266.52	174.81	260.63	216.47	158.40	183.11	153.72
2/12/2024 05:30:33	309.46	262.07	301.85	259.41	155.45	266.85	174.87	260.98	216.77	158.41	183.27	153.71
2/12/2024 05:31:32	309.79	262.54	302.18	259.86	155.73	267.15	175.17	261.31	217.30	158.61	183.68	153.86
2/12/2024 05:32:33	309.95	262.74	302.35	260.06	155.80	267.35	175.21	261.51	217.48	158.64	183.71	153.86
2/12/2024 05:33:32	310.56	263.27	302.94	260.55	156.12	267.88	175.50	261.98	217.99	158.88	184.06	154.03
2/12/2024 05:34:31	310.56	263.37	302.94	260.66	156.16	267.86	175.55	262.04	218.24	158.86	184.17	153.98
2/12/2024 05:35:32	310.81	263.78	303.19	261.03	156.38	268.14	175.79	262.29	218.57	159.05	184.27	154.09
2/12/2024 05:36:32	311.15	264.13	303.54	261.37	156.52	268.55	175.93	262.65	218.91	159.10	184.57	154.17
2/12/2024 05:37:32	311.37	264.39	303.76	261.60	156.61	268.74	175.99	262.83	219.21	159.13	184.56	154.15
2/12/2024 05:38:32	311.61	264.65	304.02	261.65	156.73	269.11	176.10	263.13	219.49	159.19	184.75	154.19
2/12/2024 05:39:32	311.96	264.93	304.38	262.13	157.08	269.54	176.40	263.50	219.82	159.49	185.03	154.44
2/12/2024 05:40:32	312.13	265.12	304.57	262.30	157.26	269.86	176.37	263.72	220.00	159.42	185.10	154.37
2/12/2024 05:41:31	312.31	265.24	304.77	262.42	157.31	270.17	176.35	263.95	220.21	159.33	185.22	154.27
2/12/2024 05:42:30	312.38	265.28	304.87	262.45	157.55	270.34	176.07	264.04	220.25	159.00	185.22	154.03
2/12/2024 05:43:31	312.58	265.43	305.07	262.59	157.57	270.63	175.97	264.26	220.44	158.88	185.38	153.95
2/12/2024 05:44:30	312.95	265.80	305.46	262.77	157.94	271.16	176.32	264.63	220.60	159.25	185.53	154.20

2/12/2024 05:45:30	313.08	265.73	305.59	262.89	157.80	271.33	176.00	264.78	220.76	158.90	185.66	154.03
2/12/2024 05:46:29	313.11	265.70	305.65	262.86	157.66	271.50	175.93	264.88	220.80	158.83	185.68	153.96
2/12/2024 05:47:29	313.31	265.83	305.84	262.98	157.13	271.65	175.05	264.98	220.86	157.94	186.70	153.44
2/12/2024 05:48:28	313.27	265.83	305.81	262.98	157.27	271.69	175.39	265.00	220.92	158.25	185.76	153.56
2/12/2024 05:49:28	313.21	265.79	305.76	262.97	157.08	271.66	175.11	265.02	220.92	157.99	185.75	153.41
2/12/2024 05:50:28	313.64	266.18	306.18	263.32	157.34	272.06	175.28	265.34	221.19	158.10	185.99	153.48
2/12/2024 05:51:27	313.88	266.36	306.42	263.49	157.51	272.30	175.39	265.55	221.32	158.19	186.13	153.56
2/12/2024 05:52:26	314.32	266.74	306.85	263.86	157.86	272.71	175.73	265.93	221.66	158.53	186.45	153.85
2/12/2024 05:53:25	314.59	266.95	307.12	264.07	158.07	272.99	176.00	266.18	221.84	158.74	186.65	154.02
2/12/2024 05:54:26	314.65	267.00	307.17	264.12	158.03	273.02	176.05	266.21	221.88	158.75	186.70	153.99
2/12/2024 05:55:25	314.99	267.22	307.48	264.31	158.17	273.20	176.18	266.37	222.00	158.88	186.81	154.08
2/12/2024 05:56:24	315.05	267.29	307.53	264.38	158.13	273.15	176.20	266.36	222.04	158.85	186.87	154.02
2/12/2024 05:57:25	315.40	267.45	307.84	264.53	158.22	273.27	176.29	266.49	222.17	159.02	187.02	154.14
2/12/2024 05:58:24	315.64	267.60	308.03	264.65	158.17	273.27	176.24	266.52	222.24	158.57	187.07	153.81
2/12/2024 05:59:23	316.23	267.96	308.57	264.99	158.40	273.56	176.46	266.80	222.49	158.82	187.32	154.03
2/12/2024 06:00:23	317.28	268.33	309.44	265.32	158.55	273.66	176.63	266.95	222.72	158.96	187.53	154.13
2/12/2024 06:01:23	317.92	268.68	309.96	265.62	158.66	273.64	176.74	267.00	222.88	159.02	187.68	154.19
2/12/2024 06:02:22	318.52	269.07	310.47	265.96	158.71	273.71	176.85	267.13	223.08	159.12	187.86	154.26
2/12/2024 06:03:22	318.94	269.37	310.77	266.20	158.81	273.46	176.99	267.03	223.21	159.22	187.98	154.33
2/12/2024 06:04:22	319.45	269.93	311.13	266.67	158.88	273.03	177.04	268.88	223.43	159.25	188.19	154.37
2/12/2024 06:05:22	319.60	270.44	311.19	267.11	159.02	272.57	177.27	266.73	223.70	159.45	188.43	154.53
2/12/2024 06:06:21	319.74	270.60	311.30	267.26	159.09	272.56	177.42	266.79	223.87	159.82	188.59	154.62
2/12/2024 06:07:21	320.07	270.95	311.59	267.56	159.20	272.63	177.61	266.89	224.05	159.81	188.75	154.76
2/12/2024 06:08:20	320.13	271.23	311.69	267.81	159.19	272.89	177.67	267.10	224.21	159.86	188.87	154.75
2/12/2024 06:09:19	320.32	271.36	311.85	267.92	159.23	272.92	177.79	267.13	224.29	159.97	188.93	154.80
2/12/2024 06:10:19	320.45	271.59	311.99	268.09	159.08	273.08	177.70	267.23	224.35	159.88	188.96	154.69
2/12/2024 06:11:19	320.78	271.97	312.31	268.42	159.28	273.41	177.97	267.51	224.63	160.13	189.23	154.92
2/12/2024 06:12:19	320.97	272.25	312.52	268.68	159.37	273.65	178.00	267.72	224.87	160.14	189.41	154.95
2/12/2024 06:13:19	321.37	272.50	312.89	268.88	159.45	273.86	178.14	267.86	225.02	160.28	189.58	155.10
2/12/2024 06:14:18	321.51	272.81	313.05	269.15	159.54	274.14	178.17	268.08	225.29	160.29	189.79	155.12
2/12/2024 06:15:17	321.68	272.92	313.21	269.21	159.50	274.23	178.14	268.10	225.40	160.22	189.87	155.06
2/12/2024 06:16:18	321.98	273.23	313.50	269.42	159.49	274.49	178.07	268.22	225.57	160.11	190.03	155.01
2/12/2024 06:17:17	322.14	273.32	313.66	269.46	159.46	274.67	178.01	268.29	225.69	160.00	190.15	154.96
2/12/2024 06:18:17	322.45	273.42	313.97	269.52	159.38	274.97	177.90	268.42	225.42	159.99	189.90	154.96
2/12/2024 06:19:16	322.74	273.92	314.25	269.82	158.66	275.18	177.08	268.43	222.82	159.95	187.58	154.95
2/12/2024 06:20:16	323.20	274.00	314.68	269.92	158.73	275.56	177.11	268.71	222.94	159.96	187.64	154.98
2/12/2024 06:21:18	323.56	274.24	315.04	270.12	158.75	275.91	177.07	268.94	222.99	159.93	187.67	155.00
2/12/2024 06:22:15	324.11	274.40	315.54	270.25	158.93	276.26	177.28	269.17	223.28	160.06	187.93	155.09
2/12/2024 06:23:14	323.65	271.89	315.10	268.47	158.95	276.50	177.35	269.37	223.52	160.09	188.09	155.09
2/12/2024 06:24:14	324.05	272.29	315.47	268.76	158.93	276.71	177.41	269.49	223.69	160.07	188.22	155.05
2/12/2024 06:25:14	324.33	272.36	315.74	268.86	159.04	276.97	177.56	269.72	224.00	160.16	188.46	155.11
2/12/2024 06:26:13	324.53	272.35	315.94	268.87	159.03	277.15	177.66	269.85	224.28	160.15	188.68	155.07
2/12/2024 06:27:13	324.88	272.48	316.28	269.03	159.21	277.49	177.88	270.15	224.70	160.31	189.04	155.18
2/12/2024 06:28:13	325.34	272.45	316.73	269.06	159.55	277.82	178.29	270.44	225.25	160.62	189.54	155.45

2/12/2024 06:29:13	325.63	272.57	317.01	269.21	159.76	278.08	178.51	270.69	225.74	160.73	189.99	155.54
2/12/2024 06:30:12	325.94	272.87	317.31	269.45	159.94	278.28	178.72	270.84	226.18	160.82	190.38	155.61
2/12/2024 06:31:12	326.20	273.17	317.55	269.71	160.06	278.41	178.86	270.98	226.64	160.85	190.76	155.62
2/12/2024 06:32:11	326.48	273.69	317.83	270.13	160.20	278.59	178.93	271.16	227.10	160.79	191.17	155.60
2/12/2024 06:33:10	326.84	274.30	318.18	270.65	160.28	278.80	178.97	271.39	227.58	160.70	191.56	155.56
2/12/2024 06:34:11	326.95	274.75	318.28	271.01	160.24	278.82	178.83	271.45	227.88	160.47	191.79	155.40
2/12/2024 06:35:10	327.18	275.22	318.49	271.40	160.36	278.87	178.89	271.56	228.36	160.40	192.23	155.41
2/12/2024 06:36:10	327.34	275.46	318.62	271.61	160.31	278.85	178.75	271.60	228.73	160.13	192.53	155.23
2/12/2024 06:37:09	327.50	275.62	318.77	271.79	160.46	278.92	178.87	271.73	229.16	160.15	192.89	155.27
2/12/2024 06:38:08	327.64	275.87	318.89	272.03	160.42	278.93	178.74	271.84	229.28	159.96	192.91	155.12
2/12/2024 06:39:09	327.84	276.14	319.07	272.32	160.68	278.99	178.97	272.03	229.67	160.09	193.21	155.25
2/12/2024 06:40:08	328.00	276.48	319.24	272.66	160.75	279.19	178.98	272.29	229.80	160.10	193.24	155.26
2/12/2024 06:41:07	328.17	276.71	319.37	272.90	160.89	279.07	179.07	272.34	229.93	160.16	193.26	155.28
2/12/2024 06:42:07	328.17	277.01	319.38	273.18	160.92	279.14	179.08	272.48	229.59	160.30	192.89	155.38
2/12/2024 06:43:07	327.96	277.09	319.19	273.28	161.21	278.94	179.38	272.43	230.03	160.46	193.25	155.49
2/12/2024 06:44:06	327.79	277.33	319.07	273.54	161.22	279.04	179.39	272.62	229.75	160.60	192.88	155.58
2/12/2024 06:45:05	327.47	277.33	318.84	273.60	161.60	279.15	179.75	272.79	230.06	160.93	193.12	155.83
2/12/2024 06:46:05	327.05	276.85	318.52	273.32	161.61	279.35	179.76	273.03	229.91	161.01	192.86	155.88
2/12/2024 06:47:04	327.08	276.89	318.59	273.27	161.92	279.54	179.90	273.26	229.92	161.20	192.76	155.99
2/12/2024 06:48:03	327.11	276.61	318.63	273.34	162.94	279.68	179.91	273.56	229.95	161.24	192.58	155.97
2/12/2024 06:49:02	327.08	276.50	318.63	273.27	162.90	279.83	179.98	273.68	229.92	161.33	192.53	156.02
2/12/2024 06:50:02	327.19	276.53	318.75	273.39	162.89	280.03	179.89	273.94	229.95	161.26	192.41	155.93
2/12/2024 06:51:02	327.24	276.54	318.82	273.47	163.01	280.23	180.03	274.16	230.04	161.38	192.43	156.01
2/12/2024 06:52:01	327.32	276.44	318.93	273.57	162.93	280.51	179.83	274.61	230.25	161.18	192.36	155.85
2/12/2024 06:53:01	327.49	276.57	319.10	273.74	162.90	280.76	179.69	274.87	230.48	160.94	192.52	155.73
2/12/2024 06:54:00	327.60	276.54	319.23	273.85	162.84	280.98	179.55	275.22	230.82	160.73	192.70	155.61
2/12/2024 06:55:00	327.76	276.68	319.40	273.94	162.58	281.24	179.08	275.34	230.80	160.22	192.70	155.33
2/12/2024 06:56:00	327.99	276.89	319.64	274.14	162.51	281.53	178.89	275.57	230.94	159.97	192.81	155.19
2/12/2024 06:56:59	328.27	277.15	319.93	274.33	162.42	281.87	178.73	275.76	230.97	159.77	192.85	155.08
2/12/2024 06:57:59	328.45	277.27	320.13	274.53	162.49	282.18	178.75	276.12	231.22	159.76	192.98	155.08
2/12/2024 06:58:58	328.64	277.36	320.33	274.72	162.63	282.48	178.87	276.49	231.51	159.85	193.14	155.15
2/12/2024 06:59:58	328.88	277.45	320.58	274.86	162.74	282.85	178.99	276.82	231.72	159.95	193.28	155.21
2/12/2024 07:00:58	329.22	277.88	320.93	275.03	162.86	283.20	179.11	277.01	231.83	160.04	193.42	155.30
2/12/2024 07:01:57	329.38	277.87	321.09	275.20	162.98	283.41	179.23	277.18	231.91	160.17	193.48	155.37
2/12/2024 07:02:57	329.68	278.16	321.59	275.43	163.17	283.97	179.44	277.53	232.10	160.36	193.67	155.52
2/12/2024 07:03:56	330.12	278.15	321.86	275.44	163.26	284.43	179.54	277.80	232.15	160.48	193.70	155.59
2/12/2024 07:04:55	330.51	278.18	322.26	275.49	163.45	284.94	179.75	278.14	232.30	160.70	193.84	155.77
2/12/2024 07:05:55	331.02	278.39	322.74	275.62	163.63	285.31	179.95	278.30	232.34	160.93	193.93	155.94
2/12/2024 07:06:55	331.77	278.33	323.44	275.53	163.76	285.94	180.12	278.57	232.30	161.12	193.96	156.09
2/12/2024 07:07:54	332.56	278.29	324.15	275.46	163.85	286.41	180.28	278.77	232.29	161.30	193.99	156.21
2/12/2024 07:08:54	333.44	278.26	324.93	275.44	164.07	286.97	180.47	279.06	232.31	161.51	194.03	156.35
2/12/2024 07:09:53	333.88	277.84	325.36	275.24	164.33	287.66	180.68	279.62	232.57	161.72	194.18	156.40
2/12/2024 07:10:52	334.26	277.87	325.74	275.24	164.52	288.12	180.83	279.83	232.58	161.87	194.22	156.56
2/12/2024 07:11:53	334.56	278.14	326.03	275.60	164.86	288.41	181.07	280.27	233.01	162.05	194.48	156.69

2/12/2024 07:12:53	334.90	278.39	326.44	275.85	165.30	289.12	181.38	280.77	233.27	162.36	194.69	156.90
2/12/2024 07:13:52	335.27	278.85	326.84	276.28	165.91	289.69	181.75	281.23	233.63	162.69	191.98	157.13
2/12/2024 07:14:51	335.81	279.35	327.48	276.70	166.29	290.86	182.10	281.97	233.89	163.00	195.21	157.33
2/12/2024 07:15:51	336.23	279.72	327.92	277.09	166.66	291.41	182.45	282.49	234.33	163.30	195.56	157.53
2/12/2024 07:16:52	336.66	280.06	328.44	277.38	166.93	292.45	182.70	283.15	234.57	163.52	195.74	157.63
2/12/2024 07:17:52	336.96	280.36	328.77	277.70	167.14	292.90	182.88	283.56	234.88	163.64	195.91	157.68
2/12/2024 07:18:51	337.44	280.62	329.29	277.93	167.20	293.68	182.93	284.04	235.10	163.65	196.04	157.64
2/12/2024 07:19:51	337.97	281.10	329.84	278.37	167.44	294.35	183.12	284.58	235.62	163.73	196.39	157.64
2/12/2024 07:20:50	338.63	281.47	330.48	278.56	167.16	294.89	182.61	284.74	235.77	163.11	198.56	157.30
2/12/2024 07:21:49	339.37	281.70	331.16	278.52	167.21	295.40	182.59	284.67	236.09	162.94	197.07	157.21
2/12/2024 07:22:48	340.37	282.11	332.04	278.56	167.78	295.75	183.11	284.42	237.91	162.81	199.03	157.17
2/12/2024 07:23:48	341.12	282.72	332.73	278.93	167.93	296.17	183.17	284.52	238.26	162.74	199.41	157.14
2/12/2024 07:24:48	341.07	280.56	332.63	277.43	168.26	296.50	183.55	284.83	238.74	163.00	199.83	157.34
2/12/2024 07:25:48	341.46	281.34	332.98	278.07	168.35	296.84	183.74	285.01	239.07	163.12	200.06	157.39
2/12/2024 07:26:47	341.97	282.32	333.47	278.95	168.02	297.00	184.11	285.46	239.63	163.38	200.48	157.55
2/12/2024 07:27:47	342.27	282.76	333.77	279.36	168.24	297.30	184.40	285.78	239.99	163.61	200.74	157.68
2/12/2024 07:28:46	342.64	283.29	334.08	279.82	168.65	297.32	184.82	285.88	240.35	163.95	201.04	157.66
2/12/2024 07:29:46	343.09	283.71	334.51	280.25	169.11	297.69	185.29	286.29	240.82	164.37	201.41	158.13
2/12/2024 07:30:45	343.47	284.06	334.86	280.62	169.43	298.03	185.62	286.68	241.24	164.64	201.67	158.27
2/12/2024 07:31:45	343.75	284.44	335.15	281.02	169.83	298.22	185.96	286.99	241.80	164.90	201.93	158.36
2/12/2024 07:32:44	344.18	284.87	335.53	281.50	169.92	298.46	186.10	287.39	242.24	164.92	202.19	158.37
2/12/2024 07:33:44	344.64	285.43	336.02	282.21	169.70	299.01	185.75	288.18	243.17	164.37	202.67	158.13
2/12/2024 07:34:44	344.70	285.57	336.01	282.47	169.87	298.60	185.98	288.23	243.77	164.43	203.02	158.13
2/12/2024 07:35:43	344.95	285.90	336.10	282.99	169.50	297.81	185.42	288.24	244.90	163.61	203.67	157.67
2/12/2024 07:36:42	345.40	286.38	336.12	283.53	169.03	295.74	184.66	287.41	245.75	162.55	204.20	157.10
2/12/2024 07:37:43	346.06	286.86	338.61	284.05	169.18	295.33	164.86	287.46	246.41	162.59	204.61	157.13
2/12/2024 07:38:42	348.42	287.84	338.64	284.93	169.35	295.87	185.02	288.03	247.04	162.63	205.03	157.18
2/12/2024 07:39:41	349.71	287.62	339.78	284.87	169.46	296.24	185.10	288.45	247.57	162.58	205.42	157.17
2/12/2024 07:40:40	360.26	287.81	340.32	285.10	169.46	296.72	185.08	288.87	247.87	162.50	205.61	157.12
2/12/2024 07:41:40	350.73	288.44	340.80	285.65	169.43	297.27	184.96	289.33	248.24	162.31	205.88	157.02
2/12/2024 07:42:39	351.05	288.70	341.17	285.96	169.53	297.87	184.98	289.85	248.41	162.33	205.94	157.03
2/12/2024 07:43:39	351.25	289.20	341.42	286.46	169.63	298.33	185.09	290.32	248.79	162.39	206.18	157.08
2/12/2024 07:44:38	351.70	289.76	341.93	286.99	169.74	299.10	185.21	290.97	249.16	162.47	206.30	157.13
2/12/2024 07:45:37	351.93	290.27	342.24	287.50	169.86	299.83	185.26	291.58	249.65	162.44	206.72	157.12
2/12/2024 07:46:36	352.12	290.71	342.44	287.90	169.96	300.10	185.33	291.86	249.81	162.50	206.76	157.14
2/12/2024 07:47:36	352.44	291.32	342.76	288.43	169.62	300.36	185.03	292.14	247.93	162.85	204.94	157.35
2/12/2024 07:48:35	352.83	292.22	343.16	289.16	170.00	300.76	185.32	292.46	247.98	163.17	204.92	157.58
2/12/2024 07:49:35	353.44	293.27	343.82	289.02	170.46	301.63	185.80	291.42	247.14	163.59	205.12	157.82
2/12/2024 07:50:35	354.03	294.63	344.44	290.19	171.05	302.30	186.29	292.08	247.70	164.00	205.50	158.09
2/12/2024 07:51:35	354.50	296.18	345.38	291.44	170.36	305.40	186.80	294.01	248.10	164.50	205.80	158.42
2/12/2024 07:52:34	355.73	297.07	346.39	292.23	170.78	305.40	187.31	294.22	248.54	164.97	206.12	158.70
2/12/2024 07:53:33	357.42	298.02	347.98	293.10	171.07	306.65	187.63	295.20	248.99	165.24	206.40	158.84
2/12/2024 07:54:33	358.27	298.92	348.85	293.97	171.80	307.66	188.32	296.11	249.61	165.88	206.82	159.23
2/12/2024 07:55:32	359.03	299.86	349.65	294.91	172.27	308.67	188.88	297.07	250.30	166.34	207.29	159.49

2/12/2024 07:56:31	359.43	300.45	350.12	296.40	172.20	309.51	188.71	297.64	250.60	166.09	207.48	159.35
2/12/2024 07:57:30	360.13	301.29	350.86	296.13	172.29	310.44	188.79	298.34	251.37	166.00	208.06	159.29
2/12/2024 07:58:30	360.74	302.18	351.51	296.84	172.48	311.24	188.97	298.89	251.69	166.15	208.25	159.43
2/12/2024 07:59:30	361.33	302.91	352.16	297.26	172.36	312.21	188.94	299.21	250.00	166.68	206.82	159.78
2/12/2024 08:00:30	368.42	306.09	353.26	296.50	172.52	313.19	189.04	299.14	249.71	166.76	207.02	159.90
2/12/2024 08:01:30	363.53	307.94	354.75	300.57	172.60	316.20	189.26	300.79	249.89	166.92	207.21	159.99
2/12/2024 08:02:29	366.82	308.50	357.73	301.10	172.84	318.15	189.46	302.09	250.39	167.01	207.63	160.02
2/12/2024 08:03:29	368.19	309.38	358.90	301.92	172.88	318.40	189.59	302.51	251.02	166.98	208.11	159.99
2/12/2024 08:04:29	368.83	310.07	359.43	302.59	173.13	318.38	190.03	302.76	251.63	167.33	208.51	160.18
2/12/2024 08:05:28	368.78	310.60	359.41	303.13	173.44	318.37	190.37	303.02	252.12	167.63	208.81	160.36
2/12/2024 08:06:28	368.52	311.01	359.14	303.50	173.83	317.96	190.82	302.90	252.35	168.08	208.83	160.56
2/12/2024 08:07:27	367.73	310.79	358.40	303.18	174.14	317.42	191.16	302.33	251.79	168.57	208.40	160.81
2/12/2024 08:08:26	367.18	309.53	357.95	301.99	174.61	317.75	191.69	302.04	250.79	169.29	207.86	161.22
2/12/2024 08:09:27	366.49	308.97	357.24	301.62	175.66	316.72	192.99	301.57	251.04	170.56	208.11	161.94
2/12/2024 08:10:26	365.74	309.53	356.47	302.19	176.81	315.62	194.39	301.22	251.73	171.82	208.72	162.65
2/12/2024 08:11:26	365.41	310.46	356.14	303.07	177.33	315.11	195.10	301.25	252.51	172.35	209.39	162.88
2/12/2024 08:12:25	365.09	311.49	355.86	304.04	177.27	314.77	195.08	301.42	253.52	172.11	209.95	162.73
2/12/2024 08:13:25	364.81	312.58	355.62	305.11	177.81	314.55	195.69	301.74	254.88	172.41	210.34	162.90
2/12/2024 08:14:24	364.52	314.56	355.39	307.05	178.84	314.19	196.69	302.33	257.00	172.96	211.93	163.28
2/12/2024 08:15:23	364.39	317.54	355.28	310.25	178.94	313.59	197.42	303.68	259.47	173.31	213.25	163.55
2/12/2024 08:16:23	364.21	318.77	355.04	311.46	179.30	312.85	198.12	303.78	260.83	173.69	214.41	163.80
2/12/2024 08:17:22	364.37	320.02	355.19	312.70	179.82	312.79	198.53	304.27	262.04	173.90	215.43	163.90
2/12/2024 08:18:21	368.97	321.12	354.84	313.75	178.42	312.41	196.20	304.47	263.37	171.11	215.58	162.30
2/12/2024 08:19:21	363.29	322.16	354.31	314.83	178.83	312.37	196.42	304.96	264.90	170.93	216.55	162.20
2/12/2024 08:20:20	364.21	325.54	355.21	316.22	179.99	312.63	197.34	303.28	264.87	171.44	217.98	162.54
2/12/2024 08:21:19	364.66	327.13	355.61	317.70	181.12	312.65	198.05	303.81	266.23	171.92	219.08	162.85
2/12/2024 08:22:18	364.89	328.40	355.87	318.90	182.21	312.93	198.75	304.39	267.81	172.28	220.20	163.04
2/12/2024 08:23:19	364.76	329.21	355.80	319.74	182.39	313.00	198.64	304.84	269.12	171.85	220.93	162.78
2/12/2024 08:24:18	364.91	330.18	355.98	320.69	182.34	313.23	198.06	305.35	270.42	170.93	222.05	162.30
2/12/2024 08:25:17	365.02	330.63	356.08	321.15	182.80	313.32	197.70	305.59	271.40	170.29	222.96	161.98
2/12/2024 08:26:17	365.08	330.09	356.12	320.16	183.90	313.69	198.34	304.78	271.70	170.62	224.00	162.19
2/12/2024 08:27:18	365.29	331.62	356.41	321.79	185.26	314.24	199.51	305.93	273.47	171.52	224.94	162.75
2/12/2024 08:28:17	365.03	332.46	356.28	322.92	186.62	314.64	200.64	306.98	276.47	171.95	227.18	162.93
2/12/2024 08:29:16	364.96	333.20	366.01	322.56	185.88	313.35	198.89	304.72	276.40	169.74	228.15	161.68
2/12/2024 08:30:16	365.57	334.41	356.72	324.18	188.12	314.88	200.47	306.67	278.53	171.05	229.38	162.56
2/12/2024 08:31:16	365.05	334.67	358.17	325.41	189.32	314.03	201.37	308.00	280.95	171.62	230.60	162.83
2/12/2024 08:32:15	364.85	337.72	356.08	328.74	187.43	314.02	199.87	309.79	280.03	170.82	228.29	162.42
2/12/2024 08:33:15	365.35	336.66	356.37	327.68	186.43	313.50	197.08	309.05	278.32	168.35	226.23	160.97
2/12/2024 08:34:15	362.82	334.27	354.98	325.26	187.28	317.71	199.24	310.32	275.35	171.30	225.03	162.72
2/12/2024 08:35:14	365.58	331.21	356.75	322.23	186.79	315.42	198.04	307.75	272.67	170.63	223.12	162.33
2/12/2024 08:36:13	363.54	327.92	354.63	318.96	186.28	313.32	196.99	305.14	270.06	170.01	221.60	161.94
2/12/2024 08:37:13	362.67	328.39	353.39	317.73	186.21	310.33	197.65	303.28	268.25	170.05	220.76	162.50
2/12/2024 08:38:13	362.83	324.78	353.76	316.25	185.78	311.97	197.78	303.71	267.07	171.71	219.62	163.04
2/12/2024 08:39:12	364.32	326.38	355.41	318.42	186.20	314.62	196.40	306.84	266.29	170.90	217.53	162.53

2/12/2024 08:40:11	365.98	328.99	357.05	320.30	185.46	315.95	196.41	307.52	266.14	170.97	217.60	162.60
2/12/2024 08:41:11	364.18	326.59	355.65	318.02	185.20	316.61	196.56	307.04	266.96	171.66	216.26	163.07
2/12/2024 08:42:10	360.38	326.50	352.78	317.09	185.66	318.21	196.81	306.43	265.02	171.22	218.27	162.87
2/12/2024 08:43:10	361.97	327.06	353.99	317.13	185.26	317.19	196.67	304.54	263.59	171.19	217.69	162.80
2/12/2024 08:44:09	362.92	324.89	355.05	316.06	186.10	319.43	197.75	307.48	266.62	171.76	219.58	163.16
2/12/2024 08:45:08	361.26	327.04	353.67	318.34	186.53	318.83	197.61	308.26	269.99	170.79	221.57	162.62
2/12/2024 08:46:09	362.50	330.25	354.98	321.53	186.48	320.06	198.85	310.33	272.93	171.48	223.62	163.16
2/12/2024 08:47:08	368.77	332.88	355.97	324.11	187.36	319.38	199.39	311.02	274.62	171.79	224.65	163.34
2/12/2024 08:48:07	363.18	334.23	355.59	325.68	187.21	319.79	199.05	312.21	275.17	171.33	224.19	162.84
2/12/2024 08:49:06	362.63	332.21	355.02	325.33	186.90	319.34	198.98	313.87	276.17	171.41	223.83	162.95
2/12/2024 08:50:06	363.16	333.13	355.53	326.62	187.45	319.68	199.54	315.08	277.64	171.80	224.68	163.24
2/12/2024 08:51:05	364.20	333.93	356.63	327.72	187.65	321.07	199.73	316.72	278.47	171.93	224.86	163.34
2/12/2024 08:52:05	362.87	333.57	355.38	327.03	187.95	320.17	199.95	315.50	277.83	172.22	224.95	163.71
2/12/2024 08:53:04	364.32	334.59	356.80	328.22	188.57	321.52	200.46	316.99	278.88	172.62	225.58	164.08
2/12/2024 08:54:04	364.28	335.45	356.79	328.39	189.03	321.67	200.62	316.25	278.05	172.95	225.66	164.60
2/12/2024 08:55:03	365.27	335.38	357.71	329.01	189.38	322.24	201.19	317.72	279.65	173.38	226.54	164.93
2/12/2024 08:56:02	366.47	337.32	358.87	331.10	189.00	323.13	200.68	319.33	279.55	173.14	225.56	164.81
2/12/2024 08:57:02	365.80	338.84	358.24	332.39	187.62	322.31	199.87	319.15	279.23	172.25	224.70	163.92
2/12/2024 08:58:01	366.79	341.45	359.15	334.95	188.21	322.47	200.48	320.31	280.66	172.80	225.50	164.38
2/12/2024 08:59:00	367.14	342.40	359.47	335.99	188.50	322.58	200.71	320.94	281.38	172.94	225.85	164.47
2/12/2024 09:00:00	365.91	342.94	358.38	336.83	188.53	321.84	200.73	321.27	282.16	172.84	225.84	164.27
2/12/2024 09:01:00	367.12	343.53	359.56	337.85	188.48	322.97	200.61	322.88	282.70	172.74	225.58	164.20
2/12/2024 09:01:59	368.56	345.40	360.82	339.52	188.59	323.26	200.65	323.54	282.70	172.94	225.37	164.40
2/12/2024 09:02:59	368.91	348.90	361.26	342.47	189.04	323.58	201.05	324.33	283.21	173.43	225.64	164.91
2/12/2024 09:03:58	369.03	350.77	361.34	344.23	189.21	323.19	201.29	324.74	284.09	173.60	226.13	165.11
2/12/2024 09:04:58	369.74	351.83	361.94	345.41	189.52	323.25	201.57	325.44	284.99	173.77	226.64	165.32
2/12/2024 09:05:58	369.78	352.28	361.98	346.49	189.13	323.17	201.30	326.66	285.87	173.45	226.37	164.95
2/12/2024 09:06:58	370.37	352.82	362.55	347.29	189.28	323.02	201.43	327.57	286.39	173.59	226.37	165.04
2/12/2024 09:07:57	369.84	351.39	362.12	346.66	189.10	323.95	201.27	328.46	286.54	173.57	226.06	165.04
2/12/2024 09:08:56	368.90	351.08	361.27	346.69	189.29	323.57	201.40	328.67	287.02	173.62	226.28	165.04
2/12/2024 09:09:57	368.78	350.22	361.09	346.33	189.40	323.21	201.67	328.93	287.67	173.83	226.67	165.27
2/12/2024 09:10:56	368.95	350.32	361.17	346.84	189.49	322.89	201.68	329.47	288.49	173.78	226.98	165.21
2/12/2024 09:11:55	368.67	350.36	360.86	347.07	188.73	322.37	201.17	329.51	288.64	173.20	226.63	164.62
2/12/2024 09:12:54	369.55	349.90	361.76	347.21	189.01	323.34	201.49	330.89	289.53	173.54	227.00	165.04
2/12/2024 09:13:54	369.43	350.30	361.65	347.61	188.05	323.08	200.51	330.92	287.55	173.12	224.83	164.67
2/12/2024 09:14:53	370.35	362.76	362.57	349.68	188.59	323.59	201.02	331.67	288.56	173.50	225.55	164.97
2/12/2024 09:15:52	370.66	353.48	362.84	350.36	188.82	323.58	201.24	331.91	289.02	173.65	225.90	165.13
2/12/2024 09:16:52	371.23	354.57	363.43	351.46	189.33	324.18	201.70	332.75	289.88	173.97	226.56	165.47
2/12/2024 09:17:51	372.33	356.11	364.51	352.91	190.47	325.04	202.83	333.77	291.20	174.99	227.73	166.41
2/12/2024 09:18:50	372.22	356.49	364.35	352.25	190.20	324.48	202.56	331.89	290.19	174.53	227.71	165.92
2/12/2024 09:19:50	373.25	357.36	365.31	353.08	189.54	324.82	201.77	332.43	288.27	174.34	225.53	165.86
2/12/2024 09:20:49	374.42	358.55	366.34	354.10	189.27	325.02	201.59	332.80	288.78	174.03	225.61	165.51
2/12/2024 09:21:49	376.24	359.01	367.85	354.58	189.16	325.17	201.57	333.13	289.26	173.78	225.92	165.28
2/12/2024 09:22:48	378.78	361.01	370.07	356.51	190.22	325.87	202.55	334.28	290.80	174.49	227.22	165.98

2/12/2024 09:23:48	380.51	362.07	371.40	357.58	190.53	325.23	202.87	334.40	291.73	174.66	227.81	165.90
2/12/2024 09:24:48	381.95	364.04	372.62	359.87	191.44	325.19	203.76	335.80	293.84	175.32	229.10	166.41
2/12/2024 09:25:47	383.51	366.03	374.05	361.94	192.13	325.85	204.35	337.18	295.96	175.47	229.50	166.45
2/12/2024 09:26:46	385.35	366.10	375.70	362.28	192.44	326.52	204.77	338.09	298.51	175.20	231.65	166.27
2/12/2024 09:27:45	387.50	368.15	377.58	364.45	193.77	327.02	206.21	339.47	301.34	176.09	233.78	166.82
2/12/2024 09:28:45	384.78	366.61	375.26	362.82	195.68	326.90	208.24	338.54	302.62	177.63	234.98	167.69
2/12/2024 09:29:44	386.15	368.34	376.46	364.32	197.00	327.17	209.35	339.05	303.49	178.53	235.70	167.86
2/12/2024 09:30:44	385.53	369.40	375.83	364.98	197.51	326.37	209.73	338.38	302.34	179.24	234.74	168.18
2/12/2024 09:31:44	385.97	369.93	376.38	365.69	197.66	327.49	210.15	339.54	304.72	179.12	236.84	168.27
2/12/2024 09:32:43	388.00	371.92	378.17	368.04	199.84	328.00	212.03	341.31	307.60	180.58	238.29	169.04
2/12/2024 09:33:42	385.07	370.71	375.56	368.11	199.70	327.18	212.05	342.39	310.63	180.01	239.99	168.76
2/12/2024 09:34:42	387.13	372.66	377.52	370.04	200.42	328.59	212.77	344.01	312.43	180.41	241.51	169.08
2/12/2024 09:35:41	388.31	373.93	378.40	370.33	200.03	327.83	212.35	342.52	311.24	180.05	240.81	168.74
2/12/2024 09:36:40	385.75	371.50	376.16	368.36	200.12	327.35	212.42	341.93	310.85	180.25	240.70	169.02
2/12/2024 09:37:40	386.67	372.86	377.10	369.75	200.72	328.30	212.98	343.11	312.29	180.58	241.99	169.38
2/12/2024 09:38:39	388.47	374.06	378.86	371.55	201.71	329.90	213.86	344.81	313.94	181.29	243.49	170.14
2/12/2024 09:39:38	387.87	373.50	378.24	370.09	201.48	329.28	213.66	343.44	312.87	181.11	242.86	169.83
2/12/2024 09:40:38	387.17	373.79	377.53	370.16	202.19	328.35	214.41	342.68	313.16	181.80	243.54	170.44
2/12/2024 09:41:38	388.05	375.18	378.47	371.17	203.12	329.42	215.36	343.26	314.83	182.64	244.68	171.10
2/12/2024 09:42:38	387.76	373.95	378.19	369.70	203.32	329.46	215.54	342.33	313.02	182.82	245.64	170.81
2/12/2024 09:43:37	387.49	373.58	377.95	369.28	203.46	329.50	215.60	342.09	312.10	183.07	244.35	170.68
2/12/2024 09:44:37	388.18	373.99	378.64	369.62	203.91	330.20	216.11	342.56	311.60	183.82	244.17	170.64
2/12/2024 09:45:37	388.18	373.42	378.64	369.16	203.30	330.17	215.58	342.49	310.93	184.11	243.59	170.64
2/12/2024 09:46:36	387.98	373.39	378.54	369.19	203.61	330.59	215.80	342.80	310.95	184.64	243.67	170.90
2/12/2024 09:47:35	388.04	371.88	378.69	366.94	203.77	331.63	215.88	341.47	309.34	184.70	243.66	170.95
2/12/2024 09:48:35	388.17	371.84	378.90	366.83	204.10	332.28	216.15	341.70	308.99	185.14	243.39	170.90
2/12/2024 09:49:34	387.98	371.79	378.72	366.86	204.32	332.20	216.30	341.77	308.80	185.42	243.11	171.17
2/12/2024 09:50:33	387.60	371.78	378.11	366.87	204.36	330.23	216.32	340.69	308.53	185.50	242.71	171.32
2/12/2024 09:51:33	387.93	372.07	378.52	367.29	204.70	331.06	216.61	341.50	308.93	185.81	242.79	171.71
2/12/2024 09:52:32	387.84	372.12	378.48	367.06	204.94	331.28	216.77	341.17	308.82	185.88	243.02	171.76
2/12/2024 09:53:31	388.59	372.57	379.30	367.72	205.35	332.54	217.10	342.43	309.43	186.20	243.25	172.04
2/12/2024 09:54:30	388.87	372.61	379.64	367.95	205.52	333.19	217.23	343.11	309.82	186.27	243.36	172.08
2/12/2024 09:55:30	390.16	372.83	380.90	368.83	206.02	334.49	217.72	345.05	310.99	186.74	243.77	172.56
2/12/2024 09:56:29	390.89	372.50	381.55	368.66	206.05	335.04	217.72	345.46	311.05	186.75	243.73	172.60
2/12/2024 09:57:28	391.91	371.98	382.43	368.31	206.05	335.46	217.74	345.76	311.03	186.78	243.63	172.64
2/12/2024 09:58:28	393.01	372.28	383.42	368.68	206.37	336.05	218.04	346.33	311.45	187.04	243.83	172.89
2/12/2024 09:59:27	393.67	372.42	383.99	368.82	206.40	336.25	218.07	346.52	311.53	187.05	243.71	172.90
2/12/2024 10:00:27	394.58	372.57	384.69	368.95	206.39	335.98	218.06	346.39	311.61	187.01	243.79	173.02
2/12/2024 10:01:27	395.51	373.08	385.48	369.34	206.80	336.17	218.55	346.54	311.95	187.47	244.10	173.50
2/12/2024 10:02:26	397.48	373.48	387.06	369.56	207.07	336.08	218.80	346.35	312.07	187.64	244.27	173.67
2/12/2024 10:03:25	398.57	373.70	387.94	369.46	207.23	336.02	218.93	345.89	311.93	187.68	244.39	173.72
2/12/2024 10:04:24	399.30	373.46	388.51	369.99	207.20	335.97	218.90	345.36	311.58	187.60	244.37	173.75
2/12/2024 10:05:24	399.65	373.03	388.84	368.76	207.28	336.41	218.93	345.74	311.75	187.60	244.42	173.79
2/12/2024 10:06:23	400.34	373.24	389.47	368.95	207.31	336.79	219.02	346.01	311.88	187.65	244.51	173.92

2/12/2024 10:07:22	400.68	373.15	389.79	368.95	207.30	337.09	219.04	346.30	311.87	187.69	244.34	173.96
2/12/2024 10:08:23	401.18	373.56	390.27	369.31	207.75	337.47	219.47	346.61	312.22	188.06	244.67	174.32
2/12/2024 10:09:22	400.81	372.84	389.88	368.62	207.10	337.09	218.83	346.12	311.18	187.60	243.69	173.86
2/12/2024 10:10:22	401.35	373.60	390.36	369.22	207.53	337.21	219.22	346.25	311.61	187.91	244.12	174.13
2/12/2024 10:11:21	401.94	373.95	390.92	369.61	207.82	337.66	219.48	346.72	311.43	188.39	244.02	174.63
2/12/2024 10:12:21	401.78	374.12	390.75	369.74	207.67	337.41	219.29	346.58	311.00	188.31	243.64	174.60
2/12/2024 10:13:20	401.18	373.72	390.18	369.40	207.30	337.06	218.84	346.32	310.74	187.89	243.28	174.20
2/12/2024 10:14:19	401.20	375.10	390.20	370.53	207.13	337.12	218.78	346.50	310.94	187.80	243.47	174.22
2/12/2024 10:15:18	401.22	375.77	390.25	371.14	207.31	337.27	219.04	346.77	311.40	188.08	243.84	174.43
2/12/2024 10:16:18	400.95	375.43	390.02	370.89	207.07	337.23	218.99	346.75	311.33	188.05	243.78	174.47
2/12/2024 10:17:18	401.33	375.66	390.39	371.12	207.40	337.55	219.22	347.04	311.49	188.36	243.86	174.71
2/12/2024 10:18:18	401.14	375.85	390.20	371.25	207.41	337.38	219.34	346.92	311.68	188.32	244.00	174.65
2/12/2024 10:19:17	401.70	375.94	390.76	371.31	207.83	337.94	219.69	347.23	311.70	188.07	244.17	174.64
2/12/2024 10:20:17	401.82	375.88	390.89	371.23	207.96	338.16	219.83	347.28	311.74	188.24	244.33	174.79
2/12/2024 10:21:16	402.07	376.11	391.13	371.45	208.37	338.40	220.26	347.51	312.02	188.61	244.63	175.10
2/12/2024 10:22:15	402.00	375.96	391.03	371.26	208.07	338.16	219.99	347.22	311.80	188.42	244.42	174.91
2/12/2024 10:23:16	402.17	376.07	391.17	371.38	208.16	338.15	220.08	347.28	311.98	188.48	244.55	174.93
2/12/2024 10:24:16	402.17	376.35	391.17	371.65	208.38	338.11	220.40	347.36	312.26	188.78	244.78	175.15
2/12/2024 10:25:16	402.32	376.51	391.28	371.83	208.59	338.04	220.66	347.43	312.55	189.01	245.00	175.31
2/12/2024 10:26:15	402.52	377.02	391.51	372.34	208.43	338.34	220.43	347.82	312.99	188.77	245.40	175.13
2/12/2024 10:27:14	402.46	377.25	391.49	372.61	209.61	338.52	221.82	348.09	313.45	190.13	245.69	176.12
2/12/2024 10:28:14	402.11	377.29	391.17	372.65	209.87	338.24	222.14	347.95	313.62	190.40	245.82	176.16
2/12/2024 10:29:13	402.20	377.65	391.28	373.00	209.58	338.48	222.03	348.22	313.84	190.35	245.80	176.24
2/12/2024 10:30:13	401.95	377.59	391.08	373.00	210.46	338.49	222.94	348.30	314.14	191.22	246.01	176.62
2/12/2024 10:31:13	401.84	377.23	391.01	372.73	210.52	338.69	222.96	348.40	313.03	191.61	245.01	176.95
2/12/2024 10:32:12	401.88	375.90	391.03	371.51	210.33	338.68	223.70	348.02	311.75	192.74	243.96	177.56
2/12/2024 10:33:11	402.18	375.83	391.32	371.37	210.99	338.99	224.53	348.04	311.84	193.59	244.16	177.65
2/12/2024 10:34:11	402.73	376.35	391.86	371.79	211.45	339.48	224.91	348.38	312.43	193.88	244.75	178.06
2/12/2024 10:35:11	402.66	375.91	391.78	371.35	211.44	339.40	225.01	348.14	312.29	193.97	244.66	178.16
2/12/2024 10:36:10	403.23	376.35	392.34	371.80	212.02	339.94	225.62	348.66	312.96	194.51	245.34	178.43
2/12/2024 10:37:10	403.61	376.63	392.70	372.07	212.72	340.20	226.39	348.91	313.39	195.27	245.67	178.89
2/12/2024 10:38:10	403.81	376.80	392.89	372.24	211.79	340.35	225.22	349.08	313.73	193.95	245.96	178.20
2/12/2024 10:39:09	404.11	376.94	393.16	372.43	211.71	340.51	225.08	349.31	314.13	193.76	246.14	178.02
2/12/2024 10:40:08	404.42	377.09	393.45	372.60	211.40	340.70	224.76	349.50	314.55	193.30	246.20	177.41
2/12/2024 10:41:08	405.51	377.75	394.49	373.30	211.73	341.58	225.18	350.36	315.46	193.61	246.88	177.42
2/12/2024 10:42:07	406.07	377.76	395.02	373.46	211.74	342.06	225.30	350.88	315.85	193.68	246.92	177.49
2/12/2024 10:43:07	407.68	377.16	396.85	372.41	211.98	345.48	225.60	351.78	315.72	193.84	247.47	177.88
2/12/2024 10:44:06	408.33	377.43	397.47	373.67	212.66	348.01	226.07	353.84	317.19	194.36	247.84	178.30
2/12/2024 10:45:06	408.29	376.78	397.42	373.81	212.40	346.10	225.92	354.91	318.10	194.10	247.76	178.15
2/12/2024 10:46:05	408.35	376.78	397.54	373.79	212.70	346.65	226.15	355.21	318.51	194.23	248.18	178.25
2/12/2024 10:47:05	408.26	377.00	397.46	374.05	212.09	346.63	225.53	355.31	319.02	193.43	248.55	177.65
2/12/2024 10:48:04	408.62	377.46	397.80	374.46	212.09	346.88	225.45	355.57	319.73	193.16	249.17	177.72
2/12/2024 10:49:04	408.24	377.80	397.45	374.53	211.81	346.58	225.19	355.35	319.95	192.74	249.25	177.12
2/12/2024 10:50:03	408.96	378.23	398.07	375.15	211.82	346.70	225.24	355.66	320.54	192.67	249.68	177.46

2/12/2024 10:51:02	409.56	378.93	398.63	375.80	212.30	347.10	225.41	356.11	321.13	192.73	250.26	177.40
2/12/2024 10:52:03	409.33	378.41	398.34	375.25	211.80	346.52	225.15	355.52	320.77	192.44	249.94	177.43
2/12/2024 10:53:02	409.90	379.13	398.64	375.84	212.04	346.65	225.34	355.68	321.06	192.60	250.18	177.27
2/12/2024 10:54:01	410.11	379.32	398.98	375.86	212.30	346.49	225.65	355.39	320.90	192.96	250.18	177.25
2/12/2024 10:55:01	410.56	379.90	399.31	376.22	212.58	346.26	225.81	355.15	320.50	193.21	249.84	176.59
2/12/2024 10:56:00	410.95	379.81	399.68	375.90	212.67	346.60	225.78	354.91	320.46	193.09	250.20	177.34
2/12/2024 10:57:00	412.95	379.64	400.55	375.69	210.48	342.25	222.55	352.33	319.66	189.91	249.40	173.78
2/12/2024 10:57:59	414.07	378.92	401.45	374.96	210.19	342.33	222.18	352.02	319.61	189.44	249.58	173.69
2/12/2024 10:58:59	414.53	379.19	402.01	375.24	210.88	343.49	222.96	352.81	319.30	190.35	249.15	174.30
2/12/2024 10:59:58	415.05	379.50	402.51	375.30	211.22	343.94	223.25	352.77	319.16	190.69	249.28	174.73
2/12/2024 11:00:58	415.20	379.68	402.67	375.44	211.30	344.15	223.33	352.91	319.12	190.74	249.22	174.81
2/12/2024 11:01:57	415.61	380.70	403.12	376.10	211.57	344.92	223.41	353.17	319.06	190.85	249.31	175.02
2/12/2024 11:02:56	415.55	380.74	403.12	376.04	211.94	345.19	223.65	353.16	319.09	191.00	249.41	175.13
2/12/2024 11:03:56	415.95	381.27	403.60	376.34	212.46	346.07	224.04	353.51	319.32	191.34	249.76	175.36
2/12/2024 11:04:55	416.29	381.49	404.00	376.43	212.76	346.75	224.43	353.76	319.47	191.70	250.06	175.80
2/12/2024 11:05:54	416.53	381.52	404.31	376.42	212.81	347.45	224.39	354.10	319.29	191.68	249.86	175.79
2/12/2024 11:06:54	416.64	381.80	404.41	376.61	213.24	347.56	224.71	354.13	319.43	191.97	250.08	176.28
2/12/2024 11:07:54	416.72	381.89	404.51	376.58	213.31	347.70	224.81	354.06	319.32	192.07	250.05	176.57
2/12/2024 11:08:53	416.93	381.96	404.73	376.47	213.63	348.04	225.05	353.96	319.24	192.28	250.20	176.89
2/12/2024 11:09:52	417.17	381.99	404.95	376.55	213.95	348.23	225.40	354.17	319.49	192.62	250.45	177.35
2/12/2024 11:10:52	417.52	382.19	405.31	376.72	214.27	348.63	225.73	354.43	319.67	192.96	250.64	177.79
2/12/2024 11:11:51	417.65	381.95	405.41	376.48	214.34	348.70	225.80	354.36	319.62	192.97	250.62	177.85
2/12/2024 11:12:50	417.90	382.05	405.63	376.69	214.76	348.84	226.22	354.66	320.01	193.40	250.94	178.37
2/12/2024 11:13:50	417.81	381.94	405.54	376.56	214.47	348.69	226.05	354.51	319.79	193.22	250.68	178.19
2/12/2024 11:14:50	417.59	381.80	405.41	376.39	214.66	349.05	226.28	354.60	319.85	193.43	250.84	178.46
2/12/2024 11:15:49	417.07	381.88	404.98	376.48	214.95	348.93	226.53	354.59	320.03	193.68	251.00	178.68
2/12/2024 11:16:48	419.21	381.40	406.74	375.98	214.84	349.25	226.58	354.50	319.88	193.71	251.00	178.64
2/12/2024 11:17:48	420.60	382.00	407.92	376.50	215.45	349.51	227.10	354.79	320.26	194.20	251.39	179.20
2/12/2024 11:18:48	419.84	381.52	407.25	375.87	215.12	349.24	226.79	354.16	319.67	193.89	251.02	178.89
2/12/2024 11:19:47	420.97	381.76	408.19	376.06	215.43	349.34	227.13	354.24	319.90	194.23	251.31	179.24
2/12/2024 11:20:47	421.32	381.70	408.51	375.95	215.54	349.59	227.27	354.28	319.91	194.41	251.46	179.40
2/12/2024 11:21:47	421.18	381.71	408.45	376.09	215.57	349.90	227.26	354.68	320.10	194.37	251.50	179.40
2/12/2024 11:22:46	420.68	381.55	408.08	375.92	215.42	350.13	227.19	354.73	319.98	194.31	251.39	179.31
2/12/2024 11:23:46	421.17	381.83	408.52	376.25	215.61	350.35	227.41	355.04	320.30	194.53	251.62	179.53
2/12/2024 11:24:45	420.35	381.44	407.94	375.93	215.49	350.89	227.31	355.31	320.19	194.42	251.54	179.42
2/12/2024 11:25:45	420.43	381.60	408.08	376.12	215.56	351.30	227.41	355.66	320.37	194.53	251.64	179.50
2/12/2024 11:26:45	420.23	381.51	407.96	376.07	215.49	351.53	227.34	355.81	320.32	194.45	251.57	179.43
2/12/2024 11:27:44	420.38	381.62	408.14	376.21	215.52	351.88	227.40	356.11	320.48	194.50	251.67	179.50
2/12/2024 11:28:43	420.20	381.67	408.09	376.32	215.72	352.47	227.58	356.55	320.66	194.70	251.64	179.70
2/12/2024 11:29:44	420.45	382.07	408.37	376.70	215.89	352.86	227.74	356.92	320.91	194.86	252.01	179.83
2/12/2024 11:30:43	420.25	381.87	408.24	376.58	215.72	353.07	227.62	357.08	320.86	194.73	251.91	179.71
2/12/2024 11:31:42	420.33	382.01	408.32	376.74	215.92	353.20	227.77	357.25	321.00	194.90	252.01	179.86
2/12/2024 11:32:42	419.98	382.14	408.09	376.91	215.98	353.44	227.82	357.50	321.16	194.93	252.10	179.90
2/12/2024 11:33:42	419.86	382.34	408.04	377.12	215.94	353.68	227.77	357.75	321.20	194.89	252.06	179.87

2/12/2024 11:34:42	419.61	382.39	407.85	377.19	215.79	353.76	227.61	357.84	321.16	194.72	251.93	179.70
2/12/2024 11:35:41	419.63	382.88	407.95	377.67	216.01	354.22	227.80	358.29	321.39	194.96	252.11	179.95
2/12/2024 11:36:40	419.57	383.24	407.91	378.00	216.00	354.22	227.80	358.39	321.40	194.96	252.08	179.99
2/12/2024 11:37:41	419.72	383.87	408.13	378.58	215.91	354.82	227.71	358.92	321.42	194.92	251.99	179.99
2/12/2024 11:38:40	419.83	384.25	408.25	378.93	215.65	354.96	227.56	359.10	321.33	194.82	251.84	179.93
2/12/2024 11:39:40	419.82	384.46	408.33	379.14	215.37	355.51	227.46	359.50	321.25	194.74	251.67	179.66
2/12/2024 11:40:40	420.29	384.88	408.88	379.67	215.25	356.39	227.36	360.38	321.40	194.67	251.51	179.81
2/12/2024 11:41:39	420.78	385.74	409.49	381.03	215.20	357.44	227.30	362.20	322.20	194.65	251.38	179.76
2/12/2024 11:42:39	421.52	386.59	410.31	381.81	215.20	358.57	227.37	363.10	322.41	194.73	251.44	179.86
2/12/2024 11:43:38	422.58	387.24	411.28	382.41	215.23	359.16	227.40	363.62	322.57	194.77	251.45	179.93
2/12/2024 11:44:37	423.74	387.38	412.34	382.56	215.13	359.87	227.35	364.11	322.60	194.73	251.40	179.92
2/12/2024 11:45:37	424.28	387.26	412.84	382.47	215.01	360.29	227.25	364.34	322.56	194.61	251.33	179.79
2/12/2024 11:46:37	424.75	387.48	413.29	382.65	214.99	360.67	227.24	364.58	322.62	194.56	251.37	179.77
2/12/2024 11:47:38	425.15	387.69	413.69	382.82	215.17	361.10	227.38	364.84	322.78	194.71	251.54	179.92
2/12/2024 11:48:36	425.13	387.72	413.73	382.91	215.34	361.45	227.53	365.15	323.00	194.83	251.72	180.04
2/12/2024 11:49:35	424.83	387.36	413.47	382.61	215.17	361.36	227.36	365.05	322.87	194.64	251.56	179.68
2/12/2024 11:50:35	425.15	387.60	413.80	382.86	215.39	361.75	227.58	365.39	323.14	194.82	251.82	180.06
2/12/2024 11:51:34	425.29	387.61	413.91	382.87	215.32	361.79	227.48	365.42	323.15	194.69	251.79	179.94
2/12/2024 11:52:33	425.45	387.68	414.07	382.95	215.46	361.95	227.67	365.56	323.33	194.86	251.98	180.10
2/12/2024 11:53:34	425.63	387.75	414.24	383.01	215.55	362.05	227.70	365.62	323.39	194.87	252.04	180.14
2/12/2024 11:54:33	425.97	388.03	414.57	383.28	215.85	362.37	227.97	365.92	323.73	195.10	252.39	180.38
2/12/2024 11:55:33	425.90	387.92	414.50	383.17	215.79	362.26	227.92	365.80	323.71	195.04	252.37	180.30
2/12/2024 11:56:32	425.94	387.90	414.52	383.13	215.84	362.21	227.94	365.74	323.76	195.02	252.44	180.27
2/12/2024 11:57:32	426.04	387.97	414.61	383.20	216.05	362.27	228.15	365.79	323.96	195.22	252.67	180.51
2/12/2024 11:58:32	426.07	388.04	414.64	383.25	216.24	362.28	228.31	365.80	324.11	195.36	252.87	180.63
2/12/2024 11:59:31	426.07	388.01	414.63	383.20	216.32	362.21	228.37	365.71	324.16	195.38	252.96	180.67
2/12/2024 12:00:30	426.25	388.23	414.81	383.40	216.63	362.41	228.65	365.89	324.46	195.64	253.29	180.94
2/12/2024 12:01:30	426.21	388.29	414.77	383.44	216.77	362.37	228.78	365.86	324.57	195.76	253.43	181.05
2/12/2024 12:02:29	426.34	388.39	414.89	383.53	216.91	362.47	228.90	365.93	324.70	195.84	253.58	181.11
2/12/2024 12:03:29	426.22	388.45	414.78	383.57	216.98	362.37	228.95	365.87	324.77	195.86	253.67	181.14
2/12/2024 12:04:29	426.15	388.39	414.71	383.51	216.94	362.28	228.92	365.80	324.77	195.82	253.66	181.08
2/12/2024 12:05:28	426.32	388.70	414.89	383.80	217.21	362.50	229.15	366.02	325.03	196.04	253.91	181.28
2/12/2024 12:06:28	426.72	389.17	415.27	384.23	217.55	362.77	229.47	366.32	325.37	196.36	254.18	181.53
2/12/2024 12:07:28	426.89	389.28	415.25	384.35	217.81	362.83	229.54	366.41	325.49	196.41	254.27	181.58
2/12/2024 12:08:27	426.58	389.35	415.16	384.41	217.61	362.78	229.54	366.40	325.51	196.40	254.25	181.54
2/12/2024 12:09:27	426.89	389.76	415.48	384.82	217.91	363.12	229.83	366.77	325.86	196.69	254.56	181.83
2/12/2024 12:10:27	426.97	389.95	415.57	384.99	218.01	363.21	229.91	366.87	325.96	196.77	254.61	181.87
2/12/2024 12:11:26	427.19	390.29	415.80	385.32	218.22	363.46	230.10	367.13	326.19	196.96	254.80	182.04
2/12/2024 12:12:25	426.92	390.29	415.53	385.28	218.08	363.19	229.96	366.93	326.04	196.84	254.61	181.90
2/12/2024 12:13:25	427.23	390.72	415.85	385.71	218.35	363.55	230.22	367.31	326.34	197.12	254.85	182.16
2/12/2024 12:14:26	427.12	390.97	415.77	385.91	218.31	363.52	230.20	367.33	326.37	197.07	254.82	182.11
2/12/2024 12:15:26	426.87	391.47	415.63	386.37	218.51	363.81	230.38	367.65	326.50	197.28	254.96	182.30
2/12/2024 12:16:26	427.27	391.94	415.98	386.75	218.48	363.85	230.35	367.73	326.58	197.25	254.85	182.23
2/12/2024 12:17:25	427.40	392.30	416.13	387.06	218.56	364.07	230.43	367.93	326.65	197.37	254.88	182.34

2/12/2024 12:18:25	427.47	392.81	416.23	387.50	218.78	364.22	230.58	368.12	326.76	197.55	254.91	182.49
2/12/2024 12:19:24	427.92	393.47	416.68	388.21	218.99	364.69	230.80	368.76	327.12	197.82	255.05	182.73
2/12/2024 12:20:23	426.83	393.88	415.82	388.72	218.99	364.69	230.75	369.10	327.25	197.79	254.90	182.67
2/12/2024 12:21:23	426.42	394.25	415.52	389.40	219.09	364.86	230.80	369.88	327.64	197.90	254.79	182.75
2/12/2024 12:22:23	426.85	394.59	415.90	389.88	219.20	365.00	230.81	370.33	327.78	197.98	254.66	182.81
2/12/2024 12:23:22	426.28	395.00	415.53	390.26	219.43	365.45	230.99	370.72	327.88	198.26	254.71	183.06
2/12/2024 12:24:22	426.51	395.24	415.75	390.50	219.60	365.65	231.02	370.93	327.92	198.31	254.69	183.10
2/12/2024 12:25:21	426.54	395.40	415.81	390.66	219.86	365.84	231.01	371.10	327.93	198.30	254.64	183.13
2/12/2024 12:26:20	426.70	395.46	415.95	390.72	220.05	365.90	230.97	371.17	327.92	198.29	254.61	183.07
2/12/2024 12:27:20	427.14	395.68	416.31	390.93	220.17	365.91	231.01	371.26	328.02	198.34	254.67	183.15
2/12/2024 12:28:20	427.53	395.93	416.59	391.16	220.23	365.65	231.02	371.18	328.15	198.35	254.78	183.16
2/12/2024 12:29:20	427.95	396.18	416.79	391.39	220.42	364.79	231.18	370.78	328.34	198.50	254.95	183.32
2/12/2024 12:30:20	428.24	396.29	417.03	391.49	220.29	364.76	230.97	370.79	328.40	198.27	254.99	183.14
2/12/2024 12:31:20	428.52	396.53	417.21	391.70	220.30	364.48	230.90	370.69	328.52	198.22	255.08	183.16
2/12/2024 12:32:20	428.80	396.73	417.44	391.89	220.29	364.43	230.88	370.74	328.68	198.16	255.19	183.11
2/12/2024 12:33:20	429.07	396.86	417.67	392.04	220.19	364.51	230.79	370.87	328.84	198.07	255.32	183.09
2/12/2024 12:34:20	429.30	397.03	417.90	392.18	220.23	364.72	230.80	371.01	328.91	198.06	255.35	183.08
2/12/2024 12:35:19	429.54	397.13	418.10	392.26	220.07	364.75	230.61	371.04	328.92	197.84	255.33	182.94
2/12/2024 12:36:20	429.92	397.38	418.50	392.52	220.16	365.23	230.71	371.44	329.13	197.98	255.48	183.11
2/12/2024 12:37:19	430.32	397.63	418.83	392.74	220.33	365.24	230.88	371.51	329.27	198.10	255.61	183.17
2/12/2024 12:38:19	430.81	397.88	419.30	392.98	220.30	365.67	230.85	371.84	329.37	198.07	255.61	183.20
2/12/2024 12:39:19	431.33	398.10	419.77	393.21	220.40	365.93	230.98	372.10	329.50	198.17	255.66	183.28
2/12/2024 12:40:18	431.94	398.45	420.33	393.55	220.45	366.26	231.03	372.43	329.65	198.27	255.69	183.37
2/12/2024 12:41:18	432.73	398.96	421.07	394.05	220.69	366.74	231.33	372.90	329.93	198.54	255.84	183.08
2/12/2024 12:42:18	433.11	399.11	421.41	394.21	220.52	366.87	231.15	373.08	329.87	198.42	255.64	183.49
2/12/2024 12:43:17	433.87	399.52	422.12	394.66	220.67	367.32	231.39	373.58	330.13	198.68	255.75	183.75
2/12/2024 12:44:17	434.04	399.29	422.29	394.57	220.42	367.45	231.18	373.80	330.00	198.49	255.44	183.54
2/12/2024 12:45:16	434.87	399.80	423.10	395.17	220.67	368.20	231.45	374.60	330.21	198.86	255.47	183.96
2/12/2024 12:46:15	435.07	399.73	423.31	395.19	220.44	368.47	231.25	374.88	330.04	198.71	255.17	183.81
2/12/2024 12:47:15	435.64	400.29	423.89	395.77	220.54	369.06	231.32	375.48	330.23	198.88	255.22	184.03
2/12/2024 12:48:16	435.88	400.36	424.13	395.87	220.44	369.35	231.19	375.72	330.19	198.71	255.06	183.85
2/12/2024 12:49:15	436.43	400.86	424.69	396.39	220.77	370.00	231.52	376.36	330.54	199.07	255.31	184.23
2/12/2024 12:50:14	436.66	401.01	424.94	396.56	220.77	370.32	231.51	376.63	330.61	199.07	255.28	184.18
2/12/2024 12:51:14	436.51	400.93	424.81	396.50	220.62	370.29	231.40	376.61	330.51	198.93	255.09	184.12
2/12/2024 12:52:14	436.93	401.29	425.24	396.86	220.94	370.79	231.65	377.06	330.81	199.13	255.35	184.30
2/12/2024 12:53:14	437.28	401.62	425.61	397.20	221.12	371.24	231.83	377.45	331.06	199.29	255.55	184.41
2/12/2024 12:54:14	437.37	401.67	425.71	397.26	221.22	371.42	231.89	377.60	331.08	199.30	255.51	184.42
2/12/2024 12:55:13	437.37	401.76	425.72	397.35	221.34	371.48	231.98	377.67	331.17	199.34	255.55	184.50
2/12/2024 12:56:13	438.01	402.38	426.37	397.96	222.02	372.18	232.60	378.32	331.73	199.93	256.07	185.07
2/12/2024 12:57:12	437.87	402.29	426.25	397.89	221.90	372.16	232.49	378.29	331.68	199.78	256.01	184.89
2/12/2024 12:58:12	438.13	402.57	426.52	398.15	222.26	372.47	232.79	378.58	331.93	200.05	256.22	185.13
2/12/2024 12:59:12	438.62	403.16	427.03	398.73	222.83	373.10	233.38	379.16	332.50	200.58	256.77	185.69
2/12/2024 13:00:12	438.36	402.87	426.78	398.45	222.66	372.90	233.12	378.93	332.24	200.31	256.49	185.31
2/12/2024 13:01:12	438.98	403.66	427.41	399.19	223.40	373.55	233.79	379.55	332.86	200.93	257.08	185.97

2/12/2024 13:02:12	439.10	403.84	427.53	399.34	223.58	373.89	233.92	379.67	332.98	201.05	257.17	186.03
2/12/2024 13:03:13	438.84	403.63	427.28	399.12	223.52	373.49	233.81	379.44	332.79	200.93	256.96	185.86
2/12/2024 13:04:12	439.30	404.10	427.73	399.56	224.02	373.89	234.26	379.82	333.19	201.36	257.34	186.25
2/12/2024 13:05:12	439.33	404.28	427.77	399.70	224.09	374.00	234.33	379.89	333.25	201.41	257.38	186.28
2/12/2024 13:06:11	439.60	404.66	428.04	400.02	224.39	374.20	234.58	380.08	333.48	201.65	257.56	186.40
2/12/2024 13:07:12	440.21	405.38	428.64	400.69	224.89	374.75	235.11	380.62	334.03	202.14	258.06	186.94
2/12/2024 13:08:12	440.06	405.33	428.47	400.60	224.66	374.42	234.94	380.34	333.89	201.97	257.87	186.80
2/12/2024 13:09:11	440.25	405.77	428.64	400.98	224.95	374.50	235.23	380.47	334.16	202.24	258.11	186.98
2/12/2024 13:10:11	440.32	406.08	428.72	401.25	225.10	374.59	235.36	380.60	334.32	202.35	258.19	186.96
2/12/2024 13:11:12	441.00	406.32	429.36	401.47	225.17	375.09	235.39	380.96	334.38	202.41	258.20	186.96
2/12/2024 13:12:11	441.80	406.91	430.03	402.03	225.48	375.59	235.72	381.44	334.83	202.70	258.53	187.24
2/12/2024 13:13:10	441.97	407.03	430.29	402.17	225.61	375.81	235.89	381.67	335.05	202.83	258.71	187.40
2/12/2024 13:14:11	442.89	407.57	431.12	402.65	225.86	376.22	236.13	382.02	335.29	203.07	258.82	187.64
2/12/2024 13:15:11	443.64	408.02	431.89	403.14	226.21	377.17	236.49	382.82	335.84	203.37	259.21	187.96
2/12/2024 13:16:10	444.06	408.17	432.41	403.30	226.25	378.21	236.56	383.49	335.98	203.42	259.21	187.95
2/12/2024 13:17:09	444.00	408.05	432.41	403.21	226.05	378.52	236.38	383.67	335.95	203.19	258.99	187.68
2/12/2024 13:18:10	444.83	408.78	433.32	403.99	226.74	379.84	237.08	384.79	336.76	203.86	259.62	188.36
2/12/2024 13:19:09	445.11	409.13	433.62	404.45	227.05	380.24	237.43	385.36	337.41	204.12	259.91	188.67
2/12/2024 13:20:08	445.19	409.22	433.71	404.60	227.08	380.40	237.46	385.60	337.61	204.12	259.96	188.63
2/12/2024 13:21:08	445.22	409.25	433.74	404.67	227.16	380.45	237.59	385.71	337.88	204.20	260.06	188.71
2/12/2024 13:22:08	445.82	409.83	434.36	405.42	227.85	381.17	238.30	386.64	338.84	204.84	260.64	189.34
2/12/2024 13:23:08	445.58	409.72	434.10	405.29	227.68	380.81	238.14	386.37	338.77	204.61	260.52	189.15
2/12/2024 13:24:08	445.37	409.54	433.90	405.16	227.47	380.59	237.94	386.24	338.62	204.44	260.35	188.90
2/12/2024 13:25:07	446.14	410.43	434.59	405.85	228.21	380.88	238.65	386.64	339.31	205.07	260.90	189.54
2/12/2024 13:26:07	446.70	411.02	435.17	406.58	228.87	381.59	239.35	387.36	340.04	205.74	261.56	190.18
2/12/2024 13:27:07	446.33	410.73	434.82	406.32	228.60	381.27	239.10	387.11	339.88	205.43	261.34	189.88
2/12/2024 13:28:06	446.62	411.04	435.08	406.60	228.91	381.40	239.43	387.27	340.20	205.75	261.71	190.38
2/12/2024 13:29:08	446.65	411.19	435.12	406.77	229.19	381.46	239.76	387.39	340.51	205.98	261.93	191.11
2/12/2024 13:30:05	446.82	411.48	435.30	407.04	229.55	381.67	240.09	387.60	340.78	206.33	262.25	191.52
2/12/2024 13:31:05	446.93	411.47	435.39	407.02	229.49	381.69	240.07	387.59	340.69	206.25	262.03	191.32
2/12/2024 13:32:05	447.17	411.80	435.64	407.33	229.61	381.99	240.16	387.88	340.88	206.29	262.16	191.40
2/12/2024 13:33:04	447.68	412.33	436.17	407.85	230.05	382.59	240.63	388.44	341.36	206.63	262.58	191.69
2/12/2024 13:34:04	447.35	412.13	435.86	407.71	229.90	382.40	240.50	388.32	341.31	206.56	262.55	191.62
2/12/2024 13:35:03	447.67	412.51	436.20	408.08	230.24	382.75	240.85	388.68	341.65	206.78	262.80	191.71
2/12/2024 13:36:02	447.70	412.73	436.23	408.28	230.33	382.77	240.96	388.76	341.78	206.93	262.92	191.99
2/12/2024 13:37:03	447.76	412.84	436.28	408.37	230.35	382.74	241.02	388.75	341.80	206.90	262.94	191.89
2/12/2024 13:38:02	447.84	413.19	436.45	408.67	230.49	382.82	241.16	388.87	341.96	207.02	263.05	191.93
2/12/2024 13:39:01	448.15	413.45	436.64	408.88	230.63	382.92	241.34	388.96	342.04	207.08	263.11	192.01
2/12/2024 13:40:01	447.72	413.37	436.26	408.82	230.52	382.77	241.21	388.87	342.01	207.12	263.04	191.83
2/12/2024 13:41:00	448.05	413.70	436.63	409.08	230.69	383.33	241.38	389.21	342.07	207.18	263.09	191.93
2/12/2024 13:41:59	447.61	414.01	436.38	409.40	230.97	383.86	241.68	389.67	342.35	207.49	263.28	192.16
2/12/2024 13:42:59	447.40	414.76	436.30	410.09	231.51	384.28	242.25	390.13	342.91	207.98	263.83	192.61
2/12/2024 13:43:58	449.31	414.82	437.85	410.06	231.42	384.31	242.13	390.02	342.64	207.89	263.52	192.42
2/12/2024 13:44:58	447.10	415.47	436.19	410.70	231.88	384.93	242.62	390.65	343.19	208.41	263.98	192.89

2/12/2024 13:45:57	446.47	415.74	435.72	410.91	231.88	385.06	242.63	390.75	343.16	208.39	263.87	192.82
2/12/2024 13:46:57	446.15	416.18	435.51	411.30	232.30	385.33	242.95	390.99	343.38	208.70	264.04	193.10
2/12/2024 13:47:57	445.82	416.00	435.22	411.12	231.99	385.16	242.61	390.82	343.05	208.41	263.63	192.82
2/12/2024 13:48:57	446.14	416.30	435.53	411.44	232.41	385.48	243.04	391.18	343.40	208.83	263.91	193.26
2/12/2024 13:49:56	445.06	416.37	434.65	411.52	232.26	385.39	242.84	391.16	343.30	208.60	263.69	193.06
2/12/2024 13:50:55	446.15	416.47	435.55	411.57	232.90	385.56	243.36	391.22	343.51	209.08	263.97	194.13
2/12/2024 13:51:55	446.21	416.58	435.62	411.70	232.99	385.67	243.39	391.36	343.59	209.03	263.96	193.72
2/12/2024 13:52:54	446.42	416.83	435.83	411.95	233.28	385.83	243.63	391.56	343.80	209.28	264.10	193.95
2/12/2024 13:53:54	446.75	417.19	436.15	412.29	233.96	386.13	244.17	391.84	344.19	209.80	264.51	194.56
2/12/2024 13:54:54	448.03	417.76	437.32	412.93	234.37	386.82	244.63	392.62	344.74	210.21	264.82	195.12
2/12/2024 13:55:53	447.68	417.77	437.03	412.88	234.39	386.80	244.72	392.49	344.59	210.38	264.78	195.18
2/12/2024 13:56:53	447.81	418.05	437.18	413.19	234.72	387.06	245.06	392.81	345.00	210.67	265.17	195.83
2/12/2024 13:57:52	447.83	418.18	437.21	413.38	234.85	387.12	245.21	393.01	345.34	210.80	265.37	195.45
2/12/2024 13:58:52	447.47	417.92	436.86	413.09	234.75	386.77	245.24	392.64	345.02	210.86	265.11	196.11
2/12/2024 13:59:52	447.87	418.46	437.25	413.62	235.19	387.12	245.64	393.06	345.60	211.19	265.61	196.09
2/12/2024 14:00:51	447.96	418.54	437.36	413.71	235.56	387.35	246.11	393.25	345.73	211.73	265.73	197.06
2/12/2024 14:01:50	447.90	418.62	437.32	413.76	235.75	387.36	246.30	393.23	346.06	211.77	266.05	196.78
2/12/2024 14:02:50	447.69	418.66	437.11	413.84	235.64	387.12	246.20	393.17	346.18	211.63	266.00	196.57
2/12/2024 14:03:49	447.49	418.58	436.93	413.73	235.69	387.02	246.31	393.03	346.18	211.74	265.99	196.70
2/12/2024 14:04:49	447.55	418.67	436.99	413.77	236.02	387.12	246.68	393.05	346.39	212.07	266.28	197.18
2/12/2024 14:05:48	447.35	418.42	436.78	413.53	235.76	386.88	246.44	392.82	346.22	211.83	266.06	196.89
2/12/2024 14:06:48	447.46	418.52	436.90	413.62	235.99	387.03	246.69	392.94	346.40	212.05	266.23	197.14
2/12/2024 14:07:47	447.56	418.63	437.01	413.74	236.17	387.17	246.92	393.07	346.71	212.20	266.46	197.19
2/12/2024 14:08:48	447.71	418.64	437.16	413.92	236.39	387.34	247.22	393.45	347.26	212.42	266.73	197.54
2/12/2024 14:09:47	448.02	418.84	437.44	414.15	236.33	387.51	247.20	393.70	347.43	212.40	266.70	197.56
2/12/2024 14:10:46	448.06	418.90	437.48	414.20	236.34	387.55	247.21	393.71	347.41	212.40	266.72	197.38
2/12/2024 14:11:47	448.30	419.06	437.73	414.42	236.70	387.84	247.62	394.06	347.98	212.70	267.17	197.63
2/12/2024 14:12:46	448.37	419.16	437.80	414.51	236.84	387.90	247.82	394.12	348.01	212.93	267.16	198.01
2/12/2024 14:13:45	448.16	418.97	437.59	414.34	236.83	387.67	247.89	393.94	348.02	212.94	267.11	198.07
2/12/2024 14:14:44	448.17	419.05	437.58	414.36	236.72	387.62	247.77	393.85	347.90	212.82	266.95	197.90
2/12/2024 14:15:44	448.54	419.35	437.96	414.69	237.19	388.04	248.26	394.26	348.32	213.29	267.33	198.41
2/12/2024 14:16:44	448.88	419.73	438.29	415.05	237.62	388.31	248.71	394.55	348.70	213.74	267.66	198.87
2/12/2024 14:17:44	448.71	419.52	438.15	414.88	237.65	388.32	248.78	394.52	348.68	213.79	267.65	198.88
2/12/2024 14:18:44	448.83	419.54	438.24	414.89	237.89	388.34	248.82	394.54	348.70	213.79	267.62	198.64
2/12/2024 14:19:44	449.15	419.92	438.56	415.25	237.95	388.63	249.09	394.83	349.04	214.05	267.95	198.94
2/12/2024 14:20:43	449.22	420.00	438.63	415.34	238.03	388.64	249.17	394.87	349.04	214.10	267.86	198.95
2/12/2024 14:21:43	449.19	419.92	438.60	415.28	238.13	388.69	249.28	394.90	349.10	214.21	267.92	199.02
2/12/2024 14:22:43	449.45	419.98	438.87	415.37	238.30	389.01	249.45	395.15	349.24	214.46	268.08	199.20
2/12/2024 14:23:42	449.25	419.86	438.67	415.24	238.04	388.84	249.15	395.00	349.07	214.09	267.88	198.24
2/12/2024 14:24:42	449.82	420.44	439.24	415.83	238.75	389.36	249.94	395.56	349.66	214.88	268.38	199.70
2/12/2024 14:25:41	450.12	420.82	439.51	416.13	239.05	389.52	250.29	395.68	349.88	215.15	268.64	200.07
2/12/2024 14:26:41	450.47	421.15	439.88	416.50	239.21	389.96	250.43	396.13	350.17	215.32	268.79	199.86
2/12/2024 14:27:40	450.46	421.09	439.86	416.44	239.23	389.91	250.48	396.09	350.12	215.35	268.73	200.01
2/12/2024 14:28:40	450.58	421.20	439.99	416.54	239.29	390.07	250.58	396.20	350.20	215.41	268.80	200.04

2/12/2024 14:29:40	450.42	421.03	439.83	416.38	239.15	389.91	250.42	396.06	350.03	215.18	269.60	199.79
2/12/2024 14:30:39	451.00	421.52	440.38	416.86	239.43	390.35	250.77	396.50	350.44	215.64	269.95	200.25
2/12/2024 14:31:39	450.99	421.63	440.38	416.94	239.08	390.35	250.99	396.50	350.44	215.83	269.99	200.58
2/12/2024 14:32:38	451.15	421.95	440.55	417.24	239.77	390.61	251.09	396.75	350.61	215.91	269.08	200.34
2/12/2024 14:33:38	451.31	421.90	440.71	417.23	239.93	390.79	251.22	396.90	350.70	216.04	269.18	200.26
2/12/2024 14:34:37	451.44	421.97	440.84	417.32	240.02	390.97	251.44	397.06	350.82	216.25	269.30	200.55
2/12/2024 14:35:37	451.55	421.94	440.96	417.35	240.14	391.17	251.62	397.26	350.97	216.41	269.42	200.89
2/12/2024 14:36:37	451.54	421.54	440.94	417.04	239.70	391.18	251.73	397.24	350.92	216.54	269.36	200.61
2/12/2024 14:37:36	451.63	420.88	441.00	416.56	239.50	391.31	251.79	397.30	350.90	216.59	269.37	200.98
2/12/2024 14:38:36	452.60	423.65	441.88	418.60	239.37	391.19	251.78	397.27	350.91	216.57	269.31	200.57
2/12/2024 14:39:35	451.46	421.56	440.90	417.08	239.62	391.39	251.98	397.39	350.92	216.76	269.35	201.29
2/12/2024 14:40:35	452.46	421.84	441.74	417.31	239.54	391.54	251.73	397.51	350.97	216.59	269.38	200.37
2/12/2024 14:41:35	454.50	420.63	443.30	416.40	239.53	391.42	251.83	397.39	350.86	216.69	269.27	200.71
2/12/2024 14:42:35	454.42	421.43	443.30	416.99	239.72	391.56	251.86	397.48	350.88	216.73	269.30	200.18
2/12/2024 14:43:34	454.84	421.79	443.68	417.28	239.54	391.72	251.57	397.62	350.92	216.47	269.28	200.56
2/12/2024 14:44:33	455.17	422.26	443.99	417.65	239.84	391.87	251.87	397.74	351.00	216.77	269.36	200.56
2/12/2024 14:45:34	455.04	421.30	443.87	416.97	239.90	392.06	251.86	397.88	351.01	216.76	269.35	200.95
2/12/2024 14:46:33	454.92	420.99	443.78	416.75	239.74	392.13	251.67	397.93	351.04	216.62	269.37	200.72
2/12/2024 14:47:33	455.87	422.07	444.62	417.56	240.06	392.25	251.89	398.04	351.15	216.85	269.51	200.98
2/12/2024 14:48:33	455.79	421.98	444.54	417.48	240.11	392.26	251.98	398.01	351.06	216.85	269.41	201.13
2/12/2024 14:49:32	455.92	422.26	444.62	417.68	240.18	392.03	252.14	397.89	351.14	217.07	269.51	201.10
2/12/2024 14:50:31	455.87	422.29	444.54	417.69	240.20	391.82	252.06	397.75	351.12	217.05	269.50	200.98
2/12/2024 14:51:31	455.76	422.36	444.42	417.74	240.35	391.67	252.27	397.66	351.13	217.23	269.52	201.38
2/12/2024 14:52:30	456.03	422.72	444.65	418.01	240.48	391.62	252.40	397.63	351.13	217.34	269.50	201.01
2/12/2024 14:53:30	455.97	422.65	444.59	417.94	240.42	391.51	252.42	397.55	351.09	217.32	269.48	201.78
2/12/2024 14:54:30	456.08	422.98	444.70	418.24	240.64	391.65	252.65	397.72	351.31	217.52	269.67	201.43
2/12/2024 14:55:29	456.27	423.40	444.85	418.62	240.92	391.52	252.99	397.76	351.60	217.26	269.96	201.51
2/12/2024 14:56:28	456.80	424.54	445.41	419.50	241.30	392.03	253.49	398.12	351.80	218.03	270.17	201.27
2/12/2024 14:57:28	457.17	425.44	445.80	420.22	241.69	392.41	253.89	398.45	352.11	218.01	270.47	199.36
2/12/2024 14:58:27	457.59	426.80	446.23	421.17	242.25	392.64	254.48	398.74	352.55	218.73	270.88	200.06
2/12/2024 14:59:27	457.80	426.72	446.46	421.28	242.30	393.03	254.58	398.99	352.61	218.84	270.94	200.32
2/12/2024 15:00:26	457.71	426.72	446.44	421.29	242.39	393.39	254.66	399.21	352.64	218.96	270.97	200.59
2/12/2024 15:01:26	457.61	427.43	446.45	421.89	242.98	393.76	255.30	399.54	352.94	219.69	271.26	201.34
2/12/2024 15:02:25	457.58	427.45	446.44	421.88	243.01	393.83	255.35	399.55	352.88	219.68	271.21	201.70
2/12/2024 15:03:25	458.28	427.70	447.04	422.05	243.04	394.05	255.40	399.65	352.80	219.84	271.10	201.83
2/12/2024 15:04:24	458.20	428.36	446.97	422.64	243.78	393.87	256.25	399.73	353.26	220.67	271.55	202.94
2/12/2024 15:05:24	456.78	428.71	445.93	422.94	243.75	394.41	256.18	400.09	353.36	220.57	271.66	203.05
2/12/2024 15:06:24	456.46	428.82	445.74	422.89	243.89	394.83	256.37	400.35	353.44	220.79	271.70	203.58
2/12/2024 15:07:23	455.16	429.51	444.64	423.46	243.93	394.35	256.45	399.95	353.12	220.91	271.42	203.70
2/12/2024 15:08:22	458.36	430.25	447.22	424.00	244.13	394.20	256.70	399.86	352.96	221.26	271.28	204.29
2/12/2024 15:09:23	457.20	430.27	446.28	424.03	244.50	394.22	257.11	399.90	352.94	221.73	271.31	204.59
2/12/2024 15:10:22	457.71	430.48	446.63	424.13	244.57	394.83	257.24	399.58	352.58	221.09	270.98	204.95
2/12/2024 15:11:21	461.29	430.92	449.57	424.52	244.71	394.04	257.38	399.81	352.82	222.10	271.19	205.39
2/12/2024 15:12:21	461.85	430.69	450.01	424.32	244.99	394.05	257.80	399.77	352.62	222.58	271.02	206.24

2/12/2024 15:13:21	462.27	432.10	450.44	425.39	245.19	394.27	258.02	399.96	352.74	222.87	271.12	206.33
2/12/2024 15:14:21	461.90	433.19	450.15	426.19	245.09	394.08	258.76	399.85	352.70	223.66	271.13	207.06
2/12/2024 15:15:20	462.30	432.94	450.47	426.01	245.95	394.09	259.02	399.85	352.68	223.96	271.10	207.20
2/12/2024 15:16:19	462.76	433.75	450.89	426.61	246.11	394.23	259.37	399.95	352.65	224.35	271.04	207.58
2/12/2024 15:17:20	463.66	434.17	451.67	427.01	246.44	394.55	259.78	400.26	352.98	224.76	271.34	207.98
2/12/2024 15:18:19	463.24	434.58	451.34	427.33	246.74	394.53	260.60	400.30	353.09	225.56	271.45	208.42
2/12/2024 15:19:18	463.25	434.96	451.38	427.65	246.61	394.65	260.74	400.43	353.24	225.08	271.55	208.55
2/12/2024 15:20:19	463.77	435.34	451.87	428.01	246.98	394.98	260.82	400.74	353.49	225.79	271.76	208.86
2/12/2024 15:21:19	463.36	435.79	451.58	428.38	247.02	395.11	261.04	400.87	353.67	225.96	271.90	209.02
2/12/2024 15:22:18	463.34	436.16	451.61	428.74	247.15	395.42	261.19	401.19	353.92	226.16	272.09	209.32
2/12/2024 15:23:18	463.36	436.16	451.65	428.76	247.02	395.57	260.98	401.31	353.95	226.01	272.06	209.32
2/12/2024 15:24:17	463.16	436.12	451.48	428.71	247.08	395.48	261.22	401.24	353.89	226.29	272.02	209.23
2/12/2024 15:25:16	463.25	436.32	451.59	428.94	247.14	395.74	261.35	401.50	354.10	226.38	272.12	209.40
2/12/2024 15:26:16	463.33	436.50	451.71	429.14	247.68	396.04	262.02	401.80	354.44	227.04	272.45	209.88
2/12/2024 15:27:15	463.24	436.63	451.68	429.27	247.75	396.15	261.99	401.91	354.50	227.03	272.42	209.85
2/12/2024 15:28:14	463.35	436.86	451.82	429.53	248.00	396.55	262.16	402.29	354.83	227.40	272.78	210.00
2/12/2024 15:29:14	463.23	436.90	451.74	429.59	248.04	396.64	262.09	402.38	354.86	227.33	272.70	209.91
2/12/2024 15:30:13	463.20	436.84	451.75	429.62	248.52	396.91	262.77	402.65	355.04	228.01	272.84	210.46
2/12/2024 15:31:13	463.52	437.18	452.10	430.01	248.28	397.41	262.31	403.16	355.52	227.69	273.26	210.40
2/12/2024 15:32:13	462.78	436.56	451.42	429.43	247.67	397.00	261.74	402.75	355.04	227.24	272.78	210.02
2/12/2024 15:33:12	463.33	437.14	451.96	430.04	248.14	397.49	262.34	403.31	355.49	227.72	273.01	210.40
2/12/2024 15:34:12	463.36	437.17	452.02	430.13	247.37	397.65	261.32	403.52	355.62	226.85	273.10	210.07
2/12/2024 15:35:12	463.55	437.30	452.20	430.30	247.89	397.84	262.03	403.76	355.77	227.52	273.18	210.35
2/12/2024 15:36:12	463.96	437.55	452.62	430.60	248.17	398.30	262.25	404.20	356.09	227.81	273.46	210.70
2/12/2024 15:37:11	463.94	437.54	452.59	430.82	247.82	398.20	261.88	404.18	356.05	227.42	273.31	210.36
2/12/2024 15:38:12	464.21	437.75	452.87	430.88	248.38	398.56	262.58	404.56	356.33	228.20	273.57	210.90
2/12/2024 15:39:11	464.60	438.03	453.23	431.19	248.75	398.76	263.05	404.85	356.61	228.64	273.72	211.30
2/12/2024 15:40:11	464.74	438.04	453.37	431.26	248.67	398.90	263.00	405.03	356.64	228.58	273.67	211.20
2/12/2024 15:41:11	464.92	438.13	453.50	431.38	249.02	398.84	263.44	405.10	356.76	229.15	273.67	211.48
2/12/2024 15:42:10	464.83	436.21	453.45	431.52	249.24	398.92	263.70	405.28	356.87	229.47	273.69	211.74
2/12/2024 15:43:09	465.73	439.26	454.31	432.57	250.52	399.58	265.15	406.11	357.43	231.01	274.09	212.80
2/12/2024 15:44:10	465.83	439.35	454.42	432.70	250.65	399.69	265.28	406.28	357.77	231.07	274.33	212.89
2/12/2024 15:45:09	464.36	439.51	453.21	432.88	250.44	399.49	265.14	406.27	357.11	231.16	273.57	212.90
2/12/2024 15:46:09	463.25	439.28	452.29	432.75	250.56	399.42	265.30	406.29	367.05	231.39	273.43	213.08
2/12/2024 15:47:08	468.11	440.01	452.21	433.35	250.51	399.36	265.21	406.38	357.19	231.27	273.49	212.94
2/12/2024 15:48:08	463.42	440.91	452.44	434.07	250.61	398.95	265.42	406.26	357.07	231.54	273.22	213.04
2/12/2024 15:49:08	463.44	440.99	452.46	434.21	250.77	398.94	265.59	406.40	356.80	231.65	272.89	213.20
2/12/2024 15:50:07	463.91	441.25	452.89	434.46	250.82	399.23	265.57	406.65	357.44	231.89	273.45	213.33
2/12/2024 15:51:07	464.57	441.77	453.52	435.05	251.45	399.68	266.20	407.26	358.10	232.59	274.00	213.94
2/12/2024 15:52:07	465.18	442.04	454.08	435.36	251.73	400.05	266.53	407.64	358.57	232.78	274.40	214.16
2/12/2024 15:53:06	465.67	442.04	454.52	435.40	251.89	400.31	266.68	407.87	358.61	233.30	274.39	214.46
2/12/2024 15:54:06	465.75	442.11	454.61	435.50	251.95	400.45	266.73	408.02	358.84	233.35	274.56	214.41
2/12/2024 15:55:06	465.96	442.13	454.80	435.54	252.09	400.57	266.82	408.15	358.93	233.42	274.57	214.51
2/12/2024 15:56:05	466.05	442.16	454.91	435.63	252.20	400.81	266.91	408.39	359.27	233.45	274.76	214.53

2/12/2024 15:57:05	466.44	442.11	455.27	435.65	252.38	401.07	267.03	408.88	359.38	233.56	274.82	214.65
2/12/2024 15:58:04	466.19	442.14	455.10	435.71	252.39	401.26	267.02	408.80	359.75	233.46	275.01	214.60
2/12/2024 15:59:04	467.07	442.74	455.93	436.34	253.16	401.90	267.74	409.48	360.85	234.18	275.67	215.41
2/12/2024 16:00:04	467.11	442.82	456.02	436.50	253.39	402.20	267.90	409.83	360.88	234.39	275.90	215.50
2/12/2024 16:01:03	467.56	443.10	456.41	436.77	253.62	402.34	267.99	410.00	361.13	234.44	275.97	215.56
2/12/2024 16:02:03	468.65	443.49	457.41	437.18	254.30	402.99	268.41	410.56	361.77	234.76	276.45	215.82
2/12/2024 16:03:03	468.53	443.79	457.34	437.49	254.34	403.14	268.53	410.80	361.98	234.86	276.58	215.98
2/12/2024 16:04:02	468.83	443.80	457.52	437.59	254.60	402.76	268.66	410.72	362.47	234.87	276.72	215.99
2/12/2024 16:05:01	469.37	443.74	458.00	437.56	254.49	403.07	268.51	410.92	362.39	234.77	276.58	215.87
2/12/2024 16:06:01	468.77	443.97	457.51	437.80	254.64	403.02	268.88	411.02	362.75	234.85	276.86	215.94
2/12/2024 16:07:01	471.31	443.86	459.71	437.74	254.66	403.96	268.65	411.57	362.76	234.80	276.79	215.86
2/12/2024 16:08:00	473.15	444.44	461.59	438.34	255.15	406.24	269.16	413.14	363.45	235.24	277.36	216.36
2/12/2024 16:09:00	473.25	444.89	461.77	438.79	255.37	406.75	269.41	413.62	363.84	235.39	277.64	216.56
2/12/2024 16:09:59	472.83	445.03	461.57	438.94	255.40	407.56	269.42	414.15	364.00	235.37	277.72	216.54
2/12/2024 16:10:58	473.74	445.21	462.52	439.13	255.40	408.88	269.47	415.00	364.17	235.36	277.85	216.55
2/12/2024 16:11:59	473.44	445.67	462.34	439.58	255.63	409.18	269.70	415.32	364.48	235.56	278.10	216.75
2/12/2024 16:12:58	473.38	446.06	462.23	439.94	255.82	408.67	269.90	415.18	364.72	235.73	278.24	216.89
2/12/2024 16:13:58	475.02	446.45	463.61	440.30	256.01	408.97	270.10	415.48	365.02	235.86	278.52	217.04
2/12/2024 16:14:57	475.16	446.68	463.70	440.50	256.05	408.84	270.15	415.46	365.10	235.89	278.53	217.01
2/12/2024 16:15:57	476.45	447.34	464.83	441.14	256.53	409.25	270.63	415.93	365.67	236.32	279.06	217.55
2/12/2024 16:16:56	476.63	447.68	465.01	441.47	256.75	409.43	270.86	416.16	365.93	236.45	279.24	217.50
2/12/2024 16:17:55	478.39	448.11	466.55	441.88	257.01	410.07	271.13	416.68	366.21	236.78	279.44	217.78
2/12/2024 16:18:56	478.37	448.16	466.55	441.95	256.91	410.17	271.02	416.80	366.22	236.65	279.36	217.61
2/12/2024 16:19:55	478.75	448.26	466.92	442.06	256.89	410.53	270.85	417.09	366.27	236.40	279.27	217.04
2/12/2024 16:20:55	479.37	448.99	467.51	442.78	257.45	410.94	271.84	417.59	366.99	237.07	279.97	217.69
2/12/2024 16:21:54	479.73	449.38	467.91	443.17	257.76	411.53	271.97	418.10	367.34	237.33	280.20	217.49
2/12/2024 16:22:54	480.16	449.61	468.37	443.42	258.06	412.20	272.33	418.61	367.60	237.57	280.30	217.74
2/12/2024 16:23:54	480.37	450.00	468.57	443.81	258.72	412.32	273.15	418.84	368.05	238.26	280.66	217.87
2/12/2024 16:24:53	480.51	450.17	468.81	444.04	259.51	412.99	274.22	419.41	368.50	238.16	280.76	218.33
2/12/2024 16:25:52	480.56	450.25	468.89	444.17	260.36	413.24	275.30	419.66	369.10	239.98	281.02	218.56
2/12/2024 16:26:52	480.99	450.75	469.37	444.73	260.93	414.01	275.96	420.40	369.77	240.64	281.49	219.22
2/12/2024 16:27:52	481.55	451.51	469.99	445.56	261.60	414.84	276.61	421.32	370.89	241.13	282.20	219.80
2/12/2024 16:28:52	481.82	451.75	470.30	445.90	260.65	415.33	275.39	421.87	370.69	239.98	281.06	218.34
2/12/2024 16:29:51	481.78	451.88	470.21	446.02	260.67	414.98	275.39	421.71	370.74	240.01	281.13	218.56
2/12/2024 16:30:51	482.00	452.40	470.50	446.57	261.17	415.56	275.82	422.33	371.34	240.23	281.69	218.68
2/12/2024 16:31:50	482.46	453.04	471.00	447.19	261.92	416.24	276.54	422.95	372.01	241.02	282.33	219.53
2/12/2024 16:32:49	482.82	453.43	471.49	447.62	262.37	417.39	276.89	423.83	372.52	241.23	282.84	219.87
2/12/2024 16:33:49	482.93	453.58	471.49	447.76	262.87	416.82	277.25	423.56	372.88	241.57	283.15	220.14
2/12/2024 16:34:48	482.88	454.83	471.40	448.97	264.26	416.48	278.41	423.83	374.55	242.40	285.05	221.35
2/12/2024 16:35:48	482.79	454.79	471.40	448.95	264.08	416.90	278.27	424.07	374.46	242.34	284.89	221.47
2/12/2024 16:36:47	482.99	454.69	471.58	448.59	264.05	416.96	278.21	423.63	374.29	242.22	285.13	221.33
2/12/2024 16:37:48	483.71	455.42	472.27	449.31	264.33	417.55	278.50	424.28	374.66	242.54	285.28	221.68
2/12/2024 16:38:47	484.39	456.31	472.91	450.23	264.64	417.91	278.79	424.93	375.22	242.84	285.61	222.03
2/12/2024 16:39:47	485.13	456.95	473.59	450.70	264.95	418.28	279.05	425.13	375.41	243.03	285.84	222.32

2/12/2024 16:40:46	485.60	457.32	474.08	451.16	265.15	418.89	279.26	425.80	375.70	243.29	285.87	222.77
2/12/2024 16:41:46	486.31	457.90	474.78	451.74	265.48	419.52	279.59	426.40	376.07	243.62	286.06	223.36
2/12/2024 16:42:46	486.70	457.88	475.17	451.78	265.27	419.97	279.38	426.78	376.04	243.44	285.92	223.34
2/12/2024 16:43:46	487.46	458.41	475.91	452.34	265.65	420.62	279.73	427.40	376.55	243.79	286.30	223.67
2/12/2024 16:44:46	487.69	458.54	478.14	452.50	265.51	420.88	279.61	427.65	376.57	243.68	286.25	223.54
2/12/2024 16:45:46	488.05	458.82	478.48	452.76	265.65	421.14	279.77	427.88	376.79	243.78	286.36	223.98
2/12/2024 16:46:46	487.80	458.57	478.24	452.55	265.39	420.90	279.52	427.71	376.53	243.43	285.94	223.38
2/12/2024 16:47:45	488.82	459.40	477.25	453.38	266.29	421.87	280.44	428.63	377.27	244.30	286.55	224.21
2/12/2024 16:48:45	489.89	480.43	478.29	454.43	266.87	422.77	280.98	429.61	378.04	244.83	287.16	224.65
2/12/2024 16:49:44	490.00	460.61	478.37	454.58	267.18	422.74	281.41	429.63	377.82	244.96	288.75	224.80
2/12/2024 16:50:43	489.77	460.33	478.12	454.47	268.27	422.40	282.85	429.59	380.21	245.70	288.42	225.51
2/12/2024 16:51:44	490.41	480.80	478.76	454.70	289.56	423.04	284.28	429.77	382.43	246.54	290.94	225.91
2/12/2024 16:52:43	490.86	461.29	479.14	455.18	269.64	423.06	284.30	429.96	381.92	246.72	290.34	225.86
2/12/2024 16:53:42	491.50	461.80	480.37	456.64	269.79	427.25	284.27	434.13	383.17	248.70	290.16	225.81
2/12/2024 16:54:42	492.57	463.03	481.38	457.65	270.63	427.92	285.04	434.68	383.64	247.48	290.63	226.32
2/12/2024 16:55:41	494.02	464.68	482.63	458.95	271.40	428.14	285.70	434.95	383.96	248.15	290.94	226.64
2/12/2024 16:56:41	495.88	465.27	484.08	459.41	271.64	427.74	285.92	434.77	384.18	248.36	291.10	226.78
2/12/2024 16:57:40	494.80	465.65	483.17	459.70	272.00	427.43	286.22	434.60	384.24	248.68	291.24	226.96
2/12/2024 16:58:40	495.90	466.25	484.16	460.22	272.33	427.92	286.59	435.01	384.31	249.10	291.22	227.09
2/12/2024 16:59:40	495.92	466.66	484.05	460.59	272.81	427.14	287.06	434.68	384.42	249.66	291.40	227.48
2/12/2024 17:00:40	496.00	467.11	484.17	460.93	273.12	427.40	287.41	434.84	384.39	250.05	291.39	227.71
2/12/2024 17:01:40	496.43	467.29	484.61	461.09	273.00	427.89	287.27	435.16	384.15	250.01	291.11	227.68
2/12/2024 17:02:39	497.39	468.02	485.60	461.87	273.79	429.13	288.19	436.27	384.80	250.89	291.53	228.31
2/12/2024 17:03:38	497.58	468.27	485.86	462.12	274.04	429.73	288.44	436.71	384.68	251.17	291.61	228.60
2/12/2024 17:04:38	498.47	468.87	486.66	462.66	274.62	430.11	289.13	437.09	385.03	251.76	291.81	228.99
2/12/2024 17:05:38	499.10	469.23	487.57	463.26	274.93	432.43	289.53	438.95	385.74	252.15	292.39	229.27
2/12/2024 17:06:37	499.02	469.39	487.22	463.18	275.53	430.77	290.20	437.69	385.60	252.68	292.43	229.86
2/12/2024 17:07:36	500.16	470.04	488.79	464.05	276.07	434.49	290.78	440.43	386.51	253.21	293.07	230.33
2/12/2024 17:08:37	501.33	471.17	489.81	465.31	276.73	434.77	291.40	441.29	387.63	253.64	294.62	230.66
2/12/2024 17:09:36	502.65	471.82	491.09	465.97	277.25	435.97	291.85	442.28	388.26	253.96	295.00	230.96
2/12/2024 17:10:36	503.61	472.79	492.04	466.98	277.70	436.85	292.06	443.26	388.84	254.11	295.38	231.08
2/12/2024 17:11:36	504.04	473.45	492.42	467.58	278.16	436.91	292.27	443.49	389.25	254.23	295.60	231.21
2/12/2024 17:12:35	504.43	473.91	492.79	467.96	278.45	437.18	292.46	443.72	389.47	254.46	295.72	231.36
2/12/2024 17:13:34	505.14	474.49	493.51	468.58	278.97	437.95	293.01	444.46	390.20	254.89	296.39	231.73
2/12/2024 17:14:34	505.85	474.85	494.13	468.84	279.10	438.15	293.13	444.57	390.37	254.95	296.44	231.70
2/12/2024 17:15:33	506.52	475.27	494.53	469.12	279.94	437.34	293.96	444.06	390.77	255.25	296.95	231.42
2/12/2024 17:16:32	507.71	475.85	495.36	469.64	280.65	436.49	294.93	443.73	391.56	256.34	297.87	232.22
2/12/2024 17:17:32	507.64	475.90	495.13	469.63	280.33	435.41	294.38	443.05	391.24	255.88	297.37	232.32
2/12/2024 17:18:31	507.90	475.33	495.14	468.91	279.77	434.28	293.83	441.93	390.66	255.13	296.76	231.07
2/12/2024 17:19:31	508.48	476.51	495.80	470.11	278.88	435.24	291.82	443.01	391.94	252.88	297.83	230.15
2/12/2024 17:20:30	509.27	477.12	496.55	470.24	278.44	435.86	291.29	442.82	392.05	252.20	298.05	230.02
2/12/2024 17:21:29	510.09	476.95	497.25	469.96	279.26	436.14	292.30	442.72	392.80	252.99	298.64	230.49
2/12/2024 17:22:30	509.99	474.80	497.15	468.46	280.30	436.73	293.45	443.14	394.09	253.80	299.78	231.27
2/12/2024 17:23:29	511.00	476.30	498.12	469.62	280.79	437.35	294.04	443.58	394.68	254.37	300.14	231.54

2/12/2024 17:24:29	511.39	476.49	498.52	469.81	282.08	437.97	294.43	444.00	395.00	254.68	300.23	231.62
2/12/2024 17:25:28	511.76	476.97	498.97	470.28	282.70	438.80	295.08	444.65	395.43	255.27	300.39	232.18
2/12/2024 17:26:28	512.61	477.66	499.84	471.00	283.55	439.82	296.00	445.58	396.06	256.22	300.81	232.93
2/12/2024 17:27:28	513.22	478.39	500.52	471.50	284.23	440.83	296.76	446.08	396.34	256.93	301.03	233.14
2/12/2024 17:28:28	513.53	478.94	500.94	471.91	285.15	441.75	297.82	446.60	396.78	257.91	301.48	234.11
2/12/2024 17:29:28	513.74	479.34	501.26	472.15	285.84	442.60	298.61	446.99	396.99	258.63	301.78	235.12
2/12/2024 17:30:27	514.25	480.17	501.82	472.94	286.88	443.38	299.87	447.72	397.68	259.82	302.35	237.35
2/12/2024 17:31:27	514.38	480.65	502.15	473.26	287.72	444.62	300.92	448.36	397.87	260.77	302.59	237.93
2/12/2024 17:32:26	514.87	481.69	502.70	474.31	288.91	445.34	302.33	449.25	398.76	262.03	303.24	238.79
2/12/2024 17:33:26	515.28	482.54	503.27	475.21	289.90	446.04	303.46	450.44	399.67	263.03	303.90	239.40
2/12/2024 17:34:25	517.59	483.93	505.57	476.61	291.01	448.98	304.45	452.37	400.78	263.90	304.47	239.98
2/12/2024 17:35:24	518.53	485.23	506.48	477.97	292.42	449.66	305.41	453.44	402.00	264.72	304.91	240.47
2/12/2024 17:36:24	519.27	486.45	507.19	479.12	293.00	450.11	306.90	454.11	402.96	265.01	305.43	240.31
2/12/2024 17:37:24	520.14	487.91	508.07	480.26	293.91	450.94	306.77	454.69	403.90	265.59	306.10	240.48
2/12/2024 17:38:24	520.95	488.84	508.88	481.12	294.53	451.71	307.47	455.41	404.80	266.07	306.92	240.41
2/12/2024 17:39:24	522.07	489.60	509.94	481.78	295.04	452.56	307.95	456.06	405.34	266.36	307.40	240.32
2/12/2024 17:40:24	522.38	490.44	510.29	482.62	295.94	452.95	309.13	456.66	406.05	267.43	307.93	240.37
2/12/2024 17:41:23	522.82	491.26	510.70	483.42	296.81	453.14	310.23	457.09	406.63	268.35	308.33	240.52
2/12/2024 17:42:23	523.36	491.93	511.12	484.09	297.49	452.88	311.04	457.24	407.22	269.07	308.85	240.81
2/12/2024 17:43:22	523.69	493.11	511.39	485.21	298.69	452.71	312.34	457.55	408.19	270.33	309.80	241.61
2/12/2024 17:44:22	522.42	493.91	510.40	485.97	299.41	452.80	312.96	457.90	408.91	270.83	310.44	241.74
2/12/2024 17:45:22	522.82	494.50	510.78	486.59	300.08	452.99	313.61	458.32	409.70	271.37	311.34	241.96
2/12/2024 17:46:21	524.15	495.62	512.07	487.73	301.22	454.15	314.29	459.49	410.67	271.95	312.47	242.26
2/12/2024 17:47:20	525.27	496.65	513.34	488.78	301.98	456.21	314.94	461.12	411.58	272.48	313.29	242.56
2/12/2024 17:48:20	525.75	497.52	513.81	489.52	302.55	456.55	315.51	461.49	412.11	273.01	313.78	242.80
2/12/2024 17:49:19	526.68	498.77	514.99	490.74	303.11	458.89	316.03	463.30	412.92	273.36	314.38	242.81
2/12/2024 17:50:18	527.49	499.29	515.70	491.23	303.21	459.15	316.07	463.62	413.23	273.47	314.57	242.73
2/12/2024 17:51:18	528.67	499.85	516.79	491.77	302.74	459.90	315.37	464.26	413.58	272.51	314.87	241.97
2/12/2024 17:52:17	530.03	500.59	518.11	492.64	303.30	461.09	316.29	465.48	414.77	273.54	316.08	242.49
2/12/2024 17:53:17	531.12	502.22	519.12	494.06	302.86	461.63	315.09	466.14	416.32	271.26	317.32	241.28
2/12/2024 17:54:17	532.16	503.70	520.22	495.56	304.09	462.97	316.99	467.56	418.90	272.85	320.57	241.90
2/12/2024 17:55:17	533.22	504.74	521.25	496.51	304.25	463.93	317.28	468.39	420.19	272.66	322.90	241.57
2/12/2024 17:56:16	534.30	506.09	522.32	497.73	305.40	464.98	318.62	469.35	421.64	273.68	324.26	241.72
2/12/2024 17:57:16	536.27	507.59	524.21	499.53	306.40	466.49	319.80	471.38	423.03	274.69	324.79	242.17
2/12/2024 17:58:15	538.45	509.65	526.25	501.65	307.88	467.78	321.63	473.12	424.45	276.44	325.64	243.20
2/12/2024 17:59:15	539.95	510.90	527.83	502.97	308.81	469.77	323.37	474.89	425.79	277.96	326.84	244.15
2/12/2024 18:00:14	540.45	511.61	528.37	503.80	309.35	470.50	324.77	475.82	427.08	279.12	328.17	244.87
2/12/2024 18:01:13	540.07	510.38	528.14	503.19	310.11	470.87	325.84	476.57	428.62	279.82	329.75	245.63
2/12/2024 18:02:13	539.73	509.25	527.86	503.00	311.53	471.24	327.61	477.81	430.70	281.24	331.51	245.75
2/12/2024 18:03:12	541.00	511.01	529.14	505.31	313.19	472.52	329.56	480.23	433.07	283.01	332.89	246.59
2/12/2024 18:04:11	542.51	512.08	530.64	505.08	314.61	474.05	331.21	479.37	432.17	284.52	333.39	247.47
2/12/2024 18:05:12	545.68	511.66	533.67	505.31	316.07	477.35	332.28	482.07	431.24	286.15	332.05	248.51
2/12/2024 18:06:11	547.52	513.07	535.66	506.80	317.80	480.25	334.10	484.44	432.76	287.79	333.18	249.33
2/12/2024 18:07:10	549.36	514.80	537.61	508.53	320.29	482.80	336.85	486.63	434.47	290.35	334.69	250.78

2/12/2024 18:08:10	552.14	517.05	540.23	510.76	322.37	484.73	339.04	488.65	436.75	292.14	336.78	252.03
2/12/2024 18:09:10	554.96	520.49	542.86	513.90	323.01	486.31	341.03	490.55	439.61	293.54	337.55	252.88
2/12/2024 18:10:10	556.18	522.24	544.21	515.77	321.81	488.22	338.69	492.59	441.93	290.62	339.67	251.22
2/12/2024 18:11:10	557.39	524.30	545.57	517.88	323.47	490.20	340.47	494.69	444.17	291.98	341.78	252.03
2/12/2024 18:12:09	559.68	526.48	547.96	520.18	325.56	493.10	342.23	497.48	446.79	293.26	344.71	253.02
2/12/2024 18:13:09	557.18	530.35	546.57	523.80	327.96	496.17	344.20	500.48	449.59	294.90	347.18	254.13
2/12/2024 18:14:08	559.14	533.09	548.54	526.42	327.93	498.10	343.12	502.57	451.96	293.14	349.03	253.10

ZONA 3: 30/11/2024

Temo	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8
X [m]	763646.54	763646.54	763645.29	763646.54	763647.79	763645.29	763646.54	763646.54
Y [m]	9252255.93	9252258.43	9252259.68	9252259.68	9252259.68	9252262.18	9252262.18	9252263.43
Z [m]	3721.33	3721.21	3719.96	3721.08	3722.44	3719.77	3720.82	3720.74
30/11/2024 00:00:55	12.61	12.50	22.65	14.88	18.48	18.54	25.50	24.35
30/11/2024 00:01:54	12.10	11.84	22.21	14.27	18.13	18.01	25.14	24.01
30/11/2024 00:02:53	12.67	12.57	22.74	14.96	18.57	18.60	25.61	24.45
30/11/2024 00:03:53	12.15	11.90	22.27	14.33	18.16	17.96	25.17	24.02
30/11/2024 00:04:53	12.40	12.29	22.43	14.71	18.28	18.19	25.41	24.24
30/11/2024 00:05:52	12.36	12.09	22.50	14.52	18.40	18.23	25.39	24.23
30/11/2024 00:06:51	12.27	12.10	22.33	14.53	18.19	18.16	25.28	24.12
30/11/2024 00:07:51	12.12	11.85	22.28	14.29	18.16	18.02	25.18	24.03
30/11/2024 00:08:50	12.26	12.08	22.30	14.50	18.15	18.05	25.21	24.06
30/11/2024 00:09:50	12.14	11.92	22.23	14.37	18.12	17.98	25.22	24.07
30/11/2024 00:10:49	12.18	11.95	22.34	14.40	18.15	18.12	25.26	24.11
30/11/2024 00:11:49	12.37	12.14	22.42	14.57	18.32	18.16	25.40	24.26
30/11/2024 00:12:49	12.44	12.25	22.60	14.69	18.37	18.46	25.51	24.35
30/11/2024 00:13:49	12.40	12.17	22.57	14.62	18.41	18.48	25.49	24.34
30/11/2024 00:14:48	12.40	12.15	22.55	14.60	18.34	18.31	25.44	24.29
30/11/2024 00:15:47	12.46	12.16	22.67	14.60	18.47	18.47	25.48	24.34
30/11/2024 00:16:47	12.36	12.12	22.52	14.57	18.31	18.28	25.41	24.25
30/11/2024 00:17:47	12.21	11.88	22.43	14.34	18.27	18.22	25.30	24.15
30/11/2024 00:18:46	12.28	11.95	22.47	14.41	18.27	18.25	25.35	24.19
30/11/2024 00:19:45	12.25	11.96	22.41	14.42	18.26	18.19	25.32	24.17
30/11/2024 00:20:45	12.34	12.10	22.48	14.55	18.30	18.22	25.43	24.21
30/11/2024 00:21:44	12.35	12.08	22.46	14.54	18.32	18.17	25.42	24.24
30/11/2024 00:22:44	12.36	12.15	22.53	14.62	18.32	18.31	25.49	24.29
30/11/2024 00:23:43	12.40	12.09	22.56	14.54	18.41	18.23	25.47	24.30
30/11/2024 00:24:42	12.23	11.96	22.33	14.42	18.13	17.96	25.29	24.09
30/11/2024 00:25:41	12.25	11.92	22.51	14.38	18.28	18.20	25.35	24.18
30/11/2024 00:26:41	12.16	11.80	22.43	14.28	18.20	18.18	25.30	24.10
30/11/2024 00:27:40	12.44	12.19	22.58	14.64	18.40	18.23	25.51	24.33
30/11/2024 00:28:39	12.51	12.32	22.71	14.77	18.44	18.44	25.60	24.40
30/11/2024 00:29:39	12.29	12.00	22.56	14.47	18.35	18.29	25.47	24.29
30/11/2024 00:30:39	12.32	12.00	22.63	14.49	18.37	18.41	25.50	24.31
30/11/2024 00:31:38	12.23	11.86	22.59	14.37	18.35	18.27	25.49	24.31
30/11/2024 00:32:38	12.47	12.18	22.78	14.64	18.49	18.53	25.62	24.43
30/11/2024 00:33:37	12.40	12.10	22.67	14.58	18.42	18.37	25.57	24.39
30/11/2024 00:34:37	12.47	12.25	22.64	14.73	18.36	18.28	25.63	24.42
30/11/2024 00:35:37	12.39	12.15	22.65	14.62	18.40	18.22	25.58	24.38
30/11/2024 00:36:36	12.51	12.35	22.74	14.80	18.42	18.47	25.63	24.43
30/11/2024 00:37:36	12.36	12.04	22.68	14.54	18.40	18.39	25.58	24.40
30/11/2024 00:38:35	12.49	12.27	22.67	14.74	18.40	18.32	25.63	24.43

30/11/2024 00:39:35	12.47	12.24	22.00	14.73	18.42	18.29	25.66	24.48
30/11/2024 00:40:34	12.40	12.04	22.78	14.54	18.41	18.50	25.58	24.40
30/11/2024 00:41:33	12.41	12.04	22.75	14.57	18.45	18.40	25.71	24.53
30/11/2024 00:42:33	12.37	11.87	22.78	14.42	18.46	18.47	25.67	24.47
30/11/2024 00:43:34	12.34	12.00	22.65	14.52	18.38	18.25	25.64	24.45
30/11/2024 00:44:33	12.40	12.06	22.79	14.58	18.42	18.46	25.68	24.48
30/11/2024 00:45:32	12.46	12.20	22.74	14.70	18.46	18.36	25.69	24.50
30/11/2024 00:46:32	12.40	12.07	22.74	14.58	18.41	18.35	25.66	24.47
30/11/2024 00:47:32	12.46	12.18	22.76	14.68	18.45	18.36	25.69	24.50
30/11/2024 00:48:33	12.37	12.05	22.76	14.55	18.39	18.37	25.60	24.39
30/11/2024 00:49:32	12.36	12.00	22.77	14.52	18.42	18.43	25.65	24.46
30/11/2024 00:50:32	12.50	12.19	22.87	14.69	18.50	18.53	25.74	24.53
30/11/2024 00:51:31	12.37	12.03	22.76	14.52	18.41	18.42	25.57	24.39
30/11/2024 00:52:31	12.41	12.03	22.84	14.56	18.44	18.55	26.71	24.51
30/11/2024 00:53:30	12.39	12.02	22.84	14.54	18.48	18.44	25.68	24.49
30/11/2024 00:54:30	12.41	12.08	22.77	14.60	18.42	18.41	25.71	24.50
30/11/2024 00:55:30	12.18	11.65	22.68	14.23	18.38	18.25	25.61	24.42
30/11/2024 00:56:30	12.55	12.20	23.00	14.73	18.61	18.66	25.88	24.66
30/11/2024 00:57:30	12.43	12.05	22.83	14.57	18.52	18.40	25.74	24.55
30/11/2024 00:58:30	12.59	12.26	22.97	14.79	18.62	18.60	25.92	24.71
30/11/2024 00:59:30	12.38	11.96	22.85	14.50	18.49	18.43	25.74	24.55
30/11/2024 01:00:30	12.45	12.02	22.89	14.57	18.49	18.56	25.81	24.60
30/11/2024 01:01:29	12.33	11.90	22.89	14.44	18.44	18.56	25.68	24.49
30/11/2024 01:02:29	12.62	12.26	23.09	14.79	18.66	18.77	25.91	24.69
30/11/2024 01:03:28	12.48	12.03	22.97	14.58	18.55	18.63	25.83	24.60
30/11/2024 01:04:28	12.42	11.96	22.89	14.52	18.47	18.58	25.79	24.57
30/11/2024 01:05:27	12.40	11.96	22.95	14.52	18.55	18.62	25.81	24.61
30/11/2024 01:06:27	12.42	12.06	22.87	14.60	18.41	18.63	25.77	24.54
30/11/2024 01:07:27	12.54	12.15	22.96	14.71	18.60	18.64	25.95	24.74
30/11/2024 01:08:27	12.56	12.02	22.96	14.68	18.59	18.58	26.01	24.79
30/11/2024 01:09:26	12.46	11.97	22.90	14.59	18.54	18.53	25.97	24.77
30/11/2024 01:10:26	12.60	12.14	23.08	14.69	18.64	18.75	25.95	24.72
30/11/2024 01:11:26	12.52	12.05	23.04	14.64	18.61	18.72	25.98	24.78
30/11/2024 01:12:26	12.58	12.12	23.04	14.71	18.64	18.64	26.06	24.84
30/11/2024 01:13:25	12.50	12.08	23.00	14.66	18.60	18.68	25.97	24.78
30/11/2024 01:14:25	12.55	12.09	23.04	14.66	18.59	18.78	25.96	24.75
30/11/2024 01:15:25	12.64	12.20	23.03	14.77	18.66	18.65	26.02	24.83
30/11/2024 01:16:24	12.68	12.20	23.11	14.77	18.63	18.72	26.03	24.81
30/11/2024 01:17:24	12.43	11.92	22.96	14.51	18.51	18.57	25.87	24.66
30/11/2024 01:18:24	12.63	12.14	23.16	14.73	18.63	18.83	26.05	24.83
30/11/2024 01:19:23	12.67	12.26	23.06	14.80	18.60	18.70	25.98	24.77
30/11/2024 01:20:23	12.64	12.04	23.17	14.66	18.68	18.83	26.09	24.87
30/11/2024 01:21:22	12.48	11.82	23.09	14.45	18.60	18.71	26.00	24.80
30/11/2024 01:22:21	12.59	12.01	23.08	14.62	18.59	18.71	26.04	24.81

30/11/2024 01:23:21	12.35	11.59	23.01	14.28	18.60	18.66	26.06	24.86
30/11/2024 01:24:20	12.63	12.17	23.08	14.75	18.60	18.71	26.06	24.84
30/11/2024 01:25:20	12.55	12.07	23.04	14.64	18.59	18.69	25.97	24.76
30/11/2024 01:26:20	12.59	12.00	23.09	14.62	18.62	18.73	26.05	24.83
30/11/2024 01:27:20	12.71	12.10	23.27	14.72	18.78	18.93	26.19	24.98
30/11/2024 01:28:19	12.57	11.88	23.17	14.54	18.67	18.95	26.15	24.92
30/11/2024 01:29:19	12.51	11.91	23.16	14.53	18.65	18.84	26.04	24.82
30/11/2024 01:30:19	12.39	11.65	23.13	14.33	18.58	18.77	26.04	24.81
30/11/2024 01:31:19	12.51	11.86	23.10	14.51	18.56	18.75	26.11	24.90
30/11/2024 01:32:20	12.35	11.28	23.09	14.06	18.65	18.76	26.20	24.96
30/11/2024 01:33:19	12.47	11.83	23.10	14.48	18.60	18.70	26.05	24.85
30/11/2024 01:34:19	12.60	11.88	23.24	14.54	18.71	18.96	26.19	24.97
30/11/2024 01:35:19	12.57	11.94	23.22	14.58	18.72	18.86	26.15	24.95
30/11/2024 01:36:18	12.30	11.27	23.08	14.04	18.63	18.75	26.17	24.93
30/11/2024 01:37:18	12.53	11.88	23.24	14.52	18.72	18.85	26.19	24.98
30/11/2024 01:38:18	12.51	11.65	23.27	14.37	18.77	18.92	26.29	25.05
30/11/2024 01:39:17	12.47	11.73	23.25	14.43	18.74	18.90	26.24	25.03
30/11/2024 01:40:16	12.47	11.60	23.22	14.34	18.72	18.86	26.30	25.06
30/11/2024 01:41:16	12.48	11.75	23.28	14.43	18.74	18.87	26.18	24.98
30/11/2024 01:42:15	12.61	11.92	23.32	14.61	18.79	18.96	26.33	25.10
30/11/2024 01:43:15	12.81	12.25	23.51	14.89	18.93	19.12	26.45	25.24
30/11/2024 01:44:14	12.47	11.61	23.29	14.34	18.74	18.94	26.30	25.06
30/11/2024 01:45:14	12.92	12.51	23.41	15.11	18.88	19.03	26.44	25.22
30/11/2024 01:46:13	12.63	11.93	23.39	14.63	18.78	19.02	26.37	25.14
30/11/2024 01:47:13	12.56	11.82	23.31	14.52	18.78	18.88	26.33	25.11
30/11/2024 01:48:12	12.62	11.84	23.35	14.55	18.79	19.01	26.38	25.16
30/11/2024 01:49:11	12.58	11.88	23.38	14.60	18.85	18.93	26.45	25.24
30/11/2024 01:50:12	12.50	11.42	23.35	14.21	18.81	19.00	26.39	25.16
30/11/2024 01:51:11	12.64	11.98	23.43	14.65	18.85	19.00	26.36	25.15
30/11/2024 01:52:11	12.61	11.76	23.38	14.49	18.84	19.02	26.42	25.19
30/11/2024 01:53:11	12.62	12.01	23.46	14.72	18.86	19.03	26.48	25.27
30/11/2024 01:54:10	12.48	11.57	23.47	14.35	18.87	19.11	26.47	25.24
30/11/2024 01:55:10	12.71	12.14	23.56	14.82	18.97	19.17	26.55	25.34
30/11/2024 01:56:10	12.45	11.66	23.39	14.42	18.79	18.97	26.42	25.18
30/11/2024 01:57:10	12.56	12.04	23.47	14.71	18.84	18.98	26.37	25.15
30/11/2024 01:58:10	12.40	11.32	23.35	14.14	18.82	19.01	26.45	25.21
30/11/2024 01:59:09	12.68	11.96	23.57	14.69	19.00	19.17	26.58	25.38
30/11/2024 02:00:08	12.55	11.57	23.58	14.38	18.99	19.27	26.62	25.39
30/11/2024 02:01:09	12.75	12.09	23.73	14.81	19.13	19.36	26.70	25.48
30/11/2024 02:02:08	12.27	11.17	23.28	14.01	18.71	18.87	26.39	25.16
30/11/2024 02:03:08	12.26	11.53	23.30	14.27	18.68	18.87	26.26	25.05
30/11/2024 02:04:08	12.29	11.04	23.36	13.92	18.80	18.96	26.46	25.22
30/11/2024 02:05:08	12.50	11.83	23.42	14.57	18.81	18.94	26.48	25.27
30/11/2024 02:06:07	12.21	11.17	23.31	14.01	18.71	18.94	26.39	25.16

30/11/2024 02:07:06	12.39	11.59	23.44	14.39	18.88	18.99	26.57	25.35
30/11/2024 02:08:07	12.37	11.44	23.56	14.27	18.95	19.17	26.62	25.40
30/11/2024 02:09:07	12.24	12.05	23.62	14.75	18.85	19.07	26.47	25.25
30/11/2024 02:10:07	12.07	11.59	23.42	14.39	18.73	18.97	26.49	25.25
30/11/2024 02:11:06	12.34	12.03	23.61	14.76	18.89	19.02	26.60	25.38
30/11/2024 02:12:06	12.07	11.58	23.52	14.38	18.80	19.05	26.54	25.31
30/11/2024 02:13:06	12.35	12.09	23.64	14.81	18.94	19.09	26.62	25.41
30/11/2024 02:14:06	12.19	11.77	23.61	14.55	18.88	19.17	26.60	25.37
30/11/2024 02:15:06	12.20	11.93	23.54	14.65	18.78	19.03	26.46	25.25
30/11/2024 02:16:05	12.14	11.65	23.60	14.47	18.85	19.14	26.64	25.41
30/11/2024 02:17:05	12.42	12.16	23.81	14.88	19.07	19.28	26.72	25.49
30/11/2024 02:18:05	12.20	11.77	23.54	14.57	18.87	19.07	26.67	25.44
30/11/2024 02:19:05	12.21	11.97	23.63	14.70	18.84	19.19	26.55	25.34
30/11/2024 02:20:04	12.43	12.11	23.77	14.85	18.98	19.37	26.71	25.49
30/11/2024 02:21:03	12.60	12.33	23.85	15.04	19.11	19.33	26.60	25.59
30/11/2024 02:22:03	12.14	11.74	23.54	14.52	18.85	19.20	26.56	25.33
30/11/2024 02:23:03	12.22	11.93	23.57	14.63	18.74	19.05	26.41	25.20
30/11/2024 02:24:02	12.33	11.77	23.82	14.60	19.07	19.36	26.89	25.64
30/11/2024 02:25:03	12.37	11.97	23.78	14.74	19.04	19.29	26.78	25.55
30/11/2024 02:26:03	12.43	11.96	23.92	14.75	19.14	19.52	26.86	25.62
30/11/2024 02:27:02	12.61	12.15	24.03	14.96	19.35	19.59	27.13	25.91
30/11/2024 02:28:01	12.26	11.54	23.68	14.43	18.97	19.12	26.89	25.64
30/11/2024 02:29:01	12.14	11.60	23.56	14.45	18.86	18.99	26.73	25.50
30/11/2024 02:30:01	12.00	11.37	23.60	14.26	18.86	19.18	26.75	25.51
30/11/2024 02:31:00	12.31	11.77	23.83	14.61	19.11	19.33	26.92	25.68
30/11/2024 02:32:00	11.89	11.08	23.68	14.05	18.90	19.23	26.85	25.58
30/11/2024 02:32:59	12.24	11.75	23.73	14.59	18.95	19.15	26.83	25.60
30/11/2024 02:34:00	12.26	11.61	23.74	14.51	19.08	19.19	26.99	25.73
30/11/2024 02:34:59	12.33	11.73	23.90	14.58	19.21	19.32	26.97	25.72
30/11/2024 02:35:58	11.91	11.10	23.54	14.05	18.84	18.96	26.78	25.50
30/11/2024 02:36:58	12.17	11.41	23.70	14.34	19.03	19.14	26.97	25.70
30/11/2024 02:37:57	12.16	11.33	23.74	14.27	19.07	19.26	26.97	25.69
30/11/2024 02:38:56	12.38	11.87	23.74	14.70	19.04	19.13	26.91	25.66
30/11/2024 02:39:56	11.96	11.17	23.64	14.13	18.93	19.09	26.89	25.61
30/11/2024 02:40:55	11.75	10.97	23.49	13.92	18.83	18.96	26.70	25.45
30/11/2024 02:41:55	11.76	10.89	23.58	13.88	18.90	19.11	26.80	25.54
30/11/2024 02:42:55	11.89	11.19	23.68	14.12	18.92	19.15	26.80	25.57
30/11/2024 02:43:54	12.03	11.07	23.82	14.08	19.18	19.38	27.10	25.84
30/11/2024 02:44:53	11.94	11.26	23.67	14.20	18.98	19.12	26.90	25.67
30/11/2024 02:45:53	12.05	11.17	23.89	14.16	19.23	19.45	27.11	25.85
30/11/2024 02:46:53	12.26	11.64	23.95	14.55	19.20	19.41	27.12	25.89
30/11/2024 02:47:53	12.15	11.32	23.94	14.29	19.23	19.56	27.14	25.89
30/11/2024 02:48:53	12.37	11.83	23.94	14.70	19.19	19.48	27.09	25.86
30/11/2024 02:49:52	11.88	10.97	23.76	14.01	19.08	19.31	27.10	25.84

30/11/2024 02:50:51	12.03	11.35	23.68	14.30	19.00	19.14	26.99	25.79
30/11/2024 02:51:52	12.30	11.53	24.02	14.49	19.23	19.57	27.22	26.00
30/11/2024 02:52:52	12.10	11.36	23.79	14.30	19.05	19.27	27.02	25.82
30/11/2024 02:53:51	11.99	10.93	23.85	14.00	19.19	19.40	27.23	26.00
30/11/2024 02:54:50	11.96	10.84	23.77	13.93	19.18	19.43	27.28	26.07
30/11/2024 02:55:51	11.79	10.48	23.74	13.67	19.17	19.51	27.36	26.16
30/11/2024 02:56:50	12.08	11.17	23.79	14.21	19.15	19.38	27.27	26.11
30/11/2024 02:57:49	11.91	10.51	23.84	13.73	19.30	19.59	27.53	26.36
30/11/2024 02:58:49	12.04	10.98	23.82	14.10	19.19	19.47	27.44	26.28
30/11/2024 02:59:49	12.03	10.40	24.05	13.68	19.51	19.88	27.78	26.57
30/11/2024 03:00:48	11.58	8.98	23.69	12.49	19.38	19.74	27.65	26.47
30/11/2024 03:01:48	11.74	9.46	23.74	12.89	19.37	19.68	27.67	26.48
30/11/2024 03:02:47	11.91	9.74	23.90	13.12	19.47	19.81	27.74	26.56
30/11/2024 03:03:47	11.97	9.84	23.90	13.22	19.47	19.82	27.77	26.54
30/11/2024 03:04:46	11.94	9.84	23.90	13.24	19.50	19.78	27.82	26.64
30/11/2024 03:05:46	12.05	9.84	24.02	13.24	19.62	20.01	27.91	26.69
30/11/2024 03:06:45	12.08	9.96	24.07	13.35	19.68	19.95	27.93	26.72
30/11/2024 03:07:45	11.90	9.73	23.64	13.13	19.37	19.74	27.76	26.54
30/11/2024 03:08:44	11.79	9.40	23.84	12.86	19.45	19.76	27.77	26.57
30/11/2024 03:09:44	11.95	9.82	23.82	13.23	19.39	19.71	27.81	26.54
30/11/2024 03:10:43	11.84	9.87	23.85	13.24	19.29	19.72	27.68	26.43
30/11/2024 03:11:43	11.92	9.83	23.82	13.22	19.32	19.74	27.75	26.49
30/11/2024 03:12:42	11.82	8.63	23.77	13.06	19.32	19.60	27.74	26.53
30/11/2024 03:13:42	12.10	9.89	24.05	13.29	19.54	19.98	27.93	26.65
30/11/2024 03:14:41	12.20	9.90	24.18	13.31	19.74	20.15	28.07	26.85
30/11/2024 03:15:41	12.00	10.06	23.89	13.44	19.33	19.68	27.82	26.52
30/11/2024 03:16:41	11.95	9.65	23.88	13.08	19.45	19.72	27.83	26.61
30/11/2024 03:17:40	11.98	9.89	23.85	13.28	19.34	19.67	27.81	26.56
30/11/2024 03:18:40	11.96	9.78	23.96	13.18	19.42	19.75	27.82	26.58
30/11/2024 03:19:40	11.97	9.89	23.87	13.26	19.36	19.80	27.76	26.48
30/11/2024 03:20:40	11.99	9.92	23.98	13.29	19.45	20.05	27.80	26.55
30/11/2024 03:21:39	12.58	11.21	24.66	14.45	19.76	20.29	28.23	27.01
30/11/2024 03:22:39	11.73	9.48	24.08	12.83	19.40	20.40	27.52	26.35
30/11/2024 03:23:38	12.09	9.77	24.21	13.04	19.75	20.67	27.60	26.36
30/11/2024 03:24:37	11.95	9.55	23.90	12.89	19.48	20.58	27.58	26.40
30/11/2024 03:25:37	11.85	9.49	23.79	12.82	19.23	19.93	27.39	26.18
30/11/2024 03:26:37	11.96	9.83	23.84	12.97	19.34	19.79	27.55	26.33
30/11/2024 03:27:36	12.25	9.92	23.96	13.22	19.45	20.12	27.68	26.43
30/11/2024 03:28:36	11.96	9.61	23.69	12.93	19.19	19.97	27.46	26.25
30/11/2024 03:29:35	12.43	10.21	24.19	13.47	19.60	20.31	27.77	26.54
30/11/2024 03:30:35	12.31	10.12	24.04	13.38	19.48	20.21	27.65	26.47
30/11/2024 03:31:35	12.22	10.09	23.89	13.35	19.26	19.98	27.58	26.42
30/11/2024 03:32:34	12.07	10.15	23.91	13.43	19.25	19.88	27.60	26.47
30/11/2024 03:33:34	12.14	10.23	24.03	13.48	19.30	20.16	27.59	26.46

30/11/2024 03:34:34	12.08	10.27	24.04	13.54	19.25	20.15	27.64	26.53
30/11/2024 03:35:34	11.43	10.67	24.32	13.94	19.48	20.28	27.94	26.82
30/11/2024 03:36:34	12.25	10.60	24.12	13.89	19.46	20.06	27.94	26.82
30/11/2024 03:37:33	11.35	10.67	24.15	13.97	19.32	19.82	27.93	26.82
30/11/2024 03:38:33	11.81	10.95	24.42	14.26	19.56	19.97	28.19	27.10
30/11/2024 03:39:33	11.72	10.92	24.63	14.19	19.53	20.78	28.07	26.97
30/11/2024 03:40:33	12.32	11.26	24.96	14.49	19.85	21.09	28.29	27.20
30/11/2024 03:41:33	11.99	11.09	24.65	14.34	19.53	20.29	28.09	26.99
30/11/2024 03:42:33	12.16	11.09	24.57	14.35	19.48	20.35	28.06	26.97
30/11/2024 03:43:32	12.20	11.15	24.69	14.39	19.47	20.37	28.05	26.95
30/11/2024 03:44:32	12.24	11.19	24.77	14.43	19.47	20.43	28.05	26.96
30/11/2024 03:45:31	12.52	11.31	24.96	14.51	19.61	20.65	28.19	27.10
30/11/2024 03:46:31	12.48	11.29	24.94	14.50	19.62	20.70	28.08	26.99
30/11/2024 03:47:30	12.51	11.42	25.08	14.58	19.75	20.84	28.10	26.99
30/11/2024 03:48:29	12.87	11.66	25.31	14.82	19.97	21.12	28.33	27.24
30/11/2024 03:49:29	12.58	11.55	24.92	14.72	19.47	20.09	28.06	26.98
30/11/2024 03:50:28	12.86	11.71	25.21	14.90	19.70	20.74	28.28	27.21
30/11/2024 03:51:28	13.06	11.94	25.42	15.12	19.92	20.99	28.49	27.42
30/11/2024 03:52:27	13.32	12.02	25.66	15.16	20.12	21.23	28.54	27.47
30/11/2024 03:53:26	13.04	11.85	25.48	14.97	19.81	21.11	28.23	27.16
30/11/2024 03:54:25	13.19	11.79	25.74	14.95	19.97	21.85	28.39	27.34
30/11/2024 03:55:25	13.19	11.59	25.21	14.76	19.90	21.14	28.31	27.24
30/11/2024 03:56:25	12.94	11.33	25.11	14.50	19.78	21.23	28.15	27.09
30/11/2024 03:57:25	12.93	11.23	25.02	14.44	19.72	20.93	28.18	27.11
30/11/2024 03:58:24	12.80	10.86	25.12	14.13	19.75	21.10	28.17	27.11
30/11/2024 03:59:23	13.00	11.05	25.30	14.32	19.94	21.27	28.39	27.32
30/11/2024 04:00:23	12.71	10.31	25.20	13.70	19.82	21.30	28.30	27.24
30/11/2024 04:01:22	12.76	10.31	25.24	13.70	19.84	21.16	28.32	27.25
30/11/2024 04:02:23	12.91	10.54	25.18	13.90	19.84	21.23	28.37	27.30
30/11/2024 04:03:22	13.07	10.88	25.18	14.20	19.88	21.32	28.44	27.36
30/11/2024 04:04:22	13.02	10.53	25.16	13.90	19.87	20.96	28.44	27.36
30/11/2024 04:05:21	13.36	11.11	25.04	14.38	19.95	21.27	28.50	27.39
30/11/2024 04:06:22	13.47	11.41	25.39	14.62	20.11	21.71	28.54	27.43
30/11/2024 04:07:21	13.28	11.24	25.02	14.44	19.78	21.37	28.26	27.17
30/11/2024 04:08:20	13.18	11.20	24.81	14.39	19.59	20.88	28.14	27.05
30/11/2024 04:09:21	13.29	11.48	24.88	14.66	19.70	20.93	28.29	27.20
30/11/2024 04:10:20	13.26	11.61	25.05	14.80	19.72	21.21	28.36	27.27
30/11/2024 04:11:19	13.34	11.79	25.10	14.98	19.82	21.04	28.53	27.45
30/11/2024 04:12:19	13.25	11.69	25.27	14.87	19.74	21.40	28.38	27.24
30/11/2024 04:13:18	13.46	12.04	25.50	15.21	19.97	21.65	28.68	27.57
30/11/2024 04:14:17	13.40	11.99	25.63	15.13	19.89	21.98	28.51	27.49
30/11/2024 04:15:17	13.50	12.09	25.76	15.21	19.99	21.93	28.55	27.52
30/11/2024 04:16:17	13.42	12.05	25.75	15.16	19.88	21.97	28.46	27.43
30/11/2024 04:17:16	13.35	12.22	25.75	15.31	19.81	21.73	28.41	27.38

30/11/2024 04:18:17	13.52	12.31	26.05	15.40	19.93	22.18	28.55	27.53
30/11/2024 04:19:16	13.52	12.26	26.06	15.35	19.97	22.00	28.53	27.50
30/11/2024 04:20:15	13.37	12.25	25.97	15.31	19.78	22.03	28.33	27.31
30/11/2024 04:21:15	13.44	12.38	26.03	15.45	19.79	21.94	28.40	27.37
30/11/2024 04:22:15	13.31	12.15	26.00	15.24	19.64	22.19	28.30	27.28
30/11/2024 04:23:14	13.48	12.10	26.11	15.21	19.81	22.02	28.44	27.42
30/11/2024 04:24:14	13.70	12.38	25.98	15.46	20.11	22.47	28.64	27.62
30/11/2024 04:25:13	13.50	12.27	25.95	15.36	19.81	22.07	28.45	27.43
30/11/2024 04:26:13	13.42	12.20	25.95	15.29	19.81	22.29	28.41	27.39
30/11/2024 04:27:13	13.97	12.85	26.70	15.93	20.56	22.84	29.10	28.07
30/11/2024 04:28:12	13.53	12.19	25.99	15.32	19.95	22.25	28.59	27.57
30/11/2024 04:29:11	13.82	12.41	26.18	15.54	20.32	22.39	28.89	27.86
30/11/2024 04:30:12	13.60	12.06	26.01	15.24	20.07	22.40	28.78	27.75
30/11/2024 04:31:11	13.75	12.29	26.14	15.47	20.17	22.41	28.94	27.90
30/11/2024 04:32:10	13.71	12.37	25.87	15.56	20.04	22.82	28.88	27.84
30/11/2024 04:33:10	13.75	12.48	25.96	15.65	20.14	22.59	28.94	27.89
30/11/2024 04:34:09	13.92	12.62	26.25	15.80	20.27	23.00	29.13	28.09
30/11/2024 04:35:08	14.09	12.72	26.22	15.91	20.46	23.08	29.27	28.22
30/11/2024 04:36:08	14.11	12.74	26.35	15.92	20.46	23.08	29.26	28.22
30/11/2024 04:37:07	14.22	12.91	26.60	16.08	20.46	23.06	29.28	28.25
30/11/2024 04:38:06	14.11	12.83	26.59	16.00	20.42	23.04	29.28	28.23
30/11/2024 04:39:06	14.00	12.63	26.50	15.82	20.20	22.81	29.09	28.05
30/11/2024 04:40:05	13.49	12.28	25.97	15.46	19.86	22.46	28.69	27.64
30/11/2024 04:41:05	13.68	12.40	26.23	15.58	20.02	22.52	28.84	27.80
30/11/2024 04:42:06	13.65	12.37	26.21	15.55	19.93	22.65	28.79	27.76
30/11/2024 04:43:05	13.86	12.66	26.56	15.87	20.20	22.90	29.15	28.10
30/11/2024 04:44:04	13.68	12.47	26.30	15.68	20.05	22.91	28.96	27.92
30/11/2024 04:45:03	13.91	12.59	26.53	15.82	20.27	22.78	29.25	28.21
30/11/2024 04:46:04	14.01	12.80	26.71	16.04	20.37	23.25	29.44	28.41
30/11/2024 04:47:03	14.02	12.82	26.77	16.06	20.50	23.00	29.46	28.42
30/11/2024 04:48:03	13.78	12.59	26.52	15.83	20.24	22.91	29.24	28.20
30/11/2024 04:50:01	14.16	12.95	26.90	16.21	20.50	23.31	29.62	28.59
30/11/2024 04:51:00	13.77	12.52	26.31	15.78	20.11	22.69	29.22	28.19
30/11/2024 04:52:00	13.49	12.36	26.31	15.59	19.78	22.61	28.93	27.90
30/11/2024 04:52:59	13.79	12.55	26.41	15.80	20.19	22.63	29.25	28.20
30/11/2024 04:53:58	14.32	13.21	26.92	16.46	20.68	23.60	29.83	28.80
30/11/2024 04:54:59	13.85	12.60	26.33	15.88	20.19	23.00	29.37	28.33
30/11/2024 04:56:58	14.08	12.98	26.66	16.25	20.51	23.42	29.69	28.66
30/11/2024 04:58:58	13.96	12.65	26.32	15.93	20.38	22.94	29.48	28.44
30/11/2024 04:57:58	14.14	12.96	26.41	16.23	20.48	23.44	29.67	28.64
30/11/2024 04:58:58	13.60	12.50	25.97	15.78	19.99	22.66	29.20	28.16
30/11/2024 04:59:58	13.57	12.47	25.92	15.74	19.99	22.74	29.17	28.14
30/11/2024 05:00:57	13.49	12.39	25.84	15.65	19.90	22.39	29.07	28.03
30/11/2024 05:01:57	13.47	12.33	25.90	15.58	19.83	22.41	28.94	27.91

30/11/2024 05:02:58	13.48	12.32	25.70	15.58	19.88	22.45	29.02	27.99
30/11/2024 05:03:57	13.83	12.71	25.85	15.94	20.30	22.99	29.35	28.32
30/11/2024 05:04:56	13.76	12.69	25.82	15.97	20.10	22.92	29.41	28.37
30/11/2024 05:05:56	13.79	12.66	26.03	15.92	20.25	22.91	29.35	28.31
30/11/2024 05:06:55	13.81	12.67	26.04	15.95	20.22	22.79	29.44	28.39
30/11/2024 05:07:54	13.91	12.95	26.20	16.21	20.30	23.32	29.60	28.57
30/11/2024 05:08:54	14.03	12.96	26.19	16.24	20.52	23.04	29.73	28.68
30/11/2024 05:09:53	13.75	12.72	26.06	16.00	20.21	23.04	29.44	28.40
30/11/2024 05:10:52	13.71	12.66	25.89	15.95	20.22	22.88	29.44	28.39
30/11/2024 05:11:52	13.77	12.76	26.08	16.04	20.21	22.90	29.50	28.45
30/11/2024 05:12:51	13.80	12.80	26.33	16.10	20.33	22.61	29.61	28.57
30/11/2024 05:13:51	13.68	12.70	25.92	15.98	20.20	22.86	29.47	28.42
30/11/2024 05:14:50	13.68	12.70	25.93	15.97	20.24	22.82	29.44	28.39
30/11/2024 05:15:50	13.73	12.86	26.05	16.11	20.19	23.06	29.45	28.41
30/11/2024 05:16:49	13.71	12.90	26.21	16.16	20.19	22.92	29.51	28.45
30/11/2024 05:17:48	13.92	13.00	26.23	16.24	20.29	23.17	29.53	28.51
30/11/2024 05:18:47	13.76	12.96	26.31	16.20	20.22	22.89	29.51	28.47
30/11/2024 05:19:48	14.12	13.32	26.64	16.56	20.40	23.52	29.77	28.74
30/11/2024 05:20:47	13.94	12.99	26.50	16.23	20.31	23.03	29.56	28.53
30/11/2024 05:21:47	13.51	12.84	26.37	16.09	20.05	23.08	29.36	28.33
30/11/2024 05:22:46	13.75	13.01	26.59	16.26	20.22	23.09	29.53	28.50
30/11/2024 05:23:46	13.65	12.96	26.45	16.18	20.12	23.06	29.38	28.36
30/11/2024 05:24:46	13.83	13.08	26.62	16.32	20.24	22.94	29.54	28.51
30/11/2024 05:25:45	13.61	12.89	26.37	16.13	20.05	23.08	29.37	28.35
30/11/2024 05:26:45	13.53	12.79	26.15	16.03	20.04	22.71	29.33	28.29
30/11/2024 05:27:45	14.01	13.46	26.94	16.66	20.08	23.57	29.66	28.64
30/11/2024 05:28:44	14.12	13.50	26.76	16.68	20.45	23.25	29.74	28.71
30/11/2024 05:29:44	14.40	13.77	26.89	16.97	20.57	23.73	30.00	28.98
30/11/2024 05:30:43	13.98	13.27	26.19	16.49	20.38	23.22	29.69	28.66
30/11/2024 05:31:43	14.02	13.20	26.18	16.41	20.48	23.15	29.67	28.64
30/11/2024 05:32:42	13.93	13.02	25.87	16.25	20.22	23.08	29.55	28.52
30/11/2024 05:33:42	14.23	13.36	26.31	16.59	20.61	23.34	29.88	28.85
30/11/2024 05:34:42	13.74	12.89	25.74	16.12	19.94	22.86	29.33	28.30
30/11/2024 05:35:41	14.26	13.54	26.24	16.72	20.34	23.46	29.72	28.70
30/11/2024 05:36:41	14.31	13.29	26.51	16.53	20.80	23.19	29.96	28.91
30/11/2024 05:37:40	14.37	13.53	26.69	16.80	20.64	23.64	30.00	28.97
30/11/2024 05:38:39	14.29	13.38	26.53	16.64	20.79	23.58	30.07	29.04
30/11/2024 05:39:39	14.56	13.57	26.67	16.80	20.80	23.81	30.12	29.10
30/11/2024 05:40:38	14.05	13.12	26.39	16.38	20.47	23.32	29.81	28.77
30/11/2024 05:41:37	13.37	12.46	25.78	15.74	19.74	22.93	29.17	28.13
30/11/2024 05:42:37	13.96	12.86	25.92	16.11	20.18	23.13	29.50	28.47
30/11/2024 05:43:38	13.76	12.85	26.02	16.13	20.19	23.17	29.58	28.53
30/11/2024 05:44:37	13.64	12.78	25.81	16.09	20.29	23.07	29.69	28.63
30/11/2024 05:45:37	13.82	13.08	26.18	16.33	20.29	23.23	29.67	28.63

30/11/2024 05:46:36	13.84	13.30	26.75	16.55	20.48	23.22	29.88	28.84
30/11/2024 05:47:35	13.75	13.24	26.70	16.48	20.27	23.32	29.73	28.68
30/11/2024 05:48:36	13.55	13.01	26.38	16.26	20.19	23.03	29.58	28.53
30/11/2024 05:49:35	13.94	13.38	26.77	16.60	20.45	23.53	29.82	28.77
30/11/2024 05:50:34	13.77	13.29	26.64	16.51	20.28	23.07	29.73	28.67
30/11/2024 05:51:34	13.87	13.32	26.68	16.55	20.40	23.31	29.81	28.76
30/11/2024 05:52:34	13.95	13.38	26.54	16.59	20.45	23.23	29.82	28.76
30/11/2024 05:53:33	13.95	13.53	26.77	16.73	20.46	23.53	29.83	28.79
30/11/2024 05:54:33	14.09	13.54	26.92	16.78	20.65	23.63	30.09	29.03
30/11/2024 05:55:33	13.96	13.35	26.55	16.58	20.51	23.55	29.87	28.82
30/11/2024 05:56:32	14.25	13.81	26.89	17.04	20.79	23.87	30.29	29.23
30/11/2024 05:57:32	14.24	13.79	27.01	17.00	20.68	23.90	30.15	29.10
30/11/2024 05:58:31	14.02	13.54	26.76	16.75	20.43	23.55	29.91	28.86
30/11/2024 05:59:30	14.11	13.64	26.94	16.85	20.54	23.73	29.99	28.96
30/11/2024 06:00:30	14.09	13.57	26.86	16.79	20.56	23.81	30.02	28.99
30/11/2024 06:01:29	14.43	14.03	27.35	17.24	20.81	24.23	30.36	29.33
30/11/2024 06:02:28	14.04	13.59	27.00	16.79	20.44	23.56	29.92	28.89
30/11/2024 06:03:29	14.23	13.80	27.13	16.99	20.50	23.94	30.03	29.01
30/11/2024 06:04:28	14.07	13.70	26.98	16.90	20.43	23.87	30.02	28.99
30/11/2024 06:05:27	14.33	13.81	27.26	17.04	20.75	24.24	30.28	29.25
30/11/2024 06:06:27	14.13	13.61	27.24	16.86	20.53	23.96	30.19	29.16
30/11/2024 06:07:27	14.74	14.48	27.93	17.66	20.98	24.84	30.66	29.63
30/11/2024 06:08:27	14.39	13.85	27.35	17.10	20.87	24.29	30.44	29.41
30/11/2024 06:09:26	14.02	13.54	27.11	16.77	20.46	23.94	30.04	29.00
30/11/2024 06:10:25	14.08	13.63	27.22	16.88	20.56	23.81	30.19	29.15
30/11/2024 06:11:25	13.91	13.30	26.93	16.55	20.45	23.82	29.94	28.91
30/11/2024 06:12:24	13.85	13.32	26.89	16.57	20.38	23.75	29.91	28.88
30/11/2024 06:13:24	14.10	13.62	27.06	16.83	20.47	23.98	29.99	28.97
30/11/2024 06:14:23	14.06	13.54	27.21	16.81	20.61	23.94	30.19	29.16
30/11/2024 06:15:23	14.47	14.06	27.52	17.27	20.86	24.52	30.42	29.39
30/11/2024 06:16:22	14.18	13.79	27.24	17.01	20.56	24.10	30.20	29.16
30/11/2024 06:17:23	14.14	13.74	27.32	16.96	20.54	24.17	30.18	29.15
30/11/2024 06:18:22	14.11	13.72	27.26	16.95	20.59	24.02	30.20	29.17
30/11/2024 06:19:21	13.92	13.47	27.11	16.72	20.45	24.02	30.06	29.02
30/11/2024 06:20:20	14.31	13.75	27.35	17.02	20.84	24.25	30.45	29.41
30/11/2024 06:21:20	14.06	13.81	27.22	17.00	20.44	24.24	30.05	29.03
30/11/2024 06:22:19	14.70	14.40	27.84	17.58	20.98	24.50	30.64	29.61
30/11/2024 06:23:18	14.09	13.68	27.18	16.89	20.47	24.03	30.08	29.05
30/11/2024 06:24:18	14.51	14.20	27.77	17.39	20.86	24.57	30.49	29.47
30/11/2024 06:25:18	14.52	14.18	27.74	17.41	20.98	24.76	30.65	29.61
30/11/2024 06:26:18	14.23	13.76	27.33	17.00	20.70	24.20	30.34	29.31
30/11/2024 06:27:18	14.28	13.80	27.39	17.02	20.73	24.34	30.29	29.26
30/11/2024 06:28:17	14.22	13.73	27.41	16.99	20.66	24.17	30.37	29.32
30/11/2024 06:29:18	14.22	13.78	27.43	17.02	20.69	24.34	30.33	29.29

30/11/2024 06:30:17	14.38	13.93	27.56	17.16	20.80	24.07	30.44	29.40
30/11/2024 06:31:17	14.40	13.97	27.59	17.20	20.87	24.43	30.49	29.45
30/11/2024 06:32:16	14.38	13.99	27.78	17.23	20.78	24.42	30.49	29.44
30/11/2024 06:33:16	14.34	13.92	27.45	17.14	20.77	24.29	30.38	29.34
30/11/2024 06:34:15	14.39	13.80	27.36	17.07	20.90	24.32	30.58	29.51
30/11/2024 06:35:16	14.17	13.49	27.27	16.79	20.73	24.30	30.38	29.33
30/11/2024 06:36:15	14.19	13.58	27.42	16.89	20.83	24.01	30.49	29.42
30/11/2024 06:37:14	14.39	13.89	27.40	17.11	20.82	24.17	30.40	29.34
30/11/2024 06:39:00	14.31	13.76	27.38	17.01	20.79	24.21	30.43	29.36
30/11/2024 06:40:00	14.39	13.75	27.38	17.01	20.86	24.34	30.49	29.42
30/11/2024 06:40:59	15.03	14.23	28.09	17.54	21.65	25.01	31.25	30.20
30/11/2024 06:42:00	14.34	13.61	27.30	16.91	20.83	24.40	30.55	29.49
30/11/2024 06:42:59	14.17	13.54	27.13	16.80	20.65	24.02	30.28	29.21
30/11/2024 06:43:58	14.59	13.98	27.61	17.23	21.07	24.77	30.69	29.64
30/11/2024 06:44:57	14.45	13.95	27.66	17.22	20.99	24.46	30.68	29.61
30/11/2024 06:45:58	14.95	14.15	28.06	17.47	21.59	25.11	31.18	30.13
30/11/2024 06:46:57	14.74	13.97	27.76	17.26	21.27	24.71	30.87	29.81
30/11/2024 06:47:56	14.12	13.32	27.19	16.62	20.73	24.20	30.30	29.24
30/11/2024 06:48:56	14.54	13.97	27.68	17.25	21.07	24.83	30.76	29.69
30/11/2024 06:49:55	14.59	14.06	27.73	17.32	21.06	24.85	30.76	29.68
30/11/2024 06:50:54	14.42	13.81	27.48	17.10	20.95	24.53	30.67	29.60
30/11/2024 06:51:54	14.59	13.98	27.79	17.26	21.07	24.87	30.76	29.70
30/11/2024 06:52:53	14.39	13.87	27.40	16.97	20.89	24.52	30.81	29.53
30/11/2024 06:53:52	14.76	14.08	27.96	17.35	21.20	24.91	30.84	29.77
30/11/2024 06:54:53	14.72	13.87	28.01	17.22	21.33	24.75	31.05	29.98
30/11/2024 06:55:52	14.48	13.64	27.47	16.94	21.00	24.64	30.63	29.57
30/11/2024 06:56:51	14.52	13.73	27.49	17.07	21.13	24.71	30.86	29.79
30/11/2024 06:57:51	14.74	14.08	27.83	17.38	21.21	25.04	30.96	29.90
30/11/2024 06:58:51	14.66	14.13	27.79	17.41	21.10	24.96	30.91	29.83
30/11/2024 06:59:50	14.43	13.44	27.56	16.81	21.07	24.72	30.72	29.65
30/11/2024 07:00:50	15.11	14.46	28.20	17.76	21.56	25.30	31.36	30.28
30/11/2024 07:01:50	14.29	13.37	27.49	16.72	20.85	24.60	30.57	29.50
30/11/2024 07:02:49	14.63	14.03	27.78	17.27	21.02	24.74	30.69	29.62
30/11/2024 07:03:49	14.86	13.98	27.89	17.32	21.42	25.22	31.15	30.08
30/11/2024 07:04:48	14.22	13.36	27.35	16.72	20.81	24.57	30.58	29.50
30/11/2024 07:05:47	14.45	13.63	27.62	16.97	20.98	24.82	30.74	29.66
30/11/2024 07:06:48	15.21	14.65	28.50	17.96	21.68	25.83	31.54	30.47
30/11/2024 07:07:47	14.44	13.81	27.75	17.13	20.92	24.76	30.75	29.67
30/11/2024 07:08:47	14.40	13.61	27.60	16.95	20.95	24.72	30.73	29.65
30/11/2024 07:09:46	14.32	13.50	27.63	16.85	20.85	24.92	30.66	29.59
30/11/2024 07:10:45	14.25	13.45	27.54	16.82	20.85	24.75	30.68	29.60
30/11/2024 07:11:44	14.25	13.51	27.68	16.88	20.87	25.07	30.71	29.63
30/11/2024 07:12:44	14.01	13.16	27.42	16.56	20.68	24.72	30.55	29.45
30/11/2024 07:13:43	14.33	13.46	27.60	16.65	20.92	25.12	30.84	29.75

30/11/2024 07:14:42	14.17	13.29	27.55	16.72	20.89	24.82	30.79	29.69
30/11/2024 07:15:43	14.14	13.22	27.44	16.61	20.76	24.96	30.62	29.53
30/11/2024 07:16:43	14.41	13.45	27.48	16.84	21.03	24.97	30.80	29.71
30/11/2024 07:17:42	14.31	13.52	27.56	16.89	20.91	24.86	30.74	29.65
30/11/2024 07:18:42	14.31	13.40	27.60	16.83	21.01	24.79	30.89	29.79
30/11/2024 07:19:41	14.30	13.20	27.59	16.66	20.99	24.87	30.87	29.78
30/11/2024 07:20:41	14.18	13.16	27.56	16.59	20.89	24.52	30.70	29.60
30/11/2024 07:21:40	14.53	13.70	27.87	17.09	21.16	25.13	31.05	29.95
30/11/2024 07:22:39	14.69	13.64	28.07	17.08	21.43	25.05	31.25	30.16
30/11/2024 07:23:39	14.33	13.37	27.77	16.81	21.08	24.94	30.94	29.85
30/11/2024 07:24:38	14.53	13.59	27.88	17.00	21.17	25.01	31.03	29.94
30/11/2024 07:25:37	14.20	13.00	27.49	16.47	20.99	24.78	30.76	29.67
30/11/2024 07:26:37	14.32	13.22	27.72	16.66	21.05	24.83	30.85	29.76
30/11/2024 07:27:36	14.25	13.14	27.57	16.59	20.99	24.90	30.84	29.75
30/11/2024 07:28:36	14.21	13.22	27.82	16.67	21.00	24.92	30.86	29.77
30/11/2024 07:29:35	14.37	13.29	27.70	16.75	21.15	25.14	31.01	29.92
30/11/2024 07:30:35	14.77	13.83	28.20	17.26	21.40	25.58	31.36	30.27
30/11/2024 07:31:34	14.20	13.08	27.58	16.56	20.97	24.91	30.84	29.74
30/11/2024 07:32:34	14.37	13.29	27.84	16.76	21.13	25.10	31.05	29.96
30/11/2024 07:33:33	14.38	13.21	27.77	16.70	21.18	25.17	31.03	29.94
30/11/2024 07:34:33	14.60	13.49	27.99	16.95	21.32	25.16	31.18	30.09
30/11/2024 07:35:32	14.69	13.54	28.15	17.00	21.44	25.59	31.30	30.21
30/11/2024 07:36:32	14.57	13.45	27.94	16.91	21.25	25.23	31.18	30.08
30/11/2024 07:37:32	14.54	13.33	27.83	16.83	21.26	25.36	31.21	30.12
30/11/2024 07:38:31	14.64	13.41	28.03	16.92	21.33	25.52	31.31	30.21
30/11/2024 07:39:31	14.45	12.92	27.15	16.51	21.28	25.52	31.29	30.18
30/11/2024 07:40:30	14.51	12.92	26.87	16.48	21.23	25.19	31.13	30.03
30/11/2024 07:41:30	14.35	12.72	26.81	16.32	21.09	25.06	31.04	29.93
30/11/2024 07:42:30	14.57	12.93	27.05	16.52	21.26	25.29	31.21	30.11
30/11/2024 07:43:29	14.46	12.90	26.92	16.48	21.24	25.43	31.20	30.10
30/11/2024 07:44:29	14.61	13.10	27.39	16.66	21.28	25.53	31.30	30.19
30/11/2024 07:45:29	14.40	12.88	27.20	16.48	21.15	25.49	31.21	30.10
30/11/2024 07:46:28	14.35	12.71	26.92	16.31	21.16	25.19	31.08	29.98
30/11/2024 07:47:28	14.55	13.08	27.64	16.69	21.40	25.63	31.41	30.30
30/11/2024 07:48:27	14.63	13.17	27.61	16.76	21.42	25.71	31.45	30.34
30/11/2024 07:49:27	14.59	13.06	27.47	16.65	21.40	25.71	31.39	30.29
30/11/2024 07:50:27	14.44	12.91	27.50	16.52	21.24	25.41	31.23	30.13
30/11/2024 07:51:26	14.61	13.12	27.74	16.72	21.41	25.66	31.45	30.34
30/11/2024 07:52:25	14.65	13.14	27.64	16.78	21.50	25.74	31.57	30.46
30/11/2024 07:53:26	14.59	13.10	27.69	16.73	21.42	25.72	31.47	30.37
30/11/2024 07:54:26	14.64	13.23	27.79	16.84	21.42	25.73	31.48	30.38
30/11/2024 07:55:25	14.62	13.10	27.48	16.72	21.44	25.70	31.46	30.36
30/11/2024 07:56:24	14.84	13.38	27.79	16.99	21.85	25.92	31.69	30.59
30/11/2024 07:57:24	14.59	13.17	27.41	16.79	21.44	25.84	31.50	30.41

30/11/2024 07:58:23	14.97	13.48	27.85	17.13	21.74	26.16	31.90	30.80
30/11/2024 07:59:23	14.51	13.07	27.60	16.69	21.30	25.75	31.39	30.28
30/11/2024 08:00:23	14.70	13.24	27.84	16.87	21.47	25.91	31.58	30.47
30/11/2024 08:01:22	14.77	13.40	27.85	17.01	21.54	26.09	31.69	30.58
30/11/2024 08:02:22	14.60	13.13	27.67	16.78	21.34	25.83	31.56	30.45
30/11/2024 08:03:21	14.73	13.29	27.64	16.91	21.49	25.88	31.61	30.50
30/11/2024 08:04:21	14.81	13.34	27.89	16.97	21.50	25.98	31.68	30.57
30/11/2024 08:05:20	14.68	13.36	27.84	16.97	21.40	26.03	31.63	30.53
30/11/2024 08:06:20	14.70	13.37	27.94	17.00	21.49	25.91	31.67	30.56
30/11/2024 08:07:20	14.71	13.32	27.97	16.96	21.44	26.03	31.68	30.57
30/11/2024 08:08:20	14.75	13.49	28.07	17.12	21.53	25.96	31.80	30.69
30/11/2024 08:09:20	14.92	13.57	28.25	17.21	21.67	26.34	31.95	30.84
30/11/2024 08:10:20	14.84	13.47	28.20	17.13	21.58	26.22	31.88	30.77
30/11/2024 08:11:20	14.74	13.40	28.02	17.04	21.52	26.05	31.76	30.65
30/11/2024 08:12:20	14.67	13.33	28.15	16.98	21.40	25.90	31.66	30.56
30/11/2024 08:13:19	14.70	13.42	28.01	17.08	21.53	26.15	31.82	30.71
30/11/2024 08:14:19	14.66	13.40	28.18	17.04	21.45	25.98	31.70	30.60
30/11/2024 08:15:19	14.70	13.47	28.36	17.12	21.51	26.16	31.79	30.69
30/11/2024 08:16:20	14.72	13.50	28.24	17.16	21.54	26.11	31.86	30.75
30/11/2024 08:17:19	14.76	13.54	28.25	17.20	21.66	26.29	31.95	30.84
30/11/2024 08:18:18	14.76	13.61	28.37	17.27	21.66	26.30	31.97	30.87
30/11/2024 08:19:18	14.75	13.60	28.38	17.27	21.62	26.42	31.98	30.89
30/11/2024 08:20:18	14.63	13.46	28.24	17.12	21.50	26.26	31.83	30.72
30/11/2024 08:21:17	14.77	13.78	28.52	17.45	21.74	26.62	32.18	31.08
30/11/2024 08:22:17	14.58	13.49	28.09	17.15	21.50	26.22	31.85	30.75
30/11/2024 08:23:17	14.44	13.39	28.13	17.07	21.40	26.37	31.80	30.69
30/11/2024 08:24:16	14.44	13.41	28.31	17.08	21.41	26.33	31.80	30.70
30/11/2024 08:25:16	14.74	13.82	28.80	17.46	21.76	26.76	32.11	31.01
30/11/2024 08:26:15	14.83	13.76	28.49	17.41	21.80	26.53	32.11	31.01
30/11/2024 08:27:14	14.88	13.99	28.92	17.62	21.87	26.77	32.24	31.15
30/11/2024 08:28:13	14.42	13.33	28.31	17.02	21.39	26.25	31.80	30.70
30/11/2024 08:29:13	14.62	13.67	28.70	17.33	21.60	26.49	32.02	30.92
30/11/2024 08:30:12	14.65	13.67	28.62	17.34	21.61	26.51	32.04	30.94
30/11/2024 08:31:11	14.64	13.60	28.42	17.28	21.60	26.55	32.04	30.94
30/11/2024 08:32:11	14.81	13.70	28.66	17.40	21.75	26.77	32.19	31.10
30/11/2024 08:33:11	14.61	13.80	28.63	17.46	21.69	26.65	32.14	31.03
30/11/2024 08:34:11	14.61	13.81	28.78	17.48	21.68	26.63	32.14	31.05
30/11/2024 08:35:11	15.07	14.05	29.01	17.70	21.98	26.96	32.37	31.27
30/11/2024 08:36:11	14.43	13.45	28.33	17.16	21.41	26.50	31.94	30.88
30/11/2024 08:37:11	14.73	13.70	28.47	17.39	21.63	26.72	32.15	31.08
30/11/2024 08:38:11	14.80	13.75	28.56	17.44	21.70	26.82	32.22	31.14
30/11/2024 08:39:10	14.48	13.62	28.45	17.31	21.45	26.69	32.04	30.97
30/11/2024 08:40:09	14.81	13.88	28.85	17.58	21.76	27.06	32.38	31.32
30/11/2024 08:41:10	14.61	13.74	28.59	17.44	21.69	26.91	32.24	31.18

30/11/2024 08:42:09	14.56	14.01	29.08	17.73	21.93	27.33	32.49	31.44
30/11/2024 08:43:08	14.63	13.93	28.94	17.64	21.78	27.15	32.42	31.36
30/11/2024 08:44:08	14.41	13.65	28.63	17.38	21.59	26.92	32.20	31.15
30/11/2024 08:45:07	14.83	14.10	28.92	17.79	21.96	27.16	32.53	31.46
30/11/2024 08:46:07	14.73	14.21	29.33	17.91	21.90	27.38	32.61	31.56
30/11/2024 08:47:07	14.91	14.29	29.08	17.98	21.99	27.37	32.68	31.63
30/11/2024 08:48:06	14.24	13.66	28.77	17.39	21.52	26.99	32.18	31.12
30/11/2024 08:49:05	14.51	13.87	28.88	17.57	21.69	27.12	32.32	31.27
30/11/2024 08:50:06	15.34	14.70	29.45	18.39	22.40	27.77	33.09	32.04
30/11/2024 08:51:05	14.42	13.67	28.77	17.38	21.52	26.98	32.17	31.11
30/11/2024 08:52:05	14.58	13.99	29.01	17.72	21.82	27.31	32.55	31.48
30/11/2024 08:53:06	14.43	13.83	28.81	17.52	21.61	26.90	32.26	31.19
30/11/2024 08:54:05	14.88	14.20	29.19	17.90	21.94	27.37	32.63	31.56
30/11/2024 08:55:05	15.03	14.44	29.49	18.13	22.19	27.63	32.87	31.80
30/11/2024 08:56:04	14.75	14.12	29.29	17.84	21.83	27.39	32.64	31.57
30/11/2024 08:57:05	14.20	13.87	28.95	17.58	21.65	27.04	32.32	31.24
30/11/2024 08:58:04	14.72	14.16	29.31	17.87	21.84	27.46	32.64	31.56
30/11/2024 08:59:03	14.61	14.18	29.30	17.90	21.92	27.41	32.67	31.59
30/11/2024 09:00:03	14.92	14.33	29.34	18.03	21.99	27.44	32.76	31.68
30/11/2024 09:01:03	14.37	14.05	29.12	17.78	21.81	27.24	32.60	31.51
30/11/2024 09:02:03	14.52	14.23	29.45	17.97	21.94	27.56	32.78	31.70
30/11/2024 09:03:02	14.61	14.24	29.33	17.95	21.95	27.37	32.71	31.63
30/11/2024 09:04:02	14.51	14.18	29.32	17.89	21.87	27.36	32.65	31.56
30/11/2024 09:05:01	14.86	14.50	29.65	18.21	22.18	27.72	32.99	31.91
30/11/2024 09:06:00	14.69	14.39	29.55	18.10	22.08	27.55	32.82	31.74
30/11/2024 09:07:01	14.71	14.40	29.47	18.11	22.05	27.56	32.89	31.80
30/11/2024 09:08:00	14.68	14.28	29.37	18.00	21.95	27.44	32.76	31.68
30/11/2024 09:09:00	14.78	14.52	29.65	18.22	22.18	27.64	32.93	31.84
30/11/2024 09:10:00	14.56	14.40	29.53	18.11	22.05	27.41	32.85	31.77
30/11/2024 09:11:00	14.15	13.91	29.18	17.63	21.57	27.12	32.39	31.30
30/11/2024 09:12:00	15.03	14.69	29.74	18.40	22.32	27.67	33.11	32.02
30/11/2024 09:12:59	14.63	14.36	29.52	18.07	22.01	27.44	32.82	31.73
30/11/2024 09:13:59	14.88	14.66	29.81	18.37	22.27	27.74	33.11	32.03
30/11/2024 09:14:59	14.92	14.71	29.88	18.42	22.29	27.81	33.17	32.08
30/11/2024 09:15:58	14.59	14.41	29.56	18.12	22.08	27.48	32.87	31.78
30/11/2024 09:16:58	14.76	14.40	29.66	18.13	22.09	27.65	32.90	31.81
30/11/2024 09:17:57	14.79	14.52	29.80	18.24	22.12	27.71	32.99	31.91
30/11/2024 09:18:57	14.68	14.39	29.62	18.11	22.05	27.53	32.88	31.79
30/11/2024 09:19:56	14.62	14.49	29.79	18.21	22.08	27.71	32.93	31.84
30/11/2024 09:20:55	14.73	14.51	29.81	18.23	22.11	27.68	32.96	31.88
30/11/2024 09:21:56	14.63	14.42	29.69	18.15	22.03	27.67	32.92	31.83
30/11/2024 09:22:55	14.69	14.47	29.74	18.18	22.09	27.57	32.92	31.83
30/11/2024 09:23:54	14.79	14.50	29.73	18.22	22.10	27.61	32.98	31.89
30/11/2024 09:24:54	14.80	14.55	29.75	18.27	22.11	27.63	33.01	31.93

30/11/2024 09:25:55	14.97	14.75	29.96	18.47	22.32	27.85	33.20	32.10
30/11/2024 09:26:55	14.76	14.59	29.76	18.31	22.15	27.70	33.06	31.97
30/11/2024 09:27:54	14.70	14.58	29.79	18.31	22.14	27.71	33.06	31.98
30/11/2024 09:28:53	14.67	14.54	29.77	18.26	22.13	27.66	33.02	31.93
30/11/2024 09:29:53	14.84	14.64	29.91	18.36	22.22	27.75	33.09	32.01
30/11/2024 09:30:52	14.81	14.71	30.00	18.42	22.20	27.83	33.12	32.03
30/11/2024 09:31:52	14.66	14.58	29.86	18.32	22.12	27.80	33.12	32.03
30/11/2024 09:32:52	14.84	14.70	29.88	18.42	22.23	27.74	33.17	32.09
30/11/2024 09:33:51	14.97	14.73	30.04	18.45	22.23	27.83	33.17	32.09
30/11/2024 09:34:51	14.71	14.60	29.91	18.33	22.15	27.73	33.08	31.99
30/11/2024 09:35:51	14.95	14.78	30.09	18.49	22.26	27.79	33.21	32.12
30/11/2024 09:36:50	15.02	14.78	30.09	18.49	22.21	27.91	33.15	32.06
30/11/2024 09:37:50	15.11	15.06	30.23	18.74	22.42	28.01	33.29	32.19
30/11/2024 09:38:49	15.01	14.91	30.04	18.59	22.29	27.96	33.21	32.12
30/11/2024 09:39:48	15.14	15.00	30.19	18.68	22.35	27.95	33.26	32.18
30/11/2024 09:40:48	14.70	14.70	29.85	18.38	22.15	27.63	33.00	31.90
30/11/2024 09:41:47	14.59	14.61	29.87	18.29	21.97	27.50	32.89	31.78
30/11/2024 09:42:46	14.76	14.70	30.00	18.37	22.05	27.63	32.89	31.81
30/11/2024 09:43:46	14.67	14.60	29.92	18.28	21.98	27.53	32.86	31.77
30/11/2024 09:44:45	14.99	14.93	30.21	18.62	22.36	27.85	33.23	32.16
30/11/2024 09:45:44	14.58	14.73	29.95	18.40	22.18	27.45	32.95	31.87
30/11/2024 09:46:44	14.93	15.04	30.45	18.68	22.20	27.92	33.09	32.00
30/11/2024 09:47:44	15.05	15.03	30.43	18.68	22.31	27.91	33.15	32.07
30/11/2024 09:48:43	14.87	14.89	30.39	18.55	22.14	27.68	33.03	31.97
30/11/2024 09:49:43	15.03	15.18	30.48	18.84	22.38	28.07	33.32	32.25
30/11/2024 09:50:42	14.94	15.08	30.43	18.74	22.26	28.30	33.24	32.19
30/11/2024 09:51:41	15.19	15.33	30.64	18.98	22.47	28.49	33.41	32.36
30/11/2024 09:52:41	15.05	15.15	30.56	18.82	22.35	28.97	33.34	32.30
30/11/2024 09:53:40	15.01	15.17	30.65	18.83	22.22	29.22	33.29	32.25
30/11/2024 09:54:39	15.12	15.27	30.82	18.94	22.36	29.66	33.44	32.40
30/11/2024 09:55:39	15.31	15.45	30.95	19.08	22.40	29.91	33.43	32.40
30/11/2024 09:56:39	15.46	15.63	31.06	19.23	22.45	29.97	33.51	32.48
30/11/2024 09:57:39	15.48	15.62	31.10	19.20	22.30	29.90	33.37	32.35
30/11/2024 09:58:38	15.67	15.80	31.23	19.36	22.30	30.00	33.44	32.43
30/11/2024 09:59:38	15.86	15.90	31.44	19.46	22.37	30.15	33.51	32.52
30/11/2024 10:00:37	15.73	15.71	31.45	19.27	22.23	29.99	33.32	32.34
30/11/2024 10:01:36	15.76	15.84	31.57	19.25	22.42	30.25	33.48	32.50
30/11/2024 10:02:37	15.48	15.34	31.49	19.00	22.36	30.25	33.44	32.44
30/11/2024 10:03:36	15.29	15.32	31.36	19.00	22.40	30.07	33.49	32.52
30/11/2024 10:04:35	15.48	15.56	31.41	19.23	22.58	30.01	33.69	32.69
30/11/2024 10:05:36	15.66	15.76	31.61	19.40	22.52	30.18	33.71	32.73
30/11/2024 10:06:35	15.81	15.90	31.62	19.51	22.60	30.14	33.74	32.74
30/11/2024 10:07:34	15.97	16.07	31.72	19.63	22.60	29.90	33.70	32.72
30/11/2024 10:08:34	15.93	15.93	31.62	19.52	22.53	29.80	33.66	32.68

30/11/2024 10:09:34	15.98	15.93	31.75	19.53	22.50	29.76	33.67	32.70
30/11/2024 10:10:33	15.87	15.77	31.66	19.37	22.51	29.62	33.58	32.61
30/11/2024 10:11:33	15.97	15.80	31.76	19.43	22.57	29.65	33.73	32.76
30/11/2024 10:12:32	15.66	15.48	31.62	19.16	22.49	29.42	33.61	32.65
30/11/2024 10:13:32	15.81	15.56	31.72	19.25	22.67	29.50	33.76	32.61
30/11/2024 10:14:32	15.69	15.47	31.53	19.17	22.60	29.47	33.73	32.77
30/11/2024 10:15:31	15.63	15.48	31.57	19.20	22.54	29.53	33.78	32.82
30/11/2024 10:16:30	15.54	15.38	31.37	19.10	22.52	29.36	33.71	32.75
30/11/2024 10:17:31	15.80	15.68	31.56	19.39	22.78	29.60	33.99	33.03
30/11/2024 10:18:30	15.55	15.58	31.32	19.30	22.65	29.60	33.94	32.98
30/11/2024 10:19:29	15.58	15.61	31.37	19.33	22.70	29.61	33.94	32.98
30/11/2024 10:20:29	15.58	15.67	31.33	19.38	22.67	29.64	33.96	33.01
30/11/2024 10:21:29	15.71	15.80	31.48	19.50	22.63	29.72	34.01	33.06
30/11/2024 10:22:28	15.67	15.82	31.52	19.53	22.71	29.71	34.06	33.10
30/11/2024 10:23:29	15.63	15.77	31.43	19.46	22.54	29.56	33.93	32.98
30/11/2024 10:24:28	15.70	15.83	31.48	19.51	22.52	29.63	33.95	33.00
30/11/2024 10:25:27	15.73	15.89	31.56	19.57	22.57	29.72	33.99	33.03
30/11/2024 10:26:27	16.21	16.40	32.03	20.07	23.01	30.10	34.46	33.50
30/11/2024 10:27:27	16.01	16.15	31.75	19.81	22.59	29.80	34.15	33.20
30/11/2024 10:28:27	16.22	16.41	32.07	20.05	22.76	30.03	34.30	33.34
30/11/2024 10:29:26	16.12	16.24	31.87	19.89	22.59	29.94	34.13	33.19
30/11/2024 10:30:26	15.91	16.03	31.69	19.69	22.31	29.74	33.97	33.02
30/11/2024 10:31:26	16.01	16.18	31.76	19.81	22.39	29.75	34.03	33.08
30/11/2024 10:32:25	16.00	16.11	31.74	19.76	22.30	29.74	33.97	33.04
30/11/2024 10:33:25	16.11	16.27	31.85	19.90	22.48	29.81	34.06	33.11
30/11/2024 10:34:24	16.27	16.38	31.86	20.02	22.58	29.85	34.23	33.28
30/11/2024 10:35:24	16.26	16.38	32.00	20.02	22.48	29.97	34.19	33.25
30/11/2024 10:36:24	16.14	16.24	31.92	19.90	22.33	29.92	34.11	33.17
30/11/2024 10:37:24	16.33	16.48	32.01	20.11	22.49	29.98	34.27	33.34
30/11/2024 10:38:23	16.28	16.38	32.01	20.03	22.51	30.01	34.23	33.30
30/11/2024 10:39:23	16.22	16.36	31.89	20.00	22.44	29.89	34.19	33.27
30/11/2024 10:40:22	16.26	16.41	31.98	20.06	22.44	29.92	34.25	33.32
30/11/2024 10:41:22	16.64	16.74	32.25	20.36	22.72	30.19	34.47	33.55
30/11/2024 10:42:21	16.46	16.52	32.23	20.18	22.57	30.18	34.36	33.44
30/11/2024 10:43:20	16.37	16.45	32.10	20.09	22.46	30.07	34.26	33.34
30/11/2024 10:44:21	16.36	16.40	32.09	20.06	22.40	30.08	34.27	33.35
30/11/2024 10:45:20	16.38	16.44	32.14	20.11	22.50	30.10	34.32	33.39
30/11/2024 10:46:20	16.33	16.41	32.19	20.09	22.47	30.16	34.32	33.41
30/11/2024 10:47:19	16.38	16.48	32.27	20.15	22.57	30.19	34.38	33.45
30/11/2024 10:48:18	16.49	16.56	32.37	20.24	22.65	30.24	34.46	33.54
30/11/2024 10:49:18	16.46	16.60	32.43	20.28	22.50	30.26	34.46	33.54
30/11/2024 10:50:18	16.37	16.44	32.34	20.13	22.46	30.21	34.37	33.46
30/11/2024 10:51:17	16.39	16.54	32.45	20.23	22.47	30.23	34.45	33.54
30/11/2024 10:52:16	16.40	16.47	32.37	20.16	22.53	30.25	34.41	33.49

30/11/2024 10:53:17	16.68	16.73	32.75	20.43	22.77	30.47	34.72	33.81
30/11/2024 10:54:16	16.76	16.88	32.85	20.55	22.80	30.62	34.75	33.83
30/11/2024 10:55:16	16.78	16.89	32.99	20.58	22.83	30.60	34.83	33.92
30/11/2024 10:56:16	16.53	16.56	32.61	20.28	22.65	30.47	34.60	33.69
30/11/2024 10:57:15	16.70	16.81	32.83	20.51	22.81	30.55	34.78	33.86
30/11/2024 10:58:15	16.30	16.36	32.51	20.98	22.44	30.24	34.42	33.51
30/11/2024 10:59:15	16.42	16.43	32.60	20.20	22.59	30.46	34.68	33.77
30/11/2024 11:00:14	16.64	16.75	32.82	20.47	22.87	30.61	34.82	33.91
30/11/2024 11:01:13	16.53	16.55	32.68	20.33	22.80	30.77	34.87	33.96
30/11/2024 11:02:14	16.39	16.41	32.58	20.19	22.65	30.53	34.74	33.83
30/11/2024 11:03:13	16.66	16.75	32.86	20.49	22.88	30.67	34.92	34.01
30/11/2024 11:04:12	16.39	16.44	32.56	20.20	22.58	30.46	34.67	33.76
30/11/2024 11:05:12	16.49	16.55	32.56	20.31	22.68	30.54	34.80	33.89
30/11/2024 11:06:11	16.54	16.56	32.64	20.34	22.75	30.59	34.86	33.95
30/11/2024 11:07:11	16.67	16.74	32.83	20.51	22.88	30.78	35.03	34.13
30/11/2024 11:08:10	16.62	16.67	32.86	20.44	22.81	30.67	34.92	34.02
30/11/2024 11:09:09	16.72	16.82	32.91	20.58	22.88	30.76	35.01	34.11
30/11/2024 11:10:09	16.67	16.75	32.92	20.53	22.86	30.78	35.01	34.10
30/11/2024 11:11:08	16.71	16.78	32.94	20.55	22.90	30.79	35.03	34.13
30/11/2024 11:12:08	16.48	16.60	32.77	20.38	22.67	30.55	34.86	33.95
30/11/2024 11:13:08	16.84	16.91	33.06	20.69	23.05	30.93	35.20	34.30
30/11/2024 11:14:07	16.84	16.95	33.14	20.72	23.07	30.97	35.23	34.33
30/11/2024 11:15:07	16.64	16.73	32.97	20.52	22.83	30.79	35.03	34.13
30/11/2024 11:16:07	16.84	16.92	33.09	20.71	23.16	31.01	35.29	34.39
30/11/2024 11:17:06	16.68	16.77	33.03	20.57	22.93	30.91	35.14	34.24
30/11/2024 11:18:06	16.74	16.79	33.03	20.59	22.98	30.89	35.17	34.27
30/11/2024 11:19:06	16.82	16.87	33.11	20.67	23.03	30.97	35.24	34.34
30/11/2024 11:20:05	16.67	16.69	33.01	20.50	22.91	30.84	35.12	34.22
30/11/2024 11:21:04	17.12	17.19	33.41	20.97	23.38	31.21	35.51	34.61
30/11/2024 11:22:04	16.89	16.94	33.25	20.74	23.21	31.08	35.36	34.46
30/11/2024 11:23:03	16.85	16.93	33.21	20.74	23.14	31.03	35.35	34.45
30/11/2024 11:24:03	16.88	16.94	33.32	20.77	23.25	31.17	35.45	34.55
30/11/2024 11:25:03	16.89	16.98	33.29	20.80	23.22	31.13	35.43	34.53
30/11/2024 11:26:03	16.71	16.77	33.14	20.60	23.11	31.04	35.30	34.40
30/11/2024 11:27:02	16.80	16.86	33.27	20.70	23.15	31.05	35.37	34.48
30/11/2024 11:28:01	16.85	16.96	33.28	20.78	23.23	31.08	35.42	34.52
30/11/2024 11:29:00	16.99	17.12	33.42	20.93	23.35	31.22	35.57	34.67
30/11/2024 11:30:00	16.78	16.91	33.33	20.75	23.22	31.14	35.47	34.57
30/11/2024 11:30:59	16.88	17.05	33.45	20.89	23.26	31.23	35.55	34.65
30/11/2024 11:31:59	16.57	16.69	33.12	20.55	23.04	30.98	35.31	34.41
30/11/2024 11:32:58	17.13	17.28	33.56	21.11	23.53	31.42	35.82	34.92
30/11/2024 11:33:57	16.77	16.88	33.34	20.73	23.26	31.15	35.50	34.60
30/11/2024 11:34:57	16.83	17.00	33.43	20.84	23.32	31.20	35.57	34.67
30/11/2024 11:35:57	16.69	16.83	33.32	20.70	23.20	31.20	35.51	34.61

30/11/2024 11:36:57	17.25	17.45	33.83	21.29	23.70	31.64	36.03	35.13
30/11/2024 11:37:56	17.07	17.23	33.69	21.09	23.62	31.55	35.90	35.00
30/11/2024 11:38:56	16.88	17.04	33.52	20.92	23.49	31.33	35.76	34.87
30/11/2024 11:39:55	17.09	17.26	33.69	21.12	23.62	31.55	35.92	35.03
30/11/2024 11:40:55	16.65	16.79	33.30	20.67	23.23	31.13	35.52	34.63
30/11/2024 11:41:54	16.90	17.09	33.54	20.98	23.51	31.45	35.85	34.95
30/11/2024 11:42:53	16.89	17.12	33.55	21.00	23.44	31.41	36.80	34.91
30/11/2024 11:43:53	17.04	17.24	33.77	21.15	23.81	31.74	36.14	35.24
30/11/2024 11:44:53	17.02	17.28	33.70	21.15	23.62	31.54	35.99	35.09
30/11/2024 11:45:52	17.31	17.54	33.90	21.41	23.92	31.76	36.23	35.34
30/11/2024 11:46:51	16.83	17.06	33.57	20.97	23.55	31.52	35.93	35.04
30/11/2024 11:47:52	17.09	17.37	33.90	21.28	23.78	31.80	36.23	35.35
30/11/2024 11:48:51	16.89	17.16	33.53	21.07	23.82	31.55	36.11	35.21
30/11/2024 11:49:50	17.64	17.92	34.33	21.81	24.39	32.24	36.73	35.83
30/11/2024 11:50:50	17.28	17.54	34.08	21.44	23.92	31.90	36.35	35.46
30/11/2024 11:51:50	17.21	17.47	33.94	21.37	23.89	31.81	36.29	35.40
30/11/2024 11:52:49	17.09	17.36	33.83	21.26	23.73	31.66	36.18	35.29
30/11/2024 11:53:48	17.68	17.99	34.36	21.89	24.50	32.35	36.84	35.95
30/11/2024 11:54:49	17.12	17.43	33.98	21.35	23.95	31.82	36.37	35.48
30/11/2024 11:55:48	17.30	17.62	34.04	21.53	24.10	32.00	36.51	35.62
30/11/2024 11:56:47	17.56	17.88	34.28	21.79	24.31	32.20	36.76	35.87
30/11/2024 11:57:47	17.38	17.72	34.20	21.64	24.17	32.15	36.65	35.76
30/11/2024 11:58:46	17.45	17.79	34.26	21.72	24.19	32.15	36.71	35.82
30/11/2024 11:59:45	17.29	17.61	34.06	21.54	24.14	32.00	36.58	35.69
30/11/2024 12:00:45	17.32	17.69	34.16	21.62	24.16	32.09	36.66	35.77
30/11/2024 12:01:44	17.17	17.50	33.96	21.42	24.03	31.91	36.47	35.58
30/11/2024 12:02:44	17.45	17.81	34.21	21.73	24.33	32.15	36.78	35.88
30/11/2024 12:03:44	17.96	18.31	34.77	22.24	24.82	32.60	37.28	36.39
30/11/2024 12:04:43	17.65	18.02	34.58	21.96	24.57	32.44	37.05	36.16
30/11/2024 12:05:43	17.78	18.12	34.64	22.05	24.64	32.52	37.13	36.24
30/11/2024 12:06:42	17.53	17.89	34.38	21.84	24.42	32.31	36.93	36.04
30/11/2024 12:07:42	18.21	18.54	35.17	22.48	25.02	32.95	37.57	36.68
30/11/2024 12:08:41	17.94	18.33	34.87	22.27	24.83	32.73	37.37	36.48
30/11/2024 12:09:41	17.81	18.18	34.74	22.14	24.81	32.73	37.32	36.43
30/11/2024 12:10:41	17.47	17.83	34.41	21.79	24.36	32.29	36.93	36.04
30/11/2024 12:11:40	17.80	18.19	34.73	22.15	24.67	32.66	37.26	36.38
30/11/2024 12:12:40	17.68	18.06	34.59	22.02	24.64	32.51	37.19	36.30
30/11/2024 12:13:40	17.73	18.09	34.66	22.06	24.66	32.58	37.23	36.36
30/11/2024 12:14:39	17.84	18.21	34.79	22.18	24.70	32.66	37.33	36.45
30/11/2024 12:15:39	17.98	18.38	34.91	22.35	24.95	32.87	37.54	36.66
30/11/2024 12:16:38	18.14	18.54	35.04	22.51	25.02	32.94	37.67	36.78
30/11/2024 12:17:38	17.92	18.31	34.84	22.28	24.89	32.73	37.48	36.59
30/11/2024 12:18:37	18.45	18.86	35.33	22.82	25.33	33.19	37.97	37.08
30/11/2024 12:19:37	17.80	18.21	34.71	22.20	24.80	32.63	37.44	36.58

30/11/2024 12:20:37	18.14	18.57	35.10	22.54	25.05	32.95	37.74	36.85
30/11/2024 12:21:36	18.29	18.72	35.20	22.69	25.26	33.08	37.90	37.01
30/11/2024 12:22:36	18.09	18.55	35.15	22.54	24.95	32.87	37.72	36.84
30/11/2024 12:23:35	18.20	18.66	35.31	22.65	25.13	33.08	37.90	37.01
30/11/2024 12:24:35	18.22	18.67	35.21	22.65	25.05	32.90	37.84	36.95
30/11/2024 12:25:35	18.76	19.23	35.82	23.20	25.54	33.46	38.34	37.45
30/11/2024 12:26:34	18.57	19.00	35.55	22.97	25.39	33.12	38.15	37.26
30/11/2024 12:27:34	18.33	18.77	35.41	22.76	25.19	33.05	38.01	37.12
30/11/2024 12:28:33	18.65	19.13	35.75	23.12	25.55	33.33	38.37	37.48
30/11/2024 12:29:33	18.48	18.93	35.50	22.92	25.28	33.11	38.14	37.26
30/11/2024 12:30:33	18.59	19.06	35.70	23.05	25.31	33.21	38.24	37.35
30/11/2024 12:31:32	18.41	18.88	35.61	22.88	25.21	33.07	38.13	37.25
30/11/2024 12:32:32	18.82	19.32	36.02	23.31	25.62	33.34	38.54	37.65
30/11/2024 12:33:31	18.75	19.24	36.05	23.23	25.38	33.44	38.39	37.51
30/11/2024 12:34:30	18.83	19.34	35.88	23.33	25.53	33.38	38.52	37.62
30/11/2024 12:35:30	18.68	19.18	35.70	23.17	25.46	33.23	38.42	37.53
30/11/2024 12:36:31	18.60	19.09	35.62	23.08	25.35	33.11	38.32	37.42
30/11/2024 12:37:30	19.22	19.72	36.33	23.71	25.79	33.72	38.92	38.03
30/11/2024 12:38:29	18.90	19.40	35.98	23.39	25.43	33.37	38.58	37.69
30/11/2024 12:39:29	19.37	19.90	36.46	23.89	25.82	33.86	39.05	38.16
30/11/2024 12:40:28	18.86	19.39	36.05	23.38	25.30	33.28	38.53	37.64
30/11/2024 12:41:28	19.18	19.73	36.42	23.74	25.61	33.76	38.94	38.06
30/11/2024 12:42:28	19.02	19.57	36.14	23.57	25.30	33.51	38.73	37.84
30/11/2024 12:43:28	19.27	19.84	36.36	23.83	25.60	33.69	39.01	38.12
30/11/2024 12:44:27	19.17	19.76	36.31	23.76	25.52	33.63	38.96	38.06
30/11/2024 12:45:28	18.95	19.53	36.27	23.54	25.33	33.51	38.77	37.88
30/11/2024 12:46:27	18.98	19.56	36.19	23.56	25.22	33.38	38.72	37.83
30/11/2024 12:47:27	18.95	19.55	36.17	23.56	25.22	33.35	38.75	37.86
30/11/2024 12:48:27	19.04	19.63	36.45	23.66	25.21	33.53	38.84	37.96
30/11/2024 12:49:27	19.37	19.99	37.02	24.05	25.63	33.98	39.26	38.37
30/11/2024 12:50:27	19.80	20.44	37.41	24.45	25.96	34.17	39.53	38.64
30/11/2024 12:51:27	18.96	19.75	37.31	23.91	25.67	34.02	39.57	38.72
30/11/2024 12:52:27	19.91	20.73	37.52	24.84	26.27	34.65	40.33	39.48
30/11/2024 12:53:27	19.85	20.81	38.07	24.94	26.18	34.48	40.34	39.48
30/11/2024 12:54:27	19.57	20.64	38.41	24.86	26.33	34.71	40.56	39.71
30/11/2024 12:55:27	19.02	20.00	38.12	24.25	25.77	34.21	40.05	39.19
30/11/2024 12:56:26	19.22	20.15	38.43	24.41	25.97	34.11	40.30	39.43
30/11/2024 12:57:26	19.41	20.65	38.64	24.93	26.25	34.51	40.70	39.83
30/11/2024 12:58:26	19.24	20.53	38.16	24.84	26.12	34.46	40.62	39.74
30/11/2024 12:59:27	19.22	20.49	38.13	24.83	26.17	34.51	40.72	39.85
30/11/2024 13:00:26	19.36	20.56	38.11	24.87	26.27	34.54	40.77	39.89
30/11/2024 13:01:25	19.10	20.40	37.75	24.75	25.99	34.39	40.62	39.75
30/11/2024 13:02:24	19.29	20.84	38.11	25.00	26.22	34.63	40.90	40.03
30/11/2024 13:03:25	18.94	20.32	37.77	24.68	25.85	34.39	40.56	39.69

30/11/2024 13:04:24	19.39	20.90	38.56	25.28	26.40	35.03	41.18	40.31
30/11/2024 13:05:23	19.07	20.60	38.34	24.99	26.08	34.68	40.90	40.03
30/11/2024 13:06:23	19.40	20.95	38.66	25.38	26.54	35.01	41.38	40.52
30/11/2024 13:07:22	18.83	20.49	38.34	24.90	25.97	34.65	40.84	39.97
30/11/2024 13:08:21	18.98	20.62	38.64	25.05	26.11	34.86	41.03	40.16
30/11/2024 13:09:21	19.10	20.78	38.79	25.24	26.28	35.21	41.28	40.41
30/11/2024 13:10:21	19.46	21.24	39.28	25.70	26.62	35.72	41.70	40.85
30/11/2024 13:11:21	19.06	20.70	38.82	25.18	26.18	35.22	41.32	40.45
30/11/2024 13:12:20	19.03	20.65	38.87	25.15	26.17	34.76	41.31	40.42
30/11/2024 13:13:20	19.08	20.72	38.75	25.23	26.24	34.95	41.38	40.51
30/11/2024 13:14:20	19.05	20.74	38.96	25.26	26.19	34.99	41.47	40.59
30/11/2024 13:15:20	19.37	21.11	39.13	25.63	26.41	35.38	41.78	40.91
30/11/2024 13:16:19	19.19	20.99	39.15	25.49	26.21	35.00	41.59	40.70
30/11/2024 13:17:19	19.12	20.89	39.25	25.44	26.17	35.46	41.64	40.76
30/11/2024 13:18:18	19.18	20.98	39.60	25.57	26.20	35.90	41.83	40.95
30/11/2024 13:19:17	19.18	21.12	39.66	25.69	26.22	35.77	41.85	40.97
30/11/2024 13:20:17	19.15	21.12	39.68	25.72	26.14	35.99	41.93	41.05
30/11/2024 13:21:16	19.18	21.10	39.68	25.71	26.10	36.19	42.01	41.12
30/11/2024 13:22:15	19.15	21.23	39.89	25.85	26.14	36.27	42.09	41.19
30/11/2024 13:23:15	19.22	21.42	39.95	26.00	26.18	36.34	42.15	41.26
30/11/2024 13:24:14	19.30	21.44	40.08	26.05	26.31	36.21	42.27	41.37
30/11/2024 13:25:13	19.47	21.62	40.20	26.23	26.44	36.61	42.47	41.56
30/11/2024 13:26:14	19.21	21.48	40.13	26.02	26.15	36.40	42.10	41.20
30/11/2024 13:27:13	19.22	21.47	40.14	26.09	26.27	36.40	42.33	41.43
30/11/2024 13:28:12	19.40	21.65	40.39	26.23	26.37	36.59	42.38	41.49
30/11/2024 13:29:13	19.35	21.71	40.25	26.26	26.32	36.44	42.31	41.41
30/11/2024 13:30:12	19.24	21.48	40.29	26.12	26.33	36.46	42.45	41.55
30/11/2024 13:31:11	19.32	21.68	40.41	26.28	26.37	36.56	42.48	41.58
30/11/2024 13:32:11	19.20	21.45	40.33	26.07	26.25	36.49	42.34	41.44
30/11/2024 13:33:11	19.66	22.00	40.69	26.64	26.75	36.98	42.92	42.02
30/11/2024 13:34:10	19.80	22.14	40.96	26.78	26.88	37.14	43.06	42.17
30/11/2024 13:35:10	19.39	21.62	40.44	26.24	26.50	36.48	42.54	41.64
30/11/2024 13:36:09	19.81	22.18	40.89	26.79	26.89	37.02	43.02	42.12
30/11/2024 13:37:09	20.05	22.78	40.88	27.23	26.79	36.81	42.86	41.95
30/11/2024 13:38:09	19.36	21.64	40.44	26.27	26.43	36.46	42.63	41.72
30/11/2024 13:39:08	19.34	21.60	40.41	26.25	26.46	36.49	42.66	41.76
30/11/2024 13:40:08	19.38	21.66	40.49	26.30	26.47	36.47	42.67	41.77
30/11/2024 13:41:07	19.33	21.59	40.48	26.23	26.49	36.44	42.63	41.73
30/11/2024 13:42:07	19.58	21.97	40.78	26.61	26.64	36.79	42.96	42.05
30/11/2024 13:43:07	19.73	22.15	40.84	26.76	26.87	37.05	43.08	42.16
30/11/2024 13:44:06	19.55	22.11	40.76	26.71	26.68	36.99	42.89	41.99
30/11/2024 13:45:06	20.13	22.89	41.27	27.44	27.15	37.41	43.42	42.51
30/11/2024 13:46:05	19.39	21.97	40.65	26.61	26.57	36.95	42.88	41.97
30/11/2024 13:47:05	19.58	22.10	40.70	26.72	26.71	36.86	42.99	42.08

30/11/2024 13:48:04	19.71	22.25	40.89	26.87	26.78	37.12	43.09	42.19
30/11/2024 13:49:04	19.78	22.30	41.09	26.94	26.98	37.23	43.29	42.39
30/11/2024 13:50:03	19.79	22.27	41.11	26.92	26.90	37.22	43.26	42.36
30/11/2024 13:51:03	19.99	22.56	41.31	27.22	27.19	37.48	43.59	42.68
30/11/2024 13:52:03	19.91	22.45	41.31	27.10	27.10	37.40	43.45	42.55
30/11/2024 13:53:02	19.64	22.10	41.10	26.79	26.88	37.18	43.30	42.41
30/11/2024 13:54:02	19.89	22.24	41.33	26.94	27.12	37.36	43.48	42.59
30/11/2024 13:55:02	19.80	22.21	41.33	26.90	27.12	37.30	43.46	42.57
30/11/2024 13:56:01	20.03	22.46	41.59	27.14	27.31	37.50	43.65	42.76
30/11/2024 13:57:01	19.89	22.16	41.52	26.92	27.36	37.44	43.71	42.82
30/11/2024 13:58:01	19.51	21.76	41.26	26.53	26.95	37.06	43.33	42.44
30/11/2024 13:59:00	19.44	21.77	41.18	26.52	26.88	37.11	43.29	42.39
30/11/2024 14:00:00	19.82	22.23	41.59	26.97	27.15	37.49	43.62	42.74
30/11/2024 14:01:00	19.58	22.07	41.46	26.83	26.99	37.38	43.48	42.61
30/11/2024 14:01:59	19.75	22.12	41.79	26.93	27.05	37.58	43.74	42.87
30/11/2024 14:02:58	19.56	21.93	41.59	26.72	27.11	37.24	43.59	42.71
30/11/2024 14:03:58	19.69	22.09	41.56	26.87	27.16	37.41	43.65	42.77
30/11/2024 14:04:57	19.57	22.08	41.41	26.88	27.13	37.29	43.71	42.83
30/11/2024 14:05:56	19.47	21.88	41.42	26.67	27.03	37.02	43.52	42.63
30/11/2024 14:06:56	19.53	22.00	41.35	26.77	27.01	37.11	43.55	42.66
30/11/2024 14:07:56	19.72	22.14	41.46	26.93	27.23	37.39	43.75	42.86
30/11/2024 14:08:56	19.88	22.56	41.41	27.30	27.32	37.48	43.91	43.01
30/11/2024 14:09:55	19.80	22.49	41.62	27.23	27.11	37.39	43.79	42.91
30/11/2024 14:10:54	19.96	22.83	41.71	27.54	27.26	37.55	43.93	43.04
30/11/2024 14:11:54	20.01	22.56	41.86	27.41	27.46	37.67	44.26	43.37
30/11/2024 14:12:53	19.90	22.73	41.71	27.45	26.85	37.35	43.78	42.91
30/11/2024 14:13:52	20.10	22.62	42.14	27.47	27.25	37.79	44.23	43.41
30/11/2024 14:14:52	20.22	22.57	42.39	27.41	27.42	37.85	44.26	43.42
30/11/2024 14:15:51	20.75	23.63	42.71	28.32	27.48	38.12	44.44	43.60
30/11/2024 14:16:51	20.14	22.60	42.33	27.42	27.02	37.66	44.08	43.24
30/11/2024 14:17:51	19.82	21.63	42.23	26.63	26.97	37.65	44.01	43.18
30/11/2024 14:18:50	19.68	21.61	42.34	26.59	26.87	37.54	43.97	43.15
30/11/2024 14:19:50	20.08	22.08	42.49	27.04	27.24	37.92	44.34	43.50
30/11/2024 14:20:49	19.92	22.21	41.94	27.12	27.13	37.71	44.21	43.36
30/11/2024 14:21:49	20.03	22.47	42.08	27.34	27.20	37.84	44.25	43.41
30/11/2024 14:22:49	20.94	23.53	43.32	28.32	28.08	38.69	44.98	44.15
30/11/2024 14:23:48	20.13	22.58	42.19	27.50	27.49	38.17	44.58	43.74
30/11/2024 14:24:48	20.17	22.50	42.58	27.42	27.64	38.18	44.60	43.76
30/11/2024 14:25:47	20.13	22.30	42.79	27.29	27.65	38.15	44.65	43.81
30/11/2024 14:26:47	19.98	22.23	42.62	27.19	27.59	38.04	44.52	43.69
30/11/2024 14:27:47	20.23	22.39	43.14	27.38	27.89	38.39	44.82	43.98
30/11/2024 14:28:46	19.96	22.31	42.50	27.27	27.64	38.04	44.56	43.72
30/11/2024 14:29:46	20.17	22.43	42.75	27.42	27.70	38.19	44.75	43.92
30/11/2024 14:30:46	20.05	22.19	42.87	27.23	27.72	38.16	44.77	43.94

30/11/2024 14:31:45	20.31	22.78	42.55	27.76	27.85	38.31	44.98	44.15
30/11/2024 14:32:44	20.22	22.46	42.73	27.51	27.78	38.12	45.04	44.22
30/11/2024 14:33:44	20.22	22.66	42.70	27.70	27.71	38.51	45.11	44.30
30/11/2024 14:34:44	19.94	22.44	42.47	27.50	27.40	38.16	44.90	44.11
30/11/2024 14:35:43	20.08	22.52	42.67	27.60	27.39	38.25	45.06	44.26
30/11/2024 14:36:43	19.93	22.29	42.58	27.41	27.39	37.49	45.01	44.26
30/11/2024 14:37:42	20.01	22.44	42.63	27.56	27.32	38.91	45.13	44.35
30/11/2024 14:38:42	19.95	22.35	42.56	27.48	27.19	36.27	45.08	44.30
30/11/2024 14:39:42	20.08	22.40	42.75	27.53	27.25	36.49	45.15	44.38
30/11/2024 14:40:41	19.95	22.24	42.96	27.39	27.18	37.34	45.09	44.33
30/11/2024 14:41:40	20.07	22.54	42.98	27.68	27.29	37.56	45.28	44.53
30/11/2024 14:42:40	20.10	22.63	43.14	27.76	27.36	37.73	45.32	44.56
30/11/2024 14:43:39	20.15	22.78	43.02	27.91	27.44	37.78	45.44	44.69
30/11/2024 14:44:39	20.02	22.76	42.92	27.88	27.33	37.85	45.37	44.62
30/11/2024 14:45:39	20.10	22.87	42.99	27.99	27.34	38.07	45.44	44.70
30/11/2024 14:46:38	19.89	22.79	42.72	27.83	27.21	38.18	45.42	44.69
30/11/2024 14:47:37	20.08	22.98	43.15	28.11	27.36	38.19	45.56	44.81
30/11/2024 14:48:38	20.73	23.78	43.66	28.85	27.92	38.75	46.08	45.33
30/11/2024 14:49:37	20.54	23.55	43.44	28.65	27.94	38.61	46.06	45.31
30/11/2024 14:50:36	20.58	23.73	43.44	28.82	27.94	38.73	46.13	45.38
30/11/2024 14:51:37	20.33	23.56	43.33	28.66	27.62	38.60	45.94	45.20
30/11/2024 14:52:36	21.01	24.39	44.03	29.41	27.91	39.35	46.30	45.56
30/11/2024 14:53:35	20.75	23.93	43.95	29.03	27.93	39.28	46.30	45.57
30/11/2024 14:54:35	20.64	23.84	44.03	28.95	27.69	39.32	46.21	45.49
30/11/2024 14:55:35	20.74	24.09	44.00	29.21	27.81	39.36	46.41	45.69
30/11/2024 14:56:34	20.76	24.14	43.96	29.26	27.76	39.52	46.44	45.73
30/11/2024 14:57:34	20.94	24.49	43.93	29.63	28.00	39.80	46.82	46.11
30/11/2024 14:58:33	20.85	24.33	44.03	29.49	27.78	39.65	46.67	45.99
30/11/2024 14:59:33	20.97	24.50	44.07	29.62	27.75	39.67	46.64	45.95
30/11/2024 15:00:33	21.74	25.30	45.02	30.41	28.65	40.46	47.42	46.74
30/11/2024 15:01:33	21.83	25.58	45.10	30.69	28.70	40.56	47.64	46.96
30/11/2024 15:02:32	21.06	24.59	44.35	29.77	28.04	39.83	46.99	46.32
30/11/2024 15:03:32	21.44	25.06	44.82	30.20	28.18	39.88	47.19	46.51
30/11/2024 15:04:31	21.27	24.96	44.52	30.14	28.14	39.86	47.27	46.59
30/11/2024 15:05:31	21.64	25.50	44.72	30.62	28.19	40.09	47.42	46.73
30/11/2024 15:06:32	21.87	25.75	44.90	30.86	28.71	40.40	47.80	47.08
30/11/2024 15:07:31	22.02	25.94	45.06	31.04	28.82	40.15	47.91	47.16
30/11/2024 15:08:30	21.50	25.52	45.08	30.63	28.55	40.00	47.64	46.83
30/11/2024 15:09:29	22.25	26.27	45.43	31.31	29.33	40.52	48.15	47.34
30/11/2024 15:10:30	21.58	25.60	44.70	30.61	28.59	39.55	47.39	46.57
30/11/2024 15:11:29	22.02	26.18	45.11	31.21	29.00	40.39	48.03	47.19
30/11/2024 15:12:29	22.10	26.42	45.32	31.52	29.00	40.43	48.44	47.59
30/11/2024 15:13:29	22.38	26.75	45.65	31.92	29.17	40.83	48.91	48.07
30/11/2024 15:14:28	22.42	26.94	46.28	32.18	29.37	42.18	49.32	48.51

30/11/2024 15:15:27	23.02	27.51	48.52	32.82	30.14	41.50	50.22	49.35
30/11/2024 15:16:27	22.26	26.70	46.27	32.25	29.93	40.87	50.23	49.27
30/11/2024 15:17:26	22.82	27.36	46.35	32.98	30.39	39.42	51.21	50.26
30/11/2024 15:18:25	22.25	27.05	44.90	32.55	30.21	36.30	50.69	49.69
30/11/2024 15:19:25	22.25	27.09	45.03	32.62	30.10	36.37	50.66	49.75
30/11/2024 15:20:24	22.32	27.23	45.34	32.82	30.02	36.76	50.68	50.00
30/11/2024 15:21:23	22.36	27.25	45.52	32.91	30.12	37.02	51.16	50.28
30/11/2024 15:22:24	22.47	27.42	45.58	33.06	30.36	37.31	51.40	50.50
30/11/2024 15:23:23	22.62	27.52	45.91	33.21	30.45	37.80	51.67	50.78
30/11/2024 15:24:22	22.48	27.28	45.81	33.01	30.32	37.85	51.56	50.65
30/11/2024 15:25:22	22.69	27.81	46.19	33.51	30.73	38.31	52.09	51.17
30/11/2024 15:26:21	22.50	27.69	46.13	33.39	30.63	38.38	51.90	50.97
30/11/2024 15:27:21	22.65	27.82	46.45	33.57	30.65	39.03	52.12	51.19
30/11/2024 15:28:21	22.64	27.85	46.51	33.65	30.53	39.39	52.29	51.39
30/11/2024 15:29:20	22.80	28.05	46.90	33.85	30.69	40.11	52.52	51.62
30/11/2024 15:30:20	22.77	27.93	46.86	33.76	30.71	40.31	52.59	51.72
30/11/2024 15:31:20	22.71	27.89	46.79	33.73	30.83	40.59	52.61	51.79
30/11/2024 15:32:20	23.02	28.23	47.40	34.14	30.80	41.63	53.06	52.30
30/11/2024 15:33:19	23.13	28.40	47.76	34.39	30.76	42.88	53.50	52.76
30/11/2024 15:34:18	23.20	28.62	48.00	34.61	30.89	43.47	53.68	52.97
30/11/2024 15:35:18	23.71	29.42	48.85	35.42	31.80	44.72	54.58	53.86
30/11/2024 15:36:18	23.06	29.10	48.77	35.14	31.50	44.77	54.39	53.66
30/11/2024 15:37:17	22.41	29.15	48.94	35.14	31.31	44.49	54.20	53.47
30/11/2024 15:38:17	22.49	29.21	49.20	35.20	31.27	44.71	54.27	53.55
30/11/2024 15:39:16	22.81	29.51	49.44	35.49	31.34	44.98	54.48	53.76
30/11/2024 15:40:16	23.04	29.80	49.89	35.78	31.62	45.38	54.80	54.04
30/11/2024 15:41:15	23.13	29.83	49.97	35.84	31.92	45.27	55.04	54.26
30/11/2024 15:42:15	23.10	29.93	50.87	35.99	31.51	45.78	55.14	54.36
30/11/2024 15:43:14	23.43	30.21	51.95	36.30	31.48	46.29	55.44	54.65
30/11/2024 15:44:13	23.86	30.86	52.41	36.91	31.92	46.48	55.84	55.02
30/11/2024 15:45:14	23.63	30.32	52.27	36.43	31.79	46.56	55.67	54.88
30/11/2024 15:46:13	23.54	30.40	52.10	36.66	32.23	46.65	56.57	55.62
30/11/2024 15:47:13	23.96	30.86	52.49	37.04	32.34	47.01	56.70	55.77
30/11/2024 15:48:12	24.48	31.61	53.38	38.26	32.84	48.01	58.34	57.31
30/11/2024 15:49:12	24.83	32.07	53.77	38.50	33.21	48.50	58.68	57.62
30/11/2024 15:50:11	24.15	31.58	53.17	38.02	32.58	47.85	58.21	57.12
30/11/2024 15:51:11	24.63	32.17	53.78	38.66	33.13	48.72	59.02	57.88
30/11/2024 15:52:11	24.72	32.29	53.80	38.73	33.30	48.55	59.01	57.78
30/11/2024 15:53:10	25.06	32.62	54.17	39.07	33.70	49.06	59.41	58.14
30/11/2024 15:54:10	25.08	32.70	54.27	39.22	33.66	49.30	59.63	58.36
30/11/2024 15:55:09	25.27	32.89	54.48	39.46	33.65	49.48	59.92	58.68
30/11/2024 15:56:08	25.30	32.93	54.79	39.85	33.60	50.16	61.05	59.68
30/11/2024 15:57:07	25.46	33.09	55.01	40.03	33.83	50.61	61.33	59.94
30/11/2024 15:58:07	25.57	33.18	55.06	40.67	34.07	50.76	63.25	61.40

30/11/2024 15:59:06	25.58	33.03	55.11	41.14	34.19	50.71	65.05	63.11
30/11/2024 16:00:06	25.69	33.39	55.55	42.09	33.91	51.51	66.97	64.99
30/11/2024 16:01:06	26.03	33.65	55.86	42.41	34.02	51.85	67.31	65.30
30/11/2024 16:02:06	26.15	33.69	56.24	43.32	34.51	52.82	70.35	67.98
30/11/2024 16:03:06	25.94	33.41	56.28	43.80	33.83	52.93	72.10	69.77
30/11/2024 16:04:06	26.23	33.67	56.27	44.02	33.68	52.53	72.08	69.85
30/11/2024 16:05:05	26.33	33.84	56.60	43.87	35.12	53.12	72.16	69.70
30/11/2024 16:06:05	26.44	33.38	56.78	43.64	35.98	53.32	73.15	70.57
30/11/2024 16:07:05	26.69	33.44	57.31	43.88	36.29	54.41	73.97	71.38
30/11/2024 16:08:04	27.25	33.96	57.94	44.31	36.47	54.86	74.25	71.74
30/11/2024 16:09:03	27.56	34.24	58.37	44.48	36.43	55.18	74.14	71.49
30/11/2024 16:10:04	27.67	34.35	58.49	44.53	36.51	55.47	74.02	71.60
30/11/2024 16:11:03	28.12	35.03	59.46	45.27	37.25	56.25	74.97	72.74
30/11/2024 16:12:02	28.44	35.55	60.45	45.91	37.37	57.01	75.81	73.57
30/11/2024 16:13:02	29.23	36.97	61.33	47.35	38.07	58.07	77.15	74.91
30/11/2024 16:14:02	29.25	37.65	62.33	48.44	38.66	59.37	79.11	76.76
30/11/2024 16:15:01	29.26	38.29	63.19	49.46	39.11	60.89	81.09	78.70
30/11/2024 16:16:01	29.93	39.80	63.63	51.23	40.34	62.01	83.56	81.28
30/11/2024 16:17:02	31.16	42.59	64.78	54.26	38.75	64.87	84.78	83.02
30/11/2024 16:18:01	31.80	44.41	67.21	56.57	40.07	68.48	88.02	86.09
30/11/2024 16:19:00	31.50	43.28	66.63	55.35	39.39	68.42	86.59	84.72
30/11/2024 16:20:00	31.90	44.30	66.78	56.54	39.77	70.07	88.06	85.98
30/11/2024 16:21:00	31.57	45.18	67.07	57.38	40.04	70.39	88.79	86.57
30/11/2024 16:21:59	31.54	45.31	69.10	57.78	40.25	72.65	89.76	87.09
30/11/2024 16:22:58	32.51	46.22	72.02	58.77	40.84	75.37	90.90	88.33
30/11/2024 16:23:59	32.57	45.49	74.31	58.48	40.78	75.95	91.98	89.32
30/11/2024 16:24:58	31.62	43.90	73.49	57.52	40.75	77.25	92.90	90.17
30/11/2024 16:25:57	31.43	45.16	74.88	59.43	40.24	78.52	95.24	92.48
30/11/2024 16:26:57	32.28	46.21	74.58	60.80	40.62	79.44	97.15	94.03
30/11/2024 16:27:56	32.91	47.19	74.63	61.85	40.98	79.96	98.19	94.97
30/11/2024 16:28:56	33.58	48.21	75.37	62.83	40.97	81.26	98.65	95.40
30/11/2024 16:29:56	34.08	49.56	75.63	64.18	40.31	79.23	98.81	95.66
30/11/2024 16:30:55	35.12	50.79	77.52	64.67	40.64	82.18	97.39	94.30
30/11/2024 16:31:55	36.05	51.21	78.24	66.12	40.54	81.67	97.67	94.58
30/11/2024 16:32:55	36.24	51.26	77.92	64.96	40.63	80.00	97.03	94.02
30/11/2024 16:33:54	37.15	52.22	80.20	65.85	40.32	81.43	97.26	94.14
30/11/2024 16:34:53	37.22	51.07	81.68	64.96	40.80	80.75	97.67	94.53
30/11/2024 16:35:53	36.94	51.36	82.00	65.47	41.00	80.70	98.75	95.44
30/11/2024 16:36:53	36.75	50.99	82.52	64.77	40.28	80.62	97.02	93.89
30/11/2024 16:37:53	37.50	52.52	82.73	66.20	40.78	81.38	97.98	94.65
30/11/2024 16:38:52	38.32	54.26	82.79	67.77	40.41	81.22	98.00	94.74
30/11/2024 16:39:52	37.92	56.51	84.12	89.34	40.33	80.05	97.13	93.81
30/11/2024 16:40:51	39.53	58.32	87.42	71.16	41.27	80.60	98.97	95.49

ZONA 4: 29/11/2024

Time	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8	Point 9	Point 10
X [m]	763639.04	763637.79	763637.79	763637.79	763639.04	763637.79	763639.04	763637.79	763639.04	763637.79
Y [m]	9252193.43	9252194.68	9252195.93	9252197.18	9252197.18	9252198.43	9252198.43	9252199.68	9252199.68	9252200.93
Z [m]	3732.49	3731.23	3731.00	3730.93	3731.03	3730.95	3730.97	3730.98	3730.99	3730.99
29/11/2024 00:00:27	10.72	9.03	8.70	8.94	12.76	8.11	8.85	7.86	8.10	7.82
29/11/2024 00:01:26	10.76	9.03	8.72	8.96	12.90	8.14	8.89	7.90	8.12	7.85
29/11/2024 00:02:26	11.07	9.16	8.85	9.08	13.07	8.25	9.02	8.00	8.24	7.95
29/11/2024 00:03:25	11.39	9.27	8.93	9.16	13.28	8.29	9.08	8.03	8.26	7.98
29/11/2024 00:04:25	10.68	9.09	8.77	9.00	12.81	8.19	8.92	7.94	8.17	7.90
29/11/2024 00:05:24	10.72	9.13	8.76	9.00	12.76	8.20	8.90	7.95	8.16	7.91
29/11/2024 00:06:24	10.55	9.02	8.72	8.95	12.82	8.14	8.89	7.90	8.12	7.86
29/11/2024 00:07:23	10.01	8.97	8.64	8.88	12.76	8.06	8.80	7.82	8.04	7.77
29/11/2024 00:08:23	10.62	9.12	8.83	9.06	13.12	8.24	9.02	8.00	8.21	7.96
29/11/2024 00:09:22	10.78	9.34	8.99	9.23	13.17	8.39	9.14	8.14	8.37	8.09
29/11/2024 00:10:22	11.15	9.53	9.19	9.43	13.34	8.60	9.33	8.36	8.55	8.32
29/11/2024 00:11:22	10.60	9.42	9.10	9.33	13.36	8.52	9.28	8.28	8.50	8.23
29/11/2024 00:12:21	11.61	9.43	9.08	9.32	13.11	8.47	9.21	8.22	8.47	8.17
29/11/2024 00:13:21	10.80	9.40	9.07	9.30	13.35	8.45	9.21	8.20	8.41	8.15
29/11/2024 00:14:20	10.79	9.33	9.02	9.25	13.23	8.43	9.19	8.18	8.40	8.14
29/11/2024 00:15:20	11.18	9.40	9.03	9.26	13.20	8.39	9.16	8.14	8.39	8.09
29/11/2024 00:16:20	11.22	9.20	8.86	9.09	12.93	8.29	9.03	8.05	8.27	8.01
29/11/2024 00:17:19	10.86	9.31	8.94	9.17	12.99	8.35	9.09	8.10	8.36	8.06
29/11/2024 00:18:19	10.91	9.23	8.94	9.17	13.16	8.37	9.14	8.14	8.37	8.09
29/11/2024 00:19:18	10.71	9.22	8.90	9.12	13.02	8.33	9.09	8.09	8.37	8.05
29/11/2024 00:20:18	11.17	9.15	8.83	9.05	13.01	8.25	9.02	8.01	8.28	7.97
29/11/2024 00:21:17	9.83	9.10	8.78	8.98	12.68	8.23	8.93	8.00	8.23	7.96
29/11/2024 00:22:16	10.74	9.16	8.81	9.04	12.81	8.28	9.00	8.05	8.29	8.01
29/11/2024 00:23:17	10.58	9.10	8.75	8.98	12.71	8.21	8.96	7.97	8.26	7.93
29/11/2024 00:24:16	10.94	9.05	8.76	8.98	12.72	8.22	8.97	7.99	8.27	7.95
29/11/2024 00:25:15	11.16	9.15	8.80	9.02	12.96	8.25	9.02	8.02	8.26	7.97
29/11/2024 00:26:15	10.91	9.11	8.79	9.01	12.78	8.26	9.01	8.02	8.30	7.98
29/11/2024 00:27:15	10.91	9.19	8.88	9.10	12.99	8.33	9.08	8.09	8.35	8.05
29/11/2024 00:28:14	10.16	9.11	8.83	9.06	12.76	8.31	9.02	8.07	8.30	8.03
29/11/2024 00:29:14	10.53	9.19	8.86	9.09	12.75	8.34	9.06	8.11	8.40	8.06
29/11/2024 00:30:14	10.04	9.13	8.86	9.09	12.71	8.31	9.05	8.08	8.36	8.03
29/11/2024 00:31:13	13.35	9.18	8.85	9.07	12.02	8.24	8.90	7.99	8.36	7.94
29/11/2024 00:32:13	9.36	9.06	8.80	9.03	12.68	8.31	9.02	8.08	8.32	8.04
29/11/2024 00:33:12	10.26	9.09	8.81	9.03	12.68	8.29	8.98	8.06	8.29	8.01
29/11/2024 00:34:12	10.31	9.08	8.80	9.02	12.68	8.26	8.98	8.03	8.30	7.98
29/11/2024 00:35:11	9.98	9.14	8.87	9.10	12.81	8.33	9.06	8.10	8.37	8.05
29/11/2024 00:36:11	9.99	9.13	8.85	9.09	12.77	8.33	9.05	8.10	8.34	8.06
29/11/2024 00:37:10	10.62	9.07	8.79	9.02	12.62	8.27	8.97	8.03	8.28	7.99
29/11/2024 00:38:11	9.99	9.08	8.80	9.04	12.67	8.30	9.00	8.07	8.28	8.03

29/11/2024 00:39:10	1028	9.17	8.92	9.14	12.91	8.36	9.08	8.12	8.35	8.07
29/11/2024 00:40:09	9.95	9.06	8.84	9.07	12.96	8.31	9.05	8.07	8.30	8.03
29/11/2024 00:41:10	10.24	9.09	8.80	9.03	12.90	8.25	8.98	8.01	8.25	7.96
29/11/2024 00:42:09	9.94	9.11	8.85	9.07	12.82	8.30	9.03	8.06	8.33	8.02
29/11/2024 00:43:09	9.82	9.06	8.81	9.04	12.86	8.28	9.00	8.04	8.27	7.99
29/11/2024 00:44:09	10.59	9.01	8.77	8.99	12.86	8.22	8.97	7.98	8.21	7.93
29/11/2024 00:45:08	10.53	9.18	8.88	9.11	12.97	8.34	9.06	8.10	8.33	8.05
29/11/2024 00:46:08	10.85	9.21	8.88	9.11	12.89	8.31	9.04	8.06	8.30	8.02
29/11/2024 00:47:08	11.34	9.16	8.84	9.07	12.71	8.28	8.99	8.04	8.28	7.99
29/11/2024 00:48:07	9.94	8.97	8.71	8.94	12.76	8.18	8.93	7.95	8.21	7.90
29/11/2024 00:49:06	10.48	9.32	9.00	9.24	13.02	8.45	9.17	8.21	8.47	8.16
29/11/2024 00:50:06	10.74	9.21	8.90	9.13	12.94	8.35	9.07	8.11	8.35	8.07
29/11/2024 00:51:06	10.97	9.37	9.00	9.23	12.97	8.41	9.14	8.17	8.43	8.12
29/11/2024 00:52:06	10.47	9.13	8.81	9.04	12.62	8.29	8.98	8.06	8.31	8.02
29/11/2024 00:53:05	10.86	9.23	8.86	9.09	12.73	8.31	8.99	8.07	8.30	8.02
29/11/2024 00:54:05	10.73	9.12	8.83	9.05	12.84	8.27	9.01	8.03	8.28	7.98
29/11/2024 00:55:04	9.65	9.05	8.82	9.06	12.60	8.31	8.99	8.07	8.30	8.03
29/11/2024 00:56:03	8.65	8.93	8.74	8.96	12.61	8.24	8.95	8.01	8.26	7.97
29/11/2024 00:57:04	10.21	9.03	8.74	8.96	12.56	8.24	8.95	8.01	8.30	7.96
29/11/2024 00:58:03	10.42	9.09	8.79	9.01	12.73	8.26	9.01	8.03	8.33	7.99
29/11/2024 00:59:02	10.15	9.26	8.96	9.17	13.02	8.45	9.19	8.23	8.49	8.19
29/11/2024 01:00:02	10.67	8.99	8.66	8.88	12.65	8.15	8.86	7.93	8.17	7.89
29/11/2024 01:01:01	10.99	8.79	8.50	8.72	12.34	7.98	8.64	7.75	7.96	7.71
29/11/2024 01:02:01	10.20	9.07	8.79	9.00	13.02	8.20	8.96	7.97	8.19	7.93
29/11/2024 01:03:00	10.70	9.19	8.87	9.09	12.88	8.27	9.00	8.02	8.26	7.97
29/11/2024 01:04:00	10.71	9.08	8.80	9.02	12.94	8.21	8.95	7.96	8.20	7.92
29/11/2024 01:04:59	11.04	9.14	8.84	9.05	13.11	8.25	9.01	8.01	8.24	7.96
29/11/2024 01:05:59	10.32	8.92	8.67	8.89	12.83	8.11	8.88	7.87	8.13	7.83
29/11/2024 01:06:58	10.69	9.06	8.78	9.00	12.67	8.20	8.92	7.96	8.22	7.92
29/11/2024 01:07:57	10.87	8.99	8.73	8.94	13.01	8.11	8.92	7.87	8.13	7.82
29/11/2024 01:08:57	10.77	9.07	8.75	8.97	12.99	8.11	8.94	7.85	8.16	7.80
29/11/2024 01:09:56	11.15	9.15	8.82	9.04	13.06	8.17	8.96	7.92	8.17	7.88
29/11/2024 01:10:56	11.00	9.21	8.85	9.08	13.05	8.25	9.06	8.00	8.32	7.95
29/11/2024 01:11:56	10.87	9.26	8.96	9.18	13.06	8.37	9.15	8.13	8.41	8.08
29/11/2024 01:12:55	11.87	9.21	8.85	9.06	13.30	8.25	9.11	8.01	8.34	7.97
29/11/2024 01:13:55	11.60	9.23	8.91	9.12	13.22	8.29	9.11	8.05	8.33	8.00
29/11/2024 01:14:54	10.92	9.26	8.92	9.13	13.05	8.30	9.06	8.05	8.29	8.01
29/11/2024 01:15:55	11.00	9.08	8.80	9.00	12.92	8.20	8.97	7.96	8.19	7.92
29/11/2024 01:16:54	10.86	9.02	8.72	8.93	12.78	8.12	8.88	7.88	8.11	7.84
29/11/2024 01:17:54	10.37	9.02	8.77	8.97	12.91	8.14	8.90	7.89	8.10	7.85
29/11/2024 01:18:53	10.65	9.03	8.75	8.95	12.82	8.14	8.90	7.90	8.12	7.85
29/11/2024 01:19:53	10.44	8.88	8.63	8.83	12.75	8.02	8.81	7.79	8.04	7.74
29/11/2024 01:20:52	10.40	8.93	8.69	8.88	12.78	8.09	8.85	7.85	8.06	7.80
29/11/2024 01:21:52	10.48	8.94	8.71	8.91	12.88	8.11	8.89	7.87	8.10	7.83

29/11/2024 01:22:52	9.81	8.86	8.66	8.86	12.61	8.08	8.82	7.85	8.09	7.81
29/11/2024 01:23:51	10.67	8.93	8.74	8.93	12.83	8.14	8.92	7.90	8.16	7.86
29/11/2024 01:24:51	10.60	8.93	8.70	8.89	12.75	8.10	8.84	7.86	8.08	7.82
29/11/2024 01:25:51	10.52	8.96	8.73	8.93	12.81	8.15	8.89	7.91	8.12	7.87
29/11/2024 01:26:50	10.65	9.14	8.88	9.08	12.90	8.29	9.00	8.06	8.22	8.02
29/11/2024 01:27:49	10.49	9.16	8.91	9.11	12.93	8.33	9.04	8.09	8.27	8.05
29/11/2024 01:28:50	10.79	9.16	8.89	9.09	12.99	8.30	9.03	8.06	8.24	8.02
29/11/2024 01:29:49	10.72	9.08	8.84	9.04	12.92	8.25	9.00	8.02	8.21	7.97
29/11/2024 01:30:49	10.74	9.07	8.81	9.01	12.73	8.23	8.91	7.99	8.12	7.95
29/11/2024 01:31:48	10.92	9.14	8.87	9.07	13.05	8.25	9.03	8.01	8.23	7.97
29/11/2024 01:32:48	10.33	9.11	8.87	9.07	12.93	8.29	9.01	8.05	8.23	8.01
29/11/2024 01:33:47	10.50	9.08	8.83	9.03	12.84	8.23	8.97	7.99	8.16	7.94
29/11/2024 01:34:47	10.41	9.22	8.98	9.18	12.99	8.36	9.10	8.11	8.31	8.06
29/11/2024 01:35:46	11.39	9.06	8.80	9.01	12.66	8.23	8.96	7.99	8.21	7.94
29/11/2024 01:36:46	10.11	9.05	8.83	9.03	12.96	8.23	8.96	7.99	8.16	7.95
29/11/2024 01:37:46	10.10	8.97	8.75	8.96	12.85	8.16	8.92	7.91	8.15	7.87
29/11/2024 01:38:45	9.97	9.06	8.85	9.06	13.01	8.28	9.02	8.05	8.24	8.01
29/11/2024 01:39:44	10.10	9.02	8.80	9.01	12.88	8.20	8.95	7.96	8.15	7.91
29/11/2024 01:40:44	10.53	9.20	8.92	9.13	12.96	8.34	9.08	8.10	8.30	8.05
29/11/2024 01:41:43	9.94	9.09	8.89	9.10	12.96	8.28	9.04	8.04	8.24	7.99
29/11/2024 01:42:43	10.28	9.25	9.02	9.23	13.15	8.41	9.16	8.17	8.36	8.12
29/11/2024 01:43:42	10.30	9.05	8.81	9.02	12.74	8.23	8.96	7.98	8.19	7.98
29/11/2024 01:44:42	9.79	8.98	8.78	8.99	12.71	8.20	8.95	7.96	8.20	7.91
29/11/2024 01:45:42	10.14	8.94	8.74	8.94	12.74	8.15	8.90	7.91	8.12	7.86
29/11/2024 01:46:41	9.96	9.09	8.85	9.05	12.83	8.25	8.97	8.01	8.18	7.97
29/11/2024 01:47:41	9.69	9.07	8.85	9.05	12.73	8.24	8.97	7.99	8.20	7.95
29/11/2024 01:48:40	10.56	8.98	8.77	8.97	12.73	8.17	8.91	7.93	8.17	7.88
29/11/2024 01:49:40	10.44	8.98	8.74	8.94	12.78	8.14	8.90	7.89	8.10	7.85
29/11/2024 01:50:39	10.72	9.15	8.87	9.07	12.72	8.26	8.99	8.02	8.26	7.97
29/11/2024 01:51:39	10.98	9.08	8.79	8.98	12.56	8.19	8.92	7.95	8.20	7.91
29/11/2024 01:52:39	10.87	9.14	8.84	9.04	12.69	8.24	8.95	7.99	8.20	7.95
29/11/2024 01:53:38	10.66	9.05	8.76	8.96	12.70	8.19	8.94	7.95	8.20	7.91
29/11/2024 01:54:38	10.65	8.95	8.66	8.86	12.54	8.11	8.82	7.88	8.12	7.83
29/11/2024 01:55:38	10.21	8.88	8.65	8.84	12.67	8.10	8.89	7.87	8.17	7.82
29/11/2024 01:56:37	10.56	8.99	8.70	8.89	12.63	8.15	8.88	7.92	8.16	7.87
29/11/2024 01:57:36	10.24	8.95	8.71	8.90	12.75	8.15	8.90	7.92	8.13	7.88
29/11/2024 01:58:36	10.08	9.05	8.79	8.98	12.77	8.23	8.96	8.00	8.22	7.95
29/11/2024 01:59:35	9.65	8.95	8.74	8.93	12.71	8.18	8.91	7.95	8.14	7.91
29/11/2024 02:00:35	10.09	8.97	8.73	8.93	12.57	8.16	8.89	7.93	8.16	7.88
29/11/2024 02:01:34	10.34	9.01	8.78	8.97	12.50	8.21	8.92	7.98	8.22	7.93
29/11/2024 02:02:33	10.51	9.00	8.72	8.92	12.63	8.15	8.86	7.92	8.12	7.88
29/11/2024 02:03:33	10.15	8.88	8.66	8.85	12.39	8.12	8.82	7.90	8.13	7.86
29/11/2024 02:04:32	9.81	8.95	8.74	8.93	12.50	8.20	8.87	7.97	8.16	7.92
29/11/2024 02:05:32	10.18	8.90	8.69	8.88	12.60	8.12	8.84	7.88	8.11	7.84

29/11/2024 02:06:32	10.10	8.90	8.67	8.86	12.54	8.09	8.80	7.86	8.08	7.81
29/11/2024 02:07:31	10.04	8.65	8.40	8.59	12.08	7.89	8.60	7.68	7.96	7.64
29/11/2024 02:08:31	10.52	8.97	8.68	8.86	12.22	8.17	8.90	7.96	8.36	7.93
29/11/2024 02:09:30	13.25	9.58	9.19	9.38	12.66	8.64	9.33	8.41	8.72	8.37
29/11/2024 02:10:30	12.88	9.43	9.03	9.21	12.55	8.48	9.13	8.25	8.50	8.22
29/11/2024 02:11:30	15.13	9.16	8.86	9.05	12.45	8.32	9.02	8.10	8.36	8.06
29/11/2024 02:12:29	19.09	9.14	8.85	9.05	12.71	8.29	9.01	8.05	8.27	8.01
29/11/2024 02:13:29	18.23	8.92	8.66	8.85	12.49	8.10	8.85	7.88	8.14	7.81
29/11/2024 02:14:28	18.38	9.11	8.85	9.04	12.89	8.25	9.01	8.01	8.25	7.97
29/11/2024 02:15:27	17.95	8.96	8.75	8.94	12.91	8.16	8.95	7.93	8.17	7.89
29/11/2024 02:16:27	19.32	9.21	8.94	9.13	12.99	8.35	9.12	8.11	8.37	8.07
29/11/2024 02:17:27	17.45	9.02	8.81	9.01	12.87	8.20	9.00	7.98	8.20	7.91
29/11/2024 02:18:27	16.35	8.98	8.78	8.98	12.57	8.24	8.99	8.00	8.25	7.95
29/11/2024 02:19:26	15.82	8.94	8.79	8.99	12.77	8.28	9.04	8.05	8.26	8.01
29/11/2024 02:20:25	15.63	8.88	8.72	8.92	12.70	8.16	8.92	7.92	8.13	7.87
29/11/2024 02:21:25	14.75	8.93	8.78	8.98	12.82	8.20	8.96	7.98	8.16	7.91
29/11/2024 02:22:24	14.74	8.94	8.77	8.97	12.84	8.20	8.95	7.96	8.12	7.91
29/11/2024 02:23:25	13.94	8.94	8.78	8.98	12.79	8.22	8.95	7.99	8.14	7.94
29/11/2024 02:24:24	13.25	8.75	8.59	8.79	12.61	8.04	8.74	7.80	7.95	7.75
29/11/2024 02:25:23	12.83	8.66	8.49	8.69	12.54	7.93	8.70	7.69	7.88	7.64
29/11/2024 02:26:24	12.36	8.18	7.94	8.14	11.94	7.36	8.09	7.10	7.28	7.05
29/11/2024 02:27:23	11.40	8.57	8.40	8.59	12.66	7.79	8.53	7.54	7.67	7.50
29/11/2024 02:28:23	11.76	8.84	8.61	8.82	12.50	8.07	8.77	7.82	7.99	7.77
29/11/2024 02:29:23	11.49	8.99	8.82	9.01	12.88	8.27	9.05	8.03	8.23	7.98
29/11/2024 02:30:22	10.94	9.05	8.84	9.04	12.80	8.25	8.97	8.00	8.17	7.98
29/11/2024 02:31:22	10.82	9.46	9.18	9.38	13.07	8.58	9.33	8.32	8.55	8.27
29/11/2024 02:32:22	10.67	9.39	9.17	9.36	13.16	8.60	9.38	8.35	8.57	8.30
29/11/2024 02:33:22	10.29	9.04	8.84	9.03	12.85	8.25	9.04	8.00	8.27	7.95
29/11/2024 02:34:21	10.33	9.24	9.06	9.25	13.16	8.49	9.29	8.26	8.49	8.21
29/11/2024 02:35:20	10.40	9.22	9.02	9.20	12.98	8.44	9.23	8.19	8.44	8.14
29/11/2024 02:36:20	10.26	9.26	9.08	9.26	13.07	8.50	9.25	8.26	8.45	8.22
29/11/2024 02:37:19	10.36	9.17	8.97	9.15	12.93	8.41	9.16	8.18	8.40	8.13
29/11/2024 02:38:20	10.02	9.31	9.13	9.31	12.95	8.58	9.32	8.35	8.60	8.30
29/11/2024 02:39:19	10.26	9.11	8.92	9.10	12.86	8.40	9.18	8.18	8.45	8.14
29/11/2024 02:40:18	10.61	9.26	9.04	9.21	12.96	8.51	9.26	8.29	8.52	8.25
29/11/2024 02:41:18	10.68	9.36	9.13	9.30	13.07	8.57	9.36	8.33	8.61	8.28
29/11/2024 02:42:17	10.43	9.19	9.02	9.19	13.02	8.49	9.28	8.26	8.54	8.22
29/11/2024 02:43:17	10.50	9.25	9.06	9.23	13.15	8.49	9.31	8.26	8.54	8.22
29/11/2024 02:44:16	10.81	9.34	9.16	9.34	13.17	8.64	9.43	8.42	8.72	8.38
29/11/2024 02:45:16	11.07	9.29	9.11	9.28	13.21	8.54	9.34	8.30	8.56	8.26
29/11/2024 02:46:15	10.58	9.20	9.02	9.20	13.15	8.46	9.26	8.23	8.48	8.19
29/11/2024 02:47:16	10.67	9.18	8.99	9.17	13.06	8.44	9.25	8.21	8.48	8.17
29/11/2024 02:48:15	10.48	9.11	8.84	9.13	12.93	8.40	9.21	8.16	8.47	8.11
29/11/2024 02:49:14	10.46	9.05	8.85	9.04	12.53	6.30	9.09	8.05	8.40	8.00

29/11/2024 02:50:14	10.92	9.24	8.99	9.17	12.86	8.44	9.26	8.19	8.58	8.13
29/11/2024 02:51:13	10.79	9.11	8.86	9.04	12.61	8.30	9.06	8.06	8.37	8.00
29/11/2024 02:52:13	10.54	9.20	8.94	9.12	12.71	8.38	9.17	8.13	8.49	8.08
29/11/2024 02:53:13	10.12	9.27	9.02	9.22	12.66	8.42	9.20	8.16	8.54	8.10
29/11/2024 02:54:13	10.28	9.29	9.04	9.25	12.71	8.43	9.16	8.15	8.46	8.09
29/11/2024 02:55:13	10.21	9.37	9.07	9.29	12.81	8.43	9.19	8.14	8.44	8.07
29/11/2024 02:56:13	10.10	9.33	9.03	9.26	12.59	8.38	9.09	8.09	8.39	8.02
29/11/2024 02:57:12	10.02	9.31	9.06	9.28	12.60	8.42	9.16	8.14	8.45	8.07
29/11/2024 02:58:12	9.88	9.31	9.07	9.29	12.68	8.47	9.17	8.18	8.47	8.12
29/11/2024 02:59:11	9.76	9.28	9.08	9.29	12.71	8.47	9.23	8.19	8.54	8.12
29/11/2024 03:00:11	9.87	9.28	9.11	9.32	12.81	8.50	9.27	8.21	8.56	8.15
29/11/2024 03:01:10	9.75	9.26	9.07	9.29	12.77	8.47	9.23	8.19	8.50	8.12
29/11/2024 03:02:10	9.68	9.21	9.04	9.24	12.67	8.45	9.19	8.18	8.49	8.11
29/11/2024 03:03:09	9.50	9.20	9.00	9.20	12.62	8.41	9.13	8.14	8.41	8.07
29/11/2024 03:04:08	9.65	9.23	9.05	9.25	12.73	8.46	9.19	8.19	8.46	8.12
29/11/2024 03:05:08	9.69	9.17	9.00	9.19	12.71	8.41	9.17	8.14	8.44	8.08
29/11/2024 03:06:07	9.79	9.27	9.08	9.27	12.80	8.50	9.24	8.23	8.51	8.17
29/11/2024 03:07:07	9.67	9.22	9.05	9.24	12.74	8.48	9.24	8.22	8.53	8.15
29/11/2024 03:08:07	9.79	9.23	9.06	9.25	12.75	8.50	9.25	8.23	8.54	8.17
29/11/2024 03:09:07	9.79	9.32	9.16	9.35	12.88	8.59	9.34	8.33	8.63	8.26
29/11/2024 03:10:06	10.06	9.37	9.24	9.42	12.95	8.71	9.44	8.46	8.75	8.40
29/11/2024 03:11:06	9.80	8.99	8.86	9.04	12.59	8.34	9.10	8.09	8.40	8.03
29/11/2024 03:12:05	9.60	8.87	8.75	8.93	12.46	8.27	9.02	8.03	8.34	7.97
29/11/2024 03:13:05	9.56	8.72	8.61	8.78	12.32	8.07	8.86	7.83	8.18	7.77
29/11/2024 03:14:04	9.65	8.82	8.69	8.87	12.42	8.16	8.90	7.91	8.21	7.85
29/11/2024 03:15:03	9.64	8.76	8.65	8.82	12.37	8.11	8.90	7.87	8.21	7.81
29/11/2024 03:16:03	9.70	8.81	8.71	8.88	12.42	8.18	8.94	7.94	8.25	7.88
29/11/2024 03:17:02	9.74	8.90	8.76	8.93	12.43	8.23	8.99	7.97	8.29	7.91
29/11/2024 03:18:02	9.89	8.94	8.82	8.99	12.53	8.29	9.05	8.04	8.36	7.98
29/11/2024 03:19:01	9.70	9.02	8.94	9.11	12.63	8.42	9.17	8.17	8.47	8.11
29/11/2024 03:20:01	10.10	9.22	9.14	9.31	12.82	8.61	9.36	8.37	8.68	8.30
29/11/2024 03:21:00	9.79	9.15	9.05	9.22	12.76	8.51	9.25	8.26	8.53	8.19
29/11/2024 03:22:00	10.26	9.37	9.24	9.40	13.00	8.67	9.40	8.41	8.66	8.35
29/11/2024 03:22:59	9.63	9.17	9.05	9.22	12.66	8.50	9.20	8.26	8.48	8.21
29/11/2024 03:23:58	9.90	9.17	9.03	9.20	12.74	8.45	9.17	8.19	8.45	8.13
29/11/2024 03:24:59	9.90	9.22	9.08	9.24	12.79	8.49	9.24	8.23	8.53	8.18
29/11/2024 03:25:59	9.95	9.24	9.15	9.32	12.81	8.56	9.29	8.30	8.58	8.24
29/11/2024 03:26:58	10.17	9.36	9.20	9.37	12.87	8.60	9.34	8.34	8.63	8.28
29/11/2024 03:27:58	10.39	9.28	9.12	9.29	12.83	8.54	9.25	8.28	8.52	8.22
29/11/2024 03:28:57	10.27	9.39	9.20	9.37	12.85	8.57	9.30	8.30	8.58	8.24
29/11/2024 03:29:56	10.14	9.21	9.09	9.26	12.66	8.49	9.16	8.23	8.46	8.17
29/11/2024 03:30:56	10.19	9.22	9.10	9.28	12.67	8.50	9.19	8.23	8.47	8.16
29/11/2024 03:31:57	10.22	9.14	9.06	9.24	12.67	8.49	9.19	8.23	8.49	8.16
29/11/2024 03:32:56	10.03	9.10	9.03	9.21	12.72	8.46	9.15	8.21	8.40	8.15

29/11/2024 03:33:55	10.24	9.11	9.06	9.24	12.72	8.49	9.17	8.24	8.44	8.18
29/11/2024 03:34:55	10.10	9.12	9.06	9.24	12.72	8.48	9.17	8.22	8.40	8.16
29/11/2024 03:35:56	10.20	9.13	9.09	9.26	12.69	8.52	9.19	8.26	8.46	8.19
29/11/2024 03:36:54	10.22	9.15	9.10	9.28	12.81	8.50	9.22	8.23	8.45	8.17
29/11/2024 03:37:53	10.45	9.16	9.13	9.31	12.77	8.54	9.23	8.28	8.50	8.21
29/11/2024 03:38:54	10.55	9.10	9.11	9.28	12.82	8.53	9.25	8.27	8.48	8.20
29/11/2024 03:39:53	10.46	9.09	9.09	9.27	12.76	8.52	9.21	8.26	8.47	8.20
29/11/2024 03:40:53	10.39	9.12	9.11	9.28	12.76	8.54	9.24	8.28	8.50	8.22
29/11/2024 03:41:52	10.54	9.07	9.10	9.27	12.79	8.54	9.25	8.29	8.51	8.23
29/11/2024 03:42:52	10.44	9.14	9.13	9.30	12.76	8.56	9.26	8.30	8.53	8.24
29/11/2024 03:43:51	10.61	9.16	9.15	9.32	12.84	8.58	9.29	8.32	8.55	8.26
29/11/2024 03:44:51	10.15	9.12	9.13	9.30	12.79	8.58	9.28	8.32	8.55	8.26
29/11/2024 03:45:50	10.41	9.13	9.16	9.32	12.76	8.59	9.29	8.34	8.58	8.27
29/11/2024 03:46:50	10.52	9.07	9.09	9.26	12.77	8.54	9.26	8.29	8.54	8.22
29/11/2024 03:47:49	10.66	9.08	9.10	9.27	12.67	8.55	9.25	8.30	8.54	8.24
29/11/2024 03:48:48	10.41	9.12	9.13	9.30	12.77	8.58	9.28	8.32	8.54	8.26
29/11/2024 03:49:48	10.76	9.17	9.21	9.37	12.81	8.65	9.31	8.40	8.56	8.34
29/11/2024 03:50:47	10.46	9.19	9.22	9.39	12.93	8.64	9.35	8.39	8.58	8.33
29/11/2024 03:51:47	10.36	9.10	9.15	9.32	12.79	8.61	9.31	8.36	8.57	8.29
29/11/2024 03:52:47	10.28	9.02	9.08	9.25	12.73	8.53	9.23	8.28	8.46	8.22
29/11/2024 03:53:46	10.59	9.09	9.11	9.28	12.76	8.58	9.29	8.33	8.56	8.27
29/11/2024 03:54:46	10.25	9.18	9.24	9.40	12.88	8.69	9.40	8.44	8.66	8.38
29/11/2024 03:55:45	10.01	9.05	9.13	9.30	12.76	8.62	9.32	8.38	8.58	8.32
29/11/2024 03:56:45	10.34	9.09	9.18	9.33	12.85	8.62	9.35	8.36	8.61	8.30
29/11/2024 03:57:44	10.51	9.10	9.15	9.31	12.87	8.62	9.36	8.37	8.68	8.30
29/11/2024 03:58:43	10.31	9.09	9.12	9.28	12.77	8.57	9.33	8.32	8.62	8.26
29/11/2024 03:59:43	10.03	9.07	9.13	9.29	12.70	8.61	9.34	8.37	8.64	8.30
29/11/2024 04:00:42	9.97	9.05	9.12	9.29	12.79	8.59	9.33	8.34	8.58	8.28
29/11/2024 04:01:42	10.41	9.08	9.15	9.31	12.83	8.63	9.37	8.38	8.65	8.32
29/11/2024 04:02:41	9.78	9.04	9.11	9.27	12.83	8.60	9.37	8.36	8.61	8.29
29/11/2024 04:03:41	10.30	9.03	9.09	9.25	12.84	8.57	9.32	8.32	8.57	8.26
29/11/2024 04:04:40	10.76	9.03	9.10	9.26	12.80	8.59	9.35	8.35	8.62	8.28
29/11/2024 04:05:40	10.38	9.08	9.12	9.28	12.93	8.60	9.37	8.35	8.61	8.29
29/11/2024 04:06:40	10.24	9.05	9.10	9.26	12.89	8.57	9.34	8.33	8.56	8.27
29/11/2024 04:07:39	10.18	9.08	9.14	9.30	12.91	8.63	9.39	8.39	8.65	8.32
29/11/2024 04:08:39	10.05	9.08	9.13	9.29	12.81	8.59	9.34	8.34	8.58	8.28
29/11/2024 04:09:38	10.95	9.04	9.13	9.29	12.84	8.61	9.37	8.37	8.61	8.31
29/11/2024 04:10:37	10.32	9.03	9.09	9.26	12.79	8.57	9.32	8.33	8.56	8.26
29/11/2024 04:11:38	10.10	9.11	9.15	9.31	12.89	8.62	9.34	8.38	8.56	8.32
29/11/2024 04:12:37	9.86	9.06	9.11	9.28	12.78	8.60	9.34	8.36	8.59	8.30
29/11/2024 04:13:37	10.66	9.15	9.21	9.38	12.87	8.71	9.42	8.47	8.66	8.40
29/11/2024 04:14:38	9.98	9.05	9.13	9.29	12.88	8.62	9.34	8.38	8.53	8.32
29/11/2024 04:15:37	10.34	9.09	9.14	9.31	12.90	8.64	9.36	8.40	8.56	8.34
29/11/2024 04:16:36	9.84	9.10	9.14	9.31	12.97	8.63	9.38	8.39	8.57	8.33

29/11/2024 04:17:36	10.13	9.10	9.15	9.31	12.84	8.64	9.36	8.40	8.56	8.34
29/11/2024 04:18:36	10.03	9.09	9.15	9.31	12.87	8.62	9.34	8.37	8.55	8.31
29/11/2024 04:19:36	10.97	9.23	9.29	9.45	12.97	8.75	9.47	8.51	8.68	8.44
29/11/2024 04:20:35	9.99	9.09	9.14	9.30	12.81	8.63	9.36	8.39	8.58	8.33
29/11/2024 04:21:34	10.07	9.10	9.15	9.32	12.84	8.62	9.33	8.37	8.54	8.31
29/11/2024 04:22:34	9.81	9.04	9.11	9.28	12.78	8.58	9.32	8.34	8.53	8.27
29/11/2024 04:23:33	10.01	9.01	9.05	9.21	12.84	8.54	9.25	8.31	8.42	8.25
29/11/2024 04:24:33	11.22	9.33	9.39	9.56	13.23	8.83	9.60	8.57	8.75	8.51
29/11/2024 04:25:32	10.78	9.09	9.17	9.34	12.89	8.66	9.39	8.42	8.61	8.35
29/11/2024 04:26:32	10.36	9.05	9.10	9.26	12.93	8.59	9.37	8.34	8.56	8.28
29/11/2024 04:27:31	11.00	9.12	9.20	9.37	13.02	8.66	9.41	8.41	8.59	8.35
29/11/2024 04:28:31	10.77	9.07	9.13	9.30	12.93	8.59	9.35	8.35	8.52	8.28
29/11/2024 04:29:31	10.80	9.02	9.08	9.25	12.89	8.54	9.31	8.29	8.50	8.22
29/11/2024 04:30:31	10.35	9.17	9.25	9.42	13.14	8.70	9.51	8.45	8.72	8.38
29/11/2024 04:31:30	10.71	9.25	9.30	9.47	13.20	8.78	9.54	8.54	8.70	8.47
29/11/2024 04:32:30	10.95	9.19	9.28	9.45	13.30	8.74	9.54	8.49	8.69	8.42
29/11/2024 04:33:30	11.17	9.13	9.19	9.36	13.11	8.66	9.46	8.42	8.64	8.36
29/11/2024 04:34:30	10.86	9.20	9.26	9.43	13.15	8.71	9.51	8.46	8.67	8.40
29/11/2024 04:35:29	11.44	9.23	9.28	9.45	13.28	8.75	9.57	8.51	8.72	8.44
29/11/2024 04:36:29	10.41	9.16	9.22	9.39	13.18	8.69	9.52	8.44	8.67	8.37
29/11/2024 04:37:28	10.85	9.22	9.29	9.46	13.23	8.73	9.56	8.47	8.73	8.40
29/11/2024 04:38:28	10.48	9.15	9.22	9.39	13.16	8.68	9.49	8.43	8.65	8.37
29/11/2024 04:39:28	10.46	9.22	9.27	9.44	13.25	8.76	9.57	8.51	8.73	8.44
29/11/2024 04:40:27	10.99	9.17	9.25	9.42	13.38	8.73	9.58	8.49	8.73	8.42
29/11/2024 04:41:26	10.35	9.18	9.23	9.40	13.25	8.71	9.51	8.46	8.66	8.40
29/11/2024 04:42:27	10.56	9.37	9.43	9.61	13.51	8.90	9.73	8.64	8.85	8.58
29/11/2024 04:43:26	10.76	9.23	9.29	9.46	13.25	8.75	9.57	8.50	8.74	8.43
29/11/2024 04:44:27	10.75	9.17	9.22	9.39	13.30	8.68	9.52	8.43	8.66	8.37
29/11/2024 04:45:26	10.87	9.19	9.22	9.40	13.23	8.72	9.52	8.47	8.68	8.40
29/11/2024 04:46:26	10.31	9.18	9.22	9.39	13.20	8.70	9.51	8.46	8.67	8.39
29/11/2024 04:47:26	10.64	9.12	9.16	9.33	13.21	8.65	9.43	8.41	8.55	8.34
29/11/2024 04:48:25	10.33	9.12	9.19	9.35	13.31	8.66	9.53	8.41	8.66	8.34
29/11/2024 04:49:25	10.61	9.09	9.13	9.30	13.15	8.62	9.42	8.37	8.54	8.30
29/11/2024 04:50:24	10.27	9.16	9.22	9.39	13.36	8.68	9.52	8.43	8.64	8.37
29/11/2024 04:51:23	10.57	9.22	9.29	9.46	13.26	8.78	9.56	8.53	8.70	8.47
29/11/2024 04:52:24	10.58	9.17	9.23	9.40	13.45	8.69	9.55	8.44	8.67	8.37
29/11/2024 04:53:23	10.04	9.09	9.15	9.32	13.18	8.63	9.46	8.37	8.60	8.30
29/11/2024 04:54:23	10.34	9.14	9.19	9.36	13.29	8.65	9.50	8.40	8.63	8.33
29/11/2024 04:55:23	10.79	9.22	9.27	9.44	13.46	8.72	9.54	8.47	8.63	8.40
29/11/2024 04:56:23	10.46	9.19	9.23	9.39	13.34	8.70	9.55	8.46	8.67	8.39
29/11/2024 04:57:23	10.74	9.22	9.26	9.44	13.33	8.74	9.55	8.49	8.68	8.43
29/11/2024 04:58:22	10.28	9.18	9.23	9.40	13.32	8.72	9.54	8.48	8.67	8.42
29/11/2024 04:59:22	10.80	9.21	9.25	9.43	13.42	8.72	9.55	8.47	8.67	8.40
29/11/2024 05:00:21	10.54	9.18	9.22	9.40	13.45	8.70	9.57	8.46	8.68	8.39

29/11/2024 05:01:20	11.02	9.20	9.25	9.42	13.36	8.73	9.56	8.48	8.71	8.41
29/11/2024 05:02:21	10.54	9.22	9.27	9.44	13.34	8.76	9.60	8.51	8.73	8.44
29/11/2024 05:03:21	10.75	9.19	9.24	9.41	13.29	8.73	9.56	8.48	8.72	8.41
29/11/2024 05:04:20	10.38	9.19	9.24	9.41	13.32	8.71	9.54	8.46	8.68	8.39
29/11/2024 05:05:20	10.82	9.21	9.26	9.43	13.33	8.73	9.55	8.48	8.71	8.41
29/11/2024 05:06:19	11.34	9.26	9.29	9.46	13.33	8.77	9.60	8.52	8.74	8.46
29/11/2024 05:07:18	11.05	9.23	9.27	9.45	13.31	8.75	9.57	8.50	8.71	8.44
29/11/2024 05:08:18	10.91	9.19	9.23	9.40	13.42	8.70	9.59	8.45	8.74	8.38
29/11/2024 05:09:17	11.14	9.27	9.29	9.47	13.37	8.77	9.59	8.52	8.71	8.45
29/11/2024 05:10:17	10.66	9.31	9.37	9.54	13.46	8.82	9.69	8.57	8.82	8.50
29/11/2024 05:11:17	10.88	9.22	9.25	9.42	13.43	8.74	9.58	8.50	8.70	8.43
29/11/2024 05:12:16	10.47	9.50	9.50	9.68	13.42	8.92	9.73	8.65	8.88	8.59
29/11/2024 05:13:15	10.93	9.28	9.32	9.49	13.55	8.79	9.65	8.55	8.77	8.48
29/11/2024 05:14:16	10.62	9.31	9.34	9.52	13.51	8.80	9.66	8.55	8.76	8.48
29/11/2024 05:15:15	11.14	9.48	9.54	9.72	13.67	9.02	9.84	8.77	8.95	8.70
29/11/2024 05:16:15	10.74	9.21	9.24	9.42	13.34	8.70	9.56	8.45	8.67	8.38
29/11/2024 05:17:14	11.28	9.50	9.54	9.72	13.76	8.99	9.85	8.73	8.95	8.65
29/11/2024 05:18:13	11.24	9.56	9.62	9.79	13.89	9.07	9.97	8.81	9.07	8.74
29/11/2024 05:19:14	11.11	9.59	9.62	9.81	13.79	9.05	9.91	8.79	9.01	8.72
29/11/2024 05:20:13	10.62	9.40	9.43	9.61	13.57	8.89	9.74	8.64	8.85	8.57
29/11/2024 05:21:13	10.84	9.31	9.34	9.52	13.46	8.81	9.68	8.56	8.77	8.49
29/11/2024 05:22:12	10.80	9.42	9.46	9.64	13.66	8.91	9.61	8.65	8.92	8.57
29/11/2024 05:23:12	10.55	9.35	9.37	9.55	13.55	8.82	9.69	8.56	8.80	8.49
29/11/2024 05:24:11	10.63	9.14	9.16	9.34	13.33	8.59	9.49	8.33	8.59	8.26
29/11/2024 05:25:10	11.18	9.40	9.43	9.61	13.63	8.88	9.77	8.61	8.88	8.54
29/11/2024 05:26:10	10.96	9.60	9.63	9.81	13.82	9.07	9.97	8.81	9.06	8.74
29/11/2024 05:27:09	11.14	9.60	9.63	9.81	13.93	9.07	9.95	8.81	9.02	8.74
29/11/2024 05:28:09	10.61	9.43	9.45	9.64	13.57	8.92	9.78	8.67	8.89	8.60
29/11/2024 05:29:09	10.83	9.45	9.47	9.65	13.57	8.93	9.80	8.68	8.89	8.60
29/11/2024 05:30:08	10.77	9.36	9.39	9.57	13.56	8.86	9.76	8.60	8.87	8.53
29/11/2024 05:31:08	10.80	9.35	9.37	9.55	13.46	8.85	9.72	8.59	8.83	8.52
29/11/2024 05:32:07	10.68	9.44	9.46	9.64	13.54	8.94	9.80	8.69	8.92	8.62
29/11/2024 05:33:06	11.00	9.47	9.48	9.67	13.61	8.95	9.78	8.70	8.86	8.63
29/11/2024 05:34:06	10.65	9.42	9.45	9.64	13.56	8.93	9.81	8.67	8.92	8.60
29/11/2024 05:35:06	11.27	9.65	9.68	9.87	13.76	9.17	10.02	8.91	9.13	8.84
29/11/2024 05:36:05	11.50	9.73	9.74	9.93	14.01	9.15	10.08	8.89	9.17	8.92
29/11/2024 05:37:05	10.79	9.50	9.55	9.73	13.80	9.00	9.89	8.75	8.98	8.68
29/11/2024 05:38:05	10.86	9.48	9.50	9.68	13.69	8.94	9.85	8.68	8.96	8.60
29/11/2024 05:39:04	11.69	9.59	9.61	9.79	13.82	9.10	9.99	8.85	9.10	8.78
29/11/2024 05:40:05	11.03	9.41	9.43	9.61	13.70	8.88	9.79	8.63	8.86	8.56
29/11/2024 05:41:05	10.92	9.72	9.73	9.91	13.77	9.14	10.00	8.87	9.10	8.80
29/11/2024 05:42:04	11.22	9.51	9.54	9.71	13.82	9.01	9.93	8.76	9.04	8.69
29/11/2024 05:43:04	11.55	9.59	9.62	9.80	13.74	9.09	9.98	8.84	9.10	8.76
29/11/2024 05:44:03	10.71	9.58	9.60	9.78	13.74	9.08	9.96	8.83	9.09	8.75

29/11/2024 05:45:03	10.72	9.61	9.62	9.80	13.72	9.07	9.91	8.81	9.00	8.74
29/11/2024 05:46:03	11.30	9.54	9.55	9.74	13.56	8.96	9.82	8.69	8.91	8.62
29/11/2024 05:47:02	11.77	10.00	10.00	10.18	14.08	9.42	10.28	9.15	9.38	9.08
29/11/2024 05:48:02	11.78	9.54	9.55	9.74	13.73	9.00	9.89	8.74	8.97	8.66
29/11/2024 05:49:01	11.37	9.65	9.66	9.85	13.71	9.11	9.96	8.85	9.05	8.78
29/11/2024 05:50:00	10.58	9.71	9.73	9.92	13.79	9.15	10.01	8.88	9.07	8.81
29/11/2024 05:51:00	12.32	10.40	10.39	10.57	14.52	9.79	10.88	9.51	9.64	9.44
29/11/2024 05:52:00	10.81	9.25	9.24	9.43	13.32	8.72	9.59	8.46	8.67	8.39
29/11/2024 05:52:59	12.74	9.86	9.86	10.05	13.99	9.33	10.22	9.07	9.30	9.00
29/11/2024 05:54:00	12.53	9.96	9.98	10.16	14.23	9.43	10.33	9.17	9.39	9.10
29/11/2024 05:54:59	11.56	9.89	9.91	10.09	13.99	9.36	10.21	9.10	9.28	9.03
29/11/2024 05:55:59	11.49	9.80	9.82	10.00	14.01	9.25	10.15	8.99	9.21	8.92
29/11/2024 05:56:58	11.81	10.00	9.99	10.17	14.09	9.42	10.27	9.16	9.34	9.09
29/11/2024 05:57:57	10.98	9.74	9.74	9.93	13.81	9.18	10.07	8.92	9.17	8.84
29/11/2024 05:58:57	11.58	9.74	9.75	9.93	13.90	9.19	10.06	8.92	9.12	8.85
29/11/2024 05:59:57	11.97	9.91	9.94	10.12	14.01	9.37	10.26	9.11	9.35	9.03
29/11/2024 06:00:56	12.84	9.80	9.80	9.99	13.89	9.24	10.12	8.98	9.19	8.90
29/11/2024 06:01:55	11.96	9.87	9.87	10.06	14.06	9.28	10.17	9.01	9.20	8.93
29/11/2024 06:02:55	11.88	9.81	9.83	10.02	13.96	9.24	10.13	8.97	9.19	8.89
29/11/2024 06:03:55	11.70	9.81	9.82	10.01	13.92	9.24	10.13	8.97	9.20	8.90
29/11/2024 06:04:54	12.27	9.95	9.96	10.15	14.09	9.38	10.26	9.11	9.30	9.04
29/11/2024 06:05:54	11.73	9.93	9.94	10.13	14.10	9.35	10.24	9.07	9.27	9.00
29/11/2024 06:06:53	12.18	9.84	9.84	10.03	14.00	9.25	10.15	8.98	9.20	8.91
29/11/2024 06:07:53	11.79	9.87	9.87	10.06	13.95	9.28	10.18	9.01	9.23	8.93
29/11/2024 06:08:52	12.12	9.82	9.83	10.02	13.80	9.25	10.14	8.98	9.24	8.90
29/11/2024 06:09:53	11.61	9.91	9.91	10.10	13.98	9.31	10.23	9.03	9.31	8.96
29/11/2024 06:10:52	11.24	10.08	10.08	10.28	14.03	9.46	10.34	9.18	9.43	9.10
29/11/2024 06:11:52	12.42	9.98	9.98	10.17	14.14	9.35	10.28	9.07	9.34	9.00
29/11/2024 06:12:51	13.19	10.20	10.19	10.39	14.26	9.57	10.50	9.29	9.55	9.21
29/11/2024 06:13:50	12.40	10.21	10.20	10.40	14.40	9.57	10.49	9.28	9.53	9.21
29/11/2024 06:14:50	12.36	10.11	10.11	10.30	14.22	9.47	10.37	9.18	9.42	9.11
29/11/2024 06:15:49	12.22	10.04	10.04	10.24	14.17	9.42	10.33	9.14	9.37	9.06
29/11/2024 06:16:49	12.04	10.04	10.03	10.23	14.18	9.41	10.32	9.13	9.36	9.05
29/11/2024 06:17:49	12.95	10.27	10.27	10.46	14.54	9.65	10.57	9.37	9.59	9.29
29/11/2024 06:18:48	12.04	10.06	10.06	10.26	14.21	9.43	10.34	9.14	9.37	9.06
29/11/2024 06:19:48	11.42	9.89	9.88	10.08	14.02	9.26	10.18	8.97	9.20	8.90
29/11/2024 06:20:47	11.17	9.86	9.85	10.04	13.94	9.23	10.13	8.95	9.17	8.87
29/11/2024 06:21:47	10.50	10.01	10.00	10.19	14.02	9.38	10.27	9.09	9.29	9.02
29/11/2024 06:22:46	11.43	10.33	10.31	10.50	14.41	9.65	10.54	9.36	9.56	9.28
29/11/2024 06:23:46	11.28	10.22	10.21	10.41	14.29	9.53	10.44	9.24	9.46	9.16
29/11/2024 06:24:46	11.13	10.00	9.99	10.18	14.03	9.35	10.24	9.07	9.28	8.99
29/11/2024 06:25:46	10.50	10.18	10.18	10.37	14.20	9.53	10.42	9.24	9.44	9.16
29/11/2024 06:26:45	10.93	10.03	10.02	10.22	14.10	9.36	10.26	8.07	9.28	8.99
29/11/2024 06:27:44	11.18	10.08	10.07	10.27	14.16	9.40	10.33	9.11	9.35	9.03

29/11/2024 06:28:44	10.95	10.14	10.12	10.32	14.16	9.46	10.34	9.17	9.36	9.09
29/11/2024 06:29:44	10.88	10.22	10.21	10.41	14.37	9.56	10.46	9.27	9.47	9.20
29/11/2024 06:30:43	11.60	10.11	10.10	10.29	14.24	9.45	10.34	9.16	9.37	9.08
29/11/2024 06:31:43	11.20	10.08	10.07	10.27	14.18	9.41	10.33	9.12	9.35	9.04
29/11/2024 06:32:42	11.12	10.11	10.08	10.28	14.16	9.43	10.33	9.14	9.36	9.06
29/11/2024 06:33:41	10.82	10.08	10.07	10.27	14.13	9.40	10.30	9.10	9.31	9.03
29/11/2024 06:34:42	11.88	10.18	10.15	10.36	14.19	9.60	10.38	9.21	9.38	9.13
29/11/2024 06:35:41	10.97	10.20	10.18	10.38	14.30	9.50	10.41	9.21	9.42	9.13
29/11/2024 06:36:40	13.16	10.63	10.61	10.81	14.65	9.92	10.81	9.62	9.81	9.54
29/11/2024 06:37:40	12.36	10.52	10.49	10.69	14.63	9.81	10.70	9.51	9.67	9.43
29/11/2024 06:38:40	11.86	10.23	10.20	10.40	14.31	9.53	10.41	9.23	9.41	9.15
29/11/2024 06:39:39	11.01	10.03	10.00	10.20	14.11	9.35	10.25	9.06	9.24	8.98
29/11/2024 06:40:39	11.36	10.20	10.16	10.36	14.15	9.48	10.33	9.18	9.31	9.11
29/11/2024 06:41:39	12.46	10.60	10.58	10.77	14.73	9.89	10.80	9.60	9.77	9.52
29/11/2024 06:42:38	11.78	10.59	10.55	10.75	14.66	9.87	10.72	9.57	9.68	9.49
29/11/2024 06:43:38	11.82	10.34	10.30	10.51	14.37	9.64	10.51	9.34	9.47	9.26
29/11/2024 06:44:37	11.49	10.23	10.20	10.40	14.12	9.58	10.45	9.29	9.47	9.21
29/11/2024 06:45:36	10.83	10.31	10.28	10.48	14.38	9.61	10.49	9.31	9.46	9.23
29/11/2024 06:46:36	11.46	10.56	10.53	10.73	14.61	9.82	10.72	9.51	9.71	9.43
29/11/2024 06:47:35	11.83	10.66	10.63	10.83	14.66	9.92	10.83	9.62	9.83	9.54
29/11/2024 06:48:35	11.62	10.60	10.55	10.76	14.64	9.85	10.89	9.55	9.65	9.47
29/11/2024 06:49:35	11.44	10.32	10.30	10.50	14.25	9.61	10.51	9.31	9.50	9.22
29/11/2024 06:50:34	11.39	10.23	10.19	10.40	14.19	9.50	10.41	9.20	9.40	9.11
29/11/2024 06:51:34	11.81	10.47	10.44	10.64	14.48	9.72	10.60	9.41	9.56	9.33
29/11/2024 06:52:33	12.29	10.52	10.49	10.69	14.44	9.81	10.70	9.50	9.68	9.42
29/11/2024 06:53:33	10.73	10.57	10.54	10.74	14.56	9.81	10.72	9.51	9.71	9.43
29/11/2024 06:54:33	10.67	10.49	10.45	10.65	14.48	9.71	10.66	9.40	9.55	9.33
29/11/2024 06:55:32	11.00	10.34	10.30	10.50	14.24	9.63	10.53	9.33	9.53	9.25
29/11/2024 06:56:32	10.73	10.43	10.39	10.60	14.24	9.67	10.54	9.35	9.55	9.27
29/11/2024 06:57:31	10.80	10.51	10.47	10.67	14.45	9.77	10.67	9.47	9.66	9.38
29/11/2024 06:58:30	11.22	10.52	10.48	10.69	14.42	9.78	10.66	9.48	9.66	9.40
29/11/2024 06:59:30	11.00	10.60	10.56	10.76	14.55	9.83	10.70	9.52	9.65	9.44
29/11/2024 07:00:30	11.39	10.45	10.40	10.61	14.26	9.68	10.51	9.37	9.47	9.29
29/11/2024 07:01:29	10.39	10.58	10.55	10.75	14.50	9.77	10.65	9.45	9.60	9.37
29/11/2024 07:02:29	12.08	10.39	10.33	10.54	14.22	9.57	10.45	9.25	9.42	9.17
29/11/2024 07:03:28	11.03	10.16	10.12	10.33	14.02	9.36	10.24	9.04	9.21	8.96
29/11/2024 07:04:28	11.04	10.49	10.45	10.66	14.16	9.71	10.57	9.40	9.55	9.32
29/11/2024 07:05:27	10.94	10.62	10.57	10.78	14.61	9.79	10.67	9.47	9.63	9.39
29/11/2024 07:06:26	11.22	10.49	10.44	10.65	14.33	9.69	10.51	9.38	9.46	9.30
29/11/2024 07:07:26	11.04	10.46	10.42	10.63	14.23	9.65	10.47	9.34	9.42	9.26
29/11/2024 07:08:25	11.64	10.73	10.68	10.89	14.57	9.93	10.80	9.61	9.79	9.53
29/11/2024 07:09:25	11.90	10.69	10.63	10.84	14.51	9.84	10.70	9.51	9.66	9.44
29/11/2024 07:10:24	11.63	10.57	10.52	10.73	14.27	9.74	10.60	9.41	9.58	9.33
29/11/2024 07:11:24	11.30	10.73	10.70	10.91	14.58	9.96	10.82	9.64	9.81	9.56

29/11/2024 07:12:24	11.96	10.50	10.45	10.65	14.49	9.70	10.55	9.38	9.48	9.31
29/11/2024 07:13:23	11.78	10.65	10.59	10.80	14.56	9.84	10.60	9.53	9.63	9.45
29/11/2024 07:14:23	10.96	10.45	10.40	10.61	14.23	9.65	10.46	9.34	9.39	9.26
29/11/2024 07:15:22	11.38	10.57	10.53	10.73	14.49	9.76	10.61	9.43	9.53	9.35
29/11/2024 07:16:21	12.76	10.74	10.67	10.88	14.72	9.91	10.71	9.60	9.62	9.52
29/11/2024 07:17:22	11.80	10.73	10.67	10.88	14.85	9.92	10.77	9.61	9.67	9.53
29/11/2024 07:18:21	10.85	10.26	10.19	10.41	14.11	9.42	10.21	9.09	9.14	9.02
29/11/2024 07:19:20	11.40	10.32	10.27	10.48	14.17	9.50	10.30	9.19	9.20	9.11
29/11/2024 07:20:20	11.92	10.43	10.37	10.58	14.26	9.63	10.43	9.32	9.32	9.24
29/11/2024 07:21:20	11.81	10.61	10.53	10.74	14.48	9.76	10.57	9.44	9.49	9.36
29/11/2024 07:22:19	11.42	10.68	10.61	10.83	14.34	9.84	10.62	9.52	9.58	9.44
29/11/2024 07:23:19	11.44	10.73	10.68	10.88	14.60	9.90	10.70	9.59	9.63	9.51
29/11/2024 07:24:19	12.06	10.76	10.69	10.90	14.49	9.92	10.68	9.59	9.62	9.52
29/11/2024 07:25:18	11.03	10.58	10.52	10.73	14.43	9.72	10.53	9.39	9.45	9.31
29/11/2024 07:26:18	12.37	10.80	10.74	10.95	14.61	9.98	10.82	9.66	9.74	9.57
29/11/2024 07:27:18	11.22	10.55	10.48	10.69	14.35	9.66	10.50	9.36	9.40	9.28
29/11/2024 07:28:17	11.35	10.55	10.48	10.69	14.32	9.68	10.45	9.35	9.35	9.27
29/11/2024 07:29:17	11.22	10.52	10.44	10.65	14.38	9.64	10.45	9.32	9.35	9.24
29/11/2024 07:30:17	12.47	10.78	10.69	10.90	14.56	9.94	10.67	9.62	9.56	9.55
29/11/2024 07:31:16	11.72	10.95	10.88	11.08	14.87	10.10	10.87	9.78	9.78	9.70
29/11/2024 07:32:16	13.51	11.01	10.96	11.16	15.01	10.14	11.04	9.81	10.01	9.73
29/11/2024 07:33:15	13.05	10.79	10.75	10.95	14.51	9.93	10.78	9.61	9.79	9.53
29/11/2024 07:34:16	12.90	10.92	10.86	11.05	14.71	10.08	10.91	9.77	9.90	9.69
29/11/2024 07:35:15	11.73	10.87	10.82	11.02	14.90	9.99	10.65	9.66	9.80	9.59
29/11/2024 07:36:15	12.12	10.79	10.72	10.93	14.73	9.89	10.74	9.56	9.71	9.49
29/11/2024 07:37:16	11.66	10.89	10.84	11.04	14.83	9.98	10.85	9.65	9.82	9.58
29/11/2024 07:38:15	11.81	11.04	10.98	11.18	14.88	10.11	10.97	9.77	9.95	9.69
29/11/2024 07:39:14	12.01	10.80	10.75	10.95	14.36	9.87	10.72	9.53	9.74	9.45
29/11/2024 07:40:14	11.26	10.82	10.77	10.98	14.50	9.91	10.75	9.58	9.72	9.50
29/11/2024 07:41:13	10.92	10.84	10.79	10.99	14.71	9.94	10.82	9.60	9.80	9.53
29/11/2024 07:42:13	10.61	10.81	10.75	10.96	14.50	9.93	10.76	9.59	9.72	9.52
29/11/2024 07:43:12	10.35	11.12	11.06	11.27	14.76	10.18	11.00	9.64	9.95	9.76
29/11/2024 07:44:12	10.71	10.67	10.61	10.82	14.31	9.75	10.57	9.41	9.52	9.33
29/11/2024 07:45:12	10.52	10.81	10.74	10.94	14.42	9.87	10.70	9.54	9.68	9.46
29/11/2024 07:46:11	11.58	10.71	10.65	10.86	14.26	9.81	10.62	9.48	9.57	9.40
29/11/2024 07:47:12	9.96	10.63	10.57	10.77	14.29	9.71	10.53	9.38	9.49	9.31
29/11/2024 07:48:11	10.42	10.76	10.69	10.91	14.42	9.86	10.66	9.52	9.62	9.45
29/11/2024 07:49:10	10.75	10.91	10.84	11.04	14.54	9.98	10.82	9.65	9.81	9.57
29/11/2024 07:50:10	11.75	11.34	11.29	11.50	15.06	10.41	11.22	10.06	10.20	9.99
29/11/2024 07:51:09	10.68	10.81	10.76	10.97	14.61	9.92	10.79	9.59	9.79	9.51
29/11/2024 07:52:10	9.96	11.12	11.03	11.24	14.63	10.22	10.99	9.89	9.97	9.82
29/11/2024 07:53:09	11.80	11.18	11.11	11.32	15.03	10.25	11.10	9.82	10.07	9.84
29/11/2024 07:54:09	11.05	10.90	10.84	11.05	14.48	10.00	10.84	9.66	9.90	9.58
29/11/2024 07:55:09	11.03	11.48	11.43	11.63	15.12	10.60	11.40	10.27	10.39	10.20

29/11/2024 07:56:09	10.98	11.13	11.05	11.26	14.83	10.16	10.93	9.82	9.88	9.75
29/11/2024 07:57:08	13.25	11.92	11.85	12.05	15.99	11.01	11.89	10.69	10.81	10.61
29/11/2024 07:58:08	11.01	11.57	11.50	11.71	15.28	10.55	11.34	10.21	10.30	10.13
29/11/2024 07:59:07	12.97	11.57	11.52	11.72	15.27	10.63	11.44	10.29	10.39	10.21
29/11/2024 08:00:07	14.56	11.62	11.55	11.75	15.44	10.71	11.57	10.38	10.47	10.30
29/11/2024 08:01:06	12.84	11.70	11.64	11.84	15.79	10.73	11.61	10.39	10.50	10.32
29/11/2024 08:02:06	11.70	11.42	11.35	11.56	15.24	10.46	11.27	10.12	10.16	10.04
29/11/2024 08:03:06	12.54	11.48	11.41	11.61	15.49	10.54	11.39	10.21	10.28	10.14
29/11/2024 08:04:06	11.46	11.62	11.56	11.77	15.44	10.67	11.49	10.33	10.40	10.26
29/11/2024 08:05:06	11.30	11.55	11.47	11.68	15.21	10.62	11.39	10.28	10.32	10.20
29/11/2024 08:06:06	10.98	11.27	11.20	11.41	15.01	10.28	11.06	9.94	10.00	9.86
29/11/2024 08:07:05	10.65	11.24	11.19	11.40	14.97	10.32	11.13	9.99	10.08	9.91
29/11/2024 08:08:05	9.47	11.16	11.11	11.32	14.60	10.21	10.99	9.86	9.99	9.78
29/11/2024 08:09:05	10.27	11.00	10.95	11.16	14.62	10.08	10.88	9.74	9.85	9.66
29/11/2024 08:10:05	10.20	11.32	11.26	11.47	14.96	10.37	11.18	10.03	10.13	9.95
29/11/2024 08:11:05	11.38	11.09	11.03	11.24	14.75	10.17	10.97	9.84	9.88	9.76
29/11/2024 08:12:05	10.08	11.16	11.09	11.30	14.71	10.20	10.97	9.86	9.87	9.78
29/11/2024 08:13:05	11.85	11.52	11.46	11.67	15.37	10.58	11.44	10.24	10.36	10.16
29/11/2024 08:14:05	13.36	11.69	11.61	11.82	15.47	10.77	11.63	10.43	10.47	10.35
29/11/2024 08:15:04	13.89	11.66	11.78	11.99	15.81	10.86	11.79	10.51	10.63	10.43
29/11/2024 08:16:04	12.63	11.66	11.60	11.81	15.31	10.70	11.48	10.35	10.34	10.28
29/11/2024 08:17:03	12.22	11.42	11.35	11.56	15.19	10.48	11.30	10.14	10.16	10.06
29/11/2024 08:18:03	10.62	11.31	11.24	11.46	14.91	10.30	11.07	9.94	9.94	9.86
29/11/2024 08:19:02	10.25	11.40	11.34	11.55	15.01	10.41	11.21	10.05	10.08	9.98
29/11/2024 08:20:02	11.20	11.95	11.87	12.08	15.54	11.00	11.78	10.66	10.63	10.58
29/11/2024 08:21:02	11.47	11.70	11.64	11.84	15.46	10.75	11.57	10.41	10.41	10.33
29/11/2024 08:22:01	10.38	11.53	11.46	11.68	15.11	10.56	11.33	10.22	10.22	10.14
29/11/2024 08:23:01	10.74	11.54	11.47	11.66	15.18	10.56	11.38	10.21	10.26	10.14
29/11/2024 08:24:00	11.07	11.60	11.52	11.73	15.29	10.61	11.37	10.27	10.24	10.19
29/11/2024 08:25:00	11.12	11.44	11.37	11.58	15.24	10.48	11.29	10.14	10.15	10.07
29/11/2024 08:26:00	10.65	11.42	11.34	11.56	15.04	10.47	11.26	10.13	10.11	10.05
29/11/2024 08:26:59	10.68	11.32	11.25	11.46	14.89	10.37	11.19	10.09	10.10	9.95
29/11/2024 08:27:50	12.34	11.76	11.69	11.90	15.30	10.77	11.58	10.41	10.45	10.33
29/11/2024 08:28:58	10.85	11.58	11.51	11.72	15.29	10.55	11.43	10.19	10.30	10.11
29/11/2024 08:29:58	10.88	11.83	11.76	11.96	15.32	10.82	11.59	10.47	10.51	10.40
29/11/2024 08:30:58	10.38	11.47	11.39	11.61	15.08	10.49	11.33	10.14	10.22	10.06
29/11/2024 08:31:59	10.55	11.70	11.63	11.84	15.36	10.72	11.50	10.38	10.40	10.30
29/11/2024 08:32:58	10.24	11.25	11.17	11.38	14.70	10.26	11.03	9.91	9.92	9.83
29/11/2024 08:33:58	11.95	11.66	11.59	11.79	15.39	10.66	11.50	10.31	10.38	10.23
29/11/2024 08:34:58	10.28	11.78	11.71	11.91	15.26	10.78	11.58	10.43	10.47	10.36
29/11/2024 08:35:58	10.48	11.52	11.44	11.65	14.94	10.50	11.29	10.15	10.20	10.07
29/11/2024 08:36:57	9.86	11.70	11.63	11.84	15.10	10.64	11.45	10.28	10.34	10.20
29/11/2024 08:37:57	11.13	12.04	11.97	12.19	15.72	11.02	11.82	10.66	10.65	10.59
29/11/2024 08:38:57	12.08	11.92	11.85	12.06	15.79	10.92	11.81	10.57	10.70	10.50

29/11/2024 08:39:56	11.58	11.96	11.90	12.11	15.61	10.94	11.74	10.58	10.60	10.50
29/11/2024 08:40:56	12.81	12.01	11.92	12.13	15.57	10.99	11.84	10.64	10.67	10.56
29/11/2024 08:41:55	11.13	11.75	11.66	11.87	15.04	10.72	11.49	10.37	10.35	10.29
29/11/2024 08:42:55	11.94	11.74	11.67	11.88	15.28	10.75	11.57	10.40	10.47	10.32
29/11/2024 08:43:54	11.20	11.69	11.62	11.83	14.98	10.72	11.47	10.37	10.37	10.30
29/11/2024 08:44:54	11.20	11.44	11.37	11.58	14.72	10.42	11.20	10.06	10.07	9.98
29/11/2024 08:45:53	11.54	11.64	11.57	11.78	14.99	10.62	11.39	10.26	10.33	10.18
29/11/2024 08:46:53	11.67	11.76	11.69	11.90	15.33	10.78	11.59	10.43	10.50	10.35
29/11/2024 08:47:52	11.54	11.88	11.80	12.01	15.38	10.90	11.69	10.55	10.60	10.47
29/11/2024 08:48:51	10.35	11.66	11.57	11.78	14.97	10.60	11.40	10.23	10.31	10.15
29/11/2024 08:49:51	12.48	11.75	11.67	11.88	15.20	10.72	11.51	10.37	10.39	10.28
29/11/2024 08:50:50	12.89	12.03	11.95	12.16	15.76	10.92	11.76	10.54	10.61	10.47
29/11/2024 08:51:51	10.56	11.80	11.72	11.93	15.14	10.76	11.52	10.40	10.40	10.32
29/11/2024 08:52:50	10.79	11.74	11.65	11.86	15.08	10.65	11.49	10.27	10.34	10.19
29/11/2024 08:53:49	8.22	11.83	11.75	11.96	15.10	10.79	11.55	10.43	10.38	10.35
29/11/2024 08:54:49	4.81	12.67	12.59	12.79	16.20	11.57	12.38	11.20	11.21	11.12
29/11/2024 08:55:48	2.12	12.03	11.94	12.16	15.42	10.90	11.63	10.52	10.46	10.45
29/11/2024 08:56:48	-0.18	12.68	12.60	12.81	15.97	11.54	12.33	11.16	11.20	11.08
29/11/2024 08:57:48	3.31	12.74	12.65	12.87	16.16	11.62	12.44	11.23	11.34	11.15
29/11/2024 08:58:47	2.81	12.18	12.10	12.32	15.42	11.07	11.90	10.69	10.82	10.60
29/11/2024 08:59:47	3.15	12.24	12.18	12.39	15.54	11.14	11.91	10.76	10.84	10.69
29/11/2024 09:00:47	2.97	12.01	11.93	12.15	15.16	10.89	11.72	10.51	10.68	10.43
29/11/2024 09:01:47	3.35	12.21	12.13	12.35	15.38	11.10	11.93	10.71	10.88	10.63
29/11/2024 09:02:47	4.73	11.95	11.88	12.09	15.49	10.86	11.72	10.49	10.62	10.41
29/11/2024 09:03:46	6.11	12.50	12.43	12.64	15.79	11.42	12.26	11.05	11.23	10.97
29/11/2024 09:04:47	5.42	12.04	11.96	12.17	15.26	10.96	11.81	10.59	10.65	10.50
29/11/2024 09:05:47	6.45	12.45	12.37	12.58	15.78	11.34	12.11	10.96	11.00	10.88
29/11/2024 09:06:46	7.46	12.37	12.29	12.49	15.61	11.28	12.12	10.91	11.03	10.83
29/11/2024 09:07:46	8.49	12.18	12.10	12.31	15.52	11.11	11.98	10.74	10.94	10.86
29/11/2024 09:08:46	9.08	12.28	12.22	12.43	15.66	11.28	12.15	10.92	10.99	10.84
29/11/2024 09:09:45	9.25	12.04	11.97	12.18	15.30	10.97	11.83	10.60	10.63	10.52
29/11/2024 09:10:45	10.19	12.33	12.27	12.47	15.95	11.26	12.17	10.88	11.05	10.80
29/11/2024 09:11:44	10.37	12.28	12.20	12.41	15.67	11.18	11.98	10.81	10.70	10.73
29/11/2024 09:12:43	10.64	12.16	12.09	12.30	15.53	11.05	11.90	10.67	10.75	10.59
29/11/2024 09:13:43	11.36	12.22	12.17	12.38	15.64	11.19	12.07	10.81	10.97	10.73
29/11/2024 09:14:43	12.04	12.59	12.51	12.72	15.97	11.47	12.38	11.09	11.27	11.00
29/11/2024 09:15:42	11.62	12.22	12.13	12.34	15.57	11.11	11.96	10.73	10.82	10.65
29/11/2024 09:16:42	12.39	12.39	12.31	12.52	16.01	11.26	12.17	10.87	11.05	10.78
29/11/2024 09:17:42	12.56	12.32	12.25	12.46	15.89	11.20	12.12	10.82	11.03	10.73
29/11/2024 09:18:41	12.40	12.31	12.24	12.45	15.60	11.20	12.11	10.81	10.99	10.73
29/11/2024 09:19:41	12.36	12.37	12.28	12.49	15.83	11.22	12.11	10.83	10.97	10.74
29/11/2024 09:20:40	13.08	12.40	12.32	12.53	15.87	11.26	12.16	10.87	11.08	10.79
29/11/2024 09:21:40	12.14	12.33	12.25	12.46	15.72	11.19	12.06	10.81	10.93	10.72
29/11/2024 09:22:40	12.23	12.40	12.31	12.53	15.87	11.29	12.19	10.90	10.99	10.82

29/11/2024 09:23:39	13.29	12.49	12.41	12.62	15.90	11.33	12.21	10.94	11.12	10.85
29/11/2024 09:24:38	12.08	12.40	12.32	12.53	15.82	11.25	12.13	10.85	11.00	10.77
29/11/2024 09:25:37	11.04	12.39	12.31	12.52	15.53	11.24	12.09	10.84	11.02	10.76
29/11/2024 09:26:37	11.69	12.22	12.15	12.36	15.46	11.07	11.99	10.67	10.85	10.59
29/11/2024 09:27:36	11.42	12.25	12.16	12.37	15.28	11.07	11.94	10.68	10.97	10.59
29/11/2024 09:28:36	12.82	12.28	12.21	12.42	15.52	11.14	12.05	10.75	11.02	10.67
29/11/2024 09:29:36	11.95	12.27	12.18	12.39	15.31	11.13	12.01	10.74	11.07	10.66
29/11/2024 09:30:35	12.92	12.60	12.53	12.73	15.65	11.41	12.33	11.02	11.38	10.94
29/11/2024 09:31:35	12.89	12.69	12.61	12.82	15.99	11.50	12.42	11.10	11.26	11.02
29/11/2024 09:32:34	12.17	12.57	12.48	12.68	15.96	11.37	12.27	10.98	11.09	10.89
29/11/2024 09:33:33	11.65	12.39	12.29	12.50	15.65	11.19	12.04	10.80	10.92	10.72
29/11/2024 09:34:32	11.97	12.56	12.47	12.68	15.89	11.34	12.27	10.94	11.13	10.86
29/11/2024 09:35:33	12.01	12.43	12.33	12.54	15.81	11.24	12.15	10.84	11.01	10.76
29/11/2024 09:36:32	11.62	12.47	12.38	12.59	15.91	11.28	12.16	10.89	10.97	10.81
29/11/2024 09:37:31	11.61	12.53	12.45	12.66	15.71	11.36	12.24	10.97	11.12	10.88
29/11/2024 09:38:31	12.16	12.48	12.39	12.60	15.92	11.29	12.21	10.89	11.02	10.81
29/11/2024 09:39:31	11.51	12.47	12.38	12.59	15.67	11.27	12.12	10.87	10.93	10.79
29/11/2024 09:40:31	11.23	12.44	12.38	12.59	15.71	11.27	12.20	10.87	11.02	10.78
29/11/2024 09:41:30	11.49	12.46	12.39	12.60	15.59	11.30	12.17	10.90	11.07	10.82
29/11/2024 09:42:29	11.24	12.58	12.48	12.69	15.73	11.35	12.24	10.95	11.01	10.87
29/11/2024 09:43:30	11.16	12.50	12.43	12.64	15.68	11.30	12.15	10.90	10.84	10.82
29/11/2024 09:44:29	11.73	12.50	12.42	12.63	15.80	11.31	12.20	10.91	11.01	10.83
29/11/2024 09:45:29	11.41	12.45	12.37	12.58	15.70	11.25	12.11	10.85	10.87	10.77
29/11/2024 09:46:29	11.98	12.53	12.45	12.65	15.79	11.31	12.18	10.91	11.00	10.83
29/11/2024 09:47:29	11.44	12.64	12.56	12.77	15.87	11.42	12.29	11.01	11.15	10.92
29/11/2024 09:48:28	11.62	12.46	12.38	12.59	15.68	11.25	12.15	10.85	10.97	10.76
29/11/2024 09:49:27	11.55	12.52	12.43	12.64	15.79	11.32	12.24	10.91	11.07	10.82
29/11/2024 09:50:28	11.94	13.16	13.07	13.27	16.45	11.92	12.85	11.51	11.67	11.42
29/11/2024 09:51:27	12.06	12.72	12.63	12.85	15.95	11.47	12.42	11.05	11.27	10.96
29/11/2024 09:52:27	11.74	12.70	12.61	12.82	15.99	11.44	12.37	11.03	11.17	10.94
29/11/2024 09:53:27	11.96	12.59	12.50	12.71	16.09	11.36	12.28	10.95	11.06	10.87
29/11/2024 09:54:26	11.31	12.64	12.55	12.76	15.82	11.40	12.34	10.99	11.14	10.90
29/11/2024 09:55:25	11.68	12.60	12.50	12.72	15.90	11.34	12.23	10.92	11.06	10.83
29/11/2024 09:56:25	11.65	12.67	12.58	12.79	15.78	11.42	12.32	11.00	11.08	10.91
29/11/2024 09:57:24	11.52	12.77	12.68	12.90	15.77	11.49	12.38	11.06	11.19	10.98
29/11/2024 09:58:23	11.54	12.54	12.46	12.67	15.71	11.29	12.20	10.87	10.96	10.78
29/11/2024 09:59:24	11.83	12.84	12.73	12.94	16.07	11.58	12.48	11.16	11.22	11.07
29/11/2024 10:00:23	11.64	12.89	12.81	13.02	15.93	11.61	12.53	11.19	11.35	11.10
29/11/2024 10:01:23	12.45	12.91	12.81	13.03	15.99	11.62	12.50	11.19	11.31	11.10
29/11/2024 10:02:22	11.69	12.69	12.60	12.81	15.85	11.41	12.35	10.98	11.17	10.90
29/11/2024 10:03:22	11.58	12.68	12.59	12.81	15.77	11.39	12.30	10.96	11.03	10.87
29/11/2024 10:04:22	11.97	12.67	12.55	12.77	15.95	11.36	12.26	10.83	11.04	10.85
29/11/2024 10:05:21	11.61	12.78	12.70	12.91	15.66	11.47	12.35	11.04	11.04	10.95
29/11/2024 10:06:20	11.29	12.65	12.56	12.77	15.69	11.36	12.25	10.94	11.02	10.86

29/11/2024 10:07:20	11.95	12.76	12.68	12.89	15.76	11.50	12.40	11.08	11.13	11.00
29/11/2024 10:08:20	11.35	12.56	12.48	12.69	15.60	11.29	12.20	10.87	10.99	10.79
29/11/2024 10:09:19	12.06	12.76	12.68	12.89	15.91	11.52	12.46	11.10	11.14	11.01
29/11/2024 10:10:19	12.66	12.87	12.77	12.98	16.21	11.56	12.50	11.13	11.23	11.05
29/11/2024 10:11:18	12.38	12.74	12.65	12.86	15.72	11.43	12.31	11.00	11.12	10.92
29/11/2024 10:12:18	12.15	12.82	12.75	12.96	15.81	11.51	12.46	11.08	11.31	10.99
29/11/2024 10:13:17	12.07	12.80	12.71	12.92	15.81	11.50	12.38	11.08	11.16	11.00
29/11/2024 10:14:17	12.28	12.73	12.64	12.85	15.98	11.44	12.38	11.02	11.12	10.93
29/11/2024 10:15:17	12.68	12.89	12.79	13.00	15.87	11.55	12.48	11.12	11.22	11.03
29/11/2024 10:16:16	12.12	12.74	12.66	12.86	15.87	11.42	12.36	10.99	11.10	10.90
29/11/2024 10:17:16	11.81	12.72	12.64	12.85	15.76	11.44	12.38	11.01	11.18	10.93
29/11/2024 10:18:15	12.43	12.89	12.79	13.00	15.92	11.54	12.44	11.10	11.32	11.02
29/11/2024 10:19:15	12.62	12.79	12.69	12.90	15.70	11.44	12.34	11.00	11.26	10.91
29/11/2024 10:20:15	13.73	13.04	12.92	13.13	15.50	11.66	12.49	11.22	11.58	11.13
29/11/2024 10:21:14	13.52	12.96	12.84	13.05	15.64	11.60	12.46	11.16	11.45	11.07
29/11/2024 10:22:15	14.25	13.19	13.11	13.31	15.38	11.80	12.65	11.35	11.81	11.25
29/11/2024 10:23:15	13.61	12.89	12.80	13.01	15.31	11.47	12.35	11.01	11.35	10.92
29/11/2024 10:24:14	13.42	12.79	12.68	12.89	15.59	11.38	12.28	10.92	11.18	10.82
29/11/2024 10:26:14	13.54	13.04	12.92	13.12	15.86	11.64	12.54	11.20	11.28	11.11
29/11/2024 10:26:13	13.95	13.27	13.16	13.36	16.34	11.92	12.93	11.48	11.69	11.39
29/11/2024 10:27:13	12.24	12.73	12.63	12.84	15.47	11.32	12.18	10.87	11.00	10.77
29/11/2024 10:28:13	12.28	12.90	12.79	12.99	15.81	11.46	12.38	11.03	11.19	10.94
29/11/2024 10:29:12	12.92	12.83	12.71	12.92	15.62	11.43	12.35	10.98	11.19	10.88
29/11/2024 10:30:11	13.60	12.98	12.88	13.09	15.67	11.59	12.54	11.14	11.33	11.04
29/11/2024 10:31:11	12.23	12.82	12.71	12.92	15.61	11.42	12.31	10.96	11.19	10.87
29/11/2024 10:32:11	12.56	12.86	12.76	12.97	15.54	11.47	12.39	11.02	11.35	10.93
29/11/2024 10:33:10	12.63	12.88	12.78	12.99	15.38	11.45	12.33	10.98	11.34	10.89
29/11/2024 10:34:10	12.33	12.96	12.86	13.07	15.57	11.53	12.43	11.07	11.44	10.98
29/11/2024 10:35:10	12.35	13.15	13.04	13.25	15.88	11.71	12.64	11.25	11.44	11.15
29/11/2024 10:36:09	12.60	12.81	12.69	12.89	15.73	11.38	12.35	10.91	11.19	10.81
29/11/2024 10:37:08	12.44	12.91	12.79	13.00	15.68	11.45	12.36	10.99	11.12	10.89
29/11/2024 10:38:09	13.48	13.05	12.93	13.14	15.77	11.54	12.52	11.06	11.28	10.96
29/11/2024 10:39:08	13.33	13.12	13.01	13.23	15.73	11.64	12.60	11.16	11.45	11.05
29/11/2024 10:40:07	13.56	13.18	13.08	13.28	15.67	11.62	12.63	11.13	11.17	11.03
29/11/2024 10:41:08	12.76	13.09	13.00	13.20	15.55	11.55	12.55	11.06	11.50	10.96
29/11/2024 10:42:07	12.58	13.59	13.50	13.68	16.22	12.02	12.99	11.54	11.75	11.45
29/11/2024 10:43:06	15.22	13.85	13.77	13.95	16.28	12.25	13.25	11.77	12.09	11.68
29/11/2024 10:44:06	13.04	13.38	13.30	13.50	15.86	11.79	12.89	11.29	12.02	11.19
29/11/2024 10:45:05	14.39	13.54	13.47	13.67	15.93	11.91	12.86	11.40	11.83	11.30
29/11/2024 10:46:05	14.27	13.33	13.25	13.45	15.59	11.71	12.63	11.21	11.74	11.12
29/11/2024 10:47:05	14.89	13.66	13.60	13.82	15.88	12.05	13.03	11.53	12.24	11.43
29/11/2024 10:48:04	15.31	13.58	13.54	13.74	15.89	12.01	13.01	11.51	12.08	11.41
29/11/2024 10:49:04	14.25	13.41	13.37	13.57	15.74	11.81	12.81	11.30	11.79	11.20
29/11/2024 10:50:03	14.91	13.37	13.34	13.53	15.15	11.79	12.75	11.30	11.82	11.20

29/11/2024 10:51:02	14.42	13.49	13.49	13.64	15.15	11.96	12.94	11.49	11.99	11.39
29/11/2024 10:52:02	13.94	13.24	13.22	13.37	14.79	11.67	12.58	11.18	11.58	11.08
29/11/2024 10:53:01	15.15	13.41	13.40	13.54	15.17	11.84	12.81	11.36	11.76	11.27
29/11/2024 10:54:00	14.79	13.47	13.43	13.58	14.89	11.84	12.69	11.35	11.74	11.26
29/11/2024 10:55:00	15.13	13.76	13.75	13.90	15.18	12.12	12.94	11.62	11.91	11.53
29/11/2024 10:55:59	14.57	13.22	13.22	13.37	14.86	11.67	12.54	11.19	11.51	11.09
29/11/2024 10:56:59	15.43	13.29	13.29	13.44	15.02	11.73	12.60	11.24	11.46	11.15
29/11/2024 10:57:59	15.18	13.27	13.23	13.38	14.71	11.61	12.36	11.11	11.26	11.02
29/11/2024 10:58:58	14.98	13.56	13.47	13.65	14.71	11.76	12.39	11.23	11.31	11.14
29/11/2024 10:59:57	14.53	13.33	13.25	13.41	14.18	11.64	12.24	11.15	11.24	11.06
29/11/2024 11:00:58	14.47	13.53	13.43	13.61	14.36	11.74	12.28	11.22	11.18	11.13
29/11/2024 11:01:57	14.66	13.51	13.40	13.58	14.59	11.71	12.38	11.19	11.25	11.10
29/11/2024 11:02:57	14.47	13.75	13.64	13.82	14.46	11.97	12.51	11.44	11.37	11.35
29/11/2024 11:03:56	14.11	13.64	13.55	13.72	14.32	11.88	12.43	11.36	11.32	11.27
29/11/2024 11:04:56	14.26	13.72	13.64	13.80	14.21	11.97	12.44	11.46	11.29	11.36
29/11/2024 11:05:56	14.38	13.73	13.64	13.81	14.55	11.97	12.49	11.46	11.35	11.37
29/11/2024 11:06:55	14.34	13.82	13.73	13.60	14.49	12.04	12.56	11.52	11.42	11.42
29/11/2024 11:07:54	14.25	13.85	13.76	13.93	14.51	12.04	12.55	11.50	11.42	11.41
29/11/2024 11:08:54	14.46	13.91	13.79	13.96	14.46	12.05	12.51	11.50	11.40	11.41
29/11/2024 11:09:53	14.29	13.97	13.84	14.02	14.37	12.03	12.46	11.46	11.32	11.37
29/11/2024 11:10:53	14.30	14.09	13.93	14.11	14.56	12.04	12.42	11.47	11.30	11.37
29/11/2024 11:11:53	14.24	14.25	14.08	14.26	14.61	12.17	12.56	11.58	11.44	11.49
29/11/2024 11:12:52	14.44	14.54	14.36	14.55	14.78	12.35	12.72	11.74	11.55	11.64
29/11/2024 11:13:52	14.36	14.38	14.17	14.35	14.74	12.12	12.54	11.50	11.35	11.41
29/11/2024 11:14:51	14.61	14.44	14.25	14.44	14.81	12.20	12.57	11.57	11.34	11.48
29/11/2024 11:15:51	14.40	14.68	14.45	14.63	14.85	12.29	12.70	11.64	11.51	11.55
29/11/2024 11:16:50	14.68	15.05	14.80	14.99	14.94	12.61	12.93	11.95	11.81	11.85
29/11/2024 11:17:51	14.37	14.81	14.54	14.72	14.82	12.28	12.65	11.58	11.48	11.48
29/11/2024 11:18:50	14.74	15.06	14.72	14.90	14.74	12.37	12.67	11.67	11.57	11.57
29/11/2024 11:19:49	15.20	15.23	14.94	15.12	15.13	12.49	12.87	11.75	11.68	11.64
29/11/2024 11:20:49	15.21	15.18	14.86	15.03	15.02	12.38	12.71	11.64	11.57	11.53
29/11/2024 11:21:48	15.15	15.23	14.92	15.08	15.18	12.39	12.84	11.63	11.67	11.51
29/11/2024 11:22:47	15.58	15.32	15.03	15.17	15.13	12.36	12.69	11.57	11.54	11.45
29/11/2024 11:23:48	15.59	15.24	14.94	15.06	15.30	12.10	12.61	11.26	11.40	11.14
29/11/2024 11:24:47	15.96	15.88	15.62	15.71	15.61	12.50	13.02	11.58	11.81	11.44
29/11/2024 11:25:47	16.22	15.81	15.53	15.64	15.71	12.36	12.95	11.45	11.68	11.32
29/11/2024 11:26:47	15.85	15.91	15.63	15.70	15.45	12.55	13.13	11.62	11.93	11.46
29/11/2024 11:27:46	13.75	16.03	15.78	15.82	15.21	12.60	13.15	11.59	11.93	11.39
29/11/2024 11:28:46	13.44	16.12	15.93	15.92	15.45	12.55	13.23	11.50	11.97	11.29
29/11/2024 11:29:45	13.83	16.10	15.91	15.92	15.48	12.40	13.19	11.33	11.88	11.12
29/11/2024 11:30:45	14.57	16.51	16.30	16.29	15.56	12.40	13.05	11.31	11.79	11.16
29/11/2024 11:31:44	14.91	16.33	16.16	16.13	15.90	12.24	13.05	11.12	11.71	10.95
29/11/2024 11:32:44	14.54	16.47	16.28	16.20	15.76	12.29	13.07	11.14	11.85	10.85
29/11/2024 11:33:43	14.82	16.60	16.42	16.31	15.83	12.30	13.18	11.15	11.94	10.97

29/11/2024 11:34:42	15.19	16.59	16.39	16.27	16.01	12.33	13.06	11.18	11.75	10.99
29/11/2024 11:35:42	15.54	16.68	16.46	16.32	15.94	12.07	12.91	10.88	11.54	10.73
29/11/2024 11:36:41	14.81	16.76	16.57	16.46	16.16	12.32	13.25	11.10	11.84	10.90
29/11/2024 11:37:40	15.58	16.91	16.66	16.55	16.13	12.27	13.28	11.06	11.91	10.89
29/11/2024 11:38:40	15.59	16.89	16.65	16.53	16.43	12.27	13.42	11.03	11.77	10.82
29/11/2024 11:39:39	15.74	17.09	16.92	16.81	16.42	12.24	13.52	10.98	11.99	10.83
29/11/2024 11:40:38	16.07	17.11	16.89	16.79	16.59	12.12	13.44	10.85	11.84	10.70
29/11/2024 11:41:37	15.50	17.10	16.89	16.82	16.48	12.06	13.31	10.90	11.74	10.67
29/11/2024 11:42:37	15.79	17.09	16.80	16.76	16.50	11.93	13.33	10.62	11.68	10.46
29/11/2024 11:43:37	15.24	17.08	16.85	16.83	16.37	11.57	13.36	10.24	11.70	10.16
29/11/2024 11:44:37	15.76	17.12	16.94	16.93	16.50	11.07	13.63	9.74	11.82	9.76
29/11/2024 11:45:37	15.55	17.16	16.97	17.00	16.33	11.37	13.62	10.02	12.03	9.99
29/11/2024 11:46:36	16.01	17.46	17.22	17.26	16.73	11.59	13.81	10.20	12.20	10.13
29/11/2024 11:47:35	16.07	17.49	17.13	17.19	16.65	11.42	13.48	10.02	11.81	9.98
29/11/2024 11:48:35	16.40	17.56	17.36	17.45	16.85	11.86	13.72	10.45	12.07	10.37
29/11/2024 11:49:34	15.87	17.21	16.93	17.04	16.32	11.08	13.26	9.65	11.56	9.60
29/11/2024 11:50:34	16.39	17.84	17.59	17.72	16.92	11.28	14.45	9.81	12.54	9.85
29/11/2024 11:51:34	16.42	17.87	17.58	17.66	16.75	11.95	13.40	10.51	11.82	10.42
29/11/2024 11:52:33	16.50	17.87	17.45	17.59	16.80	11.23	13.92	9.75	12.09	9.75
29/11/2024 11:53:33	16.96	18.06	17.63	17.77	16.88	11.72	13.85	10.25	12.08	10.20
29/11/2024 11:54:32	16.74	17.77	17.32	17.47	16.59	11.66	13.06	10.19	11.39	10.10
29/11/2024 11:55:32	17.27	18.06	17.55	17.71	16.87	11.68	13.74	10.20	11.98	10.14
29/11/2024 11:56:32	16.71	18.00	17.52	17.69	16.70	11.81	13.01	10.32	11.36	10.22
29/11/2024 11:57:31	17.00	17.96	17.40	17.59	16.59	11.36	13.58	9.65	11.75	9.80
29/11/2024 11:58:31	16.47	17.94	17.42	17.61	16.48	11.42	13.40	9.90	11.63	9.84
29/11/2024 11:59:32	17.20	18.16	17.60	17.80	18.81	11.63	13.68	10.11	11.83	10.05
29/11/2024 12:00:31	17.18	18.10	17.52	17.72	18.67	11.61	13.47	10.08	11.66	10.01
29/11/2024 12:01:30	17.34	18.30	17.72	17.93	16.91	11.90	13.24	10.37	11.46	10.28
29/11/2024 12:02:31	17.67	18.40	17.80	18.01	16.96	11.95	13.51	10.42	11.71	10.32
29/11/2024 12:03:30	17.25	18.54	17.90	18.11	16.97	11.90	14.33	10.35	12.33	10.27
29/11/2024 12:04:29	16.76	18.45	17.82	18.04	16.81	11.75	14.36	10.19	12.37	10.12
29/11/2024 12:05:28	17.14	18.45	17.78	18.00	16.84	11.75	14.32	10.19	12.22	10.11
29/11/2024 12:06:29	17.37	18.53	17.88	18.09	16.95	11.88	14.37	10.32	12.34	10.24
29/11/2024 12:07:29	17.44	18.73	18.03	18.27	17.10	11.87	14.86	10.28	12.65	10.21
29/11/2024 12:08:29	17.50	19.07	18.41	18.64	17.37	12.30	15.56	10.71	13.35	10.64
29/11/2024 12:09:29	17.34	19.01	18.27	18.52	17.24	12.16	14.56	10.55	12.47	10.46
29/11/2024 12:10:28	17.27	18.85	18.19	18.44	17.07	12.13	14.61	10.52	12.54	10.43
29/11/2024 12:11:27	17.40	19.00	18.24	18.49	17.22	12.09	14.82	10.48	12.60	10.39
29/11/2024 12:12:28	17.41	18.93	18.25	18.50	17.17	12.21	14.76	10.61	12.61	10.51
29/11/2024 12:13:27	17.54	19.06	18.36	18.61	17.19	12.29	14.83	10.68	12.68	10.58
29/11/2024 12:14:26	17.53	18.97	18.28	18.52	17.20	12.23	15.01	10.88	12.81	10.53
29/11/2024 12:15:26	17.53	19.15	18.47	18.72	17.29	12.38	15.11	10.77	12.92	10.67
29/11/2024 12:16:26	17.80	19.12	18.45	18.69	17.32	12.41	15.33	10.81	13.11	10.71
29/11/2024 12:17:25	17.61	19.28	18.64	18.86	17.52	12.56	15.62	10.96	13.31	10.87

29/11/2024 12:18:25	17.95	19.26	18.61	18.83	17.47	12.58	15.83	10.99	13.51	10.90
29/11/2024 12:19:24	17.96	19.37	18.67	18.92	17.49	12.51	15.86	10.89	13.46	10.81
29/11/2024 12:20:24	18.29	19.58	18.87	19.08	17.79	12.73	15.86	11.15	13.48	11.07
29/11/2024 12:21:24	18.87	19.66	18.97	19.16	17.99	12.92	16.36	11.35	13.93	11.26
29/11/2024 12:22:23	19.00	19.53	18.83	19.01	17.94	12.77	16.45	11.21	14.05	11.13
29/11/2024 12:23:22	18.91	19.50	18.78	18.96	17.77	12.61	16.23	11.02	13.83	10.95
29/11/2024 12:24:23	19.10	19.54	18.83	19.02	17.89	12.62	16.48	11.03	14.01	10.97
29/11/2024 12:25:22	19.41	19.70	18.94	19.15	18.00	12.69	16.37	11.09	13.89	11.02
29/11/2024 12:26:22	19.44	19.77	19.00	19.19	18.13	12.71	16.58	11.11	14.08	11.05
29/11/2024 12:27:22	19.34	19.71	18.89	19.09	18.00	12.45	16.37	10.84	13.81	10.79
29/11/2024 12:28:22	19.41	19.76	18.94	19.12	18.16	12.63	16.68	11.04	14.17	10.98
29/11/2024 12:29:21	19.29	19.60	18.75	18.94	18.10	12.40	16.55	10.80	14.00	10.74
29/11/2024 12:30:21	19.01	19.52	18.75	18.91	17.89	12.46	16.57	10.87	14.11	10.81
29/11/2024 12:31:21	19.14	19.71	18.92	19.08	18.06	12.59	16.52	11.01	14.07	10.96
29/11/2024 12:32:20	19.42	19.72	18.92	19.06	18.23	12.53	16.55	10.96	14.04	10.92
29/11/2024 12:33:19	19.23	19.72	18.92	19.07	18.06	12.69	16.63	11.12	14.21	11.06
29/11/2024 12:34:20	19.29	19.76	18.91	18.97	17.97	12.64	16.47	11.05	14.09	11.00
29/11/2024 12:35:19	19.26	19.73	18.87	19.02	17.92	12.57	16.27	10.98	13.86	10.93
29/11/2024 12:36:19	19.53	19.84	18.94	19.12	17.95	12.60	16.38	11.01	14.08	10.96
29/11/2024 12:37:18	19.62	20.04	19.23	19.42	18.17	12.93	16.77	11.33	14.43	11.27
29/11/2024 12:38:17	19.51	19.79	18.95	19.13	17.93	12.58	16.53	10.97	14.14	10.92
29/11/2024 12:39:18	19.47	19.95	19.15	19.32	18.05	12.76	16.65	11.16	14.24	11.11
29/11/2024 12:40:17	19.57	20.16	19.32	19.42	18.25	12.92	16.63	11.36	14.25	11.34
29/11/2024 12:41:16	20.13	19.81	18.95	19.12	18.26	12.60	16.46	11.00	13.96	10.95
29/11/2024 12:42:16	20.48	20.68	19.71	19.96	18.60	13.25	16.86	11.59	14.39	11.52
29/11/2024 12:43:16	19.88	20.17	19.33	19.52	18.44	12.86	16.70	11.23	14.17	11.17
29/11/2024 12:44:16	20.44	20.18	19.21	19.33	18.67	12.92	16.74	11.34	14.20	11.27
29/11/2024 12:45:15	20.33	20.08	19.11	19.18	18.61	12.83	16.64	11.29	14.08	11.24
29/11/2024 12:46:14	20.58	19.94	18.99	19.01	18.70	12.76	16.71	11.26	14.14	11.22
29/11/2024 12:47:14	20.54	20.02	19.10	19.14	18.66	12.86	16.82	11.33	14.28	11.29
29/11/2024 12:48:14	20.54	20.02	19.06	19.12	18.68	12.67	16.62	11.11	14.01	11.07
29/11/2024 12:49:13	20.48	20.14	19.14	19.23	18.60	12.68	16.45	11.10	13.85	11.06
29/11/2024 12:50:13	20.91	20.20	19.20	19.28	18.82	12.75	16.60	11.17	13.96	11.13
29/11/2024 12:51:13	21.09	20.26	19.29	19.36	18.92	12.75	16.74	11.17	14.08	11.14
29/11/2024 12:52:13	21.19	20.42	19.37	19.38	19.08	12.74	16.64	11.19	13.89	11.19
29/11/2024 12:53:12	20.99	20.25	19.25	19.29	18.89	12.74	16.70	11.17	14.03	11.14
29/11/2024 12:54:12	21.16	20.35	19.34	19.40	18.93	12.72	16.65	11.12	13.94	11.10
29/11/2024 12:55:12	20.92	20.55	19.47	19.63	18.70	12.79	16.57	11.12	13.87	11.07
29/11/2024 12:56:11	21.30	20.85	19.87	20.00	19.27	13.29	17.32	11.64	14.64	11.57
29/11/2024 12:57:11	21.04	20.53	19.48	19.61	18.79	12.75	16.64	11.08	13.94	11.04
29/11/2024 12:58:10	21.16	20.64	19.63	19.72	19.04	12.99	16.91	11.35	14.19	11.29
29/11/2024 12:59:09	20.88	20.64	19.63	19.76	18.87	13.00	16.89	11.35	14.20	11.29
29/11/2024 13:00:09	21.10	20.63	19.58	19.68	18.84	12.97	16.84	11.34	14.19	11.28
29/11/2024 13:01:08	20.66	20.41	19.39	19.50	18.60	12.78	16.72	11.14	14.06	11.08

29/11/2024 13:02:08	21.00	20.52	19.51	19.59	18.86	12.92	16.84	11.29	14.18	11.24
29/11/2024 13:03:07	20.73	20.42	19.37	19.47	18.60	12.76	16.66	11.12	13.99	11.07
29/11/2024 13:04:06	20.89	20.38	19.31	19.41	18.68	12.70	16.75	11.06	14.07	11.01
29/11/2024 13:05:05	20.69	20.36	19.33	19.42	18.59	12.72	16.71	11.07	14.03	11.02
29/11/2024 13:06:05	20.73	20.37	19.31	19.40	18.68	12.67	16.77	11.03	14.10	10.97
29/11/2024 13:07:04	20.96	20.58	19.51	19.63	18.80	12.85	16.91	11.19	14.23	11.14
29/11/2024 13:08:04	21.12	20.50	19.44	19.52	18.82	12.84	16.90	11.22	14.22	11.17
29/11/2024 13:09:04	20.94	20.51	19.41	19.48	18.76	12.85	16.85	11.23	14.18	11.18
29/11/2024 13:10:04	21.15	20.61	19.56	19.61	18.88	12.98	17.09	11.37	14.41	11.32
29/11/2024 13:11:03	21.38	20.50	19.39	19.42	18.85	12.83	16.93	11.23	14.25	11.18
29/11/2024 13:12:03	21.98	20.72	19.58	19.60	19.23	13.02	17.10	11.43	14.40	11.38
29/11/2024 13:13:02	21.41	20.56	19.51	19.57	18.93	13.01	17.28	11.40	14.61	11.34
29/11/2024 13:14:01	22.40	20.82	19.61	19.59	19.26	12.79	16.81	11.20	13.99	11.19
29/11/2024 13:15:01	21.20	20.20	19.04	19.07	18.61	12.30	16.44	10.68	13.67	10.64
29/11/2024 13:16:01	21.62	20.63	19.54	19.54	19.12	12.91	17.11	11.35	14.40	11.30
29/11/2024 13:17:01	21.28	20.49	19.41	19.43	18.88	12.83	17.16	11.23	14.43	11.17
29/11/2024 13:18:01	21.74	20.46	19.26	19.19	18.92	12.62	16.70	11.06	13.94	11.03
29/11/2024 13:19:01	21.79	20.58	19.45	19.47	18.98	12.84	17.12	11.23	14.37	11.18
29/11/2024 13:20:00	22.06	20.48	19.32	19.34	18.84	12.72	16.97	11.11	14.23	11.06
29/11/2024 13:21:00	22.00	20.69	19.48	19.51	19.11	12.86	17.14	11.23	14.40	11.17
29/11/2024 13:22:00	22.29	20.78	19.55	19.58	19.23	12.91	17.22	11.28	14.46	11.23
29/11/2024 13:22:59	22.23	20.90	19.65	19.71	19.22	12.96	17.21	11.32	14.43	11.26
29/11/2024 13:23:58	22.45	20.94	19.60	19.62	19.17	13.00	17.05	11.38	14.33	11.33
29/11/2024 13:24:58	22.49	21.02	19.74	19.78	19.25	13.12	17.12	11.48	14.39	11.42
29/11/2024 13:25:58	22.86	20.98	19.69	19.73	19.69	13.15	17.43	11.53	14.78	11.46
29/11/2024 13:26:58	22.55	20.90	19.71	19.79	19.29	13.14	17.45	11.49	14.77	11.42
29/11/2024 13:27:58	22.71	21.00	19.66	19.72	19.32	13.11	17.27	11.47	14.59	11.40
29/11/2024 13:28:57	22.68	20.76	19.24	19.28	18.70	12.83	16.98	11.24	14.32	11.17
29/11/2024 13:29:57	22.63	20.88	19.33	19.41	19.52	12.87	17.23	11.25	14.51	11.17
29/11/2024 13:30:57	23.07	21.25	19.74	19.86	19.52	13.32	17.60	11.68	14.90	11.59
29/11/2024 13:31:57	23.54	21.29	19.76	19.82	20.11	13.38	17.51	11.79	14.76	11.71
29/11/2024 13:32:56	23.02	21.08	19.54	19.55	19.68	13.17	17.27	11.59	14.54	11.52
29/11/2024 13:33:56	22.96	21.08	19.45	19.47	19.59	13.08	17.28	11.49	14.58	11.41
29/11/2024 13:34:56	23.08	21.17	19.45	19.47	19.32	13.04	17.36	11.44	14.66	11.37
29/11/2024 13:35:55	23.05	21.09	19.46	19.47	19.65	13.02	17.38	11.43	14.62	11.36
29/11/2024 13:36:54	23.03	21.34	19.52	19.57	19.10	13.07	17.34	11.46	14.61	11.38
29/11/2024 13:37:54	23.45	21.58	19.54	19.58	19.62	13.13	17.58	11.54	14.82	11.47
29/11/2024 13:38:53	23.28	21.41	19.52	19.56	19.92	13.07	17.54	11.47	14.77	11.40
29/11/2024 13:39:53	23.07	21.22	19.00	19.04	19.42	12.69	17.14	11.13	14.40	11.07
29/11/2024 13:40:52	23.48	21.44	19.19	19.21	19.62	12.89	17.46	11.35	14.72	11.29
29/11/2024 13:41:51	23.52	21.29	19.02	19.06	20.59	12.70	17.48	11.14	14.59	11.07
29/11/2024 13:42:51	23.84	21.48	19.21	19.23	21.05	12.92	17.60	11.37	14.66	11.30
29/11/2024 13:43:50	24.05	21.27	19.09	19.06	20.92	12.83	17.57	11.42	14.70	11.35
29/11/2024 13:44:49	24.60	21.81	19.52	19.54	21.70	13.27	18.00	11.74	15.00	11.67

29/11/2024 13:45:49	24.39	21.20	18.97	18.96	20.98	12.80	17.49	11.28	14.56	11.22
29/11/2024 13:46:48	24.58	21.41	19.13	19.14	21.39	12.92	17.65	11.39	14.68	11.31
29/11/2024 13:47:47	24.99	21.54	19.21	19.25	21.59	12.98	17.74	11.45	14.75	11.39
29/11/2024 13:48:47	25.30	21.48	19.19	19.20	21.62	13.09	17.71	11.59	14.72	11.52
29/11/2024 13:49:46	25.87	21.65	19.34	19.35	21.94	13.24	17.98	11.73	14.98	11.65
29/11/2024 13:50:46	25.39	21.46	19.10	19.11	22.09	12.96	17.89	11.47	14.78	11.40
29/11/2024 13:51:45	25.08	21.63	18.91	19.16	21.40	12.89	18.37	11.35	15.51	11.28
29/11/2024 13:52:45	25.08	21.83	18.94	19.17	21.35	12.89	18.23	11.37	15.37	11.31
29/11/2024 13:53:45	25.51	21.85	18.89	19.19	21.62	12.72	18.15	11.17	15.17	11.12
29/11/2024 13:54:44	25.83	22.18	19.09	19.40	22.02	12.84	18.41	11.24	15.28	11.16
29/11/2024 13:55:43	26.33	22.71	19.59	19.92	22.32	13.33	18.75	11.71	15.62	11.63
29/11/2024 13:56:43	26.69	22.74	19.58	19.95	22.73	13.61	19.08	12.03	15.92	11.95
29/11/2024 13:57:43	26.70	22.65	19.50	19.82	22.78	13.29	18.66	11.68	15.44	11.60
29/11/2024 13:58:42	26.28	22.79	19.58	19.92	22.77	13.20	18.69	11.55	15.40	11.47
29/11/2024 13:59:42	25.99	22.75	19.50	20.03	22.11	13.40	18.67	11.75	15.51	11.68
29/11/2024 14:00:42	26.73	23.64	20.45	20.63	23.43	13.89	19.38	12.20	16.04	12.10
29/11/2024 14:01:41	26.83	23.14	20.02	20.33	22.98	13.44	19.01	11.73	15.71	11.62
29/11/2024 14:02:41	26.58	23.17	20.09	20.21	22.40	13.41	18.45	11.74	15.20	11.67
29/11/2024 14:03:40	27.09	23.32	20.29	20.42	22.72	13.58	18.72	11.88	15.47	11.80
29/11/2024 14:04:40	26.93	23.32	20.27	20.40	22.57	13.43	18.52	11.71	15.24	11.64
29/11/2024 14:05:40	26.99	23.60	20.72	20.86	22.88	13.78	18.68	12.02	15.37	11.95
29/11/2024 14:06:40	27.08	23.66	20.63	20.78	22.96	13.66	18.67	11.91	15.34	11.83
29/11/2024 14:07:40	26.93	23.82	20.79	20.96	22.94	13.82	18.79	12.05	15.50	11.97
29/11/2024 14:08:40	27.52	24.38	21.36	21.56	23.44	14.38	19.31	12.58	16.01	12.49
29/11/2024 14:09:40	27.30	24.26	21.27	21.45	23.48	14.19	19.19	12.38	15.86	12.29
29/11/2024 14:10:40	27.12	24.02	21.05	21.24	23.06	13.88	18.85	12.04	15.48	11.95
29/11/2024 14:11:39	26.92	24.23	21.22	21.39	23.31	14.02	18.93	12.17	15.58	12.08
29/11/2024 14:12:39	27.51	24.37	21.42	21.62	23.60	14.17	19.30	12.30	15.92	12.20
29/11/2024 14:13:38	27.34	24.29	21.34	21.52	23.54	13.94	18.99	12.03	15.58	11.92
29/11/2024 14:14:38	27.39	24.32	21.34	21.54	23.57	13.93	19.06	12.02	15.66	11.91
29/11/2024 14:15:38	27.30	24.54	21.54	21.76	24.00	14.16	19.44	12.24	16.02	12.13
29/11/2024 14:16:37	27.28	24.47	21.34	21.66	23.67	13.91	19.08	11.96	15.63	11.85
29/11/2024 14:17:37	27.34	24.35	21.18	21.55	23.84	13.82	19.17	11.87	15.70	11.75
29/11/2024 14:18:36	27.93	24.47	21.20	21.64	23.87	13.95	19.34	12.01	15.88	11.88
29/11/2024 14:19:36	27.56	24.24	21.05	21.51	23.89	13.90	19.30	11.96	15.85	11.83
29/11/2024 14:20:36	28.03	24.19	21.09	21.52	24.06	13.87	19.36	11.92	15.87	11.78
29/11/2024 14:21:35	25.64	24.33	21.31	21.67	24.38	13.95	19.59	11.99	16.03	11.86
29/11/2024 14:22:35	24.99	24.65	21.64	22.01	24.86	14.22	19.94	12.24	16.32	12.09
29/11/2024 14:23:35	25.84	25.13	22.10	22.47	24.88	14.63	20.19	12.63	16.63	12.48
29/11/2024 14:24:35	25.51	25.09	22.11	22.47	24.88	14.51	19.99	12.48	16.34	12.33
29/11/2024 14:25:35	26.02	25.60	22.62	22.99	25.13	15.00	20.47	12.95	16.85	12.79
29/11/2024 14:26:35	26.26	26.02	23.10	23.44	25.94	15.21	20.88	13.10	17.12	12.94
29/11/2024 14:27:34	26.39	26.06	23.14	23.48	25.82	15.14	20.67	13.00	16.87	12.83
29/11/2024 14:28:33	26.63	26.30	23.48	23.79	24.97	15.19	20.84	12.99	17.11	12.81

29/11/2024 14:29:34	26.94	26.74	23.98	24.26	24.76	15.59	21.20	13.35	17.52	13.16
29/11/2024 14:30:33	27.21	26.89	24.19	24.47	25.11	15.57	21.47	13.28	17.62	13.07
29/11/2024 14:31:32	27.42	27.35	24.67	24.92	25.54	15.83	21.94	13.47	17.97	13.25
29/11/2024 14:32:33	27.92	28.20	25.50	25.77	26.36	16.08	22.26	13.59	18.13	13.38
29/11/2024 14:33:32	28.16	27.60	25.14	25.27	26.17	15.35	21.91	12.84	17.71	12.63
29/11/2024 14:34:31	28.37	28.03	25.30	25.46	25.92	15.81	22.72	13.24	18.69	12.95
29/11/2024 14:35:31	28.79	24.74	23.37	22.19	26.53	14.56	22.89	12.69	18.61	12.51
29/11/2024 14:36:30	29.04	24.91	23.88	22.30	26.59	14.37	21.98	12.44	17.62	12.27
29/11/2024 14:37:30	29.81	25.14	23.84	22.47	27.12	14.46	24.81	12.55	19.85	12.40
29/11/2024 14:38:30	29.90	27.43	25.60	25.22	27.00	14.87	24.42	12.34	19.31	12.19
29/11/2024 14:39:29	30.26	29.19	27.81	28.24	27.09	15.26	25.32	12.07	20.29	11.93
29/11/2024 14:40:30	30.96	30.50	28.22	28.68	27.36	15.48	25.60	12.23	20.47	12.09
29/11/2024 14:41:30	31.01	30.72	28.08	28.58	27.40	15.42	25.38	12.16	20.22	12.01
29/11/2024 14:42:29	31.00	32.40	29.03	29.67	27.49	15.69	25.48	12.22	20.30	12.06
29/11/2024 14:43:29	30.67	32.91	29.49	30.34	27.30	16.10	25.25	12.48	20.28	12.27
29/11/2024 14:44:29	30.70	33.43	29.94	30.90	27.29	16.48	27.50	12.78	22.42	12.56
29/11/2024 14:45:28	29.95	33.76	30.14	31.14	26.82	16.60	28.13	12.84	22.98	12.62
29/11/2024 14:46:27	29.35	34.07	30.44	31.47	26.92	16.88	29.21	13.11	23.88	12.68
29/11/2024 14:47:27	29.65	34.09	30.44	31.43	27.07	16.90	29.62	13.14	24.18	12.91
29/11/2024 14:48:27	29.25	34.07	30.43	31.42	27.06	16.91	30.19	13.15	24.49	12.92
29/11/2024 14:49:26	29.76	33.85	30.30	31.27	27.11	16.73	30.41	12.98	24.80	12.75
29/11/2024 14:50:25	30.26	34.17	30.61	31.53	27.61	17.12	30.67	13.39	25.06	13.16
29/11/2024 14:51:25	30.89	34.57	31.00	31.99	27.72	17.31	30.91	13.51	25.18	13.28
29/11/2024 14:52:25	31.13	34.41	30.87	31.89	27.54	17.13	30.47	13.29	24.73	13.04
29/11/2024 14:53:25	31.12	34.56	31.08	32.13	27.65	17.26	30.60	13.38	24.84	13.12
29/11/2024 14:54:24	31.20	35.03	31.64	32.74	27.90	17.57	30.98	13.62	25.14	13.38
29/11/2024 14:55:24	31.64	35.20	31.90	33.04	28.17	17.57	31.22	13.58	25.35	13.36
29/11/2024 14:56:23	32.00	34.53	31.43	32.27	28.54	17.18	31.57	13.41	25.46	13.26
29/11/2024 14:57:23	32.40	34.55	31.54	32.31	28.64	17.51	31.83	13.77	25.74	13.60
29/11/2024 14:58:23	32.34	33.27	30.44	30.76	28.62	16.37	31.73	12.88	25.50	12.78
29/11/2024 14:59:22	32.60	33.00	30.31	30.57	28.81	16.29	32.01	12.81	25.67	12.69
29/11/2024 15:00:22	33.43	34.24	31.54	32.11	29.35	16.93	32.40	13.13	26.04	12.95
29/11/2024 15:01:21	33.89	35.89	33.01	34.32	29.05	15.84	31.09	11.67	24.70	11.84
29/11/2024 15:02:20	34.38	33.55	31.19	31.43	29.90	16.75	32.51	13.18	26.05	13.05
29/11/2024 15:03:19	34.57	33.69	31.38	31.64	30.11	16.82	32.58	13.20	26.08	13.07
29/11/2024 15:04:18	35.21	34.18	31.94	32.16	30.53	17.23	33.12	13.56	26.59	13.40
29/11/2024 15:05:18	35.24	33.74	31.55	31.79	30.41	16.86	32.89	13.16	26.34	12.98
29/11/2024 15:06:18	35.82	34.16	31.97	32.29	30.86	17.29	33.11	13.56	26.54	13.36
29/11/2024 15:07:17	36.39	34.57	32.43	32.69	31.19	17.53	33.17	13.75	26.52	13.55
29/11/2024 15:08:18	36.47	34.85	32.72	33.01	31.40	17.72	33.31	13.83	26.70	13.57
29/11/2024 15:09:17	36.90	35.11	32.96	33.29	31.74	18.02	33.51	14.15	26.90	13.91
29/11/2024 15:10:16	36.78	35.04	32.92	33.25	31.65	17.88	33.28	13.96	26.56	13.68
29/11/2024 15:11:17	36.86	35.12	33.01	33.36	31.96	17.83	33.40	13.86	26.67	13.57
29/11/2024 15:12:16	37.14	35.23	33.06	33.43	31.63	17.51	33.09	13.35	26.34	13.00

29/11/2024 15:13:15	37.38	35.55	33.47	33.83	32.67	18.30	33.88	14.34	27.16	14.06
29/11/2024 15:14:15	37.34	35.40	33.34	33.68	32.78	18.22	33.97	14.26	27.17	13.97
29/11/2024 15:15:14	37.43	35.88	33.63	33.98	33.25	18.14	34.16	14.00	27.21	13.63
29/11/2024 15:16:13	37.55	35.73	33.75	34.13	33.76	18.47	34.60	14.40	27.41	14.06
29/11/2024 15:17:12	37.92	36.01	34.10	34.50	34.07	20.00	35.31	16.58	28.13	16.51
29/11/2024 15:18:12	38.47	36.76	34.88	35.30	34.92	21.65	36.52	18.60	28.86	18.78
29/11/2024 15:19:11	38.47	36.66	34.77	35.20	34.91	21.30	36.40	18.27	28.64	18.41
29/11/2024 15:20:11	38.58	36.83	34.93	35.39	34.97	21.16	36.97	17.87	29.00	17.85
29/11/2024 15:21:10	38.56	36.68	34.78	35.23	34.96	21.14	36.66	18.00	29.03	18.08
29/11/2024 15:22:10	38.87	36.77	34.88	35.33	35.15	21.20	36.92	18.05	29.08	18.12
29/11/2024 15:23:11	39.01	36.97	35.06	35.50	35.24	21.18	36.97	17.99	29.99	18.07
29/11/2024 15:24:11	39.10	37.05	35.15	35.58	35.54	21.47	37.29	18.39	29.33	18.52
29/11/2024 15:25:10	39.39	37.17	35.28	35.71	35.78	21.30	37.63	17.99	29.61	18.00
29/11/2024 15:26:09	39.34	37.20	35.29	35.74	35.84	21.18	37.68	17.74	29.63	17.68
29/11/2024 15:27:10	39.67	37.42	35.51	35.97	36.06	21.21	37.92	17.63	29.87	17.49
29/11/2024 15:28:09	39.72	37.51	35.57	36.04	35.97	21.17	37.93	17.48	29.91	17.27
29/11/2024 15:29:08	39.84	37.62	35.68	36.14	36.12	21.08	37.87	17.27	29.88	17.00
29/11/2024 15:30:08	40.04	37.76	35.78	36.24	36.19	21.13	37.93	17.27	29.93	16.97
29/11/2024 15:31:08	39.63	37.77	35.79	36.26	36.14	20.87	37.92	16.82	29.94	18.43
29/11/2024 15:32:07	39.81	37.75	35.77	36.25	35.97	20.85	37.85	16.72	29.87	16.26
29/11/2024 15:33:06	40.51	38.27	36.21	36.73	36.41	21.17	38.23	16.89	30.20	16.34
29/11/2024 15:34:06	40.99	38.46	36.34	36.87	36.46	21.25	38.36	16.88	30.41	16.27
29/11/2024 15:35:06	40.82	38.70	36.57	37.11	36.66	21.33	38.52	16.87	30.58	16.22
29/11/2024 15:36:05	40.06	38.74	36.59	37.14	36.48	21.28	38.42	16.74	30.51	18.06
29/11/2024 15:37:05	39.89	38.75	36.59	37.15	36.49	21.22	38.40	16.61	30.52	15.88
29/11/2024 15:38:04	39.78	39.13	36.94	37.52	36.77	21.45	38.61	16.77	30.74	16.01
29/11/2024 15:39:04	39.62	39.25	37.06	37.63	36.87	21.53	38.69	16.82	30.88	16.04
29/11/2024 15:40:04	39.56	39.12	36.90	37.49	36.58	21.31	38.48	16.55	30.69	15.75
29/11/2024 15:41:04	40.08	39.73	37.49	38.09	37.20	21.66	38.90	16.82	31.07	16.00
29/11/2024 15:42:04	40.08	39.96	37.64	38.25	37.08	21.83	38.88	16.99	31.06	16.17
29/11/2024 15:43:03	39.36	39.50	37.25	37.86	36.84	21.48	38.63	16.64	30.63	15.81
29/11/2024 15:44:02	39.73	40.27	37.96	38.58	37.48	22.29	39.34	17.46	31.59	16.63
29/11/2024 15:45:02	39.70	39.75	37.40	38.01	36.84	21.82	38.76	17.02	31.05	16.19
29/11/2024 15:46:01	39.60	40.09	37.74	38.35	37.23	22.24	39.08	17.46	31.36	16.64
29/11/2024 15:47:01	39.59	40.08	37.69	38.31	37.11	21.99	38.86	17.18	31.09	16.36
29/11/2024 15:48:00	39.55	40.35	37.93	38.56	37.34	22.20	39.06	17.37	31.29	16.56
29/11/2024 15:49:00	40.55	40.08	37.71	38.33	37.15	22.15	39.03	17.35	31.34	16.52
29/11/2024 15:49:59	37.45	40.40	37.95	38.59	37.39	22.32	39.19	17.50	31.48	16.68
29/11/2024 15:50:59	38.36	40.44	38.01	38.66	37.50	22.30	39.21	17.45	31.51	16.63
29/11/2024 15:51:58	38.90	40.57	38.12	38.78	37.53	22.47	39.37	17.63	31.67	16.79
29/11/2024 15:52:58	39.50	40.56	38.07	38.74	37.42	22.34	39.24	17.47	31.53	16.63
29/11/2024 15:53:58	38.76	40.66	38.13	38.83	37.46	22.34	39.27	17.44	31.53	16.60
29/11/2024 15:54:58	37.87	40.79	38.21	38.92	37.55	22.40	39.29	17.50	31.58	16.65
29/11/2024 15:55:57	38.60	40.99	38.39	39.11	37.69	22.55	39.47	17.62	31.75	16.77

29/11/2024 15:56:57	38.39	41.23	38.61	39.35	37.84	22.72	39.58	17.77	31.85	16.92
29/11/2024 15:57:57	37.94	41.22	38.58	39.34	37.83	22.60	39.50	17.63	31.73	16.77
29/11/2024 15:58:57	38.75	41.49	38.83	39.60	38.04	22.78	39.67	17.79	31.92	16.93
29/11/2024 15:59:57	38.02	41.45	38.76	39.54	38.02	22.63	39.54	17.62	31.75	16.77
29/11/2024 16:00:56	38.43	41.57	38.84	39.68	37.91	22.70	39.61	17.65	31.85	16.79
29/11/2024 16:01:55	38.58	41.93	39.18	40.04	38.23	22.97	39.79	17.90	32.00	17.03
29/11/2024 16:02:55	38.80	41.99	39.22	40.11	38.21	22.96	39.81	17.86	32.03	16.99
29/11/2024 16:03:54	38.63	42.31	39.57	40.48	38.63	23.28	40.18	18.16	32.37	17.28
29/11/2024 16:04:54	38.24	42.27	39.47	40.39	38.52	23.14	40.07	18.01	32.27	17.14
29/11/2024 16:05:53	38.25	42.36	39.59	40.52	38.56	23.17	40.10	18.02	32.28	17.14
29/11/2024 16:06:54	38.29	42.38	39.62	40.54	38.58	23.24	40.13	18.09	32.34	17.21
29/11/2024 16:07:53	38.09	42.71	39.95	40.88	38.87	23.61	40.54	18.48	32.75	17.59
29/11/2024 16:08:52	37.38	42.87	40.06	41.06	38.91	23.52	40.38	18.31	32.52	17.42
29/11/2024 16:09:52	37.82	43.09	40.19	41.25	38.98	23.64	40.55	18.40	32.69	17.50
29/11/2024 16:10:52	38.10	43.21	40.24	41.39	38.91	23.71	40.59	18.44	32.77	17.54
29/11/2024 16:11:52	37.86	43.31	40.31	41.54	39.05	23.67	40.62	18.35	32.74	17.44
29/11/2024 16:12:51	37.97	43.66	40.62	41.95	39.26	23.88	40.74	18.51	32.87	17.59
29/11/2024 16:13:50	39.02	44.47	41.34	42.77	39.88	24.42	41.36	18.97	33.48	18.05
29/11/2024 16:14:51	37.70	44.49	41.31	42.97	39.23	23.95	40.72	18.31	32.84	17.39
29/11/2024 16:15:50	39.07	45.35	42.17	43.96	39.96	24.45	41.20	18.68	33.23	17.74
29/11/2024 16:16:50	38.50	45.29	42.08	43.89	39.84	24.47	41.05	18.71	33.13	17.76
29/11/2024 16:17:51	39.01	45.54	42.67	44.38	41.34	24.57	41.70	18.74	33.47	17.77
29/11/2024 16:18:50	39.83	45.82	43.02	44.73	41.74	24.71	41.96	18.85	33.67	17.88
29/11/2024 16:19:49	39.63	45.42	42.59	44.31	41.74	24.33	41.74	18.46	33.42	17.47
29/11/2024 16:20:49	39.29	45.90	43.06	44.84	42.15	24.58	42.21	18.65	33.93	17.68
29/11/2024 16:21:49	39.83	46.26	43.42	45.22	42.81	24.74	42.35	18.77	33.99	17.81
29/11/2024 16:22:48	40.13	46.29	43.40	45.23	42.59	24.55	42.07	18.54	33.72	17.58
29/11/2024 16:23:48	39.52	46.04	43.14	44.97	42.35	24.32	42.05	18.31	33.69	17.34
29/11/2024 16:24:47	39.99	46.18	43.27	45.10	42.69	24.45	42.39	18.42	34.00	17.44
29/11/2024 16:25:48	40.19	46.48	43.50	45.35	42.94	24.56	44.51	18.51	35.94	17.54
29/11/2024 16:26:47	40.29	46.36	43.40	45.22	42.96	24.48	44.62	18.44	36.02	17.47
29/11/2024 16:27:47	40.81	46.55	43.57	45.41	43.32	23.67	45.21	17.62	36.45	16.82
29/11/2024 16:28:46	41.01	46.75	43.75	45.59	43.57	22.90	45.40	16.87	36.48	16.24
29/11/2024 16:29:46	40.95	46.82	43.82	45.64	43.81	23.21	45.80	17.19	37.04	16.53
29/11/2024 16:30:46	41.65	47.09	44.08	45.93	44.17	23.36	46.02	17.24	37.25	16.52
29/11/2024 16:31:45	41.63	47.05	44.04	45.88	44.27	23.37	45.98	17.25	37.42	16.52
29/11/2024 16:32:44	41.58	47.18	44.12	45.96	44.18	23.53	45.85	17.39	37.19	16.64
29/11/2024 16:33:43	42.19	47.17	44.08	45.90	44.24	23.50	45.68	17.37	37.14	16.62
29/11/2024 16:34:44	42.28	47.31	44.18	45.99	44.33	23.69	45.78	17.57	37.28	16.81
29/11/2024 16:35:43	42.43	47.33	44.18	45.99	44.44	23.79	45.78	17.64	37.32	16.84
29/11/2024 16:36:42	42.38	47.52	44.35	46.17	44.51	23.96	45.91	17.80	37.46	16.99
29/11/2024 16:37:42	42.81	47.73	44.51	46.34	44.67	24.23	46.05	18.05	37.66	17.21
29/11/2024 16:38:42	43.67	47.86	44.62	46.45	44.84	24.38	46.12	18.18	37.76	17.33
29/11/2024 16:39:42	44.01	47.98	44.69	46.53	44.87	24.44	46.04	18.22	37.69	17.35

29/11/2024 16:40:41	44.73	48.19	44.89	46.74	45.13	24.73	46.17	18.49	37.89	17.60
29/11/2024 16:41:40	45.22	48.18	44.85	46.70	45.13	24.80	46.11	18.56	37.88	17.65
29/11/2024 16:42:41	46.03	48.21	44.88	46.72	45.16	24.88	45.98	18.66	37.74	17.75
29/11/2024 16:43:40	46.19	48.20	44.82	46.69	45.14	24.75	45.73	18.46	37.54	17.52
29/11/2024 16:44:39	46.47	48.39	45.02	46.90	45.39	25.02	45.86	18.70	37.75	17.72
29/11/2024 16:45:40	47.20	49.01	45.56	47.48	45.91	25.66	46.30	19.29	38.24	18.26
29/11/2024 16:46:39	47.30	49.30	45.81	47.75	46.27	25.84	46.33	19.42	38.31	18.37
29/11/2024 16:47:38	47.18	49.13	45.59	47.54	46.01	25.52	45.92	19.06	37.87	17.99
29/11/2024 16:48:38	47.73	49.66	46.15	48.10	46.76	26.17	46.50	19.69	38.48	18.61
29/11/2024 16:49:38	47.72	49.89	46.33	48.32	46.94	26.13	46.41	19.56	38.32	18.45
29/11/2024 16:50:38	47.92	49.91	46.31	48.32	47.30	26.10	46.49	19.50	38.42	18.37
29/11/2024 16:51:38	48.51	50.49	46.96	48.97	48.09	26.81	47.16	20.21	39.04	19.06
29/11/2024 16:52:38	48.58	50.60	47.02	49.06	48.11	26.80	47.17	20.15	39.03	18.98
29/11/2024 16:53:39	48.75	51.15	47.66	49.73	48.93	27.20	47.74	20.46	39.54	19.27
29/11/2024 16:54:38	48.79	51.27	47.90	49.99	49.55	27.15	47.94	20.31	39.57	19.08
29/11/2024 16:55:38	49.15	51.72	48.55	50.61	50.61	27.42	48.43	20.51	39.93	19.27
29/11/2024 16:56:39	49.23	52.31	49.18	51.31	51.24	27.80	49.43	20.76	40.93	19.47
29/11/2024 16:57:38	49.42	52.82	49.62	51.87	51.42	28.01	51.40	20.84	42.81	19.52
29/11/2024 16:58:37	49.56	53.40	50.16	52.45	51.69	28.48	52.00	21.18	43.50	19.78
29/11/2024 16:59:37	49.71	53.61	50.25	52.71	51.71	28.69	52.20	21.25	43.86	19.76
29/11/2024 17:00:36	49.83	54.13	50.49	53.32	51.95	29.54	52.39	21.98	44.06	20.36
29/11/2024 17:01:36	49.88	54.40	50.50	53.72	52.13	30.15	52.63	22.46	44.50	20.71
29/11/2024 17:02:36	50.06	54.81	50.79	54.13	52.26	30.41	52.68	22.59	44.58	20.78
29/11/2024 17:03:35	50.11	54.99	50.91	54.35	52.35	30.68	52.68	22.69	44.68	20.84
29/11/2024 17:04:35	49.60	55.38	51.20	54.70	52.52	30.77	52.69	22.82	44.68	20.93
29/11/2024 17:05:34	50.07	55.69	51.48	54.98	52.71	30.95	52.63	22.92	44.67	21.00
29/11/2024 17:06:34	48.60	55.89	51.64	55.16	52.69	31.02	52.43	22.92	44.54	20.97
29/11/2024 17:07:34	49.75	56.45	52.12	55.68	53.07	31.46	52.75	23.31	44.86	21.35
29/11/2024 17:08:33	49.57	56.75	52.45	56.02	53.32	31.73	52.98	23.54	45.08	21.55
29/11/2024 17:09:33	49.69	56.93	52.75	56.35	53.50	31.98	53.16	23.74	45.29	21.73
29/11/2024 17:10:33	50.68	57.17	52.82	56.44	53.50	32.05	53.07	23.78	45.23	21.76
29/11/2024 17:11:34	48.66	56.55	52.94	56.57	53.63	32.04	53.00	23.73	45.15	21.70
29/11/2024 17:12:33	48.09	56.92	53.34	57.05	53.68	32.26	52.95	23.86	45.11	21.81
29/11/2024 17:13:32	49.08	55.97	52.32	55.53	54.06	32.06	52.96	24.02	45.15	21.98
29/11/2024 17:14:32	49.14	55.15	51.40	54.26	53.95	31.71	52.58	23.93	44.92	21.90
29/11/2024 17:15:31	48.78	55.24	51.27	54.16	54.00	31.59	52.07	23.81	44.44	21.82
29/11/2024 17:16:30	49.70	55.35	51.05	54.04	54.99	31.38	51.64	23.59	43.94	21.62
29/11/2024 17:17:31	50.48	55.66	51.26	54.26	55.88	31.01	51.54	23.33	43.60	21.54
29/11/2024 17:18:31	52.34	55.48	51.05	54.05	55.36	30.57	50.83	22.82	42.74	21.03
29/11/2024 17:19:30	53.44	55.72	51.28	54.26	55.57	30.88	50.81	23.06	42.72	21.20
29/11/2024 17:20:30	54.41	56.19	51.68	54.66	55.98	31.05	50.94	23.16	42.79	21.30
29/11/2024 17:21:29	55.04	56.55	51.98	54.93	56.35	31.37	51.06	23.45	42.94	21.55
29/11/2024 17:22:28	55.56	57.18	52.55	55.48	56.69	31.84	51.57	23.88	43.47	21.97
29/11/2024 17:23:27	55.38	57.41	52.76	55.78	56.55	31.67	51.42	23.59	43.29	21.67

29/11/2024 17:24:27	55.56	57.89	53.19	56.31	56.56	31.70	51.41	23.49	43.24	21.57
29/11/2024 17:25:27	55.46	58.02	53.32	56.43	56.63	31.67	51.47	23.42	43.31	21.49
29/11/2024 17:26:27	56.51	58.65	53.91	57.04	58.98	32.07	51.91	23.76	43.70	21.81
29/11/2024 17:27:27	57.20	59.05	54.28	57.43	57.52	32.42	52.25	24.07	44.06	22.10
29/11/2024 17:28:26	57.40	59.08	54.27	57.43	57.19	32.28	52.00	23.88	43.78	21.93
29/11/2024 17:29:25	57.71	59.37	54.51	57.70	56.18	32.45	51.94	24.03	43.90	22.05
29/11/2024 17:30:26	58.13	59.78	54.77	58.06	54.44	32.60	51.65	24.08	43.79	22.08
29/11/2024 17:31:25	58.68	60.82	55.71	59.07	55.36	33.56	52.23	24.97	44.42	22.96
29/11/2024 17:32:24	58.99	61.39	55.98	59.52	54.32	33.83	52.03	25.15	44.47	23.09
29/11/2024 17:33:24	58.68	61.83	56.15	59.90	53.54	33.88	51.65	25.05	44.29	22.97
29/11/2024 17:34:24	58.52	63.86	57.45	61.70	53.11	34.94	51.18	25.76	44.07	23.59
29/11/2024 17:35:24	58.25	65.27	58.30	63.04	53.21	35.99	51.06	26.43	44.16	24.03
29/11/2024 17:36:24	57.57	66.18	58.97	64.02	53.61	37.05	51.24	27.19	44.56	24.56
29/11/2024 17:37:23	57.62	66.98	59.69	64.91	53.45	37.77	51.57	27.70	44.93	24.96
29/11/2024 17:38:22	57.62	67.64	60.30	65.59	53.22	38.07	51.66	27.86	44.99	25.07
29/11/2024 17:39:21	57.81	68.20	60.79	66.11	53.41	38.35	51.80	28.06	45.05	25.26
29/11/2024 17:40:21	57.43	68.65	61.26	66.72	54.27	38.60	52.37	28.20	45.58	25.38
29/11/2024 17:41:20	56.97	69.50	62.10	67.66	54.83	39.02	52.74	28.47	45.81	25.62
29/11/2024 17:42:20	57.56	71.22	63.81	69.49	55.64	40.01	53.17	29.17	46.12	26.24
29/11/2024 17:43:19	57.76	72.35	65.15	71.03	56.78	39.84	52.83	28.67	45.30	25.75
29/11/2024 17:44:20	57.88	73.45	65.49	72.23	56.85	41.83	52.32	30.27	45.10	26.93
29/11/2024 17:45:19	58.82	74.84	66.67	73.57	57.72	42.97	53.27	31.02	46.04	27.41
29/11/2024 17:46:18	58.79	75.61	67.35	74.33	58.20	43.38	53.71	31.26	46.41	27.59
29/11/2024 17:47:18	57.89	76.93	68.59	75.72	58.91	44.13	54.44	31.76	46.96	28.00
29/11/2024 17:48:18	57.85	79.45	71.38	78.56	60.47	45.95	52.30	33.16	44.96	29.24
29/11/2024 17:49:18	58.99	81.81	72.99	81.35	62.24	47.88	54.74	34.21	47.17	29.78
29/11/2024 17:50:18	57.10	84.59	75.41	83.98	63.97	49.82	56.50	35.73	48.62	31.09
29/11/2024 17:51:18	58.25	83.83	73.26	81.52	62.82	48.69	55.45	35.03	47.85	30.47
29/11/2024 17:52:17	60.37	85.59	74.19	82.49	63.04	49.32	55.62	35.57	48.08	31.02

ZONA 5: 29/11/2024

Time	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7
X [m]	763405.25	763406.54	763404.04	763402.79	763404.04	763402.79	763404.04
Y [m]	9252202.18	9252202.18	9252203.43	9252204.68	9252204.68	9252205.93	9252205.93
Z [m]	3577.79	3580.06	3574.99	3573.34	3574.37	3572.82	3573.90
29/11/2024 00:00:27	5.38	4.90	5.38	4.78	5.22	4.84	10.26
29/11/2024 00:01:26	5.33	4.86	5.33	4.72	5.21	4.78	10.12
29/11/2024 00:02:26	5.32	4.82	5.32	4.71	5.19	4.77	10.20
29/11/2024 00:03:25	5.25	4.75	5.25	4.65	5.11	4.70	10.07
29/11/2024 00:04:25	5.30	4.81	5.30	4.69	5.17	4.75	10.32
29/11/2024 00:05:24	5.38	4.91	5.38	4.78	5.26	4.84	10.29
29/11/2024 00:06:24	5.49	4.97	5.49	4.84	5.38	4.90	10.44
29/11/2024 00:07:23	5.30	4.84	5.30	4.73	5.22	4.78	10.08
29/11/2024 00:08:23	5.40	4.91	5.40	4.79	5.24	4.85	10.25
29/11/2024 00:09:22	5.30	4.81	5.30	4.71	5.20	4.76	10.19
29/11/2024 00:10:22	5.42	4.94	5.42	4.83	5.28	4.88	10.28
29/11/2024 00:11:22	5.51	5.00	5.51	4.90	5.40	4.96	10.26
29/11/2024 00:12:21	5.61	5.08	5.61	4.98	5.51	5.04	10.53
29/11/2024 00:13:21	5.83	5.27	5.83	5.14	5.74	5.20	10.71
29/11/2024 00:14:20	5.60	5.10	5.60	5.01	5.47	5.06	10.39
29/11/2024 00:15:20	5.44	4.95	5.44	4.85	5.32	4.90	10.20
29/11/2024 00:16:20	5.38	4.87	5.38	4.75	5.19	4.81	10.13
29/11/2024 00:17:19	5.44	4.95	5.44	4.81	5.33	4.86	10.26
29/11/2024 00:18:19	5.46	4.92	5.46	4.77	5.30	4.83	10.39
29/11/2024 00:19:18	5.45	4.93	5.45	4.78	5.35	4.83	10.27
29/11/2024 00:20:18	5.45	4.96	5.45	4.79	5.31	4.84	10.32
29/11/2024 00:21:17	5.42	4.95	5.42	4.79	5.29	4.84	10.18
29/11/2024 00:22:16	5.62	5.10	5.62	4.92	5.50	4.98	10.52
29/11/2024 00:23:17	5.52	5.03	5.52	4.87	5.38	4.92	10.35
29/11/2024 00:24:16	5.52	5.00	5.52	4.82	5.38	4.87	10.45
29/11/2024 00:25:15	5.29	4.82	5.29	4.65	5.16	4.70	10.10
29/11/2024 00:26:15	5.41	4.92	5.41	4.72	5.27	4.78	10.28
29/11/2024 00:27:15	5.47	4.99	5.47	4.80	5.32	4.85	10.37
29/11/2024 00:28:14	5.44	4.95	5.44	4.79	5.30	4.85	10.32
29/11/2024 00:29:14	5.37	4.89	5.37	4.74	5.22	4.79	10.26
29/11/2024 00:30:14	5.34	4.89	5.34	4.72	5.20	4.78	10.21
29/11/2024 00:31:13	5.58	5.08	5.58	4.93	5.39	4.99	10.41
29/11/2024 00:32:13	5.60	5.12	5.60	4.97	5.42	5.03	10.42
29/11/2024 00:33:12	5.48	4.98	5.48	4.83	5.32	4.89	10.36
29/11/2024 00:34:12	5.38	4.91	5.38	4.78	5.20	4.83	10.36
29/11/2024 00:35:11	5.33	4.87	5.33	4.73	5.16	4.78	10.21
29/11/2024 00:36:11	5.45	4.95	5.45	4.82	5.26	4.87	10.46
29/11/2024 00:37:10	5.40	4.92	5.40	4.81	5.21	4.87	10.27
29/11/2024 00:38:11	5.34	4.89	5.34	4.76	5.16	4.82	10.21

29/11/2024 00:39:10	5.36	4.90	5.36	4.76	5.17	4.81	10.22
29/11/2024 00:40:09	5.39	4.95	5.39	4.79	5.25	4.84	10.30
29/11/2024 00:41:10	5.35	4.90	5.35	4.75	5.19	4.81	10.20
29/11/2024 00:42:09	5.44	4.99	5.44	4.82	5.27	4.87	10.33
29/11/2024 00:43:09	5.38	4.91	5.38	4.75	5.17	4.81	10.20
29/11/2024 00:44:09	5.54	5.09	5.54	4.88	5.40	4.93	10.55
29/11/2024 00:45:08	5.32	4.88	5.32	4.75	5.14	4.80	10.18
29/11/2024 00:46:08	5.40	4.92	5.40	4.79	5.17	4.85	10.31
29/11/2024 00:47:08	5.36	4.90	5.36	4.76	5.17	4.82	10.25
29/11/2024 00:48:07	5.42	4.95	5.42	4.83	5.23	4.88	10.28
29/11/2024 00:49:06	5.40	4.94	5.40	4.80	5.18	4.88	10.24
29/11/2024 00:50:06	5.45	4.99	5.45	4.83	5.29	4.89	10.38
29/11/2024 00:51:06	5.29	4.86	5.29	4.71	5.11	4.76	10.19
29/11/2024 00:52:06	5.36	4.89	5.36	4.76	5.12	4.81	10.41
29/11/2024 00:53:05	5.32	4.87	5.32	4.73	5.13	4.79	10.25
29/11/2024 00:54:05	5.26	4.82	5.26	4.72	5.07	4.77	10.11
29/11/2024 00:55:04	5.32	4.89	5.32	4.74	5.17	4.80	10.09
29/11/2024 00:56:03	5.26	4.81	5.26	4.70	5.10	4.75	10.17
29/11/2024 00:57:04	5.24	4.81	5.24	4.68	5.08	4.74	10.06
29/11/2024 00:58:03	5.37	4.98	5.37	4.80	5.20	4.88	10.24
29/11/2024 00:59:02	5.33	4.94	5.33	4.75	5.22	4.80	10.22
29/11/2024 01:00:02	5.29	4.82	5.29	4.69	5.12	4.74	10.04
29/11/2024 01:01:01	5.28	4.83	5.28	4.69	5.03	4.75	9.98
29/11/2024 01:02:01	5.32	4.87	5.32	4.65	5.05	4.71	10.13
29/11/2024 01:03:00	5.40	4.92	5.40	4.75	5.13	4.80	10.26
29/11/2024 01:04:00	5.54	5.12	5.54	4.88	5.29	4.94	10.39
29/11/2024 01:04:59	5.46	5.06	5.46	4.83	5.22	4.89	10.35
29/11/2024 01:05:59	5.54	5.13	5.54	4.90	5.30	4.96	10.48
29/11/2024 01:06:58	5.55	5.14	5.55	4.89	5.31	4.95	10.51
29/11/2024 01:07:57	5.57	5.16	5.57	4.87	5.34	4.93	10.51
29/11/2024 01:08:57	5.43	5.02	5.43	4.75	5.24	4.81	10.39
29/11/2024 01:09:56	5.51	5.12	5.51	4.84	5.31	4.89	10.42
29/11/2024 01:10:56	5.49	5.05	5.49	4.84	5.27	4.90	10.31
29/11/2024 01:11:56	5.54	5.16	5.54	4.90	5.31	4.96	10.48
29/11/2024 01:12:55	5.68	5.18	5.68	4.96	5.42	5.01	10.53
29/11/2024 01:13:55	5.69	5.24	5.69	5.01	5.40	5.07	10.62
29/11/2024 01:14:54	5.60	5.12	5.60	4.89	5.33	4.96	10.45
29/11/2024 01:15:56	5.65	5.18	5.65	4.93	5.40	4.99	10.56
29/11/2024 01:16:54	5.43	5.00	5.43	4.78	5.25	4.84	10.41
29/11/2024 01:17:54	5.71	5.29	5.71	4.93	5.48	5.00	10.64
29/11/2024 01:18:53	6.19	5.51	6.19	5.22	5.75	5.28	11.13
29/11/2024 01:19:53	6.14	5.49	6.14	5.20	5.83	5.26	11.06
29/11/2024 01:20:52	6.13	5.46	6.13	5.13	5.94	5.20	11.20
29/11/2024 01:21:52	5.92	5.31	5.92	5.00	5.63	5.08	10.95

29/11/2024 01:22:52	6.07	5.38	6.07	5.10	5.75	5.16	11.04
29/11/2024 01:23:51	6.13	5.45	6.13	5.18	5.84	5.25	11.16
29/11/2024 01:24:51	5.93	5.29	5.93	4.98	5.62	5.05	10.96
29/11/2024 01:25:51	6.04	5.35	6.04	5.06	5.69	5.13	11.08
29/11/2024 01:26:50	5.91	5.26	5.91	4.96	5.49	5.03	10.92
29/11/2024 01:27:49	5.89	5.27	5.89	4.99	5.50	5.06	10.98
29/11/2024 01:28:50	6.01	5.38	6.01	5.09	5.57	5.16	11.07
29/11/2024 01:29:49	5.89	5.26	5.89	4.99	5.50	5.06	10.91
29/11/2024 01:30:49	5.91	5.31	5.91	5.03	5.56	5.10	10.99
29/11/2024 01:31:48	5.81	5.20	5.81	4.93	5.48	5.00	10.92
29/11/2024 01:32:48	5.79	5.19	5.79	4.96	5.37	5.03	11.04
29/11/2024 01:33:47	5.85	5.22	5.85	4.95	5.50	5.01	10.91
29/11/2024 01:34:47	5.78	5.18	5.78	4.91	5.51	4.98	10.89
29/11/2024 01:35:46	5.95	5.38	5.95	5.11	5.63	5.18	11.09
29/11/2024 01:36:46	5.85	5.24	5.85	4.96	5.55	5.03	11.01
29/11/2024 01:37:46	5.78	5.16	5.78	4.93	5.50	5.00	11.12
29/11/2024 01:38:45	5.89	5.28	5.89	5.00	5.65	5.07	11.25
29/11/2024 01:39:44	5.78	5.10	5.78	4.90	5.70	4.97	11.04
29/11/2024 01:40:44	5.95	5.37	5.95	5.01	5.82	5.08	11.13
29/11/2024 01:41:43	5.86	5.34	5.86	5.00	5.78	5.07	10.94
29/11/2024 01:42:43	5.83	5.27	5.83	4.99	5.70	5.06	11.02
29/11/2024 01:43:42	6.01	5.33	6.01	5.05	5.84	5.12	11.13
29/11/2024 01:44:42	5.80	5.22	5.80	4.93	5.60	4.99	11.01
29/11/2024 01:45:42	5.84	5.27	5.84	4.95	5.69	5.01	11.03
29/11/2024 01:46:41	5.77	5.21	5.77	4.91	5.59	4.98	10.99
29/11/2024 01:47:41	5.83	5.23	5.83	4.93	5.66	4.99	10.99
29/11/2024 01:48:40	5.82	5.19	5.82	4.92	5.63	4.99	11.14
29/11/2024 01:49:40	5.92	5.32	5.92	5.01	5.76	5.08	11.24
29/11/2024 01:50:39	5.88	5.37	5.88	5.03	5.68	5.10	11.16
29/11/2024 01:51:39	5.84	5.27	5.84	4.96	5.67	5.03	10.69
29/11/2024 01:52:39	5.87	5.28	5.87	4.98	5.70	5.05	10.92
29/11/2024 01:53:38	5.88	5.23	5.88	4.98	5.68	5.04	10.90
29/11/2024 01:54:38	5.85	5.20	5.85	4.90	5.68	4.97	10.90
29/11/2024 01:55:38	5.94	5.29	5.94	5.00	5.75	5.07	10.92
29/11/2024 01:56:37	5.85	5.23	5.85	4.91	5.67	4.98	10.77
29/11/2024 01:57:36	5.92	5.31	5.92	4.97	5.78	5.04	10.89
29/11/2024 01:58:36	6.00	5.37	6.00	5.00	5.78	5.07	11.06
29/11/2024 01:59:35	6.10	5.42	6.10	5.10	5.99	5.16	11.17
29/11/2024 02:00:35	6.04	5.40	6.04	5.04	5.84	5.11	11.07
29/11/2024 02:01:34	6.09	5.47	6.09	5.13	5.95	5.20	11.20
29/11/2024 02:02:33	6.12	5.48	6.12	5.12	5.85	5.19	11.21
29/11/2024 02:03:33	6.05	5.43	6.05	5.08	5.88	5.15	11.23
29/11/2024 02:04:32	6.01	5.41	6.01	5.05	5.79	5.12	11.21
29/11/2024 02:05:32	6.11	5.47	6.11	5.12	5.91	5.19	11.29

29/11/2024 02:08:32	6.18	5.54	6.18	5.12	5.69	5.19	11.34
29/11/2024 02:07:31	6.05	5.46	6.05	5.07	5.87	5.14	11.21
29/11/2024 02:08:31	6.00	5.47	6.00	5.00	5.78	5.10	11.30
29/11/2024 02:09:30	5.68	5.17	5.68	4.74	5.27	4.81	10.96
29/11/2024 02:10:30	5.84	5.27	5.84	4.79	5.49	4.86	11.00
29/11/2024 02:11:30	5.72	5.16	5.72	4.71	5.23	4.78	10.83
29/11/2024 02:12:29	5.74	5.21	5.74	4.64	5.22	4.91	10.92
29/11/2024 02:13:29	6.10	5.48	6.10	5.02	5.27	5.09	11.00
29/11/2024 02:14:28	6.13	5.52	6.13	5.07	5.32	5.14	11.09
29/11/2024 02:15:27	5.99	5.40	5.99	4.98	5.25	5.05	10.99
29/11/2024 02:16:27	6.18	5.58	6.18	5.13	5.46	5.20	11.16
29/11/2024 02:17:27	6.02	5.39	6.02	4.96	5.26	5.02	10.95
29/11/2024 02:18:27	6.08	5.43	6.08	4.98	5.37	5.05	11.02
29/11/2024 02:19:26	5.86	5.23	5.86	4.80	5.22	4.87	10.81
29/11/2024 02:20:25	5.83	5.24	5.83	4.83	5.43	4.90	10.91
29/11/2024 02:21:25	5.97	5.35	5.97	4.92	5.46	4.99	10.98
29/11/2024 02:22:24	6.26	5.56	6.26	5.16	5.50	5.23	11.18
29/11/2024 02:23:25	6.01	5.30	6.01	4.95	5.30	5.02	10.87
29/11/2024 02:24:24	5.94	5.23	5.94	4.66	5.23	4.93	10.79
29/11/2024 02:25:23	5.86	5.16	5.86	4.77	5.02	4.84	10.68
29/11/2024 02:26:24	5.81	5.15	5.81	4.75	5.01	4.82	10.56
29/11/2024 02:27:23	5.84	5.14	5.84	4.79	4.91	4.86	10.66
29/11/2024 02:28:23	6.89	6.16	6.89	5.78	5.67	5.85	11.41
29/11/2024 02:29:23	6.55	5.90	6.55	5.54	5.83	5.61	11.21
29/11/2024 02:30:22	6.31	5.59	6.31	5.26	5.47	5.34	11.37
29/11/2024 02:31:22	6.15	5.45	6.15	5.03	5.25	5.10	10.70
29/11/2024 02:32:22	6.31	5.62	6.31	5.14	5.32	5.21	10.87
29/11/2024 02:33:22	6.30	5.60	6.30	5.13	5.35	5.21	10.99
29/11/2024 02:34:21	6.40	5.69	6.40	5.19	5.39	5.26	10.88
29/11/2024 02:35:20	6.46	5.75	6.46	5.26	5.47	5.34	10.99
29/11/2024 02:36:20	6.21	5.52	6.21	5.09	5.47	5.17	10.73
29/11/2024 02:37:19	6.35	5.68	6.35	5.24	5.54	5.31	10.93
29/11/2024 02:38:20	6.19	5.51	6.19	5.10	5.28	5.17	10.67
29/11/2024 02:39:19	6.43	5.74	6.43	5.38	5.63	5.44	11.02
29/11/2024 02:40:18	6.50	5.81	6.50	5.39	5.77	5.46	11.11
29/11/2024 02:41:18	6.50	5.77	6.50	5.41	5.62	5.48	11.07
29/11/2024 02:42:17	6.44	5.77	6.44	5.31	5.69	5.38	11.11
29/11/2024 02:43:17	6.48	5.78	6.48	5.39	5.44	5.46	10.91
29/11/2024 02:44:16	6.46	5.75	6.46	5.36	5.48	5.42	11.00
29/11/2024 02:45:16	6.50	5.79	6.50	5.43	5.53	5.50	11.04
29/11/2024 02:46:15	6.49	5.83	6.49	5.43	5.60	5.50	11.09
29/11/2024 02:47:16	6.35	5.70	6.35	5.31	5.52	5.37	10.96
29/11/2024 02:48:15	6.42	5.76	6.42	5.37	5.61	5.44	11.05
29/11/2024 02:49:14	6.58	5.89	6.58	5.49	5.57	5.56	10.98

29/11/2024 02:50:14	6.72	6.01	6.72	5.59	5.66	5.66	11.25
29/11/2024 02:51:13	6.74	6.02	6.74	5.59	5.72	5.66	11.31
29/11/2024 02:52:13	6.77	6.06	6.77	5.58	5.78	5.65	11.44
29/11/2024 02:53:13	6.61	5.91	6.61	5.46	5.66	5.53	11.26
29/11/2024 02:54:13	6.65	5.95	6.65	5.50	5.59	5.58	11.21
29/11/2024 02:55:13	6.66	5.97	6.66	5.53	5.72	5.60	11.34
29/11/2024 02:56:13	6.83	6.14	6.83	5.68	5.79	5.75	11.41
29/11/2024 02:57:12	6.76	6.05	6.76	5.65	5.87	5.72	11.44
29/11/2024 02:58:12	6.74	6.03	6.74	5.61	5.76	5.68	11.40
29/11/2024 02:59:11	6.73	6.04	6.73	5.61	5.73	5.68	11.34
29/11/2024 03:00:11	6.82	6.10	6.82	5.67	5.75	5.74	11.38
29/11/2024 03:01:10	6.65	5.93	6.65	5.54	5.51	5.61	11.13
29/11/2024 03:02:10	6.76	6.01	6.76	5.60	5.54	5.67	11.18
29/11/2024 03:03:09	6.85	6.08	6.85	5.71	5.57	5.78	11.13
29/11/2024 03:04:08	6.79	6.04	6.79	5.68	5.34	5.74	10.98
29/11/2024 03:05:08	6.87	6.08	6.87	5.70	5.48	5.76	11.07
29/11/2024 03:06:07	6.82	6.02	6.82	5.65	5.38	5.72	10.97
29/11/2024 03:07:07	6.84	6.04	6.84	5.67	5.36	5.74	10.98
29/11/2024 03:08:07	6.80	5.99	6.80	5.62	5.41	5.69	10.97
29/11/2024 03:09:07	6.84	6.04	6.84	5.66	5.40	5.73	10.99
29/11/2024 03:10:06	6.82	6.02	6.82	5.63	5.38	5.69	10.98
29/11/2024 03:11:06	6.85	6.03	6.85	5.67	5.38	5.74	10.95
29/11/2024 03:12:05	6.73	5.91	6.73	5.54	5.36	5.61	10.89
29/11/2024 03:13:05	6.78	5.95	6.78	5.61	5.36	5.68	10.89
29/11/2024 03:14:04	6.80	5.97	6.80	5.62	5.43	5.68	10.93
29/11/2024 03:15:03	6.89	6.08	6.89	5.71	5.47	5.78	10.99
29/11/2024 03:16:03	6.92	6.09	6.92	5.72	5.48	5.78	11.00
29/11/2024 03:17:02	6.91	6.08	6.91	5.73	5.47	5.80	11.01
29/11/2024 03:18:02	6.92	6.09	6.92	5.75	5.51	5.82	11.01
29/11/2024 03:19:01	7.03	6.17	7.03	5.83	5.57	5.90	11.11
29/11/2024 03:20:01	7.05	6.20	7.05	5.83	5.63	5.90	11.18
29/11/2024 03:21:00	6.98	6.12	6.98	5.77	5.60	5.84	11.13
29/11/2024 03:22:00	6.94	6.11	6.94	5.74	5.58	5.81	11.11
29/11/2024 03:22:59	7.01	6.16	7.01	5.82	5.58	5.89	11.15
29/11/2024 03:23:58	7.00	6.14	7.00	5.79	5.59	5.86	11.15
29/11/2024 03:24:59	7.01	6.15	7.01	5.81	5.64	5.88	11.16
29/11/2024 03:25:59	6.98	6.10	6.98	5.78	5.58	5.85	11.13
29/11/2024 03:26:58	6.99	6.14	6.99	5.80	5.61	5.86	11.14
29/11/2024 03:27:58	6.98	6.08	6.98	5.75	5.59	5.82	11.14
29/11/2024 03:28:57	6.96	6.11	6.96	5.77	5.58	5.84	11.11
29/11/2024 03:29:56	6.82	5.95	6.82	5.63	5.44	5.69	10.96
29/11/2024 03:30:56	6.85	5.96	6.85	5.67	5.41	5.73	10.97
29/11/2024 03:31:57	6.95	6.05	6.95	5.73	5.54	5.80	11.07
29/11/2024 03:32:56	6.98	6.07	6.98	5.78	5.54	5.85	11.09

29/11/2024 03:33:55	7.01	6.12	7.01	5.79	5.59	5.86	11.14
29/11/2024 03:34:55	6.96	6.09	6.96	5.77	5.51	5.84	11.10
29/11/2024 03:35:55	7.02	6.11	7.02	5.77	5.60	5.84	11.13
29/11/2024 03:36:54	6.92	6.01	6.92	5.71	5.49	5.78	11.01
29/11/2024 03:37:53	6.93	6.02	6.93	5.71	5.51	5.78	11.01
29/11/2024 03:38:54	6.90	6.03	6.90	5.71	5.48	5.78	10.99
29/11/2024 03:39:53	6.92	6.01	6.92	5.71	5.49	5.77	10.98
29/11/2024 03:40:53	6.94	6.04	6.94	5.75	5.47	5.81	10.96
29/11/2024 03:41:52	6.95	6.05	6.95	5.75	5.50	5.81	10.99
29/11/2024 03:42:52	6.91	6.02	6.91	5.73	5.48	5.80	10.95
29/11/2024 03:43:51	6.82	5.96	6.82	5.64	5.41	5.71	10.89
29/11/2024 03:44:51	6.88	5.99	6.88	5.70	5.43	5.77	10.92
29/11/2024 03:45:50	6.96	6.07	6.96	5.75	5.51	5.81	10.99
29/11/2024 03:46:50	6.89	5.95	6.89	5.72	5.40	5.79	10.89
29/11/2024 03:47:49	6.95	6.04	6.95	5.75	5.51	5.82	11.00
29/11/2024 03:48:48	6.94	6.05	6.94	5.76	5.48	5.82	10.99
29/11/2024 03:49:48	6.94	6.03	6.94	5.76	5.41	5.83	10.92
29/11/2024 03:50:47	6.98	6.08	6.98	5.78	5.48	5.85	10.99
29/11/2024 03:51:47	6.98	6.07	6.98	5.77	5.48	5.84	10.98
29/11/2024 03:52:47	6.95	6.04	6.95	5.75	5.44	5.81	10.95
29/11/2024 03:53:46	6.97	6.04	6.97	5.75	5.45	5.81	10.96
29/11/2024 03:54:46	6.93	6.02	6.93	5.73	5.45	5.80	10.95
29/11/2024 03:55:45	6.93	6.00	6.93	5.71	5.43	5.78	10.95
29/11/2024 03:56:45	6.91	5.97	6.91	5.70	5.38	5.77	10.90
29/11/2024 03:57:44	6.94	6.02	6.94	5.72	5.47	5.78	10.99
29/11/2024 03:58:43	6.87	5.96	6.87	5.68	5.39	5.75	10.90
29/11/2024 03:59:43	6.97	6.04	6.97	5.75	5.49	5.82	10.97
29/11/2024 04:00:42	6.91	5.96	6.91	5.73	5.36	5.80	10.91
29/11/2024 04:01:42	6.92	6.02	6.92	5.72	5.43	5.79	10.92
29/11/2024 04:02:41	6.94	6.00	6.94	5.77	5.42	5.84	10.94
29/11/2024 04:03:41	6.98	6.03	6.98	5.80	5.43	5.86	10.94
29/11/2024 04:04:40	6.98	6.04	6.98	5.79	5.44	5.85	10.94
29/11/2024 04:05:40	6.95	5.95	6.95	5.77	5.38	5.83	10.91
29/11/2024 04:06:40	7.00	6.09	7.00	5.80	5.52	5.86	10.98
29/11/2024 04:07:39	6.94	6.04	6.94	5.75	5.43	5.82	10.90
29/11/2024 04:08:39	7.01	6.09	7.01	5.81	5.50	5.88	11.07
29/11/2024 04:09:38	7.03	6.09	7.03	5.82	5.50	5.89	11.04
29/11/2024 04:10:37	7.01	6.08	7.01	5.80	5.52	5.86	11.07
29/11/2024 04:11:38	7.01	6.07	7.01	5.78	5.51	5.85	11.03
29/11/2024 04:12:37	6.97	6.05	6.97	5.77	5.46	5.84	10.97
29/11/2024 04:13:37	7.04	6.08	7.04	5.79	5.52	5.86	11.08
29/11/2024 04:14:38	6.99	6.07	6.99	5.77	5.50	5.83	11.02
29/11/2024 04:15:37	6.95	6.03	6.95	5.73	5.43	5.80	10.93
29/11/2024 04:16:36	6.95	5.99	6.95	5.76	5.42	5.83	10.93

29/11/2024 04:17:36	7.04	6.09	7.04	5.82	5.51	5.89	11.00
29/11/2024 04:18:36	6.98	6.05	6.98	5.78	5.43	5.84	10.96
29/11/2024 04:19:36	7.00	6.05	7.00	5.78	5.44	5.84	10.97
29/11/2024 04:20:35	6.97	6.00	6.97	5.76	5.42	5.85	10.94
29/11/2024 04:21:34	6.95	6.01	6.95	5.76	5.43	5.82	10.93
29/11/2024 04:22:34	6.95	5.98	6.95	5.75	5.42	5.82	10.97
29/11/2024 04:23:33	6.93	5.98	6.93	5.70	5.37	5.77	10.87
29/11/2024 04:24:33	6.99	5.99	6.99	5.75	5.48	5.82	11.00
29/11/2024 04:25:32	7.06	6.06	7.06	5.85	5.48	5.92	11.03
29/11/2024 04:26:32	6.89	5.90	6.89	5.72	5.28	5.78	10.80
29/11/2024 04:27:31	6.86	5.94	6.86	5.68	5.30	5.75	10.78
29/11/2024 04:28:31	6.89	5.96	6.89	5.71	5.33	5.78	10.82
29/11/2024 04:29:31	6.90	5.98	6.90	5.68	5.41	5.75	10.86
29/11/2024 04:30:31	6.89	5.94	6.89	5.70	5.36	5.76	10.83
29/11/2024 04:31:30	7.06	6.14	7.06	5.85	5.53	5.92	10.96
29/11/2024 04:32:30	6.93	6.03	6.93	5.76	5.43	5.82	10.89
29/11/2024 04:33:30	6.96	6.01	6.96	5.75	5.44	5.81	10.90
29/11/2024 04:34:30	7.02	6.07	7.02	5.80	5.51	5.87	10.96
29/11/2024 04:35:29	7.10	6.16	7.10	5.90	5.53	5.96	11.01
29/11/2024 04:36:29	6.96	6.02	6.96	5.77	5.40	5.83	10.88
29/11/2024 04:37:28	7.03	6.11	7.03	5.79	5.50	5.86	10.97
29/11/2024 04:38:28	6.96	6.04	6.96	5.75	5.47	5.81	10.92
29/11/2024 04:39:28	6.92	6.03	6.92	5.73	5.41	5.79	10.86
29/11/2024 04:40:27	6.98	6.06	6.98	5.76	5.45	5.83	10.91
29/11/2024 04:41:26	6.96	6.03	6.96	5.76	5.41	5.83	10.87
29/11/2024 04:42:27	7.00	6.07	7.00	5.82	5.51	5.89	10.94
29/11/2024 04:43:26	7.06	6.13	7.06	5.86	5.54	5.93	10.97
29/11/2024 04:44:27	6.98	6.06	6.98	5.79	5.45	5.86	10.92
29/11/2024 04:45:26	6.97	6.04	6.97	5.76	5.44	5.82	10.88
29/11/2024 04:46:26	6.99	6.06	6.99	5.79	5.45	5.86	10.92
29/11/2024 04:47:26	6.83	5.89	6.83	5.64	5.29	5.70	10.75
29/11/2024 04:48:25	7.11	6.15	7.11	5.90	5.56	5.97	11.04
29/11/2024 04:49:25	6.97	6.03	6.97	5.75	5.44	5.81	10.91
29/11/2024 04:50:24	6.93	6.02	6.93	5.75	5.39	5.82	10.88
29/11/2024 04:51:23	7.05	6.11	7.05	5.84	5.50	5.90	10.96
29/11/2024 04:52:24	7.01	6.07	7.01	5.61	5.47	5.87	10.93
29/11/2024 04:53:23	7.06	6.09	7.06	5.83	5.49	5.89	10.94
29/11/2024 04:54:23	7.09	6.08	7.09	5.84	5.52	5.91	11.02
29/11/2024 04:55:23	7.04	6.09	7.04	5.84	5.50	5.90	10.98
29/11/2024 04:56:23	7.08	6.11	7.08	5.88	5.51	5.95	11.00
29/11/2024 04:57:23	6.96	6.06	6.96	5.77	5.40	5.83	10.87
29/11/2024 04:58:22	7.01	6.04	7.01	5.82	5.46	5.89	10.94
29/11/2024 04:59:22	6.98	6.00	6.89	5.78	5.44	5.84	10.90
29/11/2024 05:00:21	6.99	6.04	6.99	5.79	5.45	5.86	10.92

29/11/2024 05:01:20	7.02	6.02	7.02	5.81	5.45	5.88	10.92
29/11/2024 05:02:21	7.01	6.03	7.01	5.80	5.45	5.87	10.94
29/11/2024 05:03:21	7.03	6.07	7.03	5.82	5.47	5.89	10.94
29/11/2024 05:04:20	7.04	6.06	7.04	5.83	5.45	5.89	10.96
29/11/2024 05:05:20	7.10	6.09	7.10	5.88	5.51	5.95	10.97
29/11/2024 05:06:19	6.95	5.95	6.95	5.74	5.36	5.81	10.83
29/11/2024 05:07:18	7.01	6.01	7.01	5.81	5.41	5.87	10.90
29/11/2024 05:08:18	7.05	6.03	7.05	5.82	5.50	5.89	10.99
29/11/2024 05:09:17	6.88	5.87	6.88	5.66	5.28	5.74	10.76
29/11/2024 05:10:17	7.10	6.09	7.10	5.88	5.52	5.95	11.00
29/11/2024 05:11:17	6.99	5.95	6.99	5.81	5.38	5.87	10.88
29/11/2024 05:12:16	7.22	6.13	7.22	5.97	5.57	6.03	11.14
29/11/2024 05:13:15	7.11	6.07	7.11	5.89	5.50	5.96	10.99
29/11/2024 05:14:16	6.99	5.97	6.99	5.77	5.40	5.84	10.89
29/11/2024 05:15:15	7.00	6.00	7.00	5.78	5.41	5.85	10.90
29/11/2024 05:16:15	7.01	5.99	7.01	5.79	5.42	5.86	10.93
29/11/2024 05:17:14	6.95	5.93	6.95	5.72	5.37	5.78	10.85
29/11/2024 05:18:13	6.98	5.97	6.98	5.77	5.39	5.83	10.90
29/11/2024 05:19:14	7.12	6.08	7.12	5.88	5.50	5.95	11.00
29/11/2024 05:20:13	7.06	6.05	7.06	5.86	5.48	5.93	10.95
29/11/2024 05:21:13	7.06	6.05	7.06	5.82	5.46	5.89	10.96
29/11/2024 05:22:12	7.11	6.06	7.11	5.90	5.51	5.97	11.01
29/11/2024 05:23:12	7.08	6.08	7.08	5.87	5.49	5.90	10.97
29/11/2024 05:24:11	7.12	6.10	7.12	5.89	5.54	5.96	11.04
29/11/2024 05:25:10	7.21	6.21	7.21	5.96	5.63	6.03	11.12
29/11/2024 05:26:10	7.17	6.16	7.17	5.93	5.61	6.00	11.07
29/11/2024 05:27:09	7.01	5.99	7.01	5.82	5.42	5.89	10.92
29/11/2024 05:28:09	7.09	6.07	7.09	5.88	5.49	5.91	10.98
29/11/2024 05:29:09	7.04	6.01	7.04	5.83	5.42	5.90	10.92
29/11/2024 05:30:08	7.04	6.02	7.04	5.84	5.45	5.91	10.96
29/11/2024 05:31:08	7.13	6.12	7.13	5.91	5.52	5.97	11.01
29/11/2024 05:32:07	6.95	5.93	6.95	5.75	5.37	5.82	10.86
29/11/2024 05:33:06	6.93	5.94	6.93	5.73	5.36	5.80	10.85
29/11/2024 05:34:06	7.01	5.99	7.01	5.79	5.43	5.86	10.93
29/11/2024 05:35:06	7.14	6.11	7.14	5.92	5.54	5.98	11.03
29/11/2024 05:36:05	7.16	6.14	7.16	5.98	5.53	6.05	11.02
29/11/2024 05:37:05	7.07	6.05	7.07	5.83	5.47	5.90	10.95
29/11/2024 05:38:05	7.12	6.08	7.12	5.91	5.51	5.98	11.02
29/11/2024 05:39:04	7.18	6.14	7.18	5.94	5.57	6.01	11.08
29/11/2024 05:40:05	7.13	6.07	7.13	5.91	5.54	5.96	11.06
29/11/2024 05:41:05	7.06	6.04	7.06	5.83	5.47	5.90	10.96
29/11/2024 05:42:04	7.24	6.22	7.24	6.04	5.62	6.11	11.11
29/11/2024 05:43:04	7.34	6.29	7.34	6.11	5.72	6.18	11.23
29/11/2024 05:44:03	7.23	6.18	7.23	6.03	5.62	6.09	11.15

29/11/2024 05:45:03	7.20	6.17	7.20	5.98	5.60	6.05	11.11
29/11/2024 05:46:03	7.08	6.03	7.08	5.87	5.48	5.93	11.03
29/11/2024 05:47:02	7.13	6.10	7.13	5.89	5.53	5.95	11.03
29/11/2024 05:48:02	7.11	6.04	7.11	5.90	5.49	5.97	10.99
29/11/2024 05:49:01	7.11	6.05	7.11	5.88	5.50	5.95	11.02
29/11/2024 05:50:00	7.05	6.00	7.05	5.83	5.45	5.90	10.98
29/11/2024 05:51:00	6.90	5.82	6.90	5.68	5.28	5.75	10.79
29/11/2024 05:52:00	6.93	5.86	6.93	5.72	5.30	5.78	10.83
29/11/2024 05:52:59	7.07	6.03	7.07	5.85	5.46	5.92	10.96
29/11/2024 05:54:00	6.96	5.92	6.96	5.78	5.36	5.84	10.87
29/11/2024 05:54:59	7.00	5.93	7.00	5.77	5.37	5.84	10.90
29/11/2024 05:55:59	7.00	5.96	7.00	5.78	5.38	5.85	10.92
29/11/2024 05:56:58	7.12	6.07	7.12	5.88	5.51	5.95	11.04
29/11/2024 05:57:57	7.08	6.02	7.08	5.89	5.44	5.96	10.99
29/11/2024 05:58:57	7.10	6.04	7.10	5.88	5.48	5.95	11.01
29/11/2024 05:59:57	7.05	6.00	7.05	5.82	5.45	5.89	10.95
29/11/2024 06:00:56	7.15	6.10	7.15	5.92	5.51	5.99	11.03
29/11/2024 06:01:55	7.08	6.04	7.08	5.87	5.46	5.94	10.99
29/11/2024 06:02:55	7.08	6.06	7.08	5.85	5.47	5.92	11.00
29/11/2024 06:03:55	7.09	6.01	7.09	5.87	5.48	5.94	11.00
29/11/2024 06:04:54	7.13	6.07	7.13	5.91	5.51	5.98	11.05
29/11/2024 06:05:54	7.01	5.96	7.01	5.81	5.39	5.88	10.94
29/11/2024 06:06:53	7.10	6.02	7.10	5.89	5.48	5.98	11.01
29/11/2024 06:07:53	7.06	5.99	7.06	5.84	5.46	5.91	10.98
29/11/2024 06:08:52	7.11	6.06	7.11	5.87	5.50	5.94	11.03
29/11/2024 06:09:53	7.04	5.93	7.04	5.85	5.42	5.91	10.96
29/11/2024 06:10:52	7.06	5.99	7.06	5.84	5.42	5.91	10.94
29/11/2024 06:11:52	7.08	6.02	7.08	5.87	5.47	5.94	10.99
29/11/2024 06:12:51	7.04	5.99	7.04	5.80	5.41	5.87	10.93
29/11/2024 06:13:50	7.07	5.99	7.07	5.65	5.43	5.92	10.98
29/11/2024 06:14:50	7.32	6.24	7.32	6.08	5.70	6.15	11.23
29/11/2024 06:15:49	7.26	6.20	7.26	6.04	5.64	6.11	11.17
29/11/2024 06:16:49	7.20	6.15	7.20	5.97	5.58	6.04	11.09
29/11/2024 06:17:49	7.18	6.14	7.16	5.94	5.57	6.01	11.10
29/11/2024 06:18:48	7.13	6.03	7.13	5.90	5.47	5.97	11.00
29/11/2024 06:19:48	7.05	5.99	7.05	5.85	5.43	5.92	10.98
29/11/2024 06:20:47	7.06	6.01	7.06	5.85	5.44	5.91	10.96
29/11/2024 06:21:47	7.15	6.09	7.15	5.84	5.53	6.01	11.07
29/11/2024 06:22:46	7.07	6.03	7.07	5.64	5.45	5.91	10.95
29/11/2024 06:23:46	7.12	6.04	7.12	5.91	5.49	5.98	11.03
29/11/2024 06:24:46	7.20	6.13	7.20	5.97	5.55	6.04	11.10
29/11/2024 06:25:46	7.31	6.22	7.31	6.12	5.66	6.19	11.22
29/11/2024 06:26:45	7.24	6.19	7.24	6.02	5.61	6.09	11.13
29/11/2024 06:27:44	7.28	6.20	7.28	6.07	5.62	6.14	11.17

29/11/2024 06:28:44	7.22	6.14	7.22	5.90	5.58	6.06	11.12
29/11/2024 06:29:44	7.11	6.03	7.11	5.90	5.48	5.97	11.04
29/11/2024 06:30:43	7.15	6.09	7.15	5.91	5.51	5.98	11.04
29/11/2024 06:31:43	7.09	6.04	7.09	5.89	5.48	5.96	11.02
29/11/2024 06:32:42	7.13	6.09	7.13	5.92	5.50	5.90	11.03
29/11/2024 06:33:41	7.17	6.10	7.17	5.95	5.53	6.02	11.08
29/11/2024 06:34:42	7.15	6.06	7.15	5.93	5.50	6.00	11.03
29/11/2024 06:35:41	7.15	6.07	7.15	5.93	5.51	6.00	11.06
29/11/2024 06:36:40	7.12	6.05	7.12	5.89	5.49	5.96	11.00
29/11/2024 06:37:40	7.05	5.97	7.05	5.84	5.41	5.91	10.94
29/11/2024 06:38:40	7.04	5.96	7.04	5.80	5.39	5.67	10.94
29/11/2024 06:39:39	7.11	6.04	7.11	5.88	5.48	5.94	11.03
29/11/2024 06:40:39	7.09	6.04	7.09	5.84	5.46	5.91	10.99
29/11/2024 06:41:39	7.21	6.14	7.21	5.97	5.58	6.04	11.12
29/11/2024 06:42:38	7.22	6.15	7.22	5.97	5.59	6.04	11.13
29/11/2024 06:43:38	7.30	6.24	7.30	6.05	5.68	6.12	11.22
29/11/2024 06:44:37	7.22	6.14	7.22	5.98	5.58	6.05	11.11
29/11/2024 06:45:36	7.21	6.15	7.21	5.94	5.59	6.02	11.13
29/11/2024 06:46:36	7.26	6.19	7.26	6.01	5.64	6.08	11.17
29/11/2024 06:47:35	7.26	6.19	7.26	6.04	5.61	6.11	11.18
29/11/2024 06:48:35	7.36	6.29	7.36	6.11	5.73	6.18	11.28
29/11/2024 06:49:35	7.19	6.14	7.19	5.98	5.58	6.03	11.14
29/11/2024 06:50:34	7.29	6.20	7.29	6.04	5.66	6.11	11.23
29/11/2024 06:51:34	7.28	6.20	7.28	6.05	5.66	6.12	11.23
29/11/2024 06:52:33	7.26	6.19	7.26	6.03	5.62	6.10	11.18
29/11/2024 06:53:33	7.15	6.08	7.15	5.93	5.51	6.00	11.06
29/11/2024 06:54:33	7.36	6.29	7.36	6.12	5.72	6.19	11.27
29/11/2024 06:55:32	7.46	6.41	7.46	6.24	5.82	6.31	11.38
29/11/2024 06:56:32	7.58	6.46	7.58	6.35	5.91	6.42	11.47
29/11/2024 06:57:31	7.44	6.36	7.44	6.21	5.80	6.28	11.34
29/11/2024 06:58:30	7.35	6.28	7.35	6.12	5.71	6.19	11.26
29/11/2024 06:59:30	7.43	6.37	7.43	6.20	5.79	6.27	11.36
29/11/2024 07:00:30	7.21	6.14	7.21	5.98	5.58	6.05	11.16
29/11/2024 07:01:29	7.16	6.08	7.16	5.92	5.51	5.99	11.09
29/11/2024 07:02:29	6.98	5.90	6.98	5.78	5.35	5.83	10.91
29/11/2024 07:03:28	7.58	6.44	7.58	6.36	5.91	6.43	11.49
29/11/2024 07:04:28	7.52	6.43	7.52	6.27	5.85	6.34	11.41
29/11/2024 07:05:27	7.59	6.47	7.59	6.36	5.93	6.43	11.52
29/11/2024 07:06:26	7.46	6.45	7.46	6.24	5.85	6.32	11.41
29/11/2024 07:07:26	7.59	6.46	7.59	6.35	5.92	6.42	11.49
29/11/2024 07:08:25	7.62	6.49	7.62	6.39	5.93	6.46	11.49
29/11/2024 07:09:25	7.33	6.24	7.33	6.10	5.67	6.17	11.22
29/11/2024 07:10:24	7.44	6.35	7.44	6.17	5.78	6.24	11.34
29/11/2024 07:11:24	7.35	6.25	7.35	6.12	5.71	6.19	11.28

29/11/2024 07:12:24	7.46	6.35	7.46	6.20	5.80	6.27	11.32
29/11/2024 07:13:23	7.47	6.38	7.47	6.25	5.82	6.31	11.37
29/11/2024 07:14:23	7.31	6.23	7.31	6.06	5.69	6.13	11.24
29/11/2024 07:15:22	7.35	6.25	7.35	6.15	5.69	6.22	11.26
29/11/2024 07:16:21	7.49	6.37	7.49	6.27	5.84	6.34	11.40
29/11/2024 07:17:22	7.65	6.56	7.65	6.39	6.00	6.46	11.56
29/11/2024 07:18:21	7.44	6.36	7.44	6.20	5.79	6.27	11.37
29/11/2024 07:19:20	7.46	6.35	7.46	6.20	5.81	6.27	11.39
29/11/2024 07:20:20	7.49	6.41	7.49	6.24	5.84	6.31	11.42
29/11/2024 07:21:20	7.52	6.48	7.52	6.30	5.87	6.37	11.43
29/11/2024 07:22:19	7.65	6.57	7.65	6.37	6.01	6.44	11.57
29/11/2024 07:23:19	7.64	6.59	7.64	6.40	6.01	6.47	11.58
29/11/2024 07:24:19	7.40	6.34	7.40	6.19	5.74	6.26	11.30
29/11/2024 07:25:18	7.61	6.48	7.61	6.39	5.95	6.48	11.55
29/11/2024 07:26:18	7.77	6.62	7.77	6.52	6.09	6.60	11.68
29/11/2024 07:27:18	7.66	6.69	7.66	6.47	5.95	6.54	11.53
29/11/2024 07:28:17	7.63	6.62	7.63	6.40	5.95	6.47	11.50
29/11/2024 07:29:17	7.04	5.98	7.04	5.84	5.40	5.91	10.97
29/11/2024 07:30:17	7.31	6.19	7.31	6.06	5.60	6.13	11.15
29/11/2024 07:31:16	7.43	6.35	7.43	6.22	5.77	6.29	11.34
29/11/2024 07:32:16	7.38	6.31	7.38	6.16	5.70	6.23	11.23
29/11/2024 07:33:15	7.27	6.28	7.27	6.06	5.62	6.13	11.20
29/11/2024 07:34:16	7.27	6.19	7.27	6.05	5.58	6.12	11.20
29/11/2024 07:35:15	7.26	6.27	7.26	6.06	5.55	6.13	11.20
29/11/2024 07:36:15	7.61	6.53	7.61	6.38	5.89	6.45	11.48
29/11/2024 07:37:16	7.29	6.24	7.29	6.09	5.59	6.16	11.24
29/11/2024 07:38:15	7.21	6.17	7.21	5.99	5.52	6.06	11.14
29/11/2024 07:39:14	7.10	6.07	7.10	5.87	5.44	5.94	11.05
29/11/2024 07:40:14	7.31	6.28	7.31	6.05	5.65	6.13	11.25
29/11/2024 07:41:13	7.27	6.22	7.27	6.06	5.60	6.13	11.20
29/11/2024 07:42:13	7.37	6.31	7.37	6.15	5.68	6.22	11.31
29/11/2024 07:43:12	7.36	6.26	7.36	6.13	5.69	6.20	11.32
29/11/2024 07:44:12	7.56	6.49	7.56	6.31	5.87	6.38	11.47
29/11/2024 07:45:12	7.23	6.13	7.23	6.01	5.55	6.09	11.19
29/11/2024 07:46:11	7.34	6.29	7.34	6.14	5.67	6.21	11.28
29/11/2024 07:47:12	7.31	6.22	7.31	6.10	5.64	6.18	11.28
29/11/2024 07:48:11	7.32	6.27	7.32	6.09	5.63	6.16	11.25
29/11/2024 07:49:10	7.30	6.22	7.30	6.08	5.66	6.15	11.25
29/11/2024 07:50:10	7.36	6.23	7.36	6.11	5.66	6.18	11.25
29/11/2024 07:51:09	7.36	6.28	7.36	6.17	5.65	6.24	11.27
29/11/2024 07:52:10	7.38	6.22	7.38	6.10	5.65	6.18	11.30
29/11/2024 07:53:09	7.55	6.35	7.55	6.30	5.78	6.37	11.47
29/11/2024 07:54:09	7.25	6.16	7.25	6.04	5.51	6.11	11.14
29/11/2024 07:55:09	7.67	6.57	7.67	6.46	5.99	6.54	11.61

29/11/2024 07:56:09	7.56	8.40	7.56	6.35	5.81	6.42	11.45
29/11/2024 07:57:08	7.32	6.21	7.32	6.11	5.61	6.18	11.22
29/11/2024 07:58:08	7.75	6.69	7.75	6.46	6.07	6.55	11.70
29/11/2024 07:59:07	7.61	6.55	7.61	6.45	5.88	6.52	11.50
29/11/2024 08:00:07	7.60	6.57	7.60	6.37	5.92	6.44	11.48
29/11/2024 08:01:06	7.59	6.54	7.59	6.36	5.86	6.43	11.50
29/11/2024 08:02:06	7.53	6.40	7.53	6.31	5.85	6.38	11.42
29/11/2024 08:03:06	7.49	6.35	7.49	6.30	5.76	6.37	11.40
29/11/2024 08:04:06	7.66	6.53	7.66	6.46	5.97	6.53	11.59
29/11/2024 08:05:06	7.53	6.38	7.53	6.31	5.84	6.38	11.45
29/11/2024 08:06:06	7.71	6.55	7.71	6.48	6.00	6.56	11.64
29/11/2024 08:07:05	7.64	6.51	7.64	6.40	5.93	6.47	11.55
29/11/2024 08:08:05	7.75	6.61	7.75	6.47	6.05	6.55	11.65
29/11/2024 08:09:05	7.50	6.40	7.50	6.29	5.80	6.36	11.40
29/11/2024 08:10:05	7.44	6.38	7.44	6.22	5.71	6.29	11.35
29/11/2024 08:11:05	7.61	6.46	7.61	6.37	5.92	6.44	11.55
29/11/2024 08:12:05	7.54	6.41	7.54	6.33	5.84	6.40	11.48
29/11/2024 08:13:05	7.43	6.25	7.43	6.22	5.70	6.29	11.33
29/11/2024 08:14:05	7.69	6.44	7.69	6.49	5.95	6.56	11.58
29/11/2024 08:15:04	7.36	6.18	7.36	6.17	5.68	6.24	11.30
29/11/2024 08:16:04	7.59	6.44	7.59	6.34	5.89	6.42	11.53
29/11/2024 08:17:03	7.67	6.51	7.67	6.39	5.98	6.46	11.57
29/11/2024 08:18:03	7.73	6.61	7.73	6.54	6.01	6.61	11.64
29/11/2024 08:19:02	7.68	6.60	7.68	6.44	6.01	6.51	11.59
29/11/2024 08:20:02	7.57	6.61	7.57	6.39	5.83	6.46	11.44
29/11/2024 08:21:02	7.64	6.54	7.64	6.39	5.95	6.46	11.56
29/11/2024 08:22:01	7.52	6.35	7.52	6.28	5.84	6.35	11.44
29/11/2024 08:23:01	7.40	6.20	7.40	6.21	5.71	6.28	11.31
29/11/2024 08:24:00	7.58	6.44	7.58	6.39	5.87	6.46	11.46
29/11/2024 08:25:00	7.69	6.60	7.69	6.49	6.00	6.56	11.64
29/11/2024 08:26:00	7.66	6.51	7.66	6.46	5.93	6.53	11.58
29/11/2024 08:26:59	7.80	6.61	7.80	6.59	6.06	6.67	11.69
29/11/2024 08:27:59	7.49	6.35	7.49	6.30	5.74	6.37	11.39
29/11/2024 08:28:58	7.46	6.20	7.46	6.27	5.71	6.34	11.40
29/11/2024 08:29:58	7.68	6.71	7.68	6.46	6.03	6.53	11.68
29/11/2024 08:30:58	7.65	6.43	7.65	6.43	5.95	6.50	11.55
29/11/2024 08:31:59	7.69	6.54	7.69	6.52	5.94	6.59	11.54
29/11/2024 08:32:58	7.52	6.35	7.52	6.34	5.75	6.41	11.39
29/11/2024 08:33:58	7.60	6.38	7.60	6.40	5.86	6.47	11.50
29/11/2024 08:34:58	7.78	6.58	7.78	6.61	6.04	6.68	11.66
29/11/2024 08:35:58	7.45	6.19	7.51	6.33	5.73	6.40	11.38
29/11/2024 08:36:57	7.51	6.23	7.51	6.33	5.72	6.40	11.39
29/11/2024 08:37:57	7.57	6.39	7.57	6.35	5.82	6.42	11.45
29/11/2024 08:38:57	7.37	6.23	7.37	6.19	5.62	6.25	11.24

29/11/2024 08:39:56	7.84	6.70	7.84	6.60	6.15	6.67	11.75
29/11/2024 08:40:56	7.68	6.53	7.68	6.44	5.98	6.51	11.60
29/11/2024 08:41:55	7.50	6.33	7.50	6.31	5.81	6.38	11.41
29/11/2024 08:42:55	7.55	6.39	7.55	6.37	5.87	6.44	11.46
29/11/2024 08:43:54	7.69	6.71	7.69	6.48	6.04	6.55	11.61
29/11/2024 08:44:54	7.46	6.37	7.46	6.24	5.80	6.31	11.37
29/11/2024 08:45:53	7.56	6.32	7.56	6.38	5.83	6.45	11.42
29/11/2024 08:46:53	7.68	6.67	7.68	6.58	5.92	6.64	11.51
29/11/2024 08:47:52	7.76	6.85	7.76	6.59	6.06	6.66	11.67
29/11/2024 08:48:51	7.34	6.65	7.34	6.22	5.63	6.29	11.22
29/11/2024 08:49:51	7.34	6.83	7.34	6.24	5.74	6.31	11.44
29/11/2024 08:50:50	7.70	6.67	7.70	6.54	6.01	6.61	11.62
29/11/2024 08:51:51	7.53	6.58	7.53	6.43	5.74	6.50	11.33
29/11/2024 08:52:50	7.43	6.48	7.43	6.30	5.84	6.36	11.39
29/11/2024 08:53:49	7.54	6.62	7.54	6.43	5.86	6.50	11.41
29/11/2024 08:54:49	7.82	6.81	7.82	6.69	6.12	6.76	11.67
29/11/2024 08:55:48	7.38	6.40	7.38	6.25	5.67	6.32	11.20
29/11/2024 08:56:48	7.85	7.00	7.85	6.75	6.05	6.82	11.71
29/11/2024 08:57:48	7.74	6.92	7.74	6.63	6.00	6.70	11.55
29/11/2024 08:58:47	8.01	7.04	8.01	6.81	6.24	6.88	11.85
29/11/2024 08:59:47	8.12	7.17	8.12	6.92	6.40	6.99	12.00
29/11/2024 09:00:47	7.70	6.83	7.70	6.53	5.96	6.60	11.61
29/11/2024 09:01:47	8.10	7.21	8.10	6.93	6.38	7.00	11.93
29/11/2024 09:02:47	7.77	6.91	7.77	6.67	6.15	6.73	11.70
29/11/2024 09:03:46	7.77	6.94	7.77	6.62	6.14	6.69	11.74
29/11/2024 09:04:47	7.87	7.04	7.87	6.74	6.20	6.81	11.78
29/11/2024 09:05:47	7.78	7.00	7.78	6.66	6.12	6.72	11.71
29/11/2024 09:06:46	7.78	6.90	7.78	6.62	6.15	6.69	11.72
29/11/2024 09:07:46	8.09	7.18	8.09	6.91	6.50	6.98	12.10
29/11/2024 09:08:46	7.78	6.75	7.78	6.65	6.17	6.72	11.71
29/11/2024 09:09:45	7.77	6.76	7.77	6.60	6.23	6.67	11.79
29/11/2024 09:10:45	7.58	6.82	7.58	6.47	6.01	6.54	11.56
29/11/2024 09:11:44	7.91	6.98	7.91	6.76	6.38	6.83	11.88
29/11/2024 09:12:43	7.83	6.98	7.83	6.66	6.21	6.74	11.79
29/11/2024 09:13:43	7.91	7.04	7.91	6.72	6.37	6.79	11.95
29/11/2024 09:14:43	7.98	7.10	7.98	6.79	6.45	6.87	12.09
29/11/2024 09:15:42	7.73	7.15	7.73	6.60	6.09	6.67	11.66
29/11/2024 09:16:42	7.96	7.28	7.96	6.64	6.26	6.91	11.87
29/11/2024 09:17:42	7.79	6.92	7.79	6.60	6.30	6.67	11.85
29/11/2024 09:18:41	8.00	7.14	8.00	6.79	6.44	6.87	12.03
29/11/2024 09:19:41	7.78	6.81	7.78	6.57	6.17	6.64	11.75
29/11/2024 09:20:40	8.02	7.13	8.02	6.79	6.45	6.86	12.02
29/11/2024 09:21:40	7.77	6.93	7.77	6.59	6.22	6.87	11.78
29/11/2024 09:22:40	7.97	7.03	7.97	6.79	6.42	6.86	11.95

29/11/2024 09:23:39	7.92	7.01	7.92	6.72	6.43	6.79	11.98
29/11/2024 09:24:38	7.84	6.87	7.84	6.61	6.27	6.68	11.86
29/11/2024 09:25:37	8.15	7.31	8.15	6.94	6.54	7.01	12.14
29/11/2024 09:26:37	7.69	6.80	7.69	6.58	6.08	6.66	11.72
29/11/2024 09:27:36	7.63	6.64	7.63	6.58	5.92	6.65	11.65
29/11/2024 09:28:36	7.56	7.00	7.56	6.55	5.69	6.61	11.49
29/11/2024 09:29:36	7.70	6.85	7.70	6.58	6.03	6.66	11.74
29/11/2024 09:30:35	7.64	6.71	7.64	6.52	5.98	6.59	11.57
29/11/2024 09:31:35	7.77	6.71	7.77	6.57	6.15	6.64	11.69
29/11/2024 09:32:34	8.05	7.12	8.05	6.84	6.41	6.91	11.99
29/11/2024 09:33:33	7.95	7.12	7.95	6.72	6.35	6.79	11.66
29/11/2024 09:34:32	7.72	6.82	7.72	6.49	6.12	6.56	11.67
29/11/2024 09:35:33	7.80	7.09	7.80	6.59	6.19	6.67	11.78
29/11/2024 09:36:32	7.80	7.00	7.80	6.59	6.24	6.66	11.77
29/11/2024 09:37:31	7.76	6.99	7.76	6.54	6.22	6.62	11.79
29/11/2024 09:38:31	7.75	6.90	7.75	6.53	6.21	6.60	11.71
29/11/2024 09:39:31	7.74	6.87	7.74	6.55	6.14	6.63	11.67
29/11/2024 09:40:31	7.77	7.05	7.77	6.58	6.21	6.66	11.78
29/11/2024 09:41:30	7.88	7.04	7.88	6.64	6.42	6.72	11.95
29/11/2024 09:42:29	7.99	7.13	7.99	6.73	6.46	6.80	11.98
29/11/2024 09:43:30	7.93	6.99	7.93	6.70	6.40	6.77	11.90
29/11/2024 09:44:29	8.04	7.17	8.04	6.79	6.52	6.87	12.07
29/11/2024 09:45:29	8.03	7.18	8.03	6.82	6.45	6.89	12.04
29/11/2024 09:46:29	8.00	7.20	8.00	6.77	6.47	6.84	12.03
29/11/2024 09:47:29	8.12	7.25	8.12	6.81	6.64	6.89	12.17
29/11/2024 09:48:28	7.97	7.10	7.97	6.71	6.44	6.78	12.03
29/11/2024 09:49:27	7.94	7.10	7.94	6.66	6.38	6.73	11.94
29/11/2024 09:50:28	8.13	7.33	8.13	6.85	6.70	6.92	12.18
29/11/2024 09:51:27	7.81	7.02	7.81	6.53	6.32	6.60	11.88
29/11/2024 09:52:27	7.85	7.08	7.85	6.56	6.38	6.63	11.92
29/11/2024 09:53:27	8.07	7.32	8.07	6.79	6.62	6.86	12.17
29/11/2024 09:54:26	7.94	7.16	7.94	6.69	6.57	6.76	12.08
29/11/2024 09:55:25	7.88	7.08	7.88	6.62	6.40	6.70	11.95
29/11/2024 09:56:25	8.00	7.22	8.00	6.76	6.57	6.83	12.10
29/11/2024 09:57:24	7.87	7.02	7.87	6.63	6.38	6.71	11.92
29/11/2024 09:58:23	7.97	7.18	7.97	6.74	6.64	6.81	12.16
29/11/2024 09:59:24	7.87	7.04	7.87	6.64	6.41	6.71	11.98
29/11/2024 10:00:23	7.92	7.06	7.92	6.67	6.45	6.75	11.99
29/11/2024 10:01:23	7.96	7.09	7.96	6.67	6.53	6.75	12.06
29/11/2024 10:02:22	7.90	7.10	7.90	6.87	6.47	6.75	12.01
29/11/2024 10:03:22	8.06	7.18	8.06	6.78	6.54	6.86	12.11
29/11/2024 10:04:22	8.04	7.19	8.04	6.76	6.58	6.83	12.15
29/11/2024 10:05:21	7.99	7.15	7.99	6.72	6.53	6.80	12.11
29/11/2024 10:06:20	8.01	7.21	8.01	6.76	6.57	6.83	12.13

29/11/2024 10:07:20	6.05	7.17	8.05	6.77	6.53	6.85	12.09
29/11/2024 10:08:20	7.98	7.13	7.98	6.70	6.48	6.78	12.06
29/11/2024 10:09:19	7.91	7.03	7.91	6.61	6.47	6.68	12.01
29/11/2024 10:10:19	6.03	7.12	8.03	6.71	6.55	6.79	12.11
29/11/2024 10:11:18	7.96	7.08	7.96	6.69	6.50	6.77	12.06
29/11/2024 10:12:18	7.90	7.04	7.90	6.62	6.35	6.70	11.94
29/11/2024 10:13:17	7.97	7.04	7.97	6.72	6.45	6.80	11.97
29/11/2024 10:14:17	7.67	6.96	7.67	6.64	6.37	6.71	11.92
29/11/2024 10:15:17	8.02	7.08	8.02	6.77	6.53	6.81	12.05
29/11/2024 10:16:16	8.15	7.15	8.15	6.89	6.68	6.96	12.19
29/11/2024 10:17:16	7.89	6.90	7.89	6.65	6.35	6.72	11.90
29/11/2024 10:18:15	7.66	6.94	7.66	6.66	6.28	6.73	11.83
29/11/2024 10:19:15	8.03	7.09	8.03	6.77	6.51	6.84	12.02
29/11/2024 10:20:15	8.02	7.12	8.02	6.75	6.56	6.82	11.99
29/11/2024 10:21:14	7.78	6.85	7.78	6.51	6.31	6.58	11.72
29/11/2024 10:22:15	7.91	6.87	7.91	6.68	6.37	6.75	11.85
29/11/2024 10:23:15	7.78	6.78	7.78	6.51	6.31	6.56	11.70
29/11/2024 10:24:14	7.66	6.52	7.66	6.43	6.01	6.50	11.50
29/11/2024 10:25:14	6.08	7.03	6.08	6.84	6.49	6.91	12.02
29/11/2024 10:26:13	6.24	7.15	6.24	7.00	6.69	7.07	12.21
29/11/2024 10:27:13	7.87	6.85	7.87	6.63	6.27	6.70	11.78
29/11/2024 10:28:13	8.10	7.09	8.10	6.85	6.62	6.93	12.10
29/11/2024 10:29:12	7.95	6.92	7.95	6.70	6.39	6.78	11.91
29/11/2024 10:30:11	7.98	6.94	7.98	6.71	6.45	6.78	11.95
29/11/2024 10:31:11	7.82	6.82	7.82	6.57	6.27	6.65	11.73
29/11/2024 10:32:11	8.12	7.22	8.12	6.88	6.63	6.95	12.13
29/11/2024 10:33:10	7.97	7.05	7.97	6.73	6.43	6.80	11.93
29/11/2024 10:34:10	8.00	7.12	8.00	6.73	6.50	6.81	12.00
29/11/2024 10:35:10	8.40	7.32	8.40	7.08	6.79	7.15	12.33
29/11/2024 10:36:09	8.26	7.16	8.26	6.82	6.73	6.90	12.20
29/11/2024 10:37:08	8.11	7.05	8.11	6.70	6.58	6.78	12.05
29/11/2024 10:38:09	6.03	6.94	6.03	6.68	6.53	6.76	12.05
29/11/2024 10:39:08	6.36	7.35	6.36	6.91	6.82	6.99	12.33
29/11/2024 10:40:07	8.11	7.03	8.11	6.66	6.56	6.74	12.17
29/11/2024 10:41:08	8.07	7.21	8.07	6.60	6.61	6.68	12.17
29/11/2024 10:42:07	8.36	7.36	8.36	6.84	6.86	6.92	12.45
29/11/2024 10:43:06	8.15	7.25	8.15	6.66	7.01	6.74	12.48
29/11/2024 10:44:06	8.23	7.41	8.23	6.88	7.33	6.95	12.71
29/11/2024 10:45:05	8.50	7.66	8.50	7.13	7.53	7.20	12.94
29/11/2024 10:46:05	8.46	7.69	8.46	7.04	7.49	7.12	12.91
29/11/2024 10:47:05	8.21	7.42	8.21	6.91	7.78	6.98	12.86
29/11/2024 10:48:04	8.27	7.41	8.27	6.95	8.33	7.03	13.27
29/11/2024 10:49:04	8.22	7.44	8.22	6.86	9.34	6.94	13.93
29/11/2024 10:50:03	8.16	7.29	8.16	6.80	9.00	6.67	13.69

29/11/2024 10:51:02	8.32	7.40	8.32	6.95	9.02	7.02	13.75
29/11/2024 10:52:02	8.37	7.42	8.37	6.96	8.91	7.04	13.66
29/11/2024 10:53:01	8.16	7.33	8.16	6.83	8.87	6.91	13.53
29/11/2024 10:54:00	8.36	7.48	8.36	6.95	9.07	7.03	13.85
29/11/2024 10:55:00	8.24	7.53	8.24	7.01	9.43	7.08	13.95
29/11/2024 10:55:59	8.40	7.63	8.40	7.07	9.37	7.15	14.03
29/11/2024 10:56:59	8.64	7.64	8.64	7.17	9.19	7.25	14.06
29/11/2024 10:57:59	8.65	7.81	8.65	7.18	9.13	7.26	14.08
29/11/2024 10:58:58	8.56	7.70	8.56	7.04	8.92	7.13	13.95
29/11/2024 10:59:57	8.60	7.67	8.60	7.14	8.89	7.22	14.03
29/11/2024 11:00:58	8.68	7.77	8.68	7.19	8.75	7.27	13.90
29/11/2024 11:01:57	8.44	7.54	8.44	6.98	8.21	7.06	13.44
29/11/2024 11:02:57	8.53	7.61	8.53	7.08	8.13	7.16	13.42
29/11/2024 11:03:56	8.45	7.55	8.45	7.04	7.97	7.12	13.31
29/11/2024 11:04:56	8.48	7.53	8.48	6.98	7.84	7.08	13.17
29/11/2024 11:05:56	8.60	7.65	8.60	7.11	7.86	7.19	13.23
29/11/2024 11:06:55	8.46	7.52	8.46	7.02	7.67	7.10	12.98
29/11/2024 11:07:54	8.58	7.62	8.58	7.18	7.56	7.24	13.02
29/11/2024 11:08:54	8.61	7.60	8.61	7.12	7.42	7.20	12.85
29/11/2024 11:09:53	8.61	7.55	8.61	7.13	7.30	7.21	12.80
29/11/2024 11:10:53	8.60	7.55	8.60	7.15	7.20	7.23	12.69
29/11/2024 11:11:53	8.62	7.58	8.62	7.13	7.24	7.22	12.80
29/11/2024 11:12:52	8.63	7.53	8.63	7.12	7.17	7.20	12.70
29/11/2024 11:13:52	8.64	7.59	8.64	7.17	7.17	7.25	12.76
29/11/2024 11:14:51	8.69	7.64	8.69	7.27	7.11	7.35	12.69
29/11/2024 11:15:51	8.59	7.57	8.59	7.19	7.03	7.27	12.61
29/11/2024 11:16:50	8.58	7.56	8.58	7.18	7.06	7.26	12.60
29/11/2024 11:17:51	8.50	7.46	8.50	7.11	6.99	7.19	12.51
29/11/2024 11:18:50	8.75	7.61	8.75	7.25	7.18	7.33	12.80
29/11/2024 11:19:49	8.65	7.60	8.65	7.27	7.12	7.35	12.64
29/11/2024 11:20:49	8.50	7.48	8.50	7.12	6.98	7.20	12.52
29/11/2024 11:21:48	8.62	7.65	8.62	7.20	7.11	7.28	12.69
29/11/2024 11:22:47	8.52	7.50	8.52	7.08	7.11	7.16	12.67
29/11/2024 11:23:48	8.66	7.58	8.66	7.18	7.13	7.26	12.70
29/11/2024 11:24:47	8.55	7.52	8.55	7.11	7.14	7.19	12.76
29/11/2024 11:25:47	8.65	7.54	8.65	7.22	7.20	7.30	12.84
29/11/2024 11:26:47	8.66	7.58	8.66	7.09	7.12	7.18	12.78
29/11/2024 11:27:46	9.04	7.90	9.04	7.36	7.52	7.45	13.22
29/11/2024 11:28:46	8.88	7.79	8.88	7.21	7.43	7.30	13.07
29/11/2024 11:29:45	8.84	7.74	8.84	7.11	7.41	7.20	13.12
29/11/2024 11:30:45	8.84	7.72	8.84	7.12	7.42	7.21	13.09
29/11/2024 11:31:44	9.08	7.96	9.08	7.38	7.68	7.47	13.46
29/11/2024 11:32:44	8.88	7.82	8.88	7.25	7.53	7.34	13.31
29/11/2024 11:33:43	8.89	7.80	8.89	7.26	7.51	7.34	13.24

29/11/2024 11:34:42	8.88	7.78	8.88	7.25	7.48	7.33	13.32
29/11/2024 11:35:42	9.08	7.96	9.08	7.40	7.71	7.49	13.55
29/11/2024 11:36:41	9.10	8.01	9.10	7.39	7.72	7.48	13.47
29/11/2024 11:37:40	9.20	8.02	9.20	7.44	7.76	7.53	13.46
29/11/2024 11:38:40	8.98	7.87	8.98	7.33	7.59	7.41	13.30
29/11/2024 11:39:39	8.99	7.84	8.99	7.32	7.57	7.40	13.39
29/11/2024 11:40:38	9.14	7.98	9.14	7.39	7.70	7.48	13.43
29/11/2024 11:41:37	9.32	8.14	9.32	7.53	7.90	7.62	13.68
29/11/2024 11:42:37	9.32	8.15	9.32	7.51	7.92	7.61	13.73
29/11/2024 11:43:37	8.79	7.69	8.79	7.20	7.43	7.29	13.30
29/11/2024 11:44:37	8.82	7.73	8.82	7.23	7.46	7.32	13.00
29/11/2024 11:45:37	8.60	7.53	8.60	7.10	7.28	7.18	12.77
29/11/2024 11:46:36	8.49	7.41	8.49	7.03	7.12	7.11	12.70
29/11/2024 11:47:35	8.74	7.61	8.74	7.17	7.30	7.25	12.92
29/11/2024 11:48:35	9.16	7.99	9.16	7.42	7.66	7.51	13.39
29/11/2024 11:49:34	8.88	7.67	8.88	7.14	7.39	7.22	13.11
29/11/2024 11:50:34	8.98	7.81	8.98	7.16	7.47	7.25	13.27
29/11/2024 11:51:34	9.02	7.82	9.02	7.30	7.53	7.39	13.21
29/11/2024 11:52:33	9.00	7.76	9.00	7.27	7.50	7.36	13.33
29/11/2024 11:53:33	9.14	7.85	9.14	7.39	7.60	7.48	13.67
29/11/2024 11:54:32	9.14	7.86	9.14	7.34	7.59	7.43	13.76
29/11/2024 11:55:32	9.22	8.00	9.22	7.51	7.72	7.60	13.47
29/11/2024 11:56:32	9.65	8.43	9.65	7.69	8.12	7.78	13.91
29/11/2024 11:57:31	9.29	8.07	9.29	7.50	7.76	7.59	13.41
29/11/2024 11:58:31	9.42	8.14	9.42	7.59	7.82	7.67	13.52
29/11/2024 11:59:32	9.46	8.22	9.46	7.71	7.87	7.80	13.55
29/11/2024 12:00:31	9.54	8.27	9.54	7.76	7.92	7.85	13.65
29/11/2024 12:01:30	9.45	8.22	9.45	7.70	7.87	7.78	13.55
29/11/2024 12:02:31	9.47	8.21	9.47	7.68	7.85	7.77	13.56
29/11/2024 12:03:30	9.30	8.05	9.30	7.57	7.72	7.66	13.40
29/11/2024 12:04:29	9.44	8.21	9.44	7.59	7.82	7.68	13.45
29/11/2024 12:05:28	9.28	8.05	9.28	7.51	7.69	7.59	13.36
29/11/2024 12:06:29	9.40	8.18	9.40	7.60	7.81	7.69	13.45
29/11/2024 12:07:29	9.28	8.09	9.28	7.53	7.69	7.61	13.29
29/11/2024 12:08:29	9.22	8.01	9.22	7.48	7.63	7.56	13.26
29/11/2024 12:09:29	9.19	8.01	9.19	7.52	7.67	7.61	13.28
29/11/2024 12:10:28	9.11	7.88	9.11	7.48	7.53	7.56	13.09
29/11/2024 12:11:27	9.11	7.93	9.11	7.50	7.57	7.59	13.13
29/11/2024 12:12:28	9.15	7.97	9.15	7.53	7.57	7.61	13.15
29/11/2024 12:13:27	9.20	8.04	9.20	7.57	7.65	7.65	13.23
29/11/2024 12:14:26	9.07	7.87	9.07	7.42	7.49	7.50	13.08
29/11/2024 12:15:26	9.15	7.94	9.15	7.54	7.58	7.62	13.14
29/11/2024 12:16:26	9.10	7.89	9.10	7.46	7.54	7.54	13.14
29/11/2024 12:17:25	8.98	7.79	8.98	7.37	7.42	7.45	13.03

29/11/2024 12:18:25	8.89	7.71	8.89	7.26	7.34	7.35	12.95
29/11/2024 12:19:24	8.99	7.84	8.99	7.46	7.48	7.55	13.04
29/11/2024 12:20:24	8.94	7.73	8.94	7.37	7.40	7.45	13.02
29/11/2024 12:21:24	9.30	8.08	9.30	7.70	7.75	7.79	13.32
29/11/2024 12:22:23	9.31	8.08	9.31	7.62	7.74	7.71	13.39
29/11/2024 12:23:22	9.02	7.85	9.02	7.46	7.54	7.54	13.20
29/11/2024 12:24:23	9.03	7.87	9.03	7.46	7.54	7.54	13.18
29/11/2024 12:25:22	9.07	7.90	9.07	7.49	7.57	7.58	13.23
29/11/2024 12:26:22	9.18	7.98	9.18	7.48	7.65	7.57	13.30
29/11/2024 12:27:22	8.96	7.80	8.96	7.37	7.48	7.46	13.18
29/11/2024 12:28:22	9.23	8.07	9.23	7.62	7.78	7.71	13.51
29/11/2024 12:29:21	9.22	8.05	9.22	7.62	7.77	7.71	13.48
29/11/2024 12:30:21	8.84	7.70	8.84	7.30	7.44	7.39	13.17
29/11/2024 12:31:21	9.14	7.99	9.14	7.57	7.73	7.66	13.43
29/11/2024 12:32:20	8.95	7.81	8.95	7.36	7.53	7.45	13.26
29/11/2024 12:33:19	8.93	7.80	8.93	7.36	7.50	7.45	13.24
29/11/2024 12:34:20	9.28	8.17	9.28	7.67	7.86	7.76	13.65
29/11/2024 12:35:19	8.89	7.80	8.89	7.43	7.55	7.52	13.37
29/11/2024 12:36:19	9.11	8.00	9.11	7.58	7.77	7.67	13.54
29/11/2024 12:37:18	8.99	7.87	8.99	7.48	7.65	7.57	13.39
29/11/2024 12:38:17	9.05	7.97	9.05	7.47	7.72	7.56	13.48
29/11/2024 12:39:18	8.82	7.76	8.82	7.37	7.49	7.46	13.25
29/11/2024 12:40:17	8.90	7.83	8.90	7.35	7.52	7.44	13.24
29/11/2024 12:41:16	8.99	7.95	8.99	7.49	7.63	7.58	13.29
29/11/2024 12:42:16	8.70	7.65	8.70	7.17	7.35	7.26	12.99
29/11/2024 12:43:16	8.88	7.79	8.88	7.39	7.50	7.48	13.21
29/11/2024 12:44:16	9.21	8.05	9.21	7.65	7.75	7.74	13.38
29/11/2024 12:45:15	8.98	7.81	8.98	7.51	7.54	7.59	13.19
29/11/2024 12:46:14	9.12	7.95	9.12	7.58	7.62	7.67	13.21
29/11/2024 12:47:14	8.82	7.72	8.82	7.34	7.40	7.43	13.01
29/11/2024 12:48:14	8.91	7.74	8.91	7.35	7.39	7.44	13.00
29/11/2024 12:49:13	9.02	7.87	9.02	7.42	7.51	7.51	13.17
29/11/2024 12:50:13	8.89	7.77	8.89	7.33	7.43	7.42	13.07
29/11/2024 12:51:13	9.07	7.95	9.07	7.55	7.61	7.64	13.25
29/11/2024 12:52:13	9.25	8.12	9.25	7.61	7.77	7.70	13.38
29/11/2024 12:53:12	9.20	8.06	9.20	7.50	7.72	7.59	13.34
29/11/2024 12:54:12	9.29	8.17	9.29	7.52	7.81	7.62	13.39
29/11/2024 12:55:12	9.36	8.23	9.36	7.58	7.91	7.68	13.50
29/11/2024 12:56:11	9.39	8.28	9.39	7.58	7.93	7.68	13.51
29/11/2024 12:57:11	9.33	8.25	9.33	7.58	7.91	7.68	13.52
29/11/2024 12:58:10	9.44	8.33	9.44	7.63	7.97	7.72	13.55
29/11/2024 12:59:09	9.30	8.23	9.30	7.54	7.87	7.63	13.46
29/11/2024 13:00:09	9.41	8.34	9.41	7.60	7.98	7.70	13.57
29/11/2024 13:01:08	9.38	8.33	9.38	7.58	7.97	7.68	13.57

29/11/2024 13:02:08	9.48	8.43	9.48	7.64	8.08	7.73	13.68
29/11/2024 13:03:07	9.39	8.35	9.39	7.62	7.99	7.72	13.61
29/11/2024 13:04:06	9.43	8.37	9.43	7.69	8.04	7.79	13.72
29/11/2024 13:05:05	8.95	7.90	8.95	7.49	7.57	7.58	13.24
29/11/2024 13:06:05	9.09	8.00	9.09	7.49	7.71	7.59	13.46
29/11/2024 13:07:04	9.21	8.10	9.21	7.57	7.79	7.66	13.51
29/11/2024 13:08:04	9.19	8.05	9.19	7.57	7.76	7.67	13.47
29/11/2024 13:09:04	9.19	8.05	9.19	7.56	7.68	7.66	13.33
29/11/2024 13:10:04	8.87	7.82	8.87	7.40	7.49	7.49	13.09
29/11/2024 13:11:03	8.94	7.93	8.94	7.52	7.48	7.61	13.16
29/11/2024 13:12:03	8.66	7.73	8.66	7.37	7.22	7.46	13.04
29/11/2024 13:13:02	9.25	8.18	9.25	7.61	7.83	7.71	13.45
29/11/2024 13:14:01	8.97	7.91	8.97	7.33	7.51	7.43	13.16
29/11/2024 13:15:01	9.70	8.57	9.70	8.13	8.18	8.22	13.96
29/11/2024 13:16:01	9.92	8.79	9.92	8.34	8.36	8.43	13.97
29/11/2024 13:17:01	9.58	8.43	9.58	8.05	8.02	8.14	13.72
29/11/2024 13:18:01	9.42	8.31	9.42	7.91	7.88	8.01	13.62
29/11/2024 13:19:01	9.55	8.32	9.55	7.96	8.01	8.05	13.68
29/11/2024 13:20:00	9.51	8.38	9.51	7.94	8.01	8.03	13.70
29/11/2024 13:21:00	9.32	8.42	9.32	7.95	8.17	8.04	13.87
29/11/2024 13:22:00	9.67	8.64	9.67	8.01	8.35	8.10	13.88
29/11/2024 13:22:59	9.01	8.05	9.01	7.74	7.54	7.82	13.23
29/11/2024 13:23:58	8.89	7.96	8.89	7.65	7.42	7.74	13.23
29/11/2024 13:24:58	9.90	8.84	9.90	8.05	8.45	8.15	13.87
29/11/2024 13:25:58	10.11	9.07	10.11	8.12	8.66	8.23	14.21
29/11/2024 13:26:58	9.58	8.46	9.58	7.93	8.11	8.02	13.84
29/11/2024 13:27:58	9.45	8.34	9.45	7.92	7.99	8.02	13.76
29/11/2024 13:28:57	9.43	8.26	9.43	7.89	7.95	7.98	13.75
29/11/2024 13:29:57	9.29	8.15	9.29	7.67	7.79	7.77	13.58
29/11/2024 13:30:57	9.45	8.32	9.45	7.84	7.98	7.94	13.77
29/11/2024 13:31:57	9.81	8.74	9.81	7.94	8.41	8.05	14.17
29/11/2024 13:32:56	10.00	8.85	10.00	8.06	8.49	8.17	14.26
29/11/2024 13:33:56	9.99	8.77	9.99	8.02	8.35	8.12	14.14
29/11/2024 13:34:56	9.92	8.72	9.92	8.03	8.32	8.13	13.96
29/11/2024 13:35:55	10.26	9.02	10.26	8.35	8.61	8.46	14.34
29/11/2024 13:36:54	9.96	8.75	9.96	8.13	8.37	8.24	14.06
29/11/2024 13:37:54	9.64	8.44	9.64	7.93	8.04	8.04	13.76
29/11/2024 13:38:53	10.08	8.90	10.08	8.27	8.45	8.37	14.14
29/11/2024 13:39:53	9.42	8.25	9.42	7.85	7.80	7.96	13.56
29/11/2024 13:40:52	9.64	8.47	9.64	7.92	8.07	8.03	13.86
29/11/2024 13:41:51	10.37	9.26	10.37	8.11	8.78	8.23	14.42
29/11/2024 13:42:51	10.21	9.08	10.21	8.27	8.64	8.38	14.34
29/11/2024 13:43:50	10.00	8.91	10.00	8.26	8.44	8.36	14.06
29/11/2024 13:44:49	9.73	8.69	9.73	8.13	8.21	8.22	13.79

29/11/2024 13:45:49	9.54	8.50	9.54	7.99	8.01	8.08	13.53
29/11/2024 13:46:48	9.34	8.35	9.34	7.78	7.89	7.88	13.31
29/11/2024 13:47:47	9.91	8.74	9.91	8.34	8.31	8.43	13.82
29/11/2024 13:48:47	9.48	8.27	9.48	7.96	7.88	8.05	13.49
29/11/2024 13:49:46	9.57	8.40	9.57	7.95	8.00	8.05	13.62
29/11/2024 13:50:46	9.71	8.49	9.71	8.15	8.09	8.25	13.78
29/11/2024 13:51:45	9.74	8.55	9.74	8.12	8.16	8.22	13.86
29/11/2024 13:52:45	9.99	8.80	9.99	8.29	8.39	8.39	14.07
29/11/2024 13:53:45	9.80	8.59	9.80	8.29	8.14	8.39	13.84
29/11/2024 13:54:44	9.80	8.61	9.80	8.06	8.21	8.17	13.77
29/11/2024 13:55:43	9.81	8.67	9.81	8.10	8.21	8.22	14.03
29/11/2024 13:56:43	10.99	9.74	10.99	8.95	9.28	9.06	15.05
29/11/2024 13:57:43	10.08	8.88	10.08	8.25	8.43	8.36	14.45
29/11/2024 13:58:42	10.41	9.11	10.41	8.43	8.68	8.55	14.48
29/11/2024 13:59:42	10.36	9.09	10.36	8.40	8.69	8.51	14.47
29/11/2024 14:00:42	10.27	9.03	10.27	8.32	8.66	8.43	14.47
29/11/2024 14:01:41	9.93	8.75	9.93	8.16	8.34	8.27	14.16
29/11/2024 14:02:41	10.37	9.15	10.37	8.51	8.73	8.62	14.46
29/11/2024 14:03:40	10.09	8.90	10.09	8.38	8.45	8.49	14.13
29/11/2024 14:04:40	10.31	9.08	10.31	8.46	8.69	8.58	14.40
29/11/2024 14:05:40	9.95	8.75	9.95	8.29	8.35	8.40	14.01
29/11/2024 14:06:40	9.83	8.65	9.83	8.21	8.21	8.32	13.92
29/11/2024 14:07:40	10.19	8.98	10.19	8.35	8.55	8.46	14.17
29/11/2024 14:08:40	10.01	8.83	10.01	8.37	8.34	8.47	13.88
29/11/2024 14:09:40	10.61	9.42	10.61	8.80	8.95	8.91	14.55
29/11/2024 14:10:40	10.07	8.91	10.07	8.46	8.44	8.56	14.11
29/11/2024 14:11:39	10.28	9.06	10.28	8.51	8.57	8.62	14.23
29/11/2024 14:12:39	10.34	9.11	10.34	8.54	8.62	8.65	14.32
29/11/2024 14:13:38	10.29	9.02	10.29	8.53	8.56	8.64	14.36
29/11/2024 14:14:38	9.68	8.61	9.68	8.22	8.05	8.32	13.83
29/11/2024 14:15:38	10.22	9.07	10.22	8.48	8.52	8.59	14.30
29/11/2024 14:16:37	9.38	8.40	9.38	8.00	7.87	8.10	13.68
29/11/2024 14:17:37	9.48	8.50	9.48	8.11	7.91	8.21	13.69
29/11/2024 14:18:36	10.09	9.06	10.09	8.50	8.46	8.61	14.29
29/11/2024 14:19:36	10.28	9.25	10.28	8.59	8.65	8.70	14.44
29/11/2024 14:20:36	10.14	9.11	10.14	8.45	8.54	8.56	14.34
29/11/2024 14:21:35	10.10	9.08	10.10	8.44	8.48	8.55	14.32
29/11/2024 14:22:35	10.18	9.15	10.18	8.52	8.57	8.63	14.42
29/11/2024 14:23:35	10.10	9.00	10.10	8.42	8.44	8.53	14.34
29/11/2024 14:24:35	9.98	8.93	9.98	8.55	8.39	8.65	14.29
29/11/2024 14:25:35	9.77	8.73	9.77	8.35	8.24	8.45	14.15
29/11/2024 14:26:35	9.58	8.52	9.58	8.24	8.01	8.34	13.94
29/11/2024 14:27:34	9.85	8.73	9.85	8.30	8.30	8.41	14.18
29/11/2024 14:28:33	9.78	8.67	9.78	8.18	8.24	8.29	14.16

29/11/2024 14:29:34	9.46	8.34	9.48	8.16	7.96	8.26	13.96
29/11/2024 14:30:33	9.76	8.70	9.76	8.22	8.22	8.33	14.18
29/11/2024 14:31:32	9.55	8.48	9.55	8.09	8.03	8.20	13.97
29/11/2024 14:32:33	9.83	8.70	9.83	8.25	8.21	8.35	14.01
29/11/2024 14:33:32	9.90	8.81	9.90	8.24	8.32	8.35	14.19
29/11/2024 14:34:31	10.03	8.87	10.03	8.44	8.38	8.55	14.21
29/11/2024 14:35:31	10.14	8.99	10.14	8.58	8.45	8.68	14.37
29/11/2024 14:36:30	10.05	8.99	10.05	8.46	8.34	8.57	14.21
29/11/2024 14:37:30	9.87	8.80	9.87	8.33	8.19	8.43	14.10
29/11/2024 14:38:30	9.73	8.72	9.73	8.28	8.05	8.38	13.88
29/11/2024 14:39:29	9.57	8.57	9.57	8.25	7.87	8.35	13.79
29/11/2024 14:40:30	9.51	8.45	9.51	8.18	7.85	8.28	13.78
29/11/2024 14:41:30	9.69	8.63	9.69	8.27	8.08	8.38	13.97
29/11/2024 14:42:29	9.72	8.61	9.72	8.24	8.10	8.35	14.02
29/11/2024 14:43:29	10.07	8.93	10.07	8.42	8.43	8.54	14.35
29/11/2024 14:44:29	10.39	9.30	10.39	8.76	8.71	8.87	14.55
29/11/2024 14:45:28	9.86	8.73	9.86	8.36	8.21	8.47	14.14
29/11/2024 14:46:27	9.75	8.66	9.75	8.18	8.10	8.29	13.95
29/11/2024 14:47:27	9.61	8.38	9.61	8.23	7.97	8.33	13.84
29/11/2024 14:48:27	9.61	8.41	9.61	8.22	7.98	8.33	13.93
29/11/2024 14:49:26	9.90	8.68	9.90	8.33	8.24	8.44	14.21
29/11/2024 14:50:25	9.83	8.60	9.83	8.26	8.20	8.37	14.21
29/11/2024 14:51:25	10.01	8.76	10.01	8.38	8.38	8.48	14.38
29/11/2024 14:52:25	9.93	8.71	9.93	8.38	8.36	8.49	14.36
29/11/2024 14:53:25	9.91	8.87	9.91	8.34	8.31	8.46	14.35
29/11/2024 14:54:24	10.10	8.87	10.10	8.53	8.51	8.64	14.55
29/11/2024 14:55:24	10.11	8.88	10.11	8.52	8.50	8.63	14.48
29/11/2024 14:56:23	9.98	8.74	9.98	8.41	8.37	8.52	14.40
29/11/2024 14:57:23	10.24	9.02	10.24	8.59	8.64	8.71	14.64
29/11/2024 14:58:23	10.30	9.09	10.30	8.66	8.70	8.77	14.70
29/11/2024 14:59:22	10.28	9.05	10.28	8.60	8.69	8.71	14.71
29/11/2024 15:00:22	10.19	9.00	10.19	8.50	8.62	8.62	14.62
29/11/2024 15:01:21	10.23	9.01	10.23	8.55	8.66	8.66	14.61
29/11/2024 15:02:20	10.40	9.21	10.40	8.63	8.82	8.75	14.70
29/11/2024 15:03:19	10.33	9.16	10.33	8.57	8.72	8.68	14.67
29/11/2024 15:04:19	9.97	8.85	9.97	8.35	8.40	8.46	14.30
29/11/2024 15:05:18	10.04	8.84	10.04	8.47	8.42	8.56	14.31
29/11/2024 15:06:18	10.12	8.93	10.12	8.45	8.52	8.58	14.49
29/11/2024 15:07:17	10.24	9.03	10.24	8.49	8.60	8.61	14.56
29/11/2024 15:08:18	10.40	9.16	10.40	8.70	8.77	8.81	14.80
29/11/2024 15:09:17	10.25	9.08	10.25	8.62	8.64	8.73	14.58
29/11/2024 15:10:16	10.27	9.20	10.27	8.60	8.68	8.72	14.64
29/11/2024 15:11:17	9.97	8.81	9.97	8.38	8.30	8.49	14.22
29/11/2024 15:12:16	10.30	9.16	10.30	8.63	8.62	8.74	14.61

29/11/2024 15:13:15	10.86	9.59	10.86	9.30	9.12	9.40	15.14
29/11/2024 15:14:15	10.47	9.25	10.47	9.08	8.76	9.18	14.79
29/11/2024 15:15:14	10.42	9.21	10.42	9.06	8.71	9.15	14.69
29/11/2024 15:16:13	10.43	9.17	10.43	9.09	8.71	9.19	14.72
29/11/2024 15:17:12	10.36	9.10	10.36	8.99	8.62	9.09	14.64
29/11/2024 15:18:12	10.72	9.43	10.72	9.21	9.01	9.31	15.02
29/11/2024 15:19:11	10.70	9.37	10.70	9.12	8.96	9.22	14.96
29/11/2024 15:20:11	10.88	9.56	10.88	9.32	9.14	9.42	15.16
29/11/2024 15:21:10	11.08	9.99	11.08	9.48	9.16	9.58	15.21
29/11/2024 15:22:10	11.06	9.94	11.06	9.46	9.15	9.56	15.17
29/11/2024 15:23:11	10.57	9.45	10.57	9.18	8.83	9.28	14.90
29/11/2024 15:24:11	10.48	9.30	10.48	9.06	8.76	9.18	14.84
29/11/2024 15:25:10	10.52	9.21	10.52	9.10	8.70	9.20	14.85
29/11/2024 15:26:09	10.45	9.13	10.45	9.11	8.68	9.21	14.77
29/11/2024 15:27:10	10.54	9.24	10.54	9.19	8.75	9.29	14.90
29/11/2024 15:28:09	10.53	9.23	10.53	9.18	8.82	9.28	14.98
29/11/2024 15:29:08	10.36	9.10	10.36	8.93	8.70	9.04	14.89
29/11/2024 15:30:08	10.35	9.03	10.35	8.90	8.67	9.01	14.81
29/11/2024 15:31:08	10.13	8.88	10.13	8.75	8.50	8.88	14.67
29/11/2024 15:32:07	10.01	8.78	10.01	8.61	8.38	8.72	14.52
29/11/2024 15:33:06	10.16	8.95	10.16	8.75	8.55	8.88	14.70
29/11/2024 15:34:06	10.46	9.27	10.46	9.10	8.89	9.21	15.09
29/11/2024 15:35:06	10.27	9.11	10.27	8.95	8.71	9.05	14.91
29/11/2024 15:36:05	10.00	8.82	10.00	8.69	8.45	8.80	14.65
29/11/2024 15:37:05	9.94	8.71	9.94	8.60	8.34	8.71	14.49
29/11/2024 15:38:04	9.94	8.76	9.94	8.64	8.37	8.75	14.56
29/11/2024 15:39:04	9.94	8.77	9.94	8.64	8.36	8.75	14.53
29/11/2024 15:40:04	10.45	9.12	10.45	8.88	8.77	8.99	14.84
29/11/2024 15:41:04	11.06	9.91	11.08	9.35	9.37	9.47	15.38
29/11/2024 15:42:04	10.52	9.23	10.52	8.99	8.86	9.10	14.91
29/11/2024 15:43:03	10.69	9.57	10.69	9.20	9.07	9.31	15.03
29/11/2024 15:44:02	11.03	9.83	11.03	9.41	9.38	9.51	15.24
29/11/2024 15:45:02	10.50	9.32	10.50	9.00	8.89	9.11	14.92
29/11/2024 15:46:01	10.74	9.52	10.74	9.25	9.10	9.36	15.13
29/11/2024 15:47:01	10.66	9.52	10.66	9.11	9.04	9.22	14.98
29/11/2024 15:48:00	10.51	9.33	10.51	8.96	8.87	9.07	14.82
29/11/2024 15:49:00	10.62	9.41	10.62	9.12	8.95	9.22	14.86
29/11/2024 15:49:59	10.95	9.73	10.95	9.29	9.25	9.40	15.14
29/11/2024 15:50:59	10.67	9.43	10.67	9.12	8.96	9.23	14.86
29/11/2024 15:51:58	10.78	9.57	10.78	9.16	9.12	9.27	15.03
29/11/2024 15:52:58	10.73	9.58	10.73	9.15	9.05	9.26	14.90
29/11/2024 15:53:58	10.57	9.40	10.57	9.05	8.94	9.16	14.84
29/11/2024 15:54:58	10.97	9.77	10.97	9.27	9.29	9.38	15.18
29/11/2024 15:55:57	10.64	9.45	10.64	9.09	8.99	9.20	14.93

29/11/2024 15:56:57	10.90	9.68	10.90	9.23	9.19	9.35	15.10
29/11/2024 15:57:57	10.69	9.52	10.69	9.10	9.02	9.21	14.95
29/11/2024 15:58:57	10.94	9.64	10.94	9.29	9.23	9.40	15.17
29/11/2024 15:59:57	10.98	9.68	10.98	9.34	9.27	9.45	15.16
29/11/2024 16:00:56	10.82	9.53	10.82	9.29	9.13	9.40	15.09
29/11/2024 16:01:55	10.34	9.08	10.34	8.92	8.71	9.03	14.72
29/11/2024 16:02:55	10.63	9.41	10.63	9.07	8.99	9.19	14.95
29/11/2024 16:03:54	10.46	9.25	10.46	8.86	8.84	8.98	14.81
29/11/2024 16:04:54	10.73	9.57	10.73	8.99	9.13	9.11	15.07
29/11/2024 16:05:53	10.58	9.44	10.58	8.88	9.01	9.00	14.94
29/11/2024 16:06:54	10.60	9.46	10.60	8.89	9.01	9.01	14.94
29/11/2024 16:07:53	10.58	9.43	10.58	8.92	8.96	9.04	15.01
29/11/2024 16:08:52	11.01	9.89	11.01	9.25	9.41	9.38	15.40
29/11/2024 16:09:52	10.88	9.77	10.88	9.07	9.32	9.20	15.27
29/11/2024 16:10:52	10.73	9.61	10.73	8.91	9.14	9.04	15.07
29/11/2024 16:11:52	10.69	9.57	10.69	8.92	9.13	9.04	15.06
29/11/2024 16:12:51	10.73	9.62	10.73	8.90	9.16	9.03	15.06
29/11/2024 16:13:50	10.97	9.83	10.97	9.14	9.39	9.27	15.33
29/11/2024 16:14:51	11.08	9.95	11.08	9.15	9.51	9.28	15.40
29/11/2024 16:15:50	10.66	9.56	10.66	8.82	9.12	8.95	15.02
29/11/2024 16:16:50	10.99	9.88	10.99	9.21	9.44	9.34	15.34
29/11/2024 16:17:51	10.57	9.48	10.57	8.77	9.05	8.90	14.94
29/11/2024 16:18:50	10.33	9.21	10.33	8.69	8.77	8.82	14.71
29/11/2024 16:19:49	10.45	9.35	10.45	8.89	8.92	9.01	14.85
29/11/2024 16:20:49	10.08	9.03	10.08	8.57	8.59	8.70	14.60
29/11/2024 16:21:49	11.01	9.83	11.01	9.27	9.39	9.40	15.30
29/11/2024 16:22:48	10.88	9.70	10.88	9.23	9.27	9.35	15.18
29/11/2024 16:23:48	11.07	9.86	11.07	9.30	9.45	9.43	15.35
29/11/2024 16:24:47	11.00	9.78	11.00	9.27	9.36	9.40	15.21
29/11/2024 16:25:48	10.48	9.28	10.48	8.88	8.91	9.00	14.84
29/11/2024 16:26:47	10.55	9.36	10.55	8.95	8.99	9.07	14.82
29/11/2024 16:27:47	10.30	9.10	10.30	8.78	8.74	8.90	14.62
29/11/2024 16:28:46	10.57	9.39	10.57	9.02	8.99	9.14	14.82
29/11/2024 16:29:46	10.90	9.69	10.90	9.17	9.27	9.29	15.16
29/11/2024 16:30:46	10.98	9.74	10.98	9.18	9.31	9.31	15.17
29/11/2024 16:31:45	11.11	9.95	11.11	9.36	9.51	9.48	15.31
29/11/2024 16:32:44	11.15	9.98	11.15	9.38	9.53	9.50	15.36
29/11/2024 16:33:43	10.76	9.56	10.76	9.08	9.16	9.20	14.98
29/11/2024 16:34:44	10.72	9.48	10.72	9.01	9.11	9.13	15.02
29/11/2024 16:35:43	10.76	9.52	10.76	8.99	9.15	9.12	15.06
29/11/2024 16:36:42	10.94	9.72	10.94	9.19	9.32	9.31	15.16
29/11/2024 16:37:42	10.95	9.73	10.95	9.16	9.34	9.29	15.29
29/11/2024 16:38:42	11.09	9.79	11.09	9.27	9.40	9.40	15.32
29/11/2024 16:39:42	10.89	9.71	10.89	9.18	9.25	9.30	15.14

29/11/2024 16:40:41	11.10	9.88	11.10	9.25	9.41	9.38	15.27
29/11/2024 16:41:40	11.34	10.06	11.34	9.38	9.64	9.51	15.56
29/11/2024 16:42:41	11.42	10.12	11.42	9.39	9.70	9.53	15.67
29/11/2024 16:43:40	11.51	10.17	11.51	9.51	9.77	9.64	15.77
29/11/2024 16:44:39	11.17	9.96	11.17	9.30	9.53	9.43	15.52
29/11/2024 16:45:40	11.30	10.14	11.30	9.52	9.67	9.65	15.59
29/11/2024 16:46:39	11.20	9.97	11.20	9.38	9.55	9.51	15.48
29/11/2024 16:47:38	11.26	10.04	11.26	9.38	9.61	9.52	15.54
29/11/2024 16:48:38	11.21	10.00	11.21	9.38	9.59	9.51	15.45
29/11/2024 16:49:38	11.10	9.88	11.10	9.27	9.51	9.41	15.43
29/11/2024 16:50:38	11.06	9.83	11.06	9.24	9.45	9.37	15.30
29/11/2024 16:51:38	11.08	9.86	11.08	9.23	9.50	9.37	15.37
29/11/2024 16:52:38	10.95	9.75	10.95	9.20	9.40	9.33	15.23
29/11/2024 16:53:39	11.23	10.01	11.23	9.46	9.66	9.60	15.50
29/11/2024 16:54:38	11.19	9.96	11.19	9.37	9.61	9.51	15.46
29/11/2024 16:55:38	11.45	10.24	11.45	9.49	9.87	9.63	15.71
29/11/2024 16:56:39	11.36	10.12	11.36	9.38	9.75	9.52	15.61
29/11/2024 16:57:38	11.14	9.94	11.14	9.30	9.56	9.43	15.34
29/11/2024 16:58:37	11.55	10.29	11.55	9.56	9.88	9.70	15.69
29/11/2024 16:59:37	11.33	10.16	11.33	9.45	9.72	9.58	15.54
29/11/2024 17:00:36	11.58	10.35	11.58	9.64	9.92	9.78	15.73
29/11/2024 17:01:36	11.25	10.14	11.25	9.44	9.63	9.57	15.39
29/11/2024 17:02:36	11.70	10.50	11.70	9.72	10.02	9.88	15.84
29/11/2024 17:03:35	11.98	10.76	11.98	9.87	10.30	10.02	16.12
29/11/2024 17:04:35	12.06	10.80	12.06	9.95	10.30	10.09	16.12
29/11/2024 17:05:34	11.63	10.46	11.63	9.67	10.02	9.81	15.86
29/11/2024 17:06:34	11.48	10.24	11.48	9.58	9.84	9.71	15.67
29/11/2024 17:07:34	11.55	10.33	11.55	9.66	9.91	9.80	15.74
29/11/2024 17:08:33	11.73	10.52	11.73	9.73	10.05	9.86	15.86
29/11/2024 17:09:33	11.54	10.34	11.54	9.72	9.92	9.85	15.76
29/11/2024 17:10:33	11.34	10.11	11.34	9.49	9.71	9.63	15.59
29/11/2024 17:11:34	11.32	10.12	11.32	9.45	9.73	9.59	15.64
29/11/2024 17:12:33	11.50	10.29	11.50	9.61	9.90	9.75	15.79
29/11/2024 17:13:32	11.63	10.45	11.63	9.70	10.02	9.84	15.89
29/11/2024 17:14:32	11.67	10.40	11.67	9.76	10.01	9.90	15.85
29/11/2024 17:15:31	11.78	10.48	11.78	9.76	10.11	9.90	15.97
29/11/2024 17:16:30	11.72	10.41	11.72	9.66	10.04	9.81	15.95
29/11/2024 17:17:31	11.84	10.53	11.84	9.77	10.15	9.91	16.00
29/11/2024 17:18:31	12.00	10.71	12.00	9.84	10.34	9.98	16.17
29/11/2024 17:19:30	12.16	10.86	12.16	10.00	10.47	10.15	16.31
29/11/2024 17:20:30	11.99	10.67	11.99	9.75	10.31	9.91	16.17
29/11/2024 17:21:29	11.71	10.50	11.71	9.68	10.09	9.82	15.93
29/11/2024 17:22:28	11.27	10.13	11.27	9.37	9.66	9.52	15.59
29/11/2024 17:23:27	11.32	10.16	11.32	9.31	9.71	9.45	15.57

29/11/2024 17:24:27	11.82	10.58	11.82	9.61	10.14	9.76	15.98
29/11/2024 17:25:27	11.72	10.51	11.72	9.57	10.07	9.72	15.93
29/11/2024 17:26:27	11.98	10.71	11.98	9.74	10.30	9.89	16.10
29/11/2024 17:27:27	12.24	10.94	12.24	9.87	10.54	10.03	16.36
29/11/2024 17:28:26	12.25	10.95	12.25	9.84	10.53	10.00	16.36
29/11/2024 17:29:25	11.95	10.62	11.95	9.78	10.28	9.93	16.13
29/11/2024 17:30:26	11.89	10.55	11.89	9.69	10.22	9.85	16.08
29/11/2024 17:31:25	11.87	10.53	11.87	9.67	10.20	9.82	16.06
29/11/2024 17:32:24	12.10	10.77	12.10	9.94	10.45	10.09	16.30
29/11/2024 17:33:24	12.22	10.87	12.22	9.77	10.51	9.93	16.36
29/11/2024 17:34:24	12.12	10.75	12.12	9.67	10.41	9.83	16.22
29/11/2024 17:35:24	12.15	10.86	12.15	9.80	10.50	9.96	16.32
29/11/2024 17:36:24	11.95	10.59	11.95	9.65	10.28	9.81	16.07
29/11/2024 17:37:23	12.13	10.80	12.13	9.76	10.47	9.92	16.34
29/11/2024 17:38:22	12.21	10.87	12.21	9.88	10.52	10.02	16.37
29/11/2024 17:39:21	12.23	10.96	12.23	9.74	10.58	9.91	16.37
29/11/2024 17:40:21	12.06	10.80	12.06	9.68	10.41	9.65	16.20
29/11/2024 17:41:20	12.07	10.77	12.07	9.69	10.41	9.85	16.18
29/11/2024 17:42:20	12.27	10.97	12.27	9.68	10.57	9.86	16.44
29/11/2024 17:43:19	12.19	10.90	12.19	9.67	10.50	9.85	16.40
29/11/2024 17:44:20	12.05	10.75	12.05	9.70	10.42	9.87	16.30
29/11/2024 17:45:19	12.13	10.83	12.13	9.71	10.47	9.88	16.34
29/11/2024 17:46:18	12.27	10.94	12.27	9.70	10.58	9.88	16.40
29/11/2024 17:47:18	12.28	10.98	12.28	9.91	10.61	10.07	16.47
29/11/2024 17:48:18	12.44	11.12	12.44	9.83	10.76	10.00	16.55
29/11/2024 17:49:18	12.15	10.83	12.15	9.73	10.49	9.90	16.34
29/11/2024 17:50:18	12.10	10.78	12.10	9.70	10.44	9.87	16.33
29/11/2024 17:51:18	12.35	11.02	12.35	9.87	10.67	10.04	16.51
29/11/2024 17:52:17	12.32	11.02	12.32	9.73	10.66	9.90	16.48
29/11/2024 17:53:16	12.42	11.09	12.42	9.74	10.73	9.92	16.57
29/11/2024 17:54:16	12.54	11.22	12.54	9.86	10.86	10.04	16.65
29/11/2024 17:55:15	12.30	11.00	12.30	9.78	10.65	9.95	16.46
29/11/2024 17:56:16	12.19	10.91	12.19	9.72	10.56	9.89	16.39
29/11/2024 17:57:16	12.63	11.33	12.63	10.08	10.97	10.25	16.79
29/11/2024 17:58:15	12.36	11.04	12.36	9.86	10.71	10.03	16.53
29/11/2024 17:59:15	12.68	11.35	12.68	9.98	10.99	10.16	16.80
29/11/2024 18:00:14	12.85	11.32	12.65	9.93	10.96	10.11	16.76
29/11/2024 18:01:13	12.54	11.20	12.54	9.84	10.85	10.02	16.65
29/11/2024 18:02:14	12.63	11.29	12.63	9.89	10.93	10.07	16.73
29/11/2024 18:03:13	12.72	11.39	12.72	9.97	11.04	10.15	16.84
29/11/2024 18:04:13	12.68	11.33	12.68	9.91	10.98	10.09	16.75
29/11/2024 18:05:13	12.78	11.41	12.76	9.90	11.05	10.09	16.80
29/11/2024 18:06:13	12.96	11.63	12.96	10.08	11.25	10.27	17.00
29/11/2024 18:07:13	12.85	11.51	12.85	9.92	11.13	10.10	16.87

29/11/2024 18:08:13	13.01	11.67	13.01	10.03	11.28	10.22	16.98
29/11/2024 18:09:12	12.99	11.64	12.99	9.95	11.24	10.14	16.94
29/11/2024 18:10:12	13.15	11.80	13.15	10.11	11.40	10.30	17.10
29/11/2024 18:11:12	13.19	11.83	13.19	10.16	11.43	10.35	17.14
29/11/2024 18:12:11	13.15	11.80	13.15	10.06	11.40	10.27	17.10
29/11/2024 18:13:11	12.83	11.46	12.83	9.93	11.14	10.12	16.89
29/11/2024 18:14:10	12.82	11.45	12.82	9.87	11.12	10.06	16.88
29/11/2024 18:15:10	12.59	11.28	12.59	9.72	10.94	9.91	16.69
29/11/2024 18:16:10	12.87	11.54	12.87	9.89	11.17	10.08	16.89
29/11/2024 18:17:09	12.77	11.47	12.77	9.78	11.11	9.97	16.83
29/11/2024 18:18:08	12.97	11.63	12.97	9.89	11.26	10.09	16.96
29/11/2024 18:19:08	12.97	11.63	12.97	9.92	11.25	10.11	16.94
29/11/2024 18:20:07	12.91	11.57	12.91	9.85	11.19	10.04	16.90
29/11/2024 18:21:07	13.04	11.70	13.04	9.86	11.32	10.06	17.02
29/11/2024 18:22:06	13.17	11.84	13.17	9.94	11.45	10.14	17.12
29/11/2024 18:23:05	12.99	11.64	12.99	9.88	11.28	10.07	16.98
29/11/2024 18:24:05	12.83	11.46	12.83	9.89	11.12	10.08	16.90
29/11/2024 18:25:05	13.07	11.63	13.07	10.02	11.31	10.21	17.07
29/11/2024 18:26:04	13.10	11.64	13.10	10.04	11.33	10.23	17.10
29/11/2024 18:27:04	12.96	11.55	12.96	9.93	11.18	10.12	16.98
29/11/2024 18:28:03	13.07	11.66	13.07	10.03	11.29	10.22	17.08
29/11/2024 18:29:02	12.97	11.58	12.97	9.94	11.20	10.14	16.99
29/11/2024 18:30:03	13.11	11.71	13.11	10.10	11.33	10.29	17.12
29/11/2024 18:31:02	13.05	11.66	13.05	10.03	11.28	10.22	17.10
29/11/2024 18:32:01	13.14	11.73	13.14	10.09	11.34	10.28	17.15
29/11/2024 18:33:02	13.09	11.68	13.09	10.08	11.28	10.26	17.09
29/11/2024 18:34:01	13.20	11.78	13.20	10.13	11.39	10.32	17.20
29/11/2024 18:35:01	13.16	11.74	13.16	10.10	11.35	10.29	17.15
29/11/2024 18:36:00	13.19	11.76	13.19	10.12	11.37	10.32	17.18
29/11/2024 18:37:01	13.26	11.88	13.28	10.19	11.47	10.39	17.24
29/11/2024 18:38:01	13.22	11.81	13.22	10.14	11.40	10.33	17.18
29/11/2024 18:39:00	13.21	11.80	13.21	10.10	11.38	10.30	17.16
29/11/2024 18:40:00	13.41	12.01	13.41	10.32	11.58	10.52	17.35
29/11/2024 18:41:00	13.34	11.96	13.34	10.30	11.51	10.49	17.30
29/11/2024 18:42:00	13.30	11.89	13.30	10.25	11.46	10.44	17.24
29/11/2024 18:42:59	13.36	11.97	13.36	10.26	11.52	10.45	17.31
29/11/2024 18:43:59	13.48	12.06	13.48	10.11	11.64	10.32	17.39
29/11/2024 18:44:59	13.42	11.97	13.42	10.01	11.55	10.23	17.32
29/11/2024 18:45:58	13.46	12.03	13.46	10.06	11.59	10.27	17.35
29/11/2024 18:46:58	13.42	11.99	13.42	10.02	11.55	10.23	17.30
29/11/2024 18:47:58	13.45	12.02	13.45	10.04	11.57	10.25	17.32
29/11/2024 18:48:57	13.39	11.96	13.39	10.04	11.51	10.25	17.27
29/11/2024 18:49:57	13.47	12.02	13.47	10.06	11.58	10.27	17.34
29/11/2024 18:50:56	13.49	12.05	13.49	10.10	11.61	10.31	17.37

29/11/2024 18:51:56	13.51	12.05	13.51	10.12	11.63	10.34	17.39
29/11/2024 18:52:55	13.46	12.01	13.46	10.08	11.58	10.29	17.35
29/11/2024 18:53:55	13.50	12.05	13.50	10.06	11.62	10.28	17.37
29/11/2024 18:54:55	13.48	12.02	13.48	10.10	11.61	10.31	17.39
29/11/2024 18:55:54	13.30	11.85	13.30	10.03	11.45	10.24	17.26
29/11/2024 18:56:53	13.02	11.61	13.02	9.86	11.19	10.07	17.01
29/11/2024 18:57:53	13.00	11.58	13.00	9.82	11.17	10.03	17.00
29/11/2024 18:58:53	13.09	11.67	13.09	9.90	11.25	10.11	17.08
29/11/2024 18:59:53	13.07	11.65	13.07	9.89	11.24	10.10	17.07
29/11/2024 19:00:53	12.75	11.39	12.75	9.78	10.94	9.98	16.78
29/11/2024 19:01:52	13.00	11.64	13.00	9.83	11.17	10.04	16.97
29/11/2024 19:02:52	13.04	11.73	13.04	9.83	11.21	10.04	17.02
29/11/2024 19:03:52	13.18	11.85	13.18	9.91	11.34	10.12	17.11
29/11/2024 19:04:51	12.90	11.60	12.90	9.78	11.12	9.98	16.96
29/11/2024 19:05:50	12.71	11.41	12.71	9.77	10.96	9.98	16.84
29/11/2024 19:06:50	12.83	11.58	12.83	9.85	11.11	10.05	16.98
29/11/2024 19:07:49	13.03	11.74	13.03	9.90	11.26	10.11	17.11
29/11/2024 19:08:49	12.94	11.64	12.94	9.85	11.19	10.06	17.05
29/11/2024 19:09:48	12.72	11.44	12.72	9.71	10.99	9.92	16.88
29/11/2024 19:10:47	12.81	11.41	12.81	9.88	11.06	10.08	16.98
29/11/2024 19:11:47	12.66	11.33	12.66	9.73	10.98	9.94	16.94
29/11/2024 19:12:48	12.80	11.45	12.80	9.77	11.08	9.98	17.03
29/11/2024 19:13:47	12.77	11.39	12.77	9.79	11.07	10.00	16.97
29/11/2024 19:14:46	12.85	11.44	12.85	9.75	11.07	9.97	17.03
29/11/2024 19:15:46	12.26	11.00	12.26	9.47	10.85	9.68	16.67
29/11/2024 19:16:45	13.22	11.76	13.22	9.83	11.41	10.05	17.29
29/11/2024 19:17:45	13.47	12.02	13.47	9.67	11.65	10.12	17.51
29/11/2024 19:18:45	13.40	12.00	13.40	9.83	11.58	10.08	17.47
29/11/2024 19:19:44	13.63	12.17	13.63	9.85	11.81	10.10	17.59
29/11/2024 19:20:43	13.69	12.24	13.69	9.92	11.86	10.17	17.66
29/11/2024 19:21:44	13.42	12.00	13.42	9.83	11.59	10.08	17.41
29/11/2024 19:22:43	13.78	12.27	13.78	9.82	11.89	10.08	17.71
29/11/2024 19:23:43	13.80	12.30	13.80	9.94	11.93	10.20	17.81
29/11/2024 19:24:43	13.93	12.43	13.93	9.88	11.99	10.13	17.79
29/11/2024 19:25:42	13.91	12.39	13.91	9.91	11.96	10.17	17.76
29/11/2024 19:26:42	13.91	12.41	13.91	9.89	11.99	10.16	17.78
29/11/2024 19:27:41	13.85	12.36	13.85	9.92	11.93	10.18	17.78
29/11/2024 19:28:41	14.29	12.79	14.29	10.15	12.33	10.41	18.09
29/11/2024 19:29:41	13.96	12.52	13.96	10.07	12.11	10.32	17.90
29/11/2024 19:30:40	16.21	14.42	16.21	10.19	13.84	10.56	19.25
29/11/2024 19:31:40	16.77	14.89	16.77	10.31	14.22	10.71	19.53
29/11/2024 19:32:40	17.12	15.14	17.12	10.48	14.41	10.89	19.68
29/11/2024 19:33:39	17.40	15.32	17.40	10.52	14.53	10.95	19.73
29/11/2024 19:34:38	17.66	15.57	17.66	10.70	14.74	11.13	19.74

29/11/2024 19:35:38	17.12	15.23	17.12	10.51	14.50	10.91	19.46
29/11/2024 19:36:37	18.08	15.94	18.08	10.90	15.08	11.31	19.64
29/11/2024 19:37:36	20.02	17.54	20.02	11.72	16.54	12.17	20.76
29/11/2024 19:38:36	18.90	16.61	18.90	11.35	15.69	11.77	20.12
29/11/2024 19:39:35	22.54	19.71	22.54	12.78	18.50	13.24	22.12
29/11/2024 19:40:34	24.04	20.96	24.04	13.34	19.72	13.83	23.14
29/11/2024 19:41:34	24.51	21.43	24.51	13.47	20.27	13.98	23.63
29/11/2024 19:42:33	24.66	21.54	24.66	13.47	20.64	13.99	23.95
29/11/2024 19:43:33	24.26	21.05	24.26	13.32	19.34	13.83	23.09
29/11/2024 19:44:32	25.26	21.74	25.26	13.83	20.06	14.35	23.54
29/11/2024 19:45:32	27.30	23.53	27.30	14.73	21.69	15.27	24.41
29/11/2024 19:46:31	26.97	23.17	26.97	14.26	21.73	14.81	24.56
29/11/2024 19:47:32	27.60	23.67	27.60	14.51	22.18	15.07	24.80
29/11/2024 19:48:31	26.67	22.94	26.67	14.05	21.51	14.60	24.41
29/11/2024 19:49:31	27.05	23.23	27.05	14.34	21.78	14.89	24.48
29/11/2024 19:50:31	27.15	23.36	27.15	14.38	21.80	14.91	24.41
29/11/2024 19:51:31	27.47	23.61	27.47	14.46	22.03	15.01	24.51

ZONA 6: 25/10/2024

Time	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8	Point 9	Point 10	Point 11	Point 12
X (m)	763707.79	763707.79	763706.54	763707.79	763706.54	763707.79	763706.54	763707.79	763706.54	763707.79	763706.54	763707.79
Y (m)	925219.218	925219.343	925219.468	925219.468	925219.593	925219.593	925219.718	925219.718	925219.843	925219.843	925219.968	925219.968
Z (m)	3777.98	3777.38	3775.20	3776.71	3774.39	3775.87	3773.44	3775.02	3772.63	3774.31	3772.08	3773.78
25/10/2024 00:00:53	10.13	9.95	14.53	10.54	12.50	17.13	4.16	19.43	4.49	17.76	4.36	15.37
25/10/2024 00:01:53	10.04	9.86	14.52	10.44	12.51	17.41	4.17	19.88	4.48	18.15	4.37	15.67
25/10/2024 00:02:52	10.13	9.95	14.59	10.54	12.56	17.03	4.16	19.23	4.40	17.54	4.31	15.11
25/10/2024 00:03:52	10.31	10.13	14.76	10.73	12.76	17.00	4.44	19.16	4.74	17.54	4.63	15.22
25/10/2024 00:04:51	10.06	9.90	14.76	10.40	12.72	17.11	4.28	19.49	4.60	17.82	4.48	15.43
25/10/2024 00:05:51	10.10	9.93	14.60	10.48	12.57	16.36	4.18	18.32	4.44	16.74	4.34	14.49
25/10/2024 00:06:50	10.12	9.95	14.63	10.50	12.59	16.37	4.19	18.34	4.50	16.80	4.38	14.58
25/10/2024 00:07:50	10.34	10.18	14.83	10.72	12.77	16.29	4.31	18.11	4.60	16.60	4.49	14.43
25/10/2024 00:08:49	10.31	10.15	14.91	10.66	12.86	15.94	4.37	17.62	4.63	16.15	4.53	14.05
25/10/2024 00:09:49	10.18	10.02	14.85	10.53	12.81	15.70	4.35	17.37	4.63	15.95	4.52	13.91
25/10/2024 00:10:48	10.18	10.02	14.88	10.54	12.84	15.49	4.38	17.01	4.56	15.58	4.49	13.53
25/10/2024 00:11:48	10.42	10.25	14.89	10.81	12.83	15.65	4.32	17.10	4.53	15.67	4.45	13.61
25/10/2024 00:12:47	10.34	10.14	14.85	10.77	12.83	15.52	4.37	16.92	4.57	15.51	4.50	13.49
25/10/2024 00:13:47	10.36	10.17	14.91	10.76	12.85	15.29	4.29	16.58	4.48	15.19	4.41	13.20
25/10/2024 00:14:46	10.41	10.24	14.97	10.77	12.85	14.96	4.18	16.06	4.33	14.70	4.28	12.76
25/10/2024 00:15:45	10.51	10.34	15.07	10.91	13.00	15.16	4.41	16.29	4.55	14.93	4.50	12.97
25/10/2024 00:16:45	10.63	10.46	15.25	11.00	13.16	15.06	4.52	16.09	4.62	14.74	4.58	12.81
25/10/2024 00:17:44	10.71	10.55	15.31	11.07	13.19	15.19	4.50	16.26	4.63	14.90	4.58	12.96
25/10/2024 00:18:44	10.65	10.48	15.16	11.01	13.05	14.72	4.42	15.57	4.49	14.25	4.46	12.37
25/10/2024 00:19:44	10.42	10.26	15.03	10.78	12.91	14.78	4.22	15.78	4.33	14.44	4.29	12.51
25/10/2024 00:20:43	10.78	10.63	15.45	11.12	13.31	15.01	4.56	15.93	4.62	14.58	4.60	12.64
25/10/2024 00:21:43	10.63	10.47	15.29	11.00	13.17	14.90	4.47	15.83	4.54	14.49	4.52	12.57
25/10/2024 00:22:42	11.02	10.84	15.46	11.41	13.30	15.13	4.51	15.93	4.54	14.56	4.53	12.80
25/10/2024 00:23:42	10.92	10.76	15.53	11.29	13.39	15.19	4.62	16.09	4.67	14.73	4.65	12.77
25/10/2024 00:24:41	11.53	11.36	16.16	11.90	14.03	15.68	5.30	16.51	5.29	15.15	5.30	13.20
25/10/2024 00:25:41	11.27	11.11	16.03	11.62	13.90	15.42	5.17	16.29	5.17	14.94	5.17	13.01
25/10/2024 00:26:40	10.96	10.81	15.70	11.29	13.54	15.14	4.72	16.01	4.71	14.63	4.72	12.67
25/10/2024 00:27:40	11.14	10.96	15.63	11.54	13.51	15.28	4.79	16.09	4.80	14.72	4.80	12.77
25/10/2024 00:28:39	11.10	10.93	15.71	11.48	13.57	15.33	4.79	16.18	4.80	14.81	4.80	12.83
25/10/2024 00:29:39	11.31	11.14	15.93	11.68	13.80	15.47	5.05	16.33	5.08	14.97	5.07	13.03
25/10/2024 00:30:38	11.43	11.25	15.93	11.83	13.78	15.52	4.97	16.28	4.96	14.90	4.96	12.92
25/10/2024 00:31:38	11.06	10.89	15.81	11.44	13.70	15.38	4.93	16.31	4.94	14.93	4.93	12.96
25/10/2024 00:32:37	11.19	11.03	15.90	11.54	13.74	15.31	4.92	16.13	4.91	14.76	4.91	12.81
25/10/2024 00:33:37	11.29	11.12	15.89	11.65	13.73	15.39	4.90	16.17	4.87	14.78	4.88	12.80
25/10/2024 00:34:36	11.14	10.97	15.80	11.51	13.66	15.23	4.86	16.01	4.81	14.63	4.83	12.66
25/10/2024 00:35:36	11.00	10.83	15.73	11.37	13.59	15.21	4.78	16.07	4.76	14.69	4.77	12.71
25/10/2024 00:36:35	11.42	11.26	16.16	11.79	14.02	15.56	5.21	16.37	5.18	15.00	5.19	13.04
25/10/2024 00:37:35	11.37	11.20	16.10	11.76	13.99	15.58	5.23	16.43	5.22	15.07	5.23	13.11
25/10/2024 00:38:34	11.38	11.23	16.10	11.73	13.92	15.39	5.03	16.12	4.98	14.75	5.00	12.78

25/10/2024 00:39:34	11.19	11.00	15.96	11.57	13.80	15.30	4.92	16.08	4.87	14.70	4.89	12.72
25/10/2024 00:40:33	11.21	11.05	15.98	11.57	13.81	15.31	4.91	16.09	4.86	14.71	4.88	12.73
25/10/2024 00:41:33	11.50	11.33	16.12	11.88	13.93	15.40	4.99	16.04	4.92	14.66	4.95	12.68
25/10/2024 00:42:32	11.42	11.25	16.13	11.80	13.95	15.39	5.03	16.07	4.94	14.68	4.97	12.70
25/10/2024 00:43:32	11.27	11.11	16.12	11.64	13.97	15.27	5.11	16.00	5.02	14.62	5.06	12.66
25/10/2024 00:44:31	11.27	11.11	16.15	11.63	13.98	15.30	5.03	16.04	4.95	14.66	4.96	12.69
25/10/2024 00:45:30	11.52	11.34	16.22	11.91	14.06	15.47	5.17	16.14	5.08	14.76	5.11	12.78
25/10/2024 00:46:30	11.69	11.52	16.44	12.05	14.25	15.56	5.29	16.19	5.18	14.80	5.22	12.82
25/10/2024 00:47:28	11.44	11.28	16.33	11.80	14.16	15.41	5.23	16.11	5.12	14.72	5.16	12.74
25/10/2024 00:48:29	11.70	11.55	16.50	12.05	14.29	15.58	5.31	16.23	5.19	14.84	5.24	12.85
25/10/2024 00:49:28	11.91	11.75	16.71	12.27	14.47	15.71	5.37	16.29	5.24	14.89	5.29	12.89
25/10/2024 00:50:27	11.69	11.53	16.63	12.06	14.46	15.65	5.58	16.33	5.43	14.95	5.46	12.96
25/10/2024 00:51:27	11.77	11.62	16.71	12.12	14.48	15.59	5.37	16.18	5.22	14.79	5.27	12.79
25/10/2024 00:52:27	11.91	11.76	16.82	12.25	14.59	15.88	5.48	16.17	5.30	14.77	5.37	12.77
25/10/2024 00:53:26	11.90	11.74	16.80	12.27	14.61	15.74	5.62	16.34	5.45	14.95	5.51	12.95
25/10/2024 00:54:25	11.92	11.77	16.87	12.25	14.65	15.72	5.57	16.32	5.41	14.93	5.47	12.93
25/10/2024 00:55:25	11.71	11.55	16.71	12.06	14.51	15.61	5.46	16.26	5.31	14.86	5.37	12.87
25/10/2024 00:56:24	11.80	11.65	16.80	12.15	14.57	15.58	5.43	16.15	5.26	14.75	5.33	12.75
25/10/2024 00:57:24	11.97	11.81	16.87	12.34	14.68	15.68	5.68	16.19	5.46	14.79	5.55	12.80
25/10/2024 00:58:24	11.71	11.56	16.85	12.05	14.67	15.64	5.65	16.32	5.48	14.93	5.54	12.94
25/10/2024 00:59:23	11.90	11.76	16.91	12.23	14.65	15.59	5.47	16.10	5.26	14.70	5.34	12.69
25/10/2024 01:00:23	11.60	11.45	16.81	11.94	14.67	15.47	5.77	16.11	5.53	14.72	5.62	12.72
25/10/2024 01:01:22	11.91	11.76	16.94	12.26	14.73	15.59	5.63	16.09	5.40	14.70	5.49	12.70
25/10/2024 01:02:22	11.95	11.80	17.05	12.29	14.84	15.62	5.73	16.11	5.48	14.71	5.57	12.70
25/10/2024 01:03:21	12.07	11.91	17.20	12.42	15.02	15.83	5.99	16.38	5.74	14.98	5.83	12.98
25/10/2024 01:04:21	12.14	11.96	17.20	12.51	15.04	15.90	6.08	16.43	5.83	15.04	5.92	13.04
25/10/2024 01:05:20	12.08	11.91	17.17	12.44	14.99	15.77	5.94	16.27	5.68	14.87	5.77	12.86
25/10/2024 01:06:20	12.08	11.92	17.17	12.44	14.96	15.77	5.80	16.28	5.57	14.88	5.66	12.88
25/10/2024 01:07:20	11.93	11.79	17.19	12.26	14.99	15.65	5.88	16.18	5.60	14.77	5.70	12.76
25/10/2024 01:08:19	11.94	11.79	17.16	12.29	14.97	15.67	5.86	16.19	5.59	14.79	5.69	12.78
25/10/2024 01:09:19	11.77	11.61	17.02	12.12	14.93	15.51	6.10	16.04	5.75	14.64	5.88	12.63
25/10/2024 01:10:18	12.04	11.87	17.07	12.42	14.91	15.58	5.92	15.95	5.58	14.54	5.70	12.52
25/10/2024 01:11:18	12.18	12.02	17.32	12.53	15.15	15.77	6.13	16.21	5.82	14.81	5.93	12.81
25/10/2024 01:12:17	12.02	11.88	17.62	12.32	15.54	15.81	6.74	15.40	6.32	15.00	6.46	12.98
25/10/2024 01:13:17	12.87	12.69	17.91	13.28	15.85	16.38	7.12	16.71	6.66	15.30	6.64	13.27
25/10/2024 01:14:16	12.66	12.49	17.86	13.04	15.77	16.17	6.97	16.53	6.51	15.12	6.68	13.10
25/10/2024 01:15:16	12.55	12.38	17.71	12.93	15.53	16.06	6.45	16.42	6.11	15.02	6.24	13.01
25/10/2024 01:16:15	12.60	12.43	17.79	12.99	15.71	16.17	6.91	16.56	6.48	15.16	6.65	13.14
25/10/2024 01:17:15	12.64	12.47	17.85	13.02	15.79	16.20	7.06	16.59	6.60	15.18	6.77	13.16
25/10/2024 01:18:15	12.50	12.33	17.77	12.87	15.66	16.10	6.78	16.52	6.37	15.10	6.52	13.08
25/10/2024 01:19:14	12.41	12.25	17.75	12.79	15.77	16.08	7.20	16.55	6.71	15.14	6.89	13.13
25/10/2024 01:20:14	12.98	12.78	18.14	13.36	16.16	16.45	7.66	16.77	7.12	15.36	7.33	13.33
25/10/2024 01:21:13	13.03	12.87	18.28	13.41	16.25	16.53	7.62	16.88	7.10	15.47	7.29	13.44
25/10/2024 01:22:13	13.30	13.13	18.55	13.67	16.56	16.72	8.03	17.01	7.44	15.60	7.46	13.57

25/10/2024 01:23:12	12.93	12.77	18.34	13.28	16.35	16.42	7.79	16.78	7.21	15.37	7.43	13.34
25/10/2024 01:24:12	13.21	13.04	18.50	13.59	16.62	16.70	8.43	17.03	7.74	15.61	8.00	13.57
25/10/2024 01:25:11	13.20	13.04	18.57	13.57	16.67	16.63	8.41	16.93	7.71	15.51	7.97	13.47
25/10/2024 01:26:11	13.16	13.00	18.54	13.50	16.61	16.57	8.31	16.86	7.61	15.43	7.88	13.39
25/10/2024 01:27:11	13.13	12.95	18.44	13.52	16.52	16.63	8.17	16.97	7.54	15.55	7.78	13.52
25/10/2024 01:28:10	12.93	12.77	18.37	13.29	16.48	16.40	8.20	16.73	7.50	15.30	7.76	13.27
25/10/2024 01:29:10	13.11	12.95	18.50	13.47	16.63	16.50	8.45	16.92	7.74	15.50	8.01	13.46
25/10/2024 01:30:09	13.55	13.38	18.92	13.91	17.13	16.93	9.19	17.18	8.37	15.76	8.68	13.71
25/10/2024 01:31:09	13.42	13.25	18.73	13.80	16.89	16.81	8.82	17.07	8.05	15.64	8.34	13.60
25/10/2024 01:32:08	13.50	13.35	18.99	13.85	17.18	16.83	9.22	17.06	8.36	15.63	8.68	13.58
25/10/2024 01:33:08	13.41	13.25	18.93	13.75	17.18	16.85	9.37	17.16	8.51	15.74	8.83	13.69
25/10/2024 01:34:07	13.34	13.19	18.89	13.68	17.15	16.73	9.37	17.00	8.46	15.56	8.80	13.51
25/10/2024 01:35:07	13.28	13.12	18.86	13.63	17.11	16.65	9.27	16.89	8.35	15.46	8.69	13.40
25/10/2024 01:36:07	13.31	13.16	18.89	13.64	17.24	16.64	9.74	16.88	8.72	15.45	9.10	13.40
25/10/2024 01:37:06	13.23	13.08	18.90	13.56	17.23	16.54	9.62	16.76	8.59	15.31	8.98	13.25
25/10/2024 01:38:06	13.32	13.16	18.95	13.66	17.29	16.62	9.71	16.64	8.68	15.40	9.07	13.35
25/10/2024 01:39:05	13.29	13.14	18.92	13.64	17.25	16.66	9.63	16.90	8.64	15.47	9.01	13.41
25/10/2024 01:40:05	13.48	13.33	19.13	13.83	17.45	16.76	9.81	16.95	8.77	15.51	9.16	13.45
25/10/2024 01:41:04	13.45	13.30	19.17	13.78	17.53	16.78	10.00	17.01	8.94	15.57	9.34	13.51
25/10/2024 01:42:04	13.39	13.25	19.18	13.71	17.57	16.88	10.13	16.88	9.00	15.43	9.43	13.36
25/10/2024 01:43:03	13.52	13.37	19.30	13.84	17.69	16.77	10.26	16.94	9.11	15.49	9.54	13.42
25/10/2024 01:44:03	13.54	13.40	19.36	13.87	17.74	16.82	10.27	17.02	9.14	15.57	9.56	13.51
25/10/2024 01:45:02	13.45	13.30	19.26	13.77	17.66	16.69	10.24	16.85	9.08	15.40	9.51	13.33
25/10/2024 01:46:02	13.58	13.45	19.46	13.89	17.83	16.75	10.34	16.87	9.16	15.42	9.60	13.35
25/10/2024 01:47:01	14.02	13.88	19.82	14.35	18.20	17.20	10.72	17.32	9.54	15.87	9.99	13.78
25/10/2024 01:48:01	13.82	13.68	19.70	14.13	18.10	16.97	10.70	17.07	9.47	15.62	9.93	13.53
25/10/2024 01:49:00	13.81	13.66	19.70	14.12	18.11	16.99	10.74	17.12	9.51	15.66	9.97	13.58
25/10/2024 01:50:00	13.66	13.52	19.61	13.96	18.01	16.89	10.58	17.05	9.37	15.60	9.82	13.52
25/10/2024 01:51:00	13.82	13.69	19.84	14.12	18.24	17.02	10.80	17.17	9.57	15.71	10.03	13.62
25/10/2024 01:51:59	13.79	13.65	19.83	14.08	18.23	16.93	10.77	17.03	9.51	15.57	9.98	13.48
25/10/2024 01:52:58	13.84	13.71	19.94	14.13	18.33	16.97	10.84	17.08	9.57	15.62	10.05	13.52
25/10/2024 01:53:58	13.65	13.52	19.74	13.93	18.12	16.77	10.63	16.88	9.36	15.42	9.84	13.32
25/10/2024 01:54:57	13.79	13.65	19.83	14.08	18.21	16.84	10.71	16.90	9.44	15.44	9.92	13.35
25/10/2024 01:55:57	13.86	13.74	20.02	14.14	18.38	16.92	10.82	16.98	9.53	15.52	10.01	13.42
25/10/2024 01:56:56	13.92	13.79	20.07	14.20	18.46	16.96	10.93	17.01	9.62	15.54	10.11	13.44
25/10/2024 01:57:56	14.04	13.91	20.25	14.31	18.61	17.11	11.03	17.17	9.73	15.71	10.22	13.61
25/10/2024 01:58:56	14.43	14.29	20.48	14.73	18.86	17.43	11.33	17.43	10.02	15.96	10.51	13.86
25/10/2024 01:59:55	14.37	14.25	20.59	14.64	18.96	17.42	11.37	17.48	10.07	16.01	10.56	13.91
25/10/2024 02:00:55	14.21	14.09	20.47	14.49	18.85	17.21	11.27	17.23	9.93	15.76	10.43	13.66
25/10/2024 02:01:54	14.39	14.27	20.58	14.68	18.96	17.37	11.38	17.37	10.05	15.90	10.55	13.80
25/10/2024 02:02:54	14.66	14.54	20.87	14.94	19.23	17.58	11.63	17.55	10.28	16.08	10.79	13.98
25/10/2024 02:03:54	14.59	14.47	20.88	14.86	19.23	17.49	11.60	17.45	10.24	15.99	10.75	13.89
25/10/2024 02:04:53	14.52	14.40	20.89	14.78	19.25	17.46	11.62	17.45	10.25	15.99	10.76	13.88
25/10/2024 02:05:52	14.61	14.49	20.94	14.87	19.29	17.49	11.65	17.44	10.27	15.98	10.79	13.88

25/10/2024 02:06:52	14.55	14.44	21.00	14.79	19.34	17.42	11.67	17.38	10.27	15.91	10.80	13.80
25/10/2024 02:07:51	14.57	14.46	21.02	14.81	19.36	17.43	11.66	17.39	10.27	15.92	10.79	13.82
25/10/2024 02:08:51	14.80	14.50	21.08	14.85	19.42	17.44	11.71	17.37	10.30	15.90	10.83	13.80
25/10/2024 02:09:50	14.66	14.56	21.13	14.91	19.48	17.49	11.81	17.41	10.40	15.95	10.93	13.85
25/10/2024 02:10:50	14.57	14.46	21.06	14.80	19.40	17.39	11.68	17.32	10.27	15.85	10.80	13.75
25/10/2024 02:11:49	14.83	14.74	21.46	15.05	19.80	17.65	12.08	17.60	10.65	16.13	11.19	14.03
25/10/2024 02:12:49	15.15	15.04	21.66	15.38	20.01	17.91	12.32	17.80	10.88	16.34	11.42	14.24
25/10/2024 02:13:48	15.04	14.94	21.62	15.27	19.97	17.82	12.26	17.72	10.81	16.26	11.35	14.16
25/10/2024 02:14:48	14.64	14.54	21.30	14.86	19.84	17.43	11.88	17.35	10.43	15.88	10.97	13.78
25/10/2024 02:15:47	14.86	14.76	21.52	15.08	19.86	17.64	12.10	17.55	10.65	16.09	11.20	13.99
25/10/2024 02:16:47	15.10	15.00	21.81	15.31	20.13	17.83	12.32	17.71	10.86	16.25	11.41	14.15
25/10/2024 02:17:46	14.90	14.80	21.64	15.10	19.96	17.64	12.13	17.54	10.67	16.07	11.22	13.97
25/10/2024 02:18:46	14.78	14.70	21.68	14.97	19.98	17.53	12.11	17.44	10.63	15.98	11.19	13.88
25/10/2024 02:19:45	14.78	14.70	21.63	14.98	19.94	17.51	12.08	17.41	10.61	15.95	11.16	13.85
25/10/2024 02:20:45	14.72	14.64	21.63	14.90	19.94	17.44	12.07	17.34	10.59	15.88	11.15	13.79
25/10/2024 02:21:44	14.88	14.61	21.61	14.87	19.92	17.40	12.05	17.31	10.57	15.85	11.12	13.76
25/10/2024 02:22:44	15.11	15.03	22.03	15.29	20.33	17.79	12.41	17.67	10.93	16.21	11.49	14.11
25/10/2024 02:23:43	15.01	14.94	22.02	15.17	20.32	17.71	12.44	17.62	10.94	16.16	11.50	14.07
25/10/2024 02:24:42	15.10	15.03	22.14	15.26	20.43	17.77	12.49	17.65	10.99	16.19	11.56	14.10
25/10/2024 02:25:42	15.26	15.19	22.23	15.43	20.52	17.92	12.59	17.79	11.10	16.33	11.66	14.24
25/10/2024 02:26:41	15.37	15.29	22.31	15.55	20.57	17.92	12.57	17.72	11.07	16.26	11.63	14.18
25/10/2024 02:27:41	15.04	14.98	22.25	15.18	20.55	17.70	12.59	17.60	11.07	16.15	11.64	14.07
25/10/2024 02:28:40	16.03	15.96	23.09	16.18	21.33	18.55	13.24	18.35	11.73	16.89	12.30	14.81
25/10/2024 02:29:40	16.22	16.16	23.41	16.36	21.65	18.76	13.56	18.59	12.04	17.14	12.61	15.06
25/10/2024 02:30:39	16.27	16.21	23.50	16.40	21.74	18.82	13.64	18.65	12.12	17.20	12.69	15.13
25/10/2024 02:31:39	15.49	15.43	22.61	15.64	20.88	18.04	12.85	17.87	11.33	16.42	11.90	14.34
25/10/2024 02:32:38	15.82	15.76	23.02	15.96	21.26	18.34	13.16	18.15	11.64	16.70	12.21	14.62
25/10/2024 02:33:38	16.04	15.99	23.29	16.17	21.53	18.55	13.43	18.38	11.90	16.93	12.47	14.85
25/10/2024 02:34:37	16.08	16.01	23.26	16.22	21.51	18.55	13.44	18.33	11.90	16.88	12.48	14.81
25/10/2024 02:35:37	15.70	15.64	23.05	15.82	21.29	18.23	13.18	18.07	11.64	16.63	12.22	14.55
25/10/2024 02:36:36	15.93	15.88	23.26	16.05	21.50	18.44	13.39	18.26	11.85	16.82	12.43	14.75
25/10/2024 02:37:35	15.90	15.85	23.26	16.02	21.51	18.39	13.38	18.21	11.83	16.76	12.41	14.69
25/10/2024 02:38:35	16.12	16.06	23.51	16.24	21.74	18.61	13.57	18.42	12.02	16.97	12.60	14.90
25/10/2024 02:39:34	16.21	16.16	23.61	16.32	21.85	18.67	13.68	18.48	12.13	17.03	12.71	14.96
25/10/2024 02:40:34	16.41	16.36	23.88	16.51	22.10	18.86	13.88	18.67	12.33	17.22	12.91	15.16
25/10/2024 02:41:33	16.51	16.47	24.05	16.61	22.27	18.95	14.04	18.76	12.48	17.32	13.06	15.26
25/10/2024 02:42:33	16.34	16.30	23.93	16.43	22.12	18.76	13.81	18.55	12.25	17.11	12.63	15.04
25/10/2024 02:43:32	16.30	16.26	23.83	16.40	22.02	18.66	13.69	18.41	12.13	16.97	12.71	14.91
25/10/2024 02:44:32	16.48	16.43	24.00	16.58	22.18	18.83	13.81	18.56	12.25	17.12	12.83	15.05
25/10/2024 02:45:31	16.71	16.67	24.30	16.79	22.47	19.04	14.10	18.78	12.53	17.34	13.12	15.28
25/10/2024 02:46:31	16.84	16.81	24.52	16.93	22.68	19.17	14.23	18.90	12.66	17.47	13.25	15.40
25/10/2024 02:47:30	16.88	16.84	24.52	16.96	22.68	19.16	14.21	18.88	12.64	17.44	13.23	15.38
25/10/2024 02:48:30	16.94	16.90	24.62	17.02	22.76	19.20	14.27	18.91	12.70	17.47	13.29	15.41
25/10/2024 02:49:28	16.82	16.79	24.61	16.89	22.74	19.08	14.20	18.80	12.62	17.36	13.21	15.31

25/10/2024 02:50:29	16.85	16.82	24.72	16.90	22.84	19.12	14.26	18.85	12.67	17.41	13.27	15.36
25/10/2024 02:51:28	17.08	17.05	24.89	17.15	23.00	19.31	14.41	18.99	12.83	17.56	13.42	15.50
25/10/2024 02:52:28	17.17	17.14	25.03	17.23	23.13	19.37	14.48	19.04	12.90	17.61	13.49	15.56
25/10/2024 02:53:27	17.22	17.19	25.13	17.28	23.23	19.43	14.57	19.12	12.98	17.69	13.58	15.64
25/10/2024 02:54:27	17.32	17.29	25.30	17.37	23.40	19.53	14.72	19.22	13.12	17.79	13.72	15.74
25/10/2024 02:55:26	17.36	17.32	25.25	17.43	23.34	19.52	14.63	19.16	13.04	17.73	13.63	15.67
25/10/2024 02:56:26	17.31	17.28	25.30	17.37	23.38	19.47	14.60	19.12	13.01	17.69	13.60	15.64
25/10/2024 02:57:25	17.47	17.45	25.52	17.53	23.60	19.62	14.82	19.27	13.22	17.64	13.82	15.79
25/10/2024 02:58:25	17.64	17.62	25.75	17.69	23.79	19.76	14.89	19.40	13.30	17.97	13.90	15.92
25/10/2024 02:59:24	17.40	17.38	25.52	17.45	23.56	19.50	14.65	19.12	13.05	17.69	13.65	15.64
25/10/2024 03:00:24	17.47	17.44	25.59	17.52	23.60	19.46	14.57	19.04	12.97	17.61	13.57	15.56
25/10/2024 03:01:23	17.87	17.87	28.29	17.89	24.31	19.97	15.28	19.61	13.66	18.19	14.27	16.15
25/10/2024 03:02:23	18.11	18.10	28.49	18.12	24.45	20.11	15.25	19.70	13.65	18.27	14.25	16.22
25/10/2024 03:03:22	18.06	18.06	26.54	18.08	24.51	20.08	15.31	19.68	13.70	18.26	14.31	16.22
25/10/2024 03:04:21	17.95	17.95	26.53	17.95	24.48	19.96	15.20	19.55	13.58	18.12	14.19	16.08
25/10/2024 03:05:21	18.02	18.01	26.58	18.06	24.51	19.99	15.11	19.54	13.51	18.11	14.11	16.07
25/10/2024 03:06:20	18.00	18.01	26.99	17.96	24.88	20.02	15.37	19.66	13.75	18.24	14.36	16.21
25/10/2024 03:07:20	18.37	18.37	27.11	18.39	24.97	20.29	15.38	19.81	13.78	18.38	14.38	16.34
25/10/2024 03:08:19	18.16	18.16	27.19	18.14	24.99	20.08	15.20	19.64	13.61	18.22	14.20	16.17
25/10/2024 03:09:19	18.54	18.53	27.46	18.56	25.20	20.40	15.20	19.89	13.65	18.48	14.23	16.41
25/10/2024 03:10:19	18.66	18.64	27.72	18.67	25.43	20.55	15.29	20.05	13.78	18.62	14.33	16.57
25/10/2024 03:11:18	19.09	19.07	28.14	19.13	25.75	20.84	15.29	20.23	13.79	18.80	14.35	16.74
25/10/2024 03:12:18	18.96	18.97	28.42	18.93	25.96	20.79	15.21	20.29	13.73	18.85	14.29	16.80
25/10/2024 03:13:17	19.22	19.23	28.78	19.19	26.26	20.96	15.32	20.40	13.86	18.99	14.41	16.93
25/10/2024 03:14:17	19.36	19.36	29.04	19.35	26.39	21.07	14.98	20.48	13.61	19.05	14.12	17.01
25/10/2024 03:15:16	19.71	19.71	29.42	19.71	26.67	21.39	14.91	20.77	13.60	19.33	14.09	17.27
25/10/2024 03:16:16	20.06	20.03	29.61	20.13	26.79	21.59	14.72	20.80	13.45	19.36	13.93	17.28
25/10/2024 03:17:15	20.18	20.15	29.93	20.26	27.12	21.79	15.00	21.04	13.71	19.59	14.19	17.51
25/10/2024 03:18:15	20.33	20.30	30.38	20.38	27.49	21.90	15.03	21.16	13.76	19.71	14.24	17.63
25/10/2024 03:19:14	20.47	20.45	30.61	20.52	27.67	21.99	15.05	21.20	13.78	19.75	14.26	17.67
25/10/2024 03:20:14	20.58	20.57	30.85	20.60	27.84	22.12	15.04	21.36	13.79	19.90	14.26	17.80
25/10/2024 03:21:14	20.65	20.61	30.98	20.74	28.01	22.45	15.16	21.76	13.88	20.26	14.36	18.09
25/10/2024 03:22:13	21.01	20.96	31.47	21.12	28.49	22.75	15.50	22.00	14.20	20.49	14.69	18.33
25/10/2024 03:23:13	21.21	21.12	31.57	21.41	28.59	23.82	15.48	23.35	14.14	21.65	14.64	19.22
25/10/2024 03:24:12	21.64	21.56	32.10	21.82	29.07	23.93	15.81	23.33	14.50	21.70	14.99	19.35
25/10/2024 03:25:12	22.46	22.33	32.57	22.76	29.51	24.45	16.09	23.56	14.74	21.91	15.25	19.53
25/10/2024 03:26:11	22.29	22.12	32.48	22.68	29.52	24.56	16.23	23.77	14.85	22.09	15.37	19.68
25/10/2024 03:27:11	22.64	22.48	33.07	23.00	30.01	24.79	16.38	24.01	15.13	22.39	15.60	20.08
25/10/2024 03:28:10	22.74	22.56	33.37	23.13	30.35	24.94	16.71	24.15	15.37	22.51	15.88	20.15
25/10/2024 03:29:10	23.37	23.20	34.08	23.75	31.02	25.64	17.29	25.02	16.19	23.47	16.60	21.26
25/10/2024 03:30:09	23.36	23.20	34.41	23.73	31.35	25.58	17.50	24.99	16.44	23.49	16.84	21.34
25/10/2024 03:31:09	24.86	24.60	34.81	25.44	31.81	26.76	18.17	25.85	17.20	24.38	17.57	22.28
25/10/2024 03:32:08	23.61	23.49	35.34	23.87	32.53	25.95	19.44	25.58	18.19	24.14	18.66	22.07
25/10/2024 03:33:08	24.42	24.30	35.92	24.68	33.42	28.64	21.42	26.24	19.94	24.83	20.50	22.81

25/10/2024 03:24:07	24.75	24.66	38.75	24.93	34.29	26.81	22.37	26.37	20.74	24.98	21.36	22.99
25/10/2024 03:35:07	25.45	25.41	37.94	25.55	35.38	27.30	23.15	26.79	21.47	25.41	22.10	23.45
25/10/2024 03:36:06	26.83	26.79	39.42	26.92	36.70	28.08	24.00	27.23	22.29	25.89	22.93	23.96
25/10/2024 03:37:06	28.31	28.26	41.05	28.42	38.18	28.85	24.99	27.57	23.22	26.28	23.88	24.42
25/10/2024 03:38:06	31.25	31.07	42.90	31.63	40.09	29.79	27.09	27.22	25.07	26.09	25.83	24.46
25/10/2024 03:39:05	33.10	32.99	45.68	33.35	42.83	31.36	29.70	29.01	27.97	28.13	28.62	26.88
25/10/2024 03:40:05	33.99	34.02	48.05	33.93	44.93	32.06	31.01	29.94	29.43	29.19	30.02	28.12
25/10/2024 03:41:04	36.30	35.72	44.18	37.60	41.22	35.69	27.52	33.61	27.61	32.92	27.57	31.93
25/10/2024 03:42:04	38.74	37.91	43.49	40.62	41.33	38.49	30.38	35.92	29.83	34.95	30.04	33.55
25/10/2024 03:43:03	37.56	36.82	41.95	39.23	40.11	37.65	30.59	35.17	29.41	33.95	29.85	32.22
25/10/2024 03:44:03	37.19	36.51	41.79	38.72	39.93	37.32	30.49	34.80	29.04	33.47	29.59	31.57
25/10/2024 03:45:02	36.43	35.96	42.03	37.48	39.91	36.60	30.12	34.26	28.36	32.77	29.02	30.65
25/10/2024 03:46:02	37.21	36.84	41.83	38.05	39.36	36.14	29.20	33.21	27.54	31.80	28.16	29.78
25/10/2024 03:47:01	38.23	38.16	43.92	38.38	40.64	35.27	28.79	31.78	27.23	30.55	27.82	28.79
25/10/2024 03:48:01	37.81	37.55	42.72	38.40	39.58	35.36	27.70	31.88	26.38	30.64	26.88	28.87
25/10/2024 03:49:00	37.68	37.41	42.96	38.27	39.81	35.27	26.92	31.81	25.73	30.58	26.18	28.76
25/10/2024 03:50:00	37.28	37.00	42.75	37.91	39.23	34.87	25.86	31.39	24.81	30.13	25.20	28.34
25/10/2024 03:50:59	37.15	37.04	43.87	37.41	40.13	34.71	26.25	31.46	25.16	30.22	25.57	28.45
25/10/2024 03:51:59	36.46	36.45	44.12	36.49	40.33	34.40	26.34	31.52	25.19	30.25	25.62	28.43
25/10/2024 03:52:58	35.70	35.76	44.09	35.57	40.33	33.83	26.47	31.23	25.31	30.01	25.74	28.26
25/10/2024 03:53:58	35.29	35.41	44.32	35.04	40.58	33.77	26.72	31.52	25.65	30.34	26.05	28.65
25/10/2024 03:54:57	34.84	34.98	44.26	34.51	40.54	33.41	26.75	31.30	25.65	30.14	26.06	28.47
25/10/2024 03:55:57	34.08	34.26	43.94	33.66	40.27	32.75	26.58	30.81	25.49	29.69	25.90	28.09
25/10/2024 03:56:57	33.75	33.95	44.05	33.29	40.42	32.66	26.77	30.95	25.73	29.86	26.12	28.31
25/10/2024 03:57:56	33.89	34.10	44.19	33.42	40.45	32.62	26.49	30.84	25.54	29.79	25.90	28.28
25/10/2024 03:58:56	34.15	34.36	44.45	33.67	40.60	32.67	26.32	30.77	25.44	29.74	25.77	28.27
25/10/2024 03:59:55	34.09	34.23	44.10	33.79	40.30	32.61	25.94	30.65	25.16	29.64	25.45	28.21
25/10/2024 04:00:55	33.89	34.00	43.83	33.64	40.01	32.39	25.52	30.38	24.79	29.39	25.07	27.97
25/10/2024 04:01:54	33.95	34.04	43.91	33.74	40.08	32.53	25.45	30.58	24.84	29.62	25.07	28.24
25/10/2024 04:02:54	34.07	34.12	43.88	33.95	40.09	32.62	25.51	30.61	24.90	29.65	25.13	28.28
25/10/2024 04:03:53	34.08	34.11	43.87	34.01	40.10	32.72	25.48	30.73	24.93	29.79	25.13	28.43
25/10/2024 04:04:53	34.08	34.09	43.87	34.05	40.13	32.77	25.51	30.80	24.96	29.85	25.17	28.49
25/10/2024 04:05:52	33.77	33.82	43.88	33.68	40.12	32.73	25.46	30.99	24.97	30.01	25.15	28.70
25/10/2024 04:06:52	33.88	33.89	43.87	33.86	40.12	32.82	25.43	31.01	24.95	30.07	25.13	28.71
25/10/2024 04:07:51	33.85	33.84	43.81	33.85	40.10	32.90	25.49	31.15	25.03	30.21	25.20	28.86
25/10/2024 04:08:51	33.87	33.88	44.04	33.84	40.31	33.10	25.65	31.48	25.22	30.54	25.38	29.19
25/10/2024 04:09:50	34.17	34.15	44.06	34.22	40.36	33.34	25.75	31.64	25.34	30.70	25.49	29.35
25/10/2024 04:10:50	34.48	34.43	44.14	34.57	40.44	33.51	25.82	31.70	25.42	30.76	25.57	29.43
25/10/2024 04:11:49	34.32	34.29	44.12	34.39	40.45	33.52	25.88	31.82	25.49	30.89	25.63	29.54
25/10/2024 04:12:49	34.40	34.38	44.15	34.46	40.46	33.56	25.87	31.85	25.50	30.92	25.64	29.59
25/10/2024 04:13:48	34.81	34.74	44.31	34.96	40.62	33.83	25.99	31.98	25.63	31.06	25.77	29.73
25/10/2024 04:14:48	34.55	34.52	44.27	34.64	40.57	33.74	25.97	32.04	25.62	31.11	25.75	29.78
25/10/2024 04:15:47	34.52	34.51	44.50	34.56	40.79	33.76	26.14	32.14	25.81	31.23	25.84	29.93
25/10/2024 04:16:47	34.42	34.39	44.28	34.48	40.60	33.67	26.03	32.06	25.72	31.15	25.83	29.85

25/10/2024 04:17:46	34.20	34.22	44.53	34.17	40.83	33.63	26.19	32.20	25.88	31.30	26.00	30.00
25/10/2024 04:18:46	34.28	34.29	44.54	34.26	40.86	33.66	26.28	32.22	25.98	31.33	26.09	30.06
25/10/2024 04:19:45	34.41	34.42	44.76	34.38	41.07	33.59	26.42	32.07	26.14	31.23	26.24	30.03
25/10/2024 04:20:45	34.53	34.55	45.04	34.49	41.32	33.61	26.57	32.06	26.31	31.25	26.40	30.09
25/10/2024 04:21:44	34.49	34.51	45.00	34.44	41.28	33.45	28.55	31.86	26.31	31.08	26.40	29.97
25/10/2024 04:22:44	34.87	34.85	45.02	34.91	41.34	33.41	26.71	31.56	26.46	30.84	26.55	29.80
25/10/2024 04:23:43	34.68	34.70	45.23	34.63	41.55	33.42	26.92	31.76	26.67	31.04	26.76	30.00
25/10/2024 04:24:43	34.80	34.64	45.56	34.72	41.89	33.36	27.29	31.68	27.07	31.03	27.15	30.09
25/10/2024 04:25:42	34.60	34.63	45.25	34.52	41.58	33.10	26.99	31.39	26.78	30.74	26.86	29.80
25/10/2024 04:26:42	34.80	34.82	45.50	34.76	41.80	33.30	27.05	31.54	26.83	30.87	26.91	29.91
25/10/2024 04:27:41	34.69	34.72	45.95	34.61	42.21	33.11	27.16	31.38	28.95	30.76	27.03	29.66
25/10/2024 04:28:41	34.68	34.71	46.01	34.60	42.27	33.15	27.23	31.45	27.01	30.82	27.09	29.92
25/10/2024 04:29:40	34.85	34.88	46.52	34.78	42.71	33.20	27.34	31.44	27.14	30.83	27.22	29.96
25/10/2024 04:30:40	35.05	35.08	47.27	34.99	43.41	33.39	27.66	31.64	27.46	31.04	27.53	30.19
25/10/2024 04:31:39	34.76	34.86	47.22	34.55	43.31	33.19	27.57	31.60	27.38	31.00	27.46	30.15
25/10/2024 04:32:39	34.81	34.87	47.21	34.66	43.33	33.30	27.60	31.69	27.41	31.09	27.49	30.23
25/10/2024 04:33:38	34.55	34.66	47.33	34.31	43.46	33.21	27.81	31.79	27.63	31.20	27.70	30.37
25/10/2024 04:34:38	34.93	35.01	47.58	34.74	43.70	33.56	27.95	32.08	27.77	31.48	27.84	30.62
25/10/2024 04:35:37	34.74	34.84	47.57	34.51	43.69	33.40	27.96	31.97	27.77	31.38	27.84	30.54
25/10/2024 04:36:37	34.73	34.83	47.68	34.50	43.80	33.42	28.02	32.01	27.84	31.42	27.91	30.58
25/10/2024 04:37:36	34.95	35.11	47.90	34.57	43.94	33.54	28.15	32.17	27.97	31.58	28.04	30.75
25/10/2024 04:38:36	35.06	35.23	47.98	34.68	44.00	33.68	28.18	32.31	28.03	31.73	28.09	30.88
25/10/2024 04:39:35	35.23	35.44	48.23	34.75	44.20	33.78	28.38	32.44	28.19	31.85	28.26	31.01
25/10/2024 04:40:35	35.29	35.54	48.55	34.73	44.43	33.82	28.39	32.51	28.22	31.92	28.28	31.07
25/10/2024 04:41:35	35.23	35.49	48.57	34.65	44.46	33.82	26.45	32.56	28.28	31.96	28.34	31.11
25/10/2024 04:42:34	35.25	35.52	48.67	34.64	44.59	33.96	28.70	32.80	28.53	32.21	28.59	31.36
25/10/2024 04:43:34	35.56	35.84	48.74	34.92	44.65	34.20	28.89	33.01	28.72	32.42	28.78	31.57
25/10/2024 04:44:33	35.48	35.76	48.79	34.86	44.66	34.10	28.69	32.88	28.52	32.28	28.59	31.42
25/10/2024 04:45:33	35.59	35.86	48.81	34.99	44.74	34.30	28.94	33.12	28.77	32.52	28.83	31.65
25/10/2024 04:46:32	35.68	35.96	48.85	35.06	44.78	34.39	29.06	33.22	28.88	32.62	28.95	31.75
25/10/2024 04:47:32	35.72	36.00	48.86	35.09	44.80	34.42	29.14	33.25	28.95	32.65	29.03	31.79
25/10/2024 04:48:31	35.15	35.35	48.55	34.71	44.65	34.22	29.05	33.16	28.85	32.55	28.92	31.67
25/10/2024 04:49:31	35.32	35.53	48.78	34.84	44.82	34.36	29.08	33.31	28.90	32.70	28.97	31.82
25/10/2024 04:50:30	35.48	35.69	48.89	35.01	44.95	34.53	29.28	33.49	29.10	32.88	29.17	32.01
25/10/2024 04:51:30	35.45	35.66	48.82	34.99	44.88	34.50	29.21	33.44	29.03	32.83	29.10	31.96
25/10/2024 04:52:29	35.61	35.84	48.91	35.10	44.95	34.59	29.36	33.53	29.18	32.92	29.25	32.05
25/10/2024 04:53:29	35.71	35.95	49.01	35.18	45.06	34.67	29.55	33.62	29.35	33.02	29.42	32.16
25/10/2024 04:54:28	35.85	36.09	49.01	35.32	45.07	34.79	29.60	33.72	29.42	33.12	29.49	32.26
25/10/2024 04:55:28	35.98	36.23	49.10	35.43	45.16	34.88	29.78	33.81	29.58	33.21	29.66	32.35
25/10/2024 04:56:28	35.98	36.28	49.36	35.30	45.33	34.85	29.76	33.85	29.60	33.26	29.66	32.42
25/10/2024 04:57:27	38.20	36.49	49.43	35.98	45.44	35.06	30.06	34.07	29.89	33.49	29.96	32.66
25/10/2024 04:58:27	36.28	36.57	49.30	35.63	45.35	35.12	30.08	34.09	29.92	33.51	29.98	32.68
25/10/2024 04:59:26	36.51	36.80	49.46	35.86	45.50	35.30	30.26	34.24	30.10	33.67	30.16	32.84
25/10/2024 05:00:26	36.60	36.88	49.41	35.96	45.48	35.40	30.34	34.34	30.18	33.76	30.24	32.94

25/10/2024 05:01:25	36.67	36.96	49.53	36.02	45.58	35.43	30.42	34.36	30.25	33.78	30.32	32.97
25/10/2024 05:02:25	36.73	37.01	49.49	36.10	45.55	35.50	30.52	34.43	30.35	33.86	30.41	33.04
25/10/2024 05:03:24	36.91	37.22	49.61	36.32	45.69	35.69	30.72	34.60	30.54	34.03	30.61	33.22
25/10/2024 05:04:24	37.06	37.34	49.67	36.44	45.74	35.80	30.81	34.70	30.64	34.14	30.70	33.33
25/10/2024 05:05:23	37.15	37.42	49.50	36.56	45.56	35.83	30.69	34.67	30.54	34.11	30.59	33.30
25/10/2024 05:06:23	37.40	37.67	49.78	36.81	45.84	36.07	30.97	34.91	30.82	34.35	30.87	33.54
25/10/2024 05:07:23	37.44	37.70	49.72	36.86	45.80	36.11	30.98	34.95	30.83	34.38	30.88	33.57
25/10/2024 05:08:22	37.32	37.58	49.61	36.74	45.68	35.98	30.83	34.81	30.68	34.24	30.74	33.43
25/10/2024 05:09:21	37.40	37.65	49.53	36.84	45.61	36.04	30.82	34.85	30.69	34.28	30.74	33.48
25/10/2024 05:10:21	37.64	37.89	49.83	37.08	45.92	36.29	31.14	35.11	31.00	34.55	31.06	33.75
25/10/2024 05:11:21	37.85	38.09	49.91	37.31	46.02	36.50	31.30	35.31	31.17	34.75	31.22	33.95
25/10/2024 05:12:20	37.65	37.89	49.67	37.13	45.79	36.32	31.10	35.12	30.97	34.56	31.02	33.76
25/10/2024 05:13:20	38.13	38.36	50.07	37.63	46.19	36.77	31.48	35.53	31.38	34.97	31.41	34.18
25/10/2024 05:14:19	38.08	38.30	49.97	37.59	46.11	36.71	31.45	35.47	31.33	34.92	31.37	34.12
25/10/2024 05:15:19	38.17	38.38	50.03	37.69	46.18	36.80	31.52	35.56	31.40	35.01	31.44	34.21
25/10/2024 05:16:18	38.35	38.56	50.19	37.88	46.34	36.97	31.65	35.72	31.54	35.16	31.58	34.36
25/10/2024 05:17:18	38.42	38.63	50.19	37.96	46.35	37.04	31.70	35.78	31.60	35.23	31.64	34.43
25/10/2024 05:18:17	38.51	38.72	50.31	38.05	46.48	37.13	31.83	35.86	31.72	35.31	31.76	34.52
25/10/2024 05:19:17	38.50	38.70	50.19	38.05	46.36	37.11	31.75	35.84	31.65	35.29	31.69	34.50
25/10/2024 05:20:16	38.72	38.92	50.36	38.28	46.55	37.35	31.97	36.09	31.88	35.54	31.92	34.75
25/10/2024 05:21:16	38.99	39.20	50.66	38.54	46.84	37.61	32.23	36.35	32.15	35.80	32.18	35.02
25/10/2024 05:22:15	39.12	39.32	50.72	38.67	46.92	37.73	32.35	36.46	32.27	35.92	32.30	35.14
25/10/2024 05:23:15	38.99	39.18	50.58	38.54	46.77	37.61	32.20	36.34	32.13	35.80	32.16	35.02
25/10/2024 05:24:14	39.12	39.32	50.66	38.68	46.87	37.76	32.37	36.51	32.30	35.97	32.33	35.20
25/10/2024 05:25:14	39.32	39.51	50.79	38.88	46.98	37.89	32.42	36.60	32.37	36.06	32.39	35.29
25/10/2024 05:26:13	39.52	39.71	50.89	39.10	47.10	38.09	32.59	36.79	32.54	36.25	32.56	35.48
25/10/2024 05:27:13	39.49	39.68	50.86	39.07	47.06	38.05	32.54	36.75	32.50	36.22	32.51	35.45
25/10/2024 05:28:12	39.71	39.90	51.03	39.30	47.22	38.23	32.73	36.91	32.69	36.38	32.70	35.62
25/10/2024 05:29:12	39.83	40.01	51.04	39.43	47.25	38.36	32.79	37.03	32.76	36.50	32.77	35.74
25/10/2024 05:30:11	40.04	40.22	51.21	39.64	47.41	38.54	32.95	37.19	32.93	36.66	32.94	35.91
25/10/2024 05:31:11	40.15	40.33	51.24	39.75	47.45	38.58	33.00	37.20	32.98	36.68	32.99	35.93
25/10/2024 05:32:10	40.53	40.70	51.51	40.15	47.72	38.94	33.32	37.53	33.32	37.02	33.32	36.28
25/10/2024 05:33:10	40.47	40.64	51.30	40.11	47.51	38.87	33.16	37.45	33.17	36.93	33.16	36.19
25/10/2024 05:34:09	40.42	40.58	51.19	40.06	47.42	38.83	33.09	37.41	33.11	36.89	33.10	36.16
25/10/2024 05:35:09	40.71	40.86	51.38	40.36	47.59	39.08	33.26	37.64	33.29	37.12	33.28	36.39
25/10/2024 05:36:09	40.59	40.75	51.21	40.23	47.43	38.91	33.12	37.45	33.18	36.95	33.15	36.25
25/10/2024 05:37:08	41.16	41.30	51.52	40.84	47.73	39.45	33.45	37.94	33.53	37.45	33.50	36.73
25/10/2024 05:38:08	41.12	41.26	51.35	40.83	47.57	39.22	33.36	37.61	33.44	37.13	33.41	36.46
25/10/2024 05:39:07	41.20	41.33	51.33	40.92	47.55	39.26	33.32	37.62	33.43	37.16	33.39	36.50
25/10/2024 05:40:07	41.32	41.44	51.28	41.06	47.50	39.19	33.28	37.46	33.43	37.03	33.38	36.42
25/10/2024 05:41:06	41.39	41.49	51.17	41.16	47.43	39.32	33.36	37.60	33.51	37.17	33.45	36.55
25/10/2024 05:42:06	41.62	41.70	51.16	41.46	47.40	39.13	33.24	37.18	33.46	36.83	33.38	36.31
25/10/2024 05:43:05	41.76	41.82	51.19	41.62	47.45	39.19	33.33	37.21	33.59	36.88	33.49	36.41
25/10/2024 05:44:04	41.81	41.84	50.97	41.75	47.25	39.07	33.19	36.98	33.50	36.69	33.39	36.28

25/10/2024 05:45:05	41.93	41.91	50.78	41.99	47.11	39.13	33.07	36.90	33.42	36.66	33.29	36.27
25/10/2024 05:46:05	42.13	41.98	50.20	42.48	46.69	39.47	32.94	37.30	33.59	37.13	33.34	36.89
25/10/2024 05:47:04	42.45	42.22	50.11	42.96	46.67	39.95	33.02	37.82	33.83	37.09	33.52	37.50
25/10/2024 05:48:04	42.70	42.44	50.06	43.30	46.61	40.38	33.02	38.37	34.03	38.29	33.65	38.16
25/10/2024 05:49:03	42.56	42.31	50.02	43.11	46.58	40.44	32.67	38.62	34.00	38.55	33.57	38.45
25/10/2024 05:50:03	42.78	42.53	50.19	43.33	46.73	40.64	32.99	38.81	34.16	38.75	33.72	38.67
25/10/2024 05:51:02	43.11	42.82	50.05	43.76	46.59	40.79	32.84	38.78	34.04	38.72	33.59	38.64
25/10/2024 05:52:02	43.51	43.21	50.25	44.18	46.75	41.20	32.93	39.18	34.19	39.12	33.71	39.03
25/10/2024 05:53:01	43.70	43.39	50.27	44.40	46.73	41.30	32.82	39.21	34.11	39.15	33.62	39.06
25/10/2024 05:54:01	44.22	43.88	50.39	44.97	46.82	41.64	32.84	39.38	34.13	39.30	33.65	39.18
25/10/2024 05:55:00	44.57	44.22	50.53	45.35	46.93	41.94	32.93	39.60	34.24	39.52	33.75	39.39
25/10/2024 05:56:00	44.47	44.15	50.59	45.21	46.95	41.95	32.82	39.70	34.14	39.59	33.64	39.45
25/10/2024 05:56:59	44.05	43.81	51.03	44.61	47.42	41.71	33.37	39.72	34.61	39.64	34.15	39.53
25/10/2024 05:57:59	44.15	43.91	51.14	44.69	47.49	41.78	33.35	39.78	34.59	39.69	34.13	39.57
25/10/2024 05:58:58	44.43	44.17	51.19	45.00	47.53	41.88	33.41	39.90	34.66	39.81	34.19	39.67
25/10/2024 05:59:58	44.51	44.25	51.19	45.09	47.49	42.06	33.30	39.95	34.56	39.84	34.09	39.69
25/10/2024 06:00:57	44.91	44.63	51.31	45.53	47.60	42.39	33.39	40.20	34.85	40.07	34.18	39.89
25/10/2024 06:01:57	45.25	44.96	51.48	45.89	47.76	42.65	33.51	40.38	34.77	40.25	34.30	40.06
25/10/2024 06:02:56	45.75	45.45	51.74	46.42	48.00	43.12	33.75	40.78	35.01	40.63	34.54	40.41
25/10/2024 06:03:56	46.08	45.76	51.76	46.81	47.98	43.36	33.63	40.89	34.90	40.71	34.42	40.46
25/10/2024 06:04:55	46.54	46.21	52.09	47.27	48.31	43.80	33.98	41.29	35.22	41.09	34.75	40.81
25/10/2024 06:05:54	46.96	46.62	52.26	47.72	48.45	44.16	34.09	41.58	35.33	41.36	34.86	41.04
25/10/2024 06:06:54	46.98	46.65	52.25	47.73	48.43	44.21	34.07	41.63	35.29	41.39	34.83	41.05
25/10/2024 06:07:54	47.13	46.79	52.31	47.88	48.47	44.36	34.10	41.75	35.31	41.49	34.86	41.13
25/10/2024 06:08:53	47.40	47.05	52.46	48.16	48.62	44.63	34.23	41.99	35.44	41.72	34.99	41.33
25/10/2024 06:09:53	47.43	47.09	52.44	48.20	48.58	44.67	34.16	42.03	35.37	41.75	34.91	41.34
25/10/2024 06:10:52	47.69	47.34	52.54	48.48	48.68	44.94	34.29	42.26	35.49	41.96	35.01	41.53
25/10/2024 06:11:52	47.78	47.43	52.66	48.57	48.81	45.02	34.45	42.34	35.64	42.04	35.19	41.62
25/10/2024 06:12:51	48.16	47.79	52.73	49.00	48.88	45.43	34.58	42.72	35.77	42.39	35.32	41.93
25/10/2024 06:13:51	47.89	47.55	52.87	48.66	49.02	45.28	34.66	42.70	35.86	42.38	35.41	41.94
25/10/2024 06:14:50	48.20	47.84	52.96	49.00	49.13	45.65	34.85	43.08	36.07	42.76	35.61	42.30
25/10/2024 06:15:50	48.43	48.07	53.04	49.25	49.21	45.84	34.96	43.23	36.18	42.91	35.72	42.44
25/10/2024 06:16:49	48.42	48.07	53.10	49.22	49.26	45.92	35.01	43.38	36.25	43.05	35.76	42.59
25/10/2024 06:17:49	48.73	48.37	53.28	49.55	49.41	46.21	35.09	43.61	36.34	43.28	35.87	42.79
25/10/2024 06:18:48	48.66	48.30	53.32	49.47	49.51	46.27	35.34	43.78	36.58	43.44	36.11	42.96
25/10/2024 06:19:48	48.76	48.40	53.39	49.56	49.55	46.34	35.32	43.84	36.58	43.50	36.11	43.03
25/10/2024 06:20:47	48.88	48.53	53.48	49.67	49.64	46.47	35.43	43.98	36.70	43.65	36.22	43.17
25/10/2024 06:21:47	48.92	48.57	53.57	49.71	49.76	46.59	35.63	44.16	36.91	43.83	36.43	43.37
25/10/2024 06:22:46	49.00	48.65	53.57	49.77	49.77	46.62	35.72	44.18	37.00	43.86	36.52	43.41
25/10/2024 06:23:46	49.10	48.75	53.72	49.87	49.91	46.78	35.82	44.38	37.11	44.06	36.63	43.60
25/10/2024 06:24:45	49.22	48.88	53.77	50.00	49.99	46.93	36.02	44.55	37.31	44.23	36.83	43.78
25/10/2024 06:25:45	49.26	48.92	53.71	50.03	49.93	46.95	36.02	44.58	37.33	44.27	36.84	43.82
25/10/2024 06:26:44	49.27	48.94	53.73	50.03	49.97	47.01	36.14	44.68	37.45	44.37	36.96	43.93
25/10/2024 06:27:44	49.45	49.11	53.80	50.21	50.06	47.17	36.36	44.83	37.67	44.54	37.18	44.11

25/10/2024 06:28:43	49.52	49.18	53.70	50.27	49.98	47.27	36.43	44.96	37.76	44.67	37.26	44.25
25/10/2024 06:29:43	49.65	49.32	53.68	50.41	50.00	47.40	36.59	45.09	37.93	44.81	37.43	44.39
25/10/2024 06:30:42	49.80	49.47	53.41	50.55	49.81	47.55	36.82	45.26	38.16	44.98	37.66	44.58
25/10/2024 06:31:42	49.90	49.57	53.48	50.62	49.91	47.57	37.08	45.26	38.37	44.98	37.89	44.59
25/10/2024 06:32:41	49.99	49.67	53.36	50.71	49.81	47.67	37.10	45.36	38.42	45.09	37.93	44.71
25/10/2024 06:33:41	50.14	49.82	53.28	50.86	49.83	47.86	37.50	45.58	38.80	45.32	38.31	44.94
25/10/2024 06:34:40	50.34	50.05	53.33	51.00	49.98	47.99	38.20	45.71	39.39	45.46	38.94	45.09
25/10/2024 06:35:39	50.56	50.29	53.41	51.17	50.15	48.16	38.78	45.89	39.89	45.65	39.47	45.29
25/10/2024 06:36:40	50.67	50.45	53.62	51.18	50.32	48.18	38.98	45.92	40.06	45.68	39.65	45.32
25/10/2024 06:37:40	51.17	51.09	54.55	51.34	51.16	48.37	40.05	46.14	40.96	45.91	40.62	45.57
25/10/2024 06:38:40	51.38	51.36	54.91	51.41	51.37	48.47	39.97	46.28	40.93	46.04	40.57	45.71
25/10/2024 06:39:39	51.39	51.36	54.75	51.47	51.26	48.50	39.99	46.30	40.97	46.08	40.60	45.76
25/10/2024 06:40:39	51.62	51.59	55.01	51.69	51.62	48.69	40.71	46.46	41.56	46.23	41.24	45.91
25/10/2024 06:41:38	51.72	51.71	55.31	51.75	51.87	48.85	40.82	46.70	41.72	46.49	41.38	46.19
25/10/2024 06:42:38	51.89	51.84	55.28	52.01	51.92	49.05	41.00	46.88	41.91	46.65	41.57	46.35
25/10/2024 06:43:38	51.71	51.63	55.01	51.88	51.70	48.93	40.89	46.76	41.81	46.56	41.46	46.27
25/10/2024 06:44:37	51.81	51.75	55.29	51.94	51.99	49.02	41.23	46.88	42.11	46.69	41.78	46.41
25/10/2024 06:45:36	51.96	51.89	55.49	52.12	52.17	49.25	41.29	47.14	42.23	46.96	41.87	46.68
25/10/2024 06:46:37	52.04	51.96	55.50	52.23	52.25	49.36	41.53	47.27	42.45	47.09	42.11	46.83
25/10/2024 06:47:36	52.02	51.94	55.55	52.21	52.29	49.34	41.51	47.25	42.44	47.07	42.09	46.81
25/10/2024 06:48:35	52.17	52.08	55.65	52.38	52.39	49.54	41.60	47.49	42.60	47.33	42.22	47.10
25/10/2024 06:49:34	52.27	52.17	55.79	52.50	52.56	49.66	41.83	47.61	42.80	47.44	42.44	47.21
25/10/2024 06:50:35	52.27	52.17	55.85	52.50	52.60	49.66	41.78	47.63	42.79	47.48	42.41	47.27
25/10/2024 06:51:34	52.21	52.12	56.01	52.40	52.78	49.67	41.97	47.72	42.98	47.58	42.80	47.39
25/10/2024 06:52:34	52.39	52.29	56.20	52.61	52.98	49.90	42.17	47.99	43.23	47.87	42.83	47.70
25/10/2024 06:53:34	52.53	52.45	56.55	52.72	53.30	49.69	42.38	47.85	43.28	47.69	42.95	47.46
25/10/2024 06:54:33	52.42	52.33	56.45	52.62	53.22	49.78	42.32	47.71	43.18	47.53	42.86	47.28
25/10/2024 06:55:33	52.33	52.23	56.33	52.54	53.14	49.72	42.38	47.66	43.21	47.48	42.90	47.22
25/10/2024 06:56:32	52.25	52.17	56.45	52.43	53.24	49.44	42.41	47.19	43.00	46.94	42.78	46.58
25/10/2024 06:57:31	52.32	52.23	56.39	52.52	53.21	49.52	42.46	47.24	43.03	46.98	42.82	46.60
25/10/2024 06:58:31	52.36	52.23	56.04	52.65	52.89	49.58	42.27	47.29	42.91	47.04	42.67	46.68
25/10/2024 06:59:31	52.40	52.28	56.27	52.65	53.10	49.61	42.37	47.32	42.98	47.06	42.75	46.69
25/10/2024 07:00:30	52.63	52.52	56.51	52.88	53.38	49.77	42.78	47.41	43.30	47.14	43.11	46.75
25/10/2024 07:01:29	52.49	52.38	56.38	52.75	53.33	49.69	42.96	47.37	43.44	47.10	43.26	46.71
25/10/2024 07:02:29	52.56	52.44	56.34	52.82	53.30	49.76	43.01	47.44	43.51	47.18	43.32	46.81
25/10/2024 07:03:28	52.41	52.30	56.25	52.66	53.29	49.69	43.24	47.45	43.71	47.20	43.54	46.84
25/10/2024 07:04:27	52.66	52.55	56.13	52.92	53.20	49.96	43.36	47.73	43.88	47.49	43.68	47.14
25/10/2024 07:05:27	52.61	52.48	56.16	52.90	53.37	49.91	43.90	47.68	44.30	47.45	44.15	47.11
25/10/2024 07:06:26	52.96	52.81	56.12	53.28	53.47	50.21	44.56	47.91	44.85	47.67	44.74	47.32
25/10/2024 07:07:25	52.77	52.60	55.91	53.14	53.52	50.17	45.34	47.97	45.52	47.76	45.45	47.44
25/10/2024 07:08:25	52.96	52.70	55.16	53.53	53.12	50.49	46.04	48.25	46.13	48.03	46.10	47.72
25/10/2024 07:09:24	52.59	52.33	54.82	53.19	53.03	50.33	46.64	48.22	46.63	48.02	46.63	47.73
25/10/2024 07:10:23	53.12	52.79	54.70	53.86	53.09	50.83	47.26	48.61	47.21	48.42	47.23	48.14
25/10/2024 07:11:22	52.94	52.59	54.44	53.73	52.83	50.77	46.93	48.61	46.95	48.42	46.95	48.15

25/10/2024 07:12:22	52.64	52.30	54.34	53.39	52.81	50.76	47.13	48.83	47.18	48.65	47.16	48.39
25/10/2024 07:13:21	53.49	53.15	55.02	54.27	53.47	51.36	47.83	49.27	47.85	49.10	47.84	48.87
25/10/2024 07:14:21	53.51	53.16	54.89	54.31	53.36	51.42	47.80	49.35	47.86	49.19	47.84	48.96
25/10/2024 07:15:20	53.17	52.80	54.67	53.94	53.13	51.18	47.52	49.20	47.63	49.05	47.59	48.85
25/10/2024 07:16:19	53.91	53.55	55.32	54.70	53.79	51.81	48.19	49.77	48.30	49.64	48.26	49.45
25/10/2024 07:17:19	54.65	54.25	55.57	55.54	53.99	52.19	48.26	49.87	48.41	49.76	48.35	49.60
25/10/2024 07:18:18	55.50	55.04	55.74	56.53	54.14	52.80	48.38	50.23	48.58	50.12	48.51	49.95
25/10/2024 07:19:18	56.23	55.73	55.90	57.37	54.28	53.35	48.49	50.59	48.75	50.48	48.06	50.33
25/10/2024 07:20:17	55.91	55.44	55.97	56.97	54.35	53.30	48.55	50.76	48.82	50.64	48.72	50.47
25/10/2024 07:21:16	56.68	56.17	56.31	57.83	54.67	53.81	48.82	51.05	49.11	50.94	49.00	50.78
25/10/2024 07:22:16	57.00	56.50	56.72	58.13	55.06	54.32	49.16	51.68	49.48	51.55	49.36	51.36
25/10/2024 07:23:15	57.42	56.90	56.89	58.57	55.18	54.95	49.18	52.38	49.57	52.21	49.42	51.96
25/10/2024 07:24:15	57.13	56.65	56.97	58.20	55.23	54.88	49.14	52.51	49.57	52.34	49.41	52.09
25/10/2024 07:25:15	57.17	56.70	57.13	58.22	55.37	55.06	49.23	52.78	49.68	52.61	49.51	52.35
25/10/2024 07:26:15	57.68	57.21	57.61	58.72	55.81	55.63	49.58	53.39	50.08	53.21	49.89	52.94
25/10/2024 07:27:14	57.70	57.26	57.75	58.69	55.90	55.69	49.57	53.53	50.13	53.36	49.92	53.11
25/10/2024 07:28:14	57.95	57.52	58.11	58.91	56.23	55.93	49.80	53.79	50.39	53.63	50.17	53.40
25/10/2024 07:29:13	58.27	57.84	58.41	59.21	56.50	56.29	50.00	54.19	50.63	54.03	50.40	53.81
25/10/2024 07:30:13	57.95	57.54	58.22	58.85	56.28	55.98	49.73	53.94	50.38	53.79	50.13	53.58
25/10/2024 07:31:12	58.03	57.65	58.39	58.89	56.41	56.06	49.79	54.06	50.49	53.93	50.22	53.74
25/10/2024 07:32:12	58.48	58.11	58.85	59.33	56.86	56.57	50.26	54.62	50.98	54.49	50.71	54.30
25/10/2024 07:33:11	58.88	58.53	59.24	59.67	57.26	56.93	50.76	55.01	51.49	54.90	51.22	54.74
25/10/2024 07:34:11	59.13	58.80	59.65	59.87	57.62	57.17	51.03	55.27	51.77	55.17	51.49	55.02
25/10/2024 07:35:11	59.58	59.31	60.35	60.19	58.29	57.52	51.74	55.68	52.45	55.60	52.19	55.48
25/10/2024 07:36:10	59.53	59.29	60.01	60.06	57.98	57.47	51.78	55.68	52.50	55.61	52.23	55.50
25/10/2024 07:37:10	59.61	59.40	60.61	60.10	58.51	57.55	51.97	55.81	52.69	55.75	52.42	55.65
25/10/2024 07:38:09	60.05	59.90	58.97	60.40	57.11	57.94	52.28	56.26	53.06	56.21	52.77	56.14
25/10/2024 07:39:08	60.23	60.09	59.15	60.54	57.35	57.99	52.85	56.28	53.53	56.24	53.27	56.19
25/10/2024 07:40:08	60.48	60.37	59.12	60.75	57.43	58.19	53.47	56.48	54.08	56.46	53.85	56.42
25/10/2024 07:41:07	60.77	60.65	59.22	61.03	57.64	58.45	54.08	56.75	54.64	56.74	54.43	56.73
25/10/2024 07:42:07	60.93	60.82	59.46	61.18	57.92	58.59	54.52	56.90	55.04	56.90	54.85	56.90
25/10/2024 07:43:06	61.53	61.43	60.19	61.76	58.46	59.21	55.27	57.55	55.79	57.56	55.59	57.57
25/10/2024 07:44:06	61.32	61.20	59.85	61.58	58.35	58.92	55.08	57.21	55.58	57.23	55.39	57.26
25/10/2024 07:45:05	61.38	61.28	60.06	61.62	58.60	59.00	55.44	57.32	55.91	57.35	55.73	57.40
25/10/2024 07:46:05	61.84	61.72	60.35	62.11	58.92	59.41	55.89	57.70	56.36	57.74	56.19	57.81
25/10/2024 07:47:04	62.44	62.30	60.85	62.75	59.44	59.88	56.44	58.07	56.90	58.13	56.73	58.21
25/10/2024 07:48:04	62.53	62.37	60.69	62.88	59.29	59.90	56.35	58.03	56.83	58.10	56.65	58.18
25/10/2024 07:49:03	62.54	62.41	61.04	62.85	59.64	60.00	56.69	58.23	57.15	58.30	56.98	58.40
25/10/2024 07:50:02	63.19	63.01	61.20	63.61	59.81	60.41	56.87	58.42	57.36	58.50	57.18	58.62
25/10/2024 07:51:02	64.01	63.77	61.46	64.56	60.09	61.03	57.17	58.83	57.69	58.92	57.50	59.04
25/10/2024 07:52:01	64.22	63.96	61.75	64.81	60.41	61.13	57.54	58.87	58.03	58.98	57.84	59.14
25/10/2024 07:53:00	66.01	65.60	62.02	66.91	60.71	62.08	57.90	59.10	58.43	59.25	58.23	59.46
25/10/2024 07:54:00	66.17	65.76	62.26	67.08	60.96	62.61	58.14	59.81	58.69	59.91	58.49	60.06
25/10/2024 07:55:00	66.48	65.99	61.79	67.57	60.50	62.36	57.70	59.14	58.27	59.28	58.06	59.49

25/10/2024 07:55:59	66.66	66.13	61.76	67.85	60.53	62.45	57.82	59.12	58.39	59.28	58.18	59.50
25/10/2024 07:56:58	67.20	66.62	61.87	68.51	60.69	62.18	58.09	58.44	58.76	58.77	58.51	59.24
25/10/2024 07:57:59	67.87	67.19	61.78	69.38	60.67	60.92	58.22	56.12	58.84	56.72	58.61	57.57
25/10/2024 07:58:58	68.38	67.65	62.19	69.99	61.12	59.88	58.66	54.30	59.23	55.15	59.02	56.36
25/10/2024 07:59:58	68.38	67.68	62.28	69.96	61.15	58.90	58.51	52.94	59.18	53.99	58.93	55.49
25/10/2024 08:00:57	68.68	67.94	62.38	70.34	61.34	59.75	58.91	53.99	59.58	54.95	59.33	56.34
25/10/2024 08:01:57	68.83	68.09	62.34	70.49	61.21	59.48	58.56	53.54	59.35	54.59	59.05	56.09
25/10/2024 08:02:56	68.51	67.78	62.17	70.14	60.96	59.54	58.08	53.78	58.86	54.74	58.57	56.11
25/10/2024 08:03:55	69.16	68.38	62.21	70.91	61.01	60.06	58.18	54.15	59.04	55.12	58.72	56.51
25/10/2024 08:04:55	69.23	68.44	62.25	71.00	61.02	60.06	58.06	54.05	58.83	54.97	58.54	56.28
25/10/2024 08:05:55	69.69	68.87	62.17	71.53	60.91	60.64	57.94	54.61	58.85	55.52	59.51	56.82
25/10/2024 08:06:54	69.89	69.06	62.21	71.76	60.93	60.96	57.93	54.96	58.86	55.84	58.51	57.10
25/10/2024 08:07:54	70.05	69.22	62.43	71.92	61.18	61.25	58.24	55.27	59.07	56.09	58.76	57.27
25/10/2024 08:08:53	70.85	69.99	62.82	72.78	61.54	62.25	58.52	56.29	59.41	57.06	59.08	58.15
25/10/2024 08:09:52	70.89	70.03	62.83	72.84	61.58	62.45	58.68	56.56	59.53	57.28	59.21	58.33
25/10/2024 08:10:52	71.01	70.14	62.99	72.96	61.78	62.94	58.98	57.24	59.87	57.95	59.53	58.96
25/10/2024 08:11:51	71.03	70.16	63.08	72.96	61.89	63.26	59.16	57.71	60.03	58.37	59.71	59.32
25/10/2024 08:12:50	71.51	70.64	63.38	73.47	62.21	63.76	59.59	58.18	60.43	58.82	60.11	59.73
25/10/2024 08:13:49	71.86	71.02	64.00	73.76	62.79	64.38	60.03	58.96	60.87	59.56	60.55	60.40
25/10/2024 08:14:49	71.88	71.04	63.89	73.77	62.84	64.92	60.63	59.80	61.45	60.38	61.14	61.15
25/10/2024 08:15:49	72.31	71.42	62.51	74.30	61.76	65.59	60.96	60.54	61.81	61.06	61.49	61.60
25/10/2024 08:16:48	71.19	70.22	61.92	73.35	61.51	65.56	61.26	61.06	62.11	61.56	61.79	62.26
25/10/2024 08:17:48	72.66	71.45	61.33	75.38	61.27	66.94	61.92	61.98	62.76	62.44	62.44	63.10
25/10/2024 08:18:47	72.92	71.74	62.03	75.56	62.32	67.67	64.04	63.04	64.61	63.48	64.39	64.10
25/10/2024 08:19:46	75.26	73.86	61.82	78.41	62.48	69.20	65.46	63.89	65.82	64.10	65.68	64.70
25/10/2024 08:20:46	75.83	74.47	62.98	78.87	63.80	70.04	67.34	64.77	67.53	65.19	67.46	65.78
25/10/2024 08:21:45	76.47	75.10	63.44	79.55	64.37	70.62	68.18	65.27	68.26	65.67	68.23	66.24
25/10/2024 08:22:44	77.32	75.90	63.75	80.50	64.73	71.38	68.75	65.89	68.82	66.28	68.80	66.83
25/10/2024 08:23:44	77.58	76.14	63.75	80.78	64.77	71.93	68.97	66.57	69.07	66.91	69.03	67.40
25/10/2024 08:24:43	78.26	76.76	62.85	81.61	64.16	72.86	69.59	67.36	69.44	67.55	69.50	67.82
25/10/2024 08:25:42	78.45	76.85	62.30	82.03	64.11	73.56	70.97	68.17	70.55	68.27	70.71	68.43
25/10/2024 08:26:41	79.25	77.54	62.43	83.08	65.24	74.65	75.06	69.17	73.82	69.20	74.28	69.24
25/10/2024 08:27:41	79.57	77.90	63.21	83.32	66.12	75.15	76.27	69.94	75.07	70.04	75.52	70.20
25/10/2024 08:28:40	76.71	75.28	63.15	79.92	66.17	73.72	76.56	69.80	75.28	69.91	75.76	70.06
25/10/2024 08:29:40	77.18	75.77	64.09	80.34	67.21	74.43	77.84	70.73	76.52	70.86	77.02	71.05
25/10/2024 08:30:39	78.19	76.74	63.93	81.43	67.23	74.75	78.70	70.66	77.34	70.88	77.85	71.20
25/10/2024 08:31:38	79.59	78.12	64.05	82.88	67.30	75.70	78.94	71.34	77.77	71.61	78.21	72.00
25/10/2024 08:32:38	80.25	78.78	64.62	83.53	67.66	76.12	78.55	71.63	77.58	71.93	77.94	72.35
25/10/2024 08:33:37	81.35	79.99	63.22	84.40	68.60	76.97	79.89	72.50	78.86	72.83	79.25	73.30
25/10/2024 08:34:37	82.91	81.59	64.47	85.87	67.82	78.15	81.39	73.54	80.32	73.90	80.72	74.41
25/10/2024 08:35:36	84.41	83.05	65.36	87.46	68.86	79.58	83.06	74.90	81.98	75.29	82.39	75.84
25/10/2024 08:36:37	85.65	84.28	66.91	88.70	70.63	81.06	85.37	76.55	84.17	76.95	84.62	77.53
25/10/2024 08:37:36	86.28	84.84	65.50	89.51	69.72	82.49	86.49	78.31	85.31	78.65	85.75	79.13
25/10/2024 08:38:36	87.79	86.21	66.55	91.31	70.52	84.36	86.18	80.18	85.42	80.49	85.71	80.92

25/10/2024 08:39:35	84.86	83.43	65.57	68.07	69.44	82.87	84.56	79.37	83.27	79.29	83.75	79.16
25/10/2024 08:40:34	86.90	85.43	66.81	90.20	70.83	83.72	86.67	79.84	85.70	80.13	86.06	80.55
25/10/2024 08:41:34	84.92	83.57	66.19	87.94	70.39	83.36	86.88	80.71	86.03	80.99	86.35	81.39
25/10/2024 08:42:33	83.46	82.12	64.91	86.45	69.66	82.95	87.89	81.02	86.92	81.32	87.28	81.73
25/10/2024 08:43:32	86.24	84.72	65.11	89.66	69.78	84.25	88.06	81.07	87.08	81.38	87.45	81.81
25/10/2024 08:44:31	87.37	85.87	65.78	90.75	70.34	84.71	88.49	81.15	87.45	81.47	87.84	81.92
25/10/2024 08:45:31	87.32	85.80	65.55	90.75	70.21	84.61	88.57	81.00	87.51	81.32	87.91	81.79
25/10/2024 08:46:30	87.29	85.80	65.82	90.63	70.19	84.30	88.28	80.57	87.20	80.90	87.00	81.38
25/10/2024 08:47:29	87.70	86.15	66.18	91.19	70.53	84.64	87.69	80.75	86.76	81.08	87.11	81.55
25/10/2024 08:48:29	88.46	86.67	65.65	92.47	70.30	85.37	87.24	81.12	86.48	81.44	86.77	81.90
25/10/2024 08:49:28	88.74	86.90	65.84	92.86	70.32	85.38	87.26	80.82	86.32	81.08	86.67	81.46
25/10/2024 08:50:28	88.33	86.47	65.16	92.51	69.90	84.77	87.62	80.04	86.44	80.30	86.88	80.68
25/10/2024 08:51:28	88.94	87.07	65.43	93.14	70.15	84.84	87.88	79.74	86.57	80.00	87.07	80.38
25/10/2024 08:52:27	88.35	86.50	65.08	92.51	69.84	84.15	87.75	79.00	86.30	79.26	86.86	79.63

ZONA 7: 29/11/2024

Timo	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8	Point 9	Point 10	Point 11	Point 12	Point 13	Point 14
X (m)	76377 7.79	76377 9.04	76378 0.29	76377 7.79	76377 9.04	76378 0.29	76377 7.79	76377 9.04	76378 0.29	76377 7.79	76378 0.29	76377 7.79	76377 9.04	76378 0.29
Y (m)	92523 42.18	92523 42.18	92523 42.18	92523 43.43	92523 43.43	92523 43.43	92523 41.68	92523 44.68	92523 44.68	92523 45.93	92523 45.93	92523 47.18	92523 47.18	92523 47.18
Z (m)	3782. 69	3784. 09	3785. 58	3782. 15	3783. 69	3785. 29	3781. 87	3783. 46	3785. 05	3781. 70	3784. 84	3781. 57	3763. 13	3784. 69
29/11/2024 00:00:27	-0.20	-7.68	4.83	-0.53	-8.63	9.01	-8.58	-13.93	8.95	0.47	7.01	3.16	4.25	4.03
29/11/2024 00:01:26	-0.02	-7.70	3.94	-0.37	-8.66	8.35	-0.42	-14.06	8.37	0.64	6.80	3.32	4.44	4.14
29/11/2024 00:02:26	0.00	-7.57	4.29	-0.34	-8.52	8.65	-0.40	-13.87	8.65	0.67	7.06	3.38	4.43	4.05
29/11/2024 00:03:25	-0.05	-7.72	4.38	-0.40	-8.69	8.78	-0.45	-14.06	8.77	0.60	6.92	3.24	4.36	3.91
29/11/2024 00:04:25	-0.09	-7.63	4.68	-0.43	-8.59	8.97	-0.48	-13.92	8.94	0.56	7.00	3.24	4.35	4.05
29/11/2024 00:05:24	-0.03	-7.54	4.80	-0.36	-8.49	9.22	-0.41	-13.82	9.21	0.64	7.17	3.28	4.37	3.95
29/11/2024 00:06:24	0.05	-7.59	4.19	-0.30	-8.55	8.53	-0.35	-13.94	8.53	0.70	6.97	3.38	4.55	4.25
29/11/2024 00:07:23	0.27	-7.30	5.47	-0.08	-8.25	9.63	-0.13	-13.57	9.56	0.93	7.34	3.62	4.71	4.29
29/11/2024 00:08:23	0.33	-7.27	4.63	-0.01	-8.23	8.92	-0.07	-13.59	8.90	0.98	7.28	3.65	4.82	4.60
29/11/2024 00:09:22	0.37	-7.26	4.74	0.03	-8.22	9.09	-0.03	-13.58	9.08	1.03	7.29	3.68	4.75	4.31
29/11/2024 00:10:22	0.27	-7.37	4.97	-0.09	-8.33	9.30	-0.14	-13.88	9.28	0.92	7.37	3.62	4.75	4.38
29/11/2024 00:11:22	0.19	-7.43	4.74	-0.15	-8.39	9.13	-0.20	-13.77	9.12	0.85	7.18	3.50	4.54	3.97
29/11/2024 00:12:21	-0.01	-7.63	4.92	-0.37	-8.58	9.22	-0.43	-13.91	9.18	0.62	7.12	3.31	4.44	4.01
29/11/2024 00:13:21	-0.04	-7.73	4.36	-0.41	-8.69	8.83	-0.47	-14.06	8.84	0.61	6.96	3.25	4.27	3.81
29/11/2024 00:14:20	0.03	-7.70	4.39	-0.34	-8.67	8.92	-0.40	-14.08	8.94	0.66	7.22	3.36	4.50	3.93
29/11/2024 00:15:20	0.00	-7.75	4.39	-0.38	-8.72	8.84	-0.42	-14.14	8.84	0.68	7.01	3.32	4.42	3.89
29/11/2024 00:16:20	-0.06	-7.72	4.51	-0.41	-8.69	8.91	-0.47	-14.07	8.90	0.59	7.03	3.29	4.48	4.05
29/11/2024 00:17:19	0.11	-7.49	4.77	-0.22	-8.45	9.12	-0.27	-13.83	9.10	0.76	7.10	3.43	4.52	3.92
29/11/2024 00:18:19	0.04	-7.57	4.75	-0.30	-8.53	9.26	-0.35	-13.92	9.27	0.71	7.30	3.44	4.66	3.98
29/11/2024 00:19:18	0.11	-7.54	4.73	-0.24	-8.50	9.23	-0.30	-13.89	9.24	0.77	7.27	3.45	4.63	4.08
29/11/2024 00:20:18	-0.06	-7.67	4.77	-0.42	-8.63	9.16	-0.48	-13.97	9.14	0.59	7.15	3.32	4.63	4.00
29/11/2024 00:21:17	-0.10	-7.78	4.57	-0.46	-8.77	9.03	-0.52	-14.16	9.02	0.56	7.02	3.25	4.40	3.88
29/11/2024 00:22:16	-0.06	-7.70	4.67	-0.42	-8.64	9.15	-0.47	-14.03	9.15	0.57	7.05	3.25	4.40	3.79
29/11/2024 00:23:17	0.00	-7.62	4.76	-0.35	-8.58	9.20	-0.41	-13.93	9.19	0.65	7.12	3.29	4.48	3.79
29/11/2024 00:24:16	0.10	-7.53	5.01	-0.26	-8.48	9.49	-0.32	-13.81	9.49	0.76	7.37	3.45	4.64	4.02
29/11/2024 00:25:15	0.19	-7.49	4.97	-0.16	-8.45	9.47	-0.22	-13.84	9.47	0.86	7.30	3.53	4.64	3.94
29/11/2024 00:26:15	0.19	-7.42	4.95	-0.16	-8.38	9.50	-0.22	-13.72	9.52	0.86	7.50	3.55	4.75	3.99
29/11/2024 00:27:15	0.26	-7.35	5.50	-0.08	-8.31	9.85	-0.14	-13.67	9.80	0.96	7.22	3.65	4.91	4.18
29/11/2024 00:28:14	0.10	-7.61	4.88	-0.27	-8.58	9.26	-0.32	-13.98	9.23	0.80	6.92	3.55	4.96	4.08
29/11/2024 00:29:14	0.14	-7.56	4.83	-0.21	-8.53	9.16	-0.27	-13.95	9.12	0.86	6.84	3.56	4.87	4.05
29/11/2024 00:30:14	-0.02	-7.75	4.93	-0.38	-8.71	9.30	-0.44	-14.13	9.26	0.70	6.89	3.42	4.73	4.02
29/11/2024 00:31:13	0.05	-7.68	5.18	-0.31	-8.65	9.43	-0.37	-14.06	9.36	0.75	6.94	3.41	4.68	4.10
29/11/2024 00:32:13	-0.04	-7.73	5.00	-0.42	-8.69	9.47	-0.48	-14.04	9.45	0.64	7.02	3.35	4.73	3.99
29/11/2024 00:33:12	-0.04	-7.68	5.28	-0.40	-8.64	9.51	-0.46	-13.99	9.43	0.66	6.88	3.32	4.65	3.95
29/11/2024 00:34:12	0.07	-7.60	5.04	-0.30	-8.56	9.23	-0.38	-13.93	9.16	0.76	7.00	3.47	4.79	4.26
29/11/2024 00:35:11	0.08	-7.62	4.86	-0.30	-8.58	9.26	-0.36	-13.95	9.24	0.78	6.92	3.45	4.74	3.96
29/11/2024 00:36:11	0.02	-7.67	5.31	-0.36	-8.63	9.57	-0.41	-14.00	9.50	0.72	7.11	3.44	4.76	4.16
29/11/2024 00:37:10	0.15	-7.51	5.19	-0.21	-8.47	9.46	-0.26	-13.84	9.41	0.84	6.97	3.51	4.79	4.19
29/11/2024 00:38:11	0.13	-7.50	5.48	-0.23	-8.46	9.62	-0.28	-13.82	9.53	0.81	7.09	3.50	4.86	4.26

29/11/2024 00:39:10	0.15	-7.51	5.70	-0.22	-8.47	9.79	-0.27	-13.83	9.68	0.86	7.18	3.53	4.77	4.23
29/11/2024 00:40:09	0.07	-7.64	5.21	-0.30	-8.60	9.51	-0.36	-13.99	9.46	0.77	7.14	3.47	4.82	4.19
29/11/2024 00:41:10	0.05	-7.62	5.19	-0.32	-8.57	9.55	-0.38	-13.93	9.51	0.73	6.96	3.40	4.77	3.97
29/11/2024 00:42:09	0.02	-7.59	5.47	-0.33	-8.54	9.49	-0.39	-13.90	9.37	0.72	6.92	3.43	4.76	4.12
29/11/2024 00:43:09	0.09	-7.52	5.98	-0.27	-8.47	9.97	-0.33	-13.80	9.83	0.82	7.12	3.51	4.64	4.13
29/11/2024 00:44:09	0.15	-7.49	5.39	-0.20	-8.45	9.74	-0.26	-13.81	9.69	0.87	7.32	3.60	4.91	4.33
29/11/2024 00:45:08	0.22	-7.51	5.15	-0.16	-8.47	9.51	-0.22	-13.84	9.47	0.93	7.17	3.60	4.82	4.26
29/11/2024 00:46:08	0.11	-7.57	5.11	-0.26	-8.54	9.55	-0.32	-13.91	9.52	0.81	7.23	3.50	4.80	4.19
29/11/2024 00:47:08	0.01	-7.67	5.18	-0.36	-8.63	9.47	-0.42	-13.99	9.41	0.71	7.02	3.39	4.64	4.05
29/11/2024 00:48:07	0.16	-7.57	4.82	-0.22	-8.54	9.18	-0.28	-13.92	9.15	0.85	7.13	3.54	4.78	4.40
29/11/2024 00:49:06	0.18	-7.57	5.01	-0.20	-8.54	9.33	-0.26	-13.93	9.29	0.89	7.12	3.55	4.76	4.29
29/11/2024 00:50:06	0.13	-7.63	4.89	-0.25	-8.60	9.32	-0.31	-14.01	9.31	0.82	7.33	3.51	4.64	4.45
29/11/2024 00:51:06	0.19	-7.47	5.47	-0.18	-8.43	9.82	-0.24	-13.79	9.77	0.89	7.27	3.58	4.82	4.21
29/11/2024 00:52:06	0.17	-7.52	5.18	-0.19	-8.48	9.52	-0.25	-13.87	9.48	0.86	7.18	3.57	4.91	4.34
29/11/2024 00:53:05	0.14	-7.57	5.06	-0.23	-8.53	9.39	-0.29	-13.93	9.34	0.87	7.04	3.61	4.91	4.19
29/11/2024 00:54:05	0.20	-7.51	5.24	-0.18	-8.47	9.62	-0.24	-13.85	9.59	0.90	7.18	3.64	5.03	4.17
29/11/2024 00:55:04	0.16	-7.54	5.24	-0.21	-8.50	9.55	-0.27	-13.89	9.50	0.87	6.92	3.59	4.88	4.12
29/11/2024 00:56:03	0.11	-7.61	5.38	-0.28	-8.57	9.65	-0.34	-13.95	9.58	0.84	7.01	3.64	5.02	4.34
29/11/2024 00:57:04	0.28	-7.49	5.71	-0.09	-8.46	9.65	-0.15	-13.88	9.51	1.00	6.88	3.71	5.06	4.36
29/11/2024 00:58:03	0.35	-7.49	5.34	-0.05	-8.46	9.76	-0.11	-13.89	9.73	1.03	7.06	3.75	5.12	4.26
29/11/2024 00:59:02	0.24	-7.56	5.55	-0.14	-8.53	9.65	-0.20	-13.97	9.54	0.96	6.96	3.67	5.03	4.39
29/11/2024 01:00:02	0.18	-7.65	4.94	-0.21	-8.63	9.14	-0.26	-14.09	9.08	0.90	6.94	3.65	5.14	4.46
29/11/2024 01:01:01	0.22	-7.63	4.94	-0.19	-8.61	9.15	-0.26	-14.04	9.08	0.92	6.70	3.58	5.02	4.38
29/11/2024 01:02:01	0.28	-7.62	4.99	-0.15	-8.60	9.27	-0.21	-14.01	9.21	0.96	6.87	3.64	5.04	4.42
29/11/2024 01:03:00	0.51	-7.39	4.95	0.09	-8.36	9.24	0.03	-13.83	9.20	1.21	7.02	3.91	5.27	4.60
29/11/2024 01:04:00	0.48	-7.37	5.60	0.07	-8.34	9.69	0.01	-13.77	9.59	1.20	7.23	3.92	5.29	4.75
29/11/2024 01:04:59	0.33	-7.50	5.13	-0.09	-8.47	9.45	-0.15	-13.89	9.40	1.04	6.95	3.74	5.01	4.26
29/11/2024 01:05:59	0.28	-7.59	5.42	-0.16	-8.56	9.63	-0.22	-13.96	9.55	0.96	6.89	3.65	5.00	4.16
29/11/2024 01:06:58	0.06	-7.80	5.06	-0.37	-8.77	9.40	-0.43	-14.17	9.34	0.75	6.62	3.43	4.88	3.94
29/11/2024 01:07:57	0.00	-7.82	5.09	-0.42	-8.78	9.40	-0.48	-14.17	9.35	0.69	6.49	3.39	4.97	3.85
29/11/2024 01:08:57	0.11	-7.65	5.29	-0.30	-8.61	9.63	-0.36	-13.98	9.58	0.79	6.60	3.48	4.95	3.90
29/11/2024 01:09:56	0.17	-7.65	5.06	-0.25	-8.62	9.31	-0.31	-14.03	9.24	0.87	6.77	3.60	5.15	4.30
29/11/2024 01:10:56	0.35	-7.41	5.16	-0.05	-8.38	9.47	-0.10	-13.79	9.43	1.06	7.00	3.74	5.28	4.38
29/11/2024 01:11:56	0.41	-7.34	5.43	0.00	-8.30	9.74	-0.05	-13.69	9.69	1.10	7.17	3.83	5.40	4.50
29/11/2024 01:12:55	0.39	-7.41	5.12	-0.02	-8.38	9.40	-0.08	-13.79	9.35	1.09	6.88	3.77	5.27	4.30
29/11/2024 01:13:55	0.34	-7.45	5.28	-0.07	-8.41	9.54	-0.13	-13.80	9.48	1.04	6.90	3.75	5.25	4.21
29/11/2024 01:14:54	0.22	-7.59	5.21	-0.20	-8.55	9.49	-0.26	-13.94	9.44	0.92	6.71	3.61	5.08	4.03
29/11/2024 01:15:55	0.09	-7.68	5.19	-0.32	-8.64	9.47	-0.38	-14.02	9.41	0.79	6.79	3.49	4.97	3.92
29/11/2024 01:16:54	0.04	-7.78	4.78	-0.38	-8.74	9.13	-0.44	-14.14	9.10	0.74	6.65	3.44	4.88	3.78
29/11/2024 01:17:54	0.16	-7.53	5.25	-0.24	-8.49	9.49	-0.30	-13.85	9.43	0.85	6.85	3.55	5.04	4.10
29/11/2024 01:18:53	0.07	-7.75	5.16	-0.36	-8.71	9.44	-0.42	-14.09	9.38	0.74	6.59	3.41	4.84	3.84
29/11/2024 01:19:53	0.07	-7.68	5.20	-0.35	-8.65	9.55	-0.41	-14.00	9.50	0.74	6.71	3.41	4.89	3.80
29/11/2024 01:20:52	0.17	-7.64	5.17	-0.26	-8.61	9.51	-0.32	-13.99	9.46	0.87	6.62	3.55	4.89	3.94
29/11/2024 01:21:52	0.23	-7.49	5.32	-0.17	-8.45	9.58	-0.23	-13.82	9.52	0.95	6.99	3.69	5.14	4.21

29/11/2024 01:22:52	0.25	-7.49	5.57	-0.16	-8.45	9.90	-0.23	-13.78	9.64	0.97	7.05	3.65	5.01	4.03
29/11/2024 01:23:51	0.33	-7.53	5.31	-0.11	-8.49	9.68	-0.17	-13.88	9.63	1.01	7.07	3.72	5.17	4.19
29/11/2024 01:24:51	0.33	-7.42	5.75	-0.10	-8.37	9.94	-0.16	-13.70	9.86	1.02	7.12	3.68	4.96	4.24
29/11/2024 01:25:51	0.27	-7.56	5.36	-0.17	-8.52	9.62	-0.23	-13.88	9.56	0.96	7.00	3.65	5.04	4.19
29/11/2024 01:26:50	0.31	-7.55	5.43	-0.13	-8.51	9.81	-0.20	-13.88	9.77	1.00	7.05	3.64	4.94	4.09
29/11/2024 01:27:49	0.36	-7.44	5.74	-0.07	-8.39	9.96	-0.14	-13.74	9.88	1.06	7.18	3.76	5.15	4.30
29/11/2024 01:28:50	0.37	-7.36	5.94	-0.04	-8.31	10.17	-0.10	-13.65	10.08	1.07	7.19	3.73	5.09	4.16
29/11/2024 01:29:49	0.28	-7.53	5.76	-0.15	-8.48	10.04	-0.22	-13.84	9.96	0.98	7.24	3.67	4.98	4.05
29/11/2024 01:30:49	0.22	-7.52	5.52	-0.19	-8.48	9.75	-0.25	-13.63	9.67	0.94	6.99	3.61	4.97	4.28
29/11/2024 01:31:48	0.27	-7.50	5.54	-0.15	-8.45	9.70	-0.21	-13.81	9.61	0.97	7.09	3.66	5.08	4.30
29/11/2024 01:32:48	0.37	-7.32	5.81	-0.04	-8.28	10.07	-0.10	-13.59	10.00	1.10	7.11	3.75	5.05	4.03
29/11/2024 01:33:47	0.35	-7.34	5.98	-0.05	-8.29	10.20	-0.11	-13.61	10.11	1.06	7.23	3.72	5.04	4.12
29/11/2024 01:34:47	0.27	-7.54	6.23	-0.16	-8.49	10.33	-0.22	-13.85	10.20	0.98	7.24	3.64	4.99	4.13
29/11/2024 01:35:48	0.22	-7.57	5.87	-0.21	-8.52	10.02	-0.27	-13.88	9.91	0.92	7.15	3.58	4.90	4.20
29/11/2024 01:36:46	0.33	-7.41	6.49	-0.08	-8.36	10.48	-0.15	-13.70	10.32	1.05	7.18	3.71	5.03	4.20
29/11/2024 01:37:46	0.27	-7.51	6.09	-0.16	-8.46	10.16	-0.22	-13.81	10.02	0.99	7.17	3.69	5.03	4.31
29/11/2024 01:38:45	0.41	-7.36	6.51	-0.01	-8.32	10.56	-0.07	-13.66	10.41	1.10	7.26	3.72	4.94	4.25
29/11/2024 01:39:44	0.54	-7.18	5.80	0.14	-8.14	10.00	0.08	-13.49	9.92	1.24	7.13	3.90	5.23	4.27
29/11/2024 01:40:44	0.45	-7.26	5.64	0.05	-8.22	9.93	-0.01	-13.57	9.87	1.16	6.99	3.79	5.08	4.13
29/11/2024 01:41:43	0.51	-7.23	5.62	0.10	-8.19	9.84	0.05	-13.55	9.76	1.20	7.02	3.87	5.26	4.19
29/11/2024 01:42:43	0.25	-7.44	5.45	-0.14	-8.40	9.75	-0.19	-13.77	9.69	0.97	6.83	3.59	4.90	3.92
29/11/2024 01:43:42	0.33	-7.37	5.39	-0.05	-8.33	9.64	-0.11	-13.72	9.58	1.04	6.87	3.69	5.03	4.12
29/11/2024 01:44:42	0.32	-7.42	5.42	-0.10	-8.38	9.76	-0.16	-13.72	9.71	1.03	6.72	3.68	5.03	3.85
29/11/2024 01:45:42	0.50	-7.24	5.61	0.09	-8.20	9.82	0.04	-13.56	9.75	1.21	6.97	3.88	5.28	4.29
29/11/2024 01:46:41	0.69	-6.99	5.91	0.31	-7.95	10.07	0.25	-13.31	9.99	1.42	7.11	4.07	5.42	4.23
29/11/2024 01:47:41	0.42	-7.30	5.68	0.02	-8.26	9.93	-0.04	-13.61	9.86	1.14	6.96	3.83	5.23	4.07
29/11/2024 01:48:40	0.41	-7.37	5.62	-0.01	-8.33	9.86	-0.07	-13.69	9.79	1.10	6.87	3.71	5.04	4.07
29/11/2024 01:49:40	0.44	-7.32	5.16	0.03	-8.28	9.47	-0.03	-13.66	9.44	1.14	6.89	3.78	5.09	4.16
29/11/2024 01:50:39	0.40	-7.33	5.54	0.00	-8.29	9.76	-0.06	-13.67	9.69	1.12	6.84	3.78	5.21	3.91
29/11/2024 01:51:39	0.35	-7.43	5.36	-0.07	-8.39	9.70	-0.13	-13.76	9.65	1.07	6.73	3.73	5.18	3.91
29/11/2024 01:52:39	0.38	-7.36	5.33	-0.04	-8.32	9.67	-0.09	-13.69	9.63	1.09	6.69	3.74	5.14	3.89
29/11/2024 01:53:38	0.30	-7.43	5.57	-0.11	-8.39	9.77	-0.17	-13.73	9.69	1.01	6.74	3.69	5.19	4.02
29/11/2024 01:54:38	0.38	-7.36	5.77	-0.04	-8.31	9.90	-0.10	-13.65	9.80	1.08	6.85	3.71	5.06	4.25
29/11/2024 01:55:38	0.41	-7.36	5.71	-0.01	-8.32	9.88	-0.08	-13.67	9.79	1.13	6.83	3.81	5.28	4.06
29/11/2024 01:56:37	0.41	-7.38	5.55	-0.01	-8.35	9.82	-0.07	-13.72	9.75	1.11	6.74	3.72	5.11	4.02
29/11/2024 01:57:36	0.36	-7.34	5.88	-0.06	-8.30	9.99	-0.12	-13.62	9.88	1.05	6.84	3.70	5.09	4.19
29/11/2024 01:58:36	0.41	-7.44	5.60	-0.04	-8.40	9.84	-0.10	-13.77	9.76	1.08	6.68	3.70	5.05	4.03
29/11/2024 01:59:35	0.38	-7.51	5.57	-0.08	-8.47	9.77	-0.15	-13.83	9.68	1.05	6.75	3.70	5.12	4.10
29/11/2024 02:00:35	0.44	-7.38	5.70	-0.01	-8.34	9.97	-0.07	-13.68	9.90	1.12	6.69	3.72	5.11	3.85
29/11/2024 02:01:34	0.36	-7.46	5.73	-0.09	-8.42	9.94	-0.16	-13.75	9.85	1.04	6.78	3.69	5.11	4.08
29/11/2024 02:02:33	0.37	-7.39	5.92	-0.05	-8.35	10.14	-0.11	-13.70	10.04	1.08	6.90	3.68	4.92	4.10
29/11/2024 02:03:33	0.39	-7.45	5.81	-0.04	-8.41	10.01	-0.11	-13.78	9.91	1.07	6.87	3.68	5.03	4.16
29/11/2024 02:04:32	0.37	-7.48	6.02	-0.07	-8.44	10.22	-0.14	-13.81	10.12	1.06	6.87	3.64	4.93	4.02
29/11/2024 02:05:32	0.30	-7.53	5.55	-0.15	-8.49	9.92	-0.21	-13.84	9.86	0.99	6.77	3.62	5.03	4.01

29/11/2024 02:06:32	0.35	-7.57	5.87	-0.10	-8.54	10.08	-0.16	-13.94	9.97	1.02	6.72	3.62	4.91	3.99
29/11/2024 02:07:31	0.48	-7.41	5.42	0.05	-8.38	9.63	-0.01	-13.83	9.55	1.15	6.61	3.84	5.46	4.09
29/11/2024 02:08:31	0.60	-7.34	5.20	0.15	-8.31	9.58	0.09	-13.77	9.55	1.28	6.68	3.93	5.55	4.16
29/11/2024 02:09:30	0.49	-7.42	5.88	0.04	-8.38	9.77	-0.02	-13.79	9.66	1.16	6.61	3.80	5.48	4.12
29/11/2024 02:10:30	0.44	-7.57	5.33	-0.01	-8.55	9.58	-0.07	-14.01	9.51	1.11	6.95	3.70	5.06	4.43
29/11/2024 02:11:30	0.33	-7.60	5.10	-0.10	-8.58	9.52	-0.16	-14.02	9.49	1.02	6.84	3.66	5.13	4.22
29/11/2024 02:12:29	0.55	-7.50	5.62	0.09	-8.48	10.18	0.02	-13.94	10.15	1.20	7.29	3.73	5.01	4.23
29/11/2024 02:13:29	0.54	-7.47	5.57	0.08	-8.45	10.02	0.02	-13.90	9.99	1.19	7.19	3.75	5.11	4.24
29/11/2024 02:14:28	0.73	-7.20	5.96	0.29	-8.17	10.22	0.22	-13.59	10.14	1.39	7.44	3.96	5.30	4.51
29/11/2024 02:15:27	0.92	-7.05	5.92	0.48	-8.03	10.48	0.42	-13.48	10.46	1.58	7.68	4.17	5.59	4.45
29/11/2024 02:16:27	0.90	-7.07	5.93	0.44	-8.04	10.36	0.37	-13.46	10.32	1.54	7.65	4.11	5.46	4.51
29/11/2024 02:17:27	0.69	-7.29	5.67	0.23	-8.27	9.87	0.16	-13.70	9.79	1.32	7.33	3.89	5.24	4.41
29/11/2024 02:18:27	0.72	-7.27	5.75	0.25	-8.24	10.24	0.18	-13.66	10.21	1.34	7.50	3.91	5.27	4.30
29/11/2024 02:19:26	0.63	-7.34	5.88	0.16	-8.31	10.23	0.10	-13.71	10.17	1.27	7.43	3.86	5.19	4.36
29/11/2024 02:20:25	0.58	-7.46	5.73	0.10	-8.43	10.01	0.03	-13.85	9.93	1.20	7.29	3.76	5.14	4.19
29/11/2024 02:21:25	0.65	-7.37	5.58	0.19	-8.35	10.19	0.12	-13.79	10.18	1.31	7.47	3.86	5.20	4.26
29/11/2024 02:22:24	0.45	-7.46	5.57	0.02	-8.43	10.07	-0.05	-13.84	10.04	1.12	7.25	3.70	5.02	4.14
29/11/2024 02:23:25	0.44	-7.45	5.75	0.00	-8.42	10.60	-0.06	-13.81	10.63	1.10	7.38	3.68	5.08	4.13
29/11/2024 02:24:24	0.51	-7.36	5.88	0.09	-8.32	10.58	0.02	-13.73	10.58	1.21	7.45	3.84	5.26	4.16
29/11/2024 02:25:23	0.37	-7.45	5.76	-0.05	-8.41	10.65	-0.12	-13.78	10.69	1.08	7.46	3.76	5.27	3.94
29/11/2024 02:26:24	-0.75	-8.50	4.68	-1.18	-9.45	9.14	-1.24	-14.78	9.10	-0.11	5.86	2.50	4.08	3.69
29/11/2024 02:27:23	-0.87	-8.63	4.60	-1.34	-9.58	9.11	-1.40	-14.86	9.08	-0.23	5.87	2.43	4.05	3.62
29/11/2024 02:28:23	-1.12	-8.98	4.31	-1.54	-9.95	8.83	-1.60	-15.36	8.80	-0.44	5.76	2.19	3.56	3.57
29/11/2024 02:29:23	-1.01	-9.06	4.53	-1.47	-10.03	9.66	-1.55	-15.46	9.73	-0.34	6.45	2.30	3.59	4.01
29/11/2024 02:30:22	0.57	-7.27	5.89	0.16	-8.24	10.58	0.10	-13.63	10.59	1.27	7.38	3.89	5.31	4.27
29/11/2024 02:31:22	0.49	-7.43	5.71	0.04	-8.39	10.67	-0.03	-13.79	10.73	1.16	7.39	3.79	5.31	4.30
29/11/2024 02:32:22	0.59	-7.24	5.81	0.16	-8.21	10.70	0.10	-13.59	10.74	1.29	7.44	3.95	5.25	4.20
29/11/2024 02:33:22	0.96	-6.97	6.12	0.51	-7.94	11.07	0.45	-13.36	11.12	1.65	7.93	4.31	5.69	4.55
29/11/2024 02:34:21	1.35	-6.36	6.48	0.96	-7.32	10.91	0.91	-12.72	10.88	2.04	7.83	4.73	6.23	4.47
29/11/2024 02:35:20	0.94	-6.83	6.06	0.53	-7.80	10.68	0.46	-13.17	10.68	1.63	7.57	4.36	5.94	4.38
29/11/2024 02:36:20	0.72	-7.10	5.96	0.29	-8.06	10.63	0.23	-13.44	10.64	1.38	7.58	4.05	5.50	4.25
29/11/2024 02:37:19	0.76	-7.16	5.95	0.31	-8.13	10.79	0.24	-13.52	10.82	1.42	7.76	4.15	5.61	4.37
29/11/2024 02:38:20	1.07	-6.78	6.34	0.64	-7.74	11.28	0.58	-13.14	11.33	1.75	7.98	4.44	5.94	4.43
29/11/2024 02:39:19	1.18	-6.66	6.31	0.75	-7.62	10.98	0.69	-13.03	10.99	1.85	7.83	4.55	6.26	4.52
29/11/2024 02:40:18	1.09	-6.86	6.30	0.64	-7.83	10.46	0.57	-13.26	10.37	1.75	7.58	4.45	6.02	4.70
29/11/2024 02:41:18	1.14	-6.71	6.51	0.69	-7.67	11.54	0.63	-13.04	11.60	1.83	7.77	4.53	6.14	4.21
29/11/2024 02:42:17	1.15	-6.82	6.38	0.68	-7.78	11.42	0.61	-13.17	11.49	1.86	7.55	4.53	6.13	4.11
29/11/2024 02:43:17	1.23	-6.66	6.43	0.77	-7.62	11.55	0.70	-12.99	11.63	1.94	7.54	4.63	6.33	4.21
29/11/2024 02:44:16	1.24	-6.64	6.50	0.78	-7.61	11.51	0.71	-12.98	11.57	1.94	7.51	4.61	6.35	4.17
29/11/2024 02:45:16	1.11	-6.74	6.52	0.64	-7.69	11.71	0.57	-13.02	11.80	1.82	7.62	4.49	6.23	4.14
29/11/2024 02:46:15	0.96	-6.88	6.37	0.49	-7.84	11.52	0.43	-13.17	11.61	1.67	7.44	4.33	5.96	4.12
29/11/2024 02:47:16	0.90	-6.87	6.35	0.44	-7.82	11.45	0.37	-13.12	11.53	1.62	7.43	4.31	5.93	4.06
29/11/2024 02:48:15	0.76	-7.07	6.36	0.30	-8.02	11.63	0.24	-13.37	11.73	1.44	7.62	4.09	5.70	4.30
29/11/2024 02:49:14	0.78	-6.96	6.21	0.33	-7.91	11.27	0.27	-13.23	11.35	1.46	7.26	4.13	5.90	3.99

29/11/2024 02:50:14	0.78	-6.99	6.27	0.32	-7.93	11.35	0.26	-13.24	11.42	1.45	7.33	4.09	5.82	4.10
29/11/2024 02:51:13	0.84	-6.95	6.38	0.38	-7.90	11.57	0.32	-13.23	11.67	1.52	7.59	4.18	5.90	4.27
29/11/2024 02:52:13	0.81	-6.95	6.30	0.37	-7.90	11.38	0.30	-13.23	11.46	1.49	7.39	4.13	5.88	4.10
29/11/2024 02:53:13	0.71	-7.01	6.22	0.26	-7.97	11.44	0.20	-13.29	11.55	1.34	7.47	4.00	5.88	4.17
29/11/2024 02:54:13	0.78	-7.03	6.35	0.29	-7.98	11.46	0.23	-13.28	11.53	1.36	7.56	3.94	5.68	4.30
29/11/2024 02:55:13	0.64	-7.14	6.19	0.15	-8.09	11.25	0.09	-13.36	11.32	1.19	7.42	3.78	5.52	4.24
29/11/2024 02:56:13	0.74	-7.11	6.16	0.25	-8.06	11.10	0.18	-13.38	11.14	1.30	7.37	3.89	5.55	4.19
29/11/2024 02:57:12	0.79	-6.98	6.34	0.30	-7.93	11.35	0.24	-13.20	11.42	1.34	7.56	3.94	5.66	4.33
29/11/2024 02:58:12	0.84	-6.98	6.36	0.34	-7.92	11.31	0.27	-13.20	11.36	1.37	7.52	3.97	5.73	4.35
29/11/2024 02:59:11	0.85	-7.05	6.24	0.33	-8.00	11.18	0.26	-13.30	11.22	1.38	7.57	3.98	5.72	4.30
29/11/2024 03:00:11	0.71	-7.09	6.24	0.22	-8.03	11.07	0.16	-13.31	11.10	1.27	7.39	3.85	5.54	4.25
29/11/2024 03:01:10	0.63	-7.27	6.08	0.11	-8.22	11.10	0.05	-13.52	11.16	1.17	7.45	3.75	5.43	4.21
29/11/2024 03:02:10	0.68	-7.13	6.27	0.18	-8.07	11.15	0.11	-13.34	11.18	1.24	7.49	3.86	5.59	4.31
29/11/2024 03:03:09	0.80	-7.05	6.35	0.29	-8.00	11.36	0.22	-13.29	11.42	1.36	7.63	3.97	5.71	4.23
29/11/2024 03:04:08	0.68	-7.26	6.17	0.15	-8.21	11.26	0.08	-13.53	11.33	1.22	7.48	3.81	5.56	4.23
29/11/2024 03:05:08	0.65	-7.29	6.13	0.11	-8.24	11.23	0.04	-13.54	11.30	1.19	7.54	3.77	5.46	4.36
29/11/2024 03:06:07	0.60	-7.34	6.13	0.06	-8.29	11.22	-0.01	-13.59	11.29	1.14	7.49	3.71	5.40	4.10
29/11/2024 03:07:07	0.68	-7.24	6.21	0.14	-8.19	11.26	0.07	-13.47	11.32	1.22	7.55	3.80	5.52	4.25
29/11/2024 03:08:07	0.67	-7.23	6.23	0.13	-8.17	11.23	0.08	-13.45	11.29	1.22	7.49	3.80	5.54	4.16
29/11/2024 03:09:07	0.44	-7.50	6.00	-0.10	-8.45	11.14	-0.17	-13.74	11.22	0.98	7.42	3.58	5.33	4.13
29/11/2024 03:10:06	0.17	-7.71	5.77	-0.37	-8.65	10.82	-0.43	-13.92	10.89	0.74	7.11	3.36	5.06	3.95
29/11/2024 03:11:06	0.17	-7.69	5.73	-0.35	-8.64	10.88	-0.41	-13.93	10.96	0.75	7.17	3.38	5.16	4.06
29/11/2024 03:12:05	0.38	-7.47	6.02	-0.13	-8.42	11.31	-0.20	-13.72	11.41	0.97	7.54	3.60	5.35	4.17
29/11/2024 03:13:05	0.65	-7.20	6.19	0.13	-8.14	11.30	0.06	-13.42	11.38	1.23	7.60	3.91	5.80	4.35
29/11/2024 03:14:04	0.74	-7.13	6.27	0.22	-8.07	11.26	0.15	-13.36	11.31	1.33	7.64	3.97	5.73	4.33
29/11/2024 03:15:03	0.80	-7.15	6.22	0.26	-8.11	11.28	0.19	-13.43	11.34	1.39	7.63	4.05	5.81	4.29
29/11/2024 03:16:03	0.97	-6.93	6.40	0.45	-7.89	11.45	0.38	-13.20	11.51	1.55	7.82	4.17	5.95	4.42
29/11/2024 03:17:02	0.92	-6.94	6.43	0.39	-7.89	11.61	0.32	-13.17	11.70	1.51	7.87	4.17	6.04	4.38
29/11/2024 03:18:02	1.08	-6.74	6.59	0.58	-7.69	11.50	0.51	-13.00	11.54	1.89	7.88	4.35	6.14	4.38
29/11/2024 03:19:01	0.96	-6.97	6.41	0.42	-7.92	11.46	0.35	-13.23	11.53	1.56	7.90	4.20	5.95	4.38
29/11/2024 03:20:01	0.79	-7.12	6.20	0.25	-8.06	11.23	0.18	-13.36	11.30	1.37	7.55	4.00	5.84	4.16
29/11/2024 03:21:00	0.96	-6.95	6.46	0.42	-7.90	11.69	0.35	-13.20	11.78	1.53	7.92	4.17	5.99	4.45
29/11/2024 03:22:00	0.91	-7.04	6.38	0.36	-7.99	11.62	0.29	-13.29	11.72	1.49	7.95	4.09	5.82	4.39
29/11/2024 03:22:59	0.94	-6.99	6.40	0.40	-7.94	11.67	0.33	-13.23	11.77	1.54	7.95	4.18	5.99	4.45
29/11/2024 03:23:58	1.02	-6.92	6.44	0.48	-7.87	11.55	0.41	-13.17	11.63	1.61	7.94	4.23	6.01	4.46
29/11/2024 03:24:59	1.03	-6.92	6.38	0.48	-7.87	11.46	0.41	-13.18	11.53	1.63	7.90	4.29	6.12	4.51
29/11/2024 03:25:59	1.07	-6.84	6.53	0.52	-7.78	11.63	0.46	-13.07	11.71	1.68	8.04	4.31	6.05	4.51
29/11/2024 03:26:58	1.00	-6.89	6.54	0.46	-7.84	11.90	0.39	-13.12	12.02	1.61	8.32	4.24	5.97	4.74
29/11/2024 03:27:58	1.17	-6.75	6.64	0.62	-7.70	11.91	0.55	-12.99	12.01	1.77	8.31	4.39	6.08	4.71
29/11/2024 03:28:57	1.20	-6.69	6.70	0.66	-7.64	12.02	0.59	-12.93	12.13	1.82	8.43	4.47	6.20	4.88
29/11/2024 03:29:56	1.17	-6.69	6.72	0.62	-7.63	11.86	0.56	-12.90	11.94	1.80	8.22	4.44	6.18	4.58
29/11/2024 03:30:56	1.11	-6.79	6.62	0.56	-7.74	11.92	0.50	-13.02	12.04	1.73	8.21	4.40	6.19	4.58
29/11/2024 03:31:57	1.18	-6.75	6.67	0.63	-7.69	12.04	0.56	-12.98	12.16	1.81	8.36	4.44	6.20	4.65
29/11/2024 03:32:56	1.21	-6.69	6.67	0.66	-7.64	11.94	0.59	-12.91	12.05	1.84	8.36	4.51	6.32	4.73

29/11/2024 03:33:55	1.24	-6.67	6.74	0.70	-7.62	12.32	0.63	-12.92	12.48	1.88	8.67	4.54	6.29	4.79
29/11/2024 03:34:55	1.29	-6.62	6.85	0.73	-7.57	12.27	0.67	-12.86	12.41	1.91	8.60	4.59	6.44	4.88
29/11/2024 03:35:55	1.29	-6.62	6.80	0.75	-7.56	12.17	0.68	-12.87	12.30	1.93	8.48	4.61	6.48	4.80
29/11/2024 03:36:54	1.33	-6.58	6.84	0.78	-7.53	12.32	0.71	-12.83	12.46	1.97	8.68	4.64	6.42	4.96
29/11/2024 03:37:53	1.37	-6.54	6.84	0.82	-7.49	12.21	0.76	-12.80	12.34	2.01	8.48	4.66	6.45	4.84
29/11/2024 03:38:54	1.33	-6.61	6.80	0.77	-7.56	12.23	0.70	-12.86	12.36	1.97	8.56	4.65	6.51	4.67
29/11/2024 03:39:53	1.41	-6.50	6.91	0.87	-7.45	12.39	0.81	-12.76	12.53	2.06	8.62	4.71	6.55	4.80
29/11/2024 03:40:53	1.40	-6.53	6.88	0.85	-7.48	12.34	0.78	-12.78	12.48	2.04	8.62	4.72	6.58	4.85
29/11/2024 03:41:52	1.42	-6.51	6.97	0.86	-7.46	12.50	0.79	-12.75	12.66	2.06	8.67	4.71	6.55	4.65
29/11/2024 03:42:52	1.45	-6.51	6.99	0.88	-7.46	12.47	0.81	-12.75	12.61	2.06	8.88	4.68	6.39	5.02
29/11/2024 03:43:51	1.47	-6.48	7.03	0.90	-7.42	12.62	0.83	-12.71	12.78	2.08	8.95	4.68	6.32	4.99
29/11/2024 03:44:51	1.55	-6.42	7.08	0.98	-7.37	12.65	0.91	-12.68	12.80	2.15	9.05	4.78	6.41	5.22
29/11/2024 03:45:50	1.45	-6.48	7.00	0.90	-7.43	12.62	0.83	-12.73	12.78	2.09	8.97	4.71	6.37	5.12
29/11/2024 03:46:50	1.52	-6.46	7.15	0.95	-7.41	12.71	0.88	-12.71	12.86	2.14	9.05	4.77	6.50	5.24
29/11/2024 03:47:49	1.55	-6.39	7.19	0.99	-7.34	12.74	0.92	-12.63	12.89	2.16	9.07	4.79	6.45	5.10
29/11/2024 03:48:48	1.54	-6.42	7.23	0.97	-7.37	12.75	0.89	-12.64	12.89	2.15	9.10	4.76	6.42	5.11
29/11/2024 03:49:48	1.66	-6.33	7.19	1.09	-7.27	12.71	1.02	-12.58	12.86	2.28	9.04	4.88	6.54	5.06
29/11/2024 03:50:47	1.57	-6.41	7.17	0.99	-7.35	12.77	0.92	-12.65	12.93	2.19	9.14	4.82	6.56	5.17
29/11/2024 03:51:47	1.48	-6.43	7.08	0.92	-7.38	12.66	0.86	-12.66	12.82	2.11	8.98	4.72	6.41	5.07
29/11/2024 03:52:47	1.59	-6.39	7.12	1.02	-7.34	12.73	0.95	-12.65	12.89	2.22	9.16	4.84	6.56	5.27
29/11/2024 03:53:46	1.65	-6.29	7.26	1.09	-7.23	12.91	1.02	-12.53	13.08	2.29	9.27	4.90	6.51	5.26
29/11/2024 03:54:46	1.67	-6.30	7.28	1.09	-7.24	12.82	1.02	-12.52	12.97	2.30	9.12	4.93	6.71	5.32
29/11/2024 03:55:45	1.67	-6.27	7.22	1.11	-7.22	12.82	1.04	-12.52	12.98	2.31	9.12	4.94	6.75	5.25
29/11/2024 03:56:45	1.71	-6.26	7.28	1.14	-7.21	12.90	1.07	-12.50	13.07	2.37	9.08	5.00	6.79	5.26
29/11/2024 03:57:44	1.67	-6.25	7.17	1.11	-7.20	12.77	1.05	-12.49	12.93	2.34	8.89	4.95	6.82	5.17
29/11/2024 03:58:43	1.73	-6.27	7.17	1.16	-7.22	12.78	1.09	-12.53	12.95	2.40	9.01	5.02	6.79	5.30
29/11/2024 03:59:43	1.71	-6.26	7.21	1.14	-7.20	12.84	1.07	-12.49	13.01	2.37	8.95	4.98	6.83	5.03
29/11/2024 04:00:42	1.72	-6.26	7.19	1.14	-7.20	12.64	1.07	-12.49	12.77	2.39	8.78	5.02	6.90	5.16
29/11/2024 04:01:42	1.71	-6.25	7.22	1.14	-7.19	12.84	1.07	-12.48	13.00	2.39	8.97	5.00	6.77	5.20
29/11/2024 04:02:41	1.72	-6.25	7.24	1.14	-7.20	12.79	1.07	-12.48	12.95	2.40	8.93	5.04	6.90	5.20
29/11/2024 04:03:41	1.73	-6.20	7.27	1.17	-7.14	12.80	1.10	-12.43	12.95	2.41	8.89	5.05	7.01	5.18
29/11/2024 04:04:40	1.69	-6.31	7.15	1.11	-7.26	12.64	1.04	-12.55	12.78	2.37	8.80	5.00	6.90	5.12
29/11/2024 04:05:40	1.76	-6.22	7.23	1.19	-7.16	12.74	1.12	-12.46	12.89	2.45	8.83	5.08	7.05	5.20
29/11/2024 04:06:40	1.76	-6.25	7.21	1.17	-7.19	12.77	1.10	-12.49	12.92	2.43	8.92	5.05	6.94	5.13
29/11/2024 04:07:39	1.82	-6.17	7.30	1.23	-7.12	12.83	1.16	-12.39	12.98	2.48	8.94	5.07	6.93	5.13
29/11/2024 04:08:39	1.73	-6.26	7.18	1.14	-7.21	12.68	1.07	-12.49	12.82	2.42	8.86	5.06	6.94	5.15
29/11/2024 04:09:38	1.81	-6.19	7.30	1.23	-7.14	12.89	1.16	-12.43	13.05	2.50	9.02	5.12	7.03	5.27
29/11/2024 04:10:37	1.81	-6.20	7.26	1.22	-7.15	12.76	1.15	-12.44	12.91	2.52	8.96	5.16	6.99	5.14
29/11/2024 04:11:38	1.88	-6.14	7.34	1.29	-7.09	12.88	1.22	-12.38	13.04	2.57	8.98	5.21	7.19	5.23
29/11/2024 04:12:37	1.87	-6.19	7.29	1.28	-7.14	12.91	1.21	-12.45	13.08	2.57	9.05	5.21	7.20	5.11
29/11/2024 04:13:37	1.93	-6.08	7.42	1.34	-7.02	12.98	1.27	-12.31	13.14	2.62	9.07	5.24	7.18	5.17
29/11/2024 04:14:38	1.89	-6.18	7.40	1.29	-7.13	12.98	1.21	-12.42	13.14	2.57	9.12	5.20	7.07	5.25
29/11/2024 04:15:37	1.99	-6.04	7.46	1.39	-6.99	13.01	1.32	-12.27	13.16	2.69	9.11	5.32	7.34	5.26
29/11/2024 04:16:38	1.92	-6.13	7.37	1.32	-7.08	12.85	1.24	-12.37	12.99	2.61	9.01	5.26	7.27	5.28

29/11/2024 04:17:36	1.85	-6.16	7.30	1.26	-7.10	12.96	1.19	-12.39	13.14	2.56	9.04	5.19	7.20	5.20
29/11/2024 04:18:36	2.01	-5.96	7.47	1.42	-6.93	12.99	1.35	-12.22	13.14	2.71	9.10	5.37	7.52	5.29
29/11/2024 04:19:36	1.89	-6.11	7.48	1.30	-7.05	13.03	1.22	-12.32	13.18	2.59	9.14	5.22	7.20	5.36
29/11/2024 04:20:35	2.03	-6.01	7.49	1.42	-6.95	12.99	1.35	-12.24	13.14	2.74	9.11	5.39	7.45	5.32
29/11/2024 04:21:34	2.09	-5.91	7.65	1.49	-6.85	13.12	1.42	-12.12	13.26	2.81	9.20	5.45	7.58	5.43
29/11/2024 04:22:34	2.04	-6.00	7.60	1.43	-6.94	13.01	1.35	-12.20	13.14	2.75	9.13	5.38	7.37	5.38
29/11/2024 04:23:33	2.06	-5.98	7.61	1.44	-6.93	13.18	1.37	-12.20	13.33	2.76	9.26	5.39	7.43	5.50
29/11/2024 04:24:33	1.98	-6.02	7.52	1.38	-6.96	12.91	1.30	-12.21	13.04	2.70	8.98	5.35	7.56	5.20
29/11/2024 04:25:32	1.90	-6.09	7.45	1.30	-7.03	12.89	1.23	-12.29	13.02	2.61	9.02	5.23	7.31	5.27
29/11/2024 04:26:32	1.75	-6.29	7.25	1.15	-7.23	12.69	1.06	-12.51	12.82	2.48	8.80	5.14	7.34	5.13
29/11/2024 04:27:31	1.99	-5.97	7.56	1.40	-6.91	12.91	1.33	-12.16	13.02	2.71	8.99	5.35	7.65	5.22
29/11/2024 04:28:31	1.96	-6.09	7.44	1.35	-7.04	12.86	1.28	-12.31	12.99	2.68	8.97	5.31	7.44	5.31
29/11/2024 04:29:31	2.21	-5.79	7.78	1.61	-6.73	13.28	1.54	-12.00	13.42	2.94	9.34	5.60	7.97	5.67
29/11/2024 04:30:31	2.26	-5.76	7.82	1.66	-6.71	13.22	1.59	-11.97	13.35	2.98	9.32	5.59	7.73	5.63
29/11/2024 04:31:30	2.31	-5.68	7.89	1.72	-6.63	13.34	1.64	-11.90	13.48	3.05	9.39	5.70	7.99	5.61
29/11/2024 04:32:30	2.15	-5.86	7.71	1.54	-6.80	13.16	1.47	-12.05	13.29	2.88	9.20	5.53	7.86	5.46
29/11/2024 04:33:30	2.11	-5.91	7.68	1.50	-6.85	13.16	1.43	-12.11	13.30	2.85	9.24	5.48	7.76	5.54
29/11/2024 04:34:30	2.16	-5.85	7.66	1.55	-6.79	13.07	1.48	-12.05	13.20	2.91	9.17	5.57	7.85	5.50
29/11/2024 04:35:29	2.34	-5.70	7.89	1.73	-6.65	13.43	1.66	-11.92	13.58	3.09	9.46	5.72	8.08	5.71
29/11/2024 04:36:29	2.15	-5.89	7.66	1.53	-6.83	13.16	1.46	-12.08	13.30	2.91	9.24	5.55	7.87	5.60
29/11/2024 04:37:28	2.21	-5.82	7.80	1.59	-6.75	13.26	1.52	-12.01	13.40	2.95	9.30	5.58	8.16	5.57
29/11/2024 04:38:28	2.28	-5.80	7.82	1.65	-6.74	13.28	1.58	-12.01	13.42	3.03	9.34	5.65	7.93	5.60
29/11/2024 04:39:28	2.31	-5.74	7.90	1.69	-6.68	13.38	1.62	-11.94	13.52	3.07	9.38	5.68	8.08	5.61
29/11/2024 04:40:27	2.25	-5.78	7.80	1.64	-6.72	13.22	1.56	-11.98	13.35	3.01	9.27	5.64	8.12	5.56
29/11/2024 04:41:26	2.36	-5.67	7.89	1.75	-6.61	13.32	1.68	-11.87	13.45	3.14	9.35	5.76	8.31	5.63
29/11/2024 04:42:27	2.48	-5.59	8.05	1.85	-6.52	13.45	1.77	-11.76	13.57	3.25	9.49	5.88	8.33	5.75
29/11/2024 04:43:26	2.38	-5.62	7.99	1.78	-6.56	13.49	1.71	-11.81	13.63	3.15	9.49	5.77	8.44	5.71
29/11/2024 04:44:27	2.34	-5.74	7.89	1.72	-6.68	13.36	1.64	-11.95	13.49	3.12	9.41	5.75	8.22	5.69
29/11/2024 04:45:26	2.26	-5.74	7.86	1.67	-6.68	13.34	1.59	-11.94	13.47	3.05	9.32	5.70	8.46	5.56
29/11/2024 04:46:26	2.32	-5.66	7.95	1.72	-6.60	13.41	1.65	-11.84	13.55	3.15	9.41	5.81	8.49	5.65
29/11/2024 04:47:26	2.34	-5.68	7.90	1.72	-6.62	13.35	1.65	-11.86	13.49	3.14	9.37	5.79	8.57	5.70
29/11/2024 04:48:25	2.27	-5.70	7.89	1.69	-6.64	13.27	1.61	-11.89	13.39	3.12	9.34	5.78	8.45	5.67
29/11/2024 04:49:25	2.28	-5.70	7.82	1.68	-6.64	13.29	1.61	-11.90	13.43	3.10	9.34	5.75	8.58	5.67
29/11/2024 04:50:24	2.36	-5.66	7.93	1.75	-6.60	13.28	1.67	-11.83	13.39	3.19	9.35	5.83	8.57	5.66
29/11/2024 04:51:23	2.44	-5.50	8.08	1.86	-6.44	13.43	1.78	-11.67	13.54	3.27	9.50	5.90	8.99	5.79
29/11/2024 04:52:24	2.37	-5.63	8.01	1.78	-6.56	13.41	1.71	-11.81	13.53	3.22	9.48	5.86	8.66	5.83
29/11/2024 04:53:23	2.40	-5.55	8.07	1.82	-6.48	13.49	1.75	-11.71	13.62	3.25	9.50	5.90	8.84	5.78
29/11/2024 04:54:23	2.43	-5.55	8.12	1.83	-6.49	13.49	1.75	-11.70	13.61	3.30	9.56	5.94	8.85	5.89
29/11/2024 04:55:23	2.46	-5.45	8.18	1.89	-6.38	13.62	1.82	-11.60	13.75	3.37	9.63	6.04	9.11	5.97
29/11/2024 04:56:23	2.42	-5.54	8.10	1.83	-6.48	13.49	1.76	-11.71	13.61	3.32	9.53	6.00	9.00	5.89
29/11/2024 04:57:23	2.46	-5.42	8.15	1.91	-6.36	13.45	1.83	-11.58	13.56	3.38	9.51	6.05	9.36	5.82
29/11/2024 04:58:22	2.35	-5.52	8.09	1.81	-6.46	13.45	1.74	-11.68	13.56	3.30	9.49	5.97	8.90	5.82
29/11/2024 04:59:22	2.48	-5.41	8.22	1.92	-6.34	13.55	1.85	-11.55	13.66	3.40	9.58	6.07	9.50	5.88
29/11/2024 05:00:21	2.46	-5.44	8.24	1.91	-6.37	13.59	1.84	-11.60	13.70	3.42	9.63	6.11	9.37	5.98

29/11/2024 05:01:20	2.47	-5.41	6.20	1.91	-6.34	13.58	1.84	-11.55	13.70	3.40	9.60	6.06	9.57	5.95
29/11/2024 05:02:21	2.53	-5.36	8.22	2.00	-6.29	13.59	1.92	-11.52	13.71	3.50	9.63	6.15	9.34	5.94
29/11/2024 05:03:21	2.63	-5.27	8.34	2.08	-6.20	13.68	2.01	-11.42	13.79	3.57	9.73	6.20	9.84	6.04
29/11/2024 05:04:20	2.78	-5.14	8.46	2.23	-6.07	13.78	2.16	-11.29	13.89	3.73	9.83	6.37	9.84	6.10
29/11/2024 05:05:20	2.57	-5.18	8.39	2.09	-6.11	13.68	2.02	-11.31	13.79	3.61	9.70	6.30	9.85	6.01
29/11/2024 05:06:19	2.45	-5.34	8.22	1.96	-6.27	13.51	1.89	-11.48	13.61	3.51	9.54	6.22	9.78	5.85
29/11/2024 05:07:18	2.57	-5.14	8.41	2.13	-6.07	13.68	2.06	-11.27	13.78	3.64	9.68	6.32	9.92	5.94
29/11/2024 05:08:18	2.53	-5.17	8.42	2.16	-6.10	13.74	2.09	-11.34	13.85	3.72	9.76	6.41	9.84	6.14
29/11/2024 05:09:17	2.58	-5.15	8.47	2.16	-6.09	13.79	2.09	-11.30	13.89	3.70	9.79	6.38	10.00	6.09
29/11/2024 05:10:17	2.47	-5.16	8.45	2.14	-6.10	13.73	2.07	-11.32	13.84	3.72	9.77	6.42	9.99	6.06
29/11/2024 05:11:17	2.54	-5.05	8.51	2.23	-5.98	13.81	2.16	-11.18	13.92	3.77	9.82	6.44	10.08	6.10
29/11/2024 05:12:16	2.57	-5.03	8.55	2.24	-5.96	13.80	2.18	-11.17	13.89	3.83	9.64	6.52	10.11	6.14
29/11/2024 05:13:15	2.57	-4.96	8.62	2.30	-5.89	13.90	2.23	-11.09	14.01	3.86	9.92	6.54	10.32	6.23
29/11/2024 05:14:16	2.58	-4.90	8.62	2.39	-5.84	13.85	2.32	-11.07	13.94	3.99	9.90	6.66	10.27	6.16
29/11/2024 05:15:15	2.76	-4.69	8.89	2.53	-5.62	14.15	2.48	-10.81	14.25	4.12	10.15	6.83	10.56	6.42
29/11/2024 05:16:15	2.53	-4.89	8.73	2.44	-5.83	14.01	2.37	-11.05	14.11	4.07	10.06	6.71	10.36	6.35
29/11/2024 05:17:14	2.67	-4.66	8.92	2.60	-5.50	14.19	2.53	-10.78	14.30	4.19	10.19	6.83	10.78	6.43
29/11/2024 05:18:13	2.10	-5.21	8.41	2.01	-6.14	13.68	1.94	-11.34	13.78	3.67	9.69	6.39	10.13	5.98
29/11/2024 05:19:14	2.24	-5.04	8.55	2.18	-5.97	13.80	2.11	-11.15	13.90	3.83	9.82	6.55	10.43	6.09
29/11/2024 05:20:13	1.93	-5.26	8.34	1.86	-6.21	13.60	1.80	-11.40	13.70	3.60	9.60	6.34	10.10	5.86
29/11/2024 05:21:13	2.17	-4.95	8.65	2.11	-5.87	13.87	2.05	-11.00	13.97	3.80	9.85	6.55	10.57	6.10
29/11/2024 05:22:12	2.25	-4.93	8.70	2.24	-5.85	13.93	2.17	-11.04	14.03	3.96	9.95	6.70	10.55	6.25
29/11/2024 05:23:12	2.20	-4.93	8.66	2.17	-5.85	13.93	2.11	-10.99	14.03	3.90	9.93	6.63	10.66	6.29
29/11/2024 05:24:11	2.27	-4.89	8.70	2.33	-5.83	13.96	2.26	-11.03	14.07	4.06	9.97	6.79	10.61	6.24
29/11/2024 05:25:10	2.64	-4.42	9.24	2.61	-5.34	14.48	2.56	-10.48	14.57	4.42	10.44	7.22	11.27	6.61
29/11/2024 05:26:10	2.65	-4.43	9.21	2.64	-5.35	14.45	2.58	-10.52	14.55	4.46	10.44	7.24	11.16	6.67
29/11/2024 05:27:09	2.35	-4.67	8.91	2.40	-5.59	14.11	2.33	-10.70	14.21	4.10	10.07	6.79	10.93	6.33
29/11/2024 05:28:09	2.00	-4.89	8.73	2.02	-5.81	13.93	1.98	-10.96	14.02	3.96	9.90	6.84	10.65	6.12
29/11/2024 05:29:09	2.22	-4.65	8.95	2.25	-5.56	14.17	2.20	-10.66	14.26	4.11	10.12	6.92	11.00	6.32
29/11/2024 05:30:08	2.19	-4.64	8.92	2.23	-5.55	14.10	2.18	-10.68	14.19	4.18	10.06	7.05	10.84	6.28
29/11/2024 05:31:08	2.24	-4.41	9.16	2.30	-5.31	14.36	2.26	-10.40	14.45	4.26	10.28	7.16	11.07	6.47
29/11/2024 05:32:07	2.26	-4.45	9.19	2.37	-5.36	14.39	2.33	-10.47	14.48	4.39	10.33	7.22	11.15	6.54
29/11/2024 05:33:06	2.38	-4.33	9.25	2.44	-5.24	14.45	2.39	-10.34	14.55	4.40	10.38	7.27	11.21	6.59
29/11/2024 05:34:06	2.17	-4.50	9.13	2.22	-5.42	14.34	2.18	-10.51	14.43	4.30	10.29	7.19	11.19	6.51
29/11/2024 05:35:06	2.34	-4.30	9.34	2.38	-5.21	14.56	2.34	-10.30	14.65	4.48	10.47	7.45	11.32	6.65
29/11/2024 05:36:05	1.96	-4.64	8.96	2.00	-5.56	14.14	1.96	-10.67	14.22	4.16	10.07	7.13	10.98	6.22
29/11/2024 05:37:05	1.92	-4.63	8.95	1.95	-5.54	14.10	1.92	-10.60	14.18	4.04	10.04	8.97	11.03	6.23
29/11/2024 05:38:05	2.03	-4.21	9.47	2.08	-5.12	14.63	2.07	-10.22	14.78	4.52	10.62	7.63	11.51	6.61
29/11/2024 05:39:04	2.09	-4.22	9.40	2.13	-5.13	14.57	2.11	-10.21	14.66	4.50	10.48	7.53	11.46	6.60
29/11/2024 05:40:05	1.88	-4.06	9.60	1.94	-4.97	14.79	1.95	-10.06	14.87	4.60	10.70	7.86	11.66	6.79
29/11/2024 05:41:05	1.64	-4.06	9.52	1.74	-4.95	14.64	1.75	-9.97	14.72	4.45	10.54	7.72	11.59	6.70
29/11/2024 05:42:04	1.70	-4.13	9.53	1.75	-5.03	14.68	1.76	-10.07	14.77	4.50	10.60	7.73	11.62	6.76
29/11/2024 05:43:04	1.68	-4.06	9.66	1.71	-4.95	14.83	1.72	-9.93	14.92	4.41	10.68	7.74	11.67	6.74
29/11/2024 05:44:03	1.68	-4.04	9.72	1.69	-4.94	14.91	1.71	-9.94	15.00	4.54	10.79	7.91	11.75	6.91

29/11/2024 05:45:03	1.49	-3.93	9.79	1.55	-4.82	14.94	1.58	-9.76	15.03	4.55	10.79	7.96	11.78	6.85
29/11/2024 05:46:03	1.84	-3.69	10.09	1.87	-4.58	15.26	1.90	-9.54	15.35	4.81	11.11	8.17	12.10	7.15
29/11/2024 05:47:02	1.30	-4.00	9.68	1.35	-4.88	14.81	1.38	-9.78	14.89	4.52	10.65	7.95	11.71	6.76
29/11/2024 05:48:02	0.83	-4.21	9.44	0.92	-5.10	14.57	0.97	-10.05	14.66	4.43	10.46	7.92	11.60	6.57
29/11/2024 05:49:01	0.80	-4.17	9.51	0.89	-5.06	14.65	0.95	-10.01	14.73	4.34	10.48	7.99	11.57	6.53
29/11/2024 05:50:00	1.56	-3.39	10.28	1.06	-4.27	15.38	1.72	-9.20	15.46	5.28	11.23	8.77	12.37	7.25
29/11/2024 05:51:00	0.80	-4.08	9.52	0.90	-4.95	14.64	0.96	-9.85	14.72	4.58	10.48	8.13	11.62	6.58
29/11/2024 05:52:00	0.52	-4.16	9.52	0.62	-5.03	14.59	0.69	-9.86	14.66	4.58	10.44	8.15	11.63	6.51
29/11/2024 05:52:59	1.84	-2.95	10.73	1.90	-3.81	15.78	1.96	-8.58	15.86	5.74	11.61	9.40	12.80	7.64
29/11/2024 05:54:00	1.14	-3.77	10.01	1.19	-4.64	15.14	1.25	-9.51	15.23	5.26	10.97	8.95	12.07	7.01
29/11/2024 05:54:59	1.42	-3.45	10.36	1.48	-4.33	15.53	1.54	-9.17	15.63	5.57	11.33	9.19	12.37	7.40
29/11/2024 05:55:59	1.52	-3.17	10.54	1.60	-4.03	15.60	1.67	-8.87	15.68	5.81	11.45	9.49	12.65	7.55
29/11/2024 05:56:58	1.54	-3.36	10.51	1.54	-4.20	15.57	1.59	-8.90	15.65	5.72	11.38	9.42	12.57	7.38
29/11/2024 05:57:57	1.19	-3.69	10.16	1.21	-4.55	15.23	1.27	-9.36	15.30	5.55	11.08	9.39	12.34	7.19
29/11/2024 05:58:57	1.13	-3.50	10.30	1.19	-4.36	15.38	1.25	-9.05	15.46	5.49	11.16	9.42	12.41	7.16
29/11/2024 05:59:57	1.24	-3.31	10.49	1.29	-4.15	15.55	1.36	-8.84	15.63	5.71	11.35	9.98	12.70	7.41
29/11/2024 06:00:56	1.28	-3.42	10.35	1.30	-4.25	15.38	1.38	-8.91	15.48	5.73	11.20	10.01	12.61	7.29
29/11/2024 06:01:55	1.22	-3.49	10.38	1.22	-4.43	15.43	1.28	-8.94	15.51	5.70	11.23	10.40	12.74	7.24
29/11/2024 06:02:55	1.14	-3.54	10.25	1.14	-4.36	15.28	1.20	-8.95	15.35	5.62	11.08	10.30	12.61	7.17
29/11/2024 06:03:55	1.28	-3.46	10.40	1.28	-4.29	15.44	1.34	-8.96	15.51	5.78	11.27	10.58	12.81	7.37
29/11/2024 06:04:51	1.57	-3.19	10.83	1.43	-3.95	15.80	1.46	-8.18	15.88	6.01	11.57	11.38	13.28	7.59
29/11/2024 06:05:54	1.59	-3.47	10.61	1.45	-4.27	15.63	1.48	-8.73	15.71	6.00	11.45	10.91	13.04	7.52
29/11/2024 06:06:53	1.44	-3.54	10.69	1.14	-4.23	15.60	1.14	-8.14	15.67	5.76	11.38	11.30	13.12	7.45
29/11/2024 06:07:53	1.49	-3.73	10.76	1.03	-4.37	15.61	1.00	-7.98	15.68	5.71	11.41	11.51	13.26	7.43
29/11/2024 06:08:52	1.63	-3.65	10.96	1.07	-4.25	15.80	1.02	-7.61	15.87	5.80	11.56	11.68	13.39	7.59
29/11/2024 06:09:53	1.74	-3.70	10.92	1.15	-4.31	15.72	1.10	-7.72	15.78	5.87	11.52	11.76	13.45	7.45
29/11/2024 06:10:52	1.75	-3.71	10.94	1.13	-4.30	15.77	1.07	-7.60	15.84	5.86	11.55	11.74	13.42	7.57
29/11/2024 06:11:52	2.13	-3.48	11.36	1.36	-4.02	16.10	1.28	-7.03	16.16	6.13	11.88	12.11	13.83	7.79
29/11/2024 06:12:51	2.09	-3.40	11.39	1.36	-3.94	16.16	1.29	-6.97	16.23	6.14	11.92	12.14	13.82	7.90
29/11/2024 06:13:50	1.94	-3.76	11.11	1.16	-4.30	15.88	1.07	-7.33	15.95	5.96	11.68	12.06	13.66	7.69
29/11/2024 06:14:50	1.89	-3.75	11.01	1.18	-4.32	15.82	1.11	-7.51	15.89	5.95	11.60	11.86	13.51	7.60
29/11/2024 06:15:49	2.15	-3.38	11.43	1.39	-3.91	16.14	1.30	-6.85	16.21	6.17	11.89	12.14	13.80	7.80
29/11/2024 06:16:49	2.25	-3.22	11.52	1.51	-3.74	16.23	1.43	-6.69	16.30	6.31	11.99	12.31	13.94	7.91
29/11/2024 06:17:49	1.99	-3.46	11.16	1.23	-3.98	15.84	1.15	-6.89	15.91	6.01	11.61	11.87	13.53	7.60
29/11/2024 06:18:48	1.82	-3.63	11.04	1.06	-4.15	15.72	0.98	-7.05	15.78	5.87	11.48	11.75	13.41	7.51
29/11/2024 06:19:48	1.90	-3.41	11.19	1.12	-3.89	15.79	1.04	-6.61	15.85	5.94	11.56	11.82	13.52	7.54
29/11/2024 06:20:47	2.06	-3.16	11.41	1.30	-3.65	16.02	1.22	-6.35	16.08	6.12	11.77	11.98	13.70	7.79
29/11/2024 06:21:47	2.58	-2.65	11.89	1.80	-3.12	16.47	1.72	-5.79	16.53	6.64	12.21	12.55	14.23	8.13
29/11/2024 06:22:46	2.06	-3.09	11.39	1.32	-3.57	15.95	1.24	-6.27	16.01	6.15	11.68	11.94	13.66	7.60
29/11/2024 06:23:46	2.36	-2.67	11.76	1.63	-3.13	16.26	1.55	-5.74	16.32	6.45	11.98	12.26	14.00	7.83
29/11/2024 06:24:46	2.26	-2.88	11.54	1.50	-3.35	16.09	1.42	-6.01	16.15	6.36	11.80	12.03	13.79	7.65
29/11/2024 06:25:46	2.09	-2.89	11.45	1.35	-3.35	15.95	1.28	-5.93	16.01	6.20	11.68	11.83	13.64	7.65
29/11/2024 06:26:45	2.17	-2.71	11.47	1.47	-3.18	15.92	1.39	-5.76	15.98	6.32	11.65	11.95	13.69	7.59
29/11/2024 06:27:44	2.31	-2.51	11.73	1.61	-2.96	16.13	1.53	-5.48	16.19	6.45	11.85	12.00	13.86	7.73

29/11/2024 06:28:44	2.45	-2.34	11.80	1.76	-2.80	16.21	1.69	-5.36	16.27	6.62	11.96	12.19	14.01	7.89
29/11/2024 06:29:44	2.44	-2.25	11.81	1.78	-2.70	16.15	1.71	-5.23	16.20	6.64	11.91	12.22	14.01	7.87
29/11/2024 06:30:43	2.36	-2.38	11.69	1.70	-2.84	16.14	1.63	-5.43	16.20	6.59	11.85	12.06	13.80	7.79
29/11/2024 06:31:43	2.37	-2.27	11.64	1.71	-2.73	15.95	1.64	-5.25	16.00	6.56	11.73	12.07	13.90	7.67
29/11/2024 06:32:42	2.52	-2.15	11.75	1.88	-2.61	16.08	1.82	-5.21	16.14	6.76	11.85	12.24	13.98	7.81
29/11/2024 06:33:41	2.74	-1.72	11.94	2.12	-2.16	16.23	2.06	-4.62	16.29	7.00	12.01	12.53	14.25	8.04
29/11/2024 06:34:42	2.63	-1.94	11.72	1.98	-2.39	16.01	1.92	-4.90	16.07	6.90	11.83	12.40	14.09	7.89
29/11/2024 06:35:41	2.91	-1.61	12.20	2.30	-2.07	16.47	2.24	-4.60	16.52	7.19	12.19	12.72	14.44	8.12
29/11/2024 06:36:40	2.88	-1.53	11.86	2.30	-1.98	16.13	2.24	-4.49	16.19	7.20	11.94	12.71	14.29	7.98
29/11/2024 06:37:40	2.64	-1.84	11.64	2.02	-2.29	15.87	1.97	-4.79	15.92	6.95	11.70	12.51	14.07	7.77
29/11/2024 06:38:40	2.53	-1.90	11.37	1.93	-2.34	15.59	1.87	-4.83	15.65	6.86	11.42	12.31	13.81	7.48
29/11/2024 06:39:39	2.63	-1.84	11.60	2.01	-2.28	15.84	1.95	-4.77	15.89	6.97	11.63	12.50	14.05	7.65
29/11/2024 06:40:39	3.44	-1.02	12.20	2.85	-1.47	16.39	2.79	-4.00	16.45	7.82	12.25	13.36	14.77	8.27
29/11/2024 06:41:39	3.30	-1.09	11.98	2.70	-1.53	16.16	2.65	-3.99	16.22	7.65	12.04	13.21	14.65	8.12
29/11/2024 06:42:38	3.03	-1.29	11.50	2.45	-1.73	15.64	2.39	-4.17	15.71	7.39	11.61	12.87	14.32	7.77
29/11/2024 06:43:38	3.17	-1.16	11.87	2.61	-1.61	16.05	2.55	-4.08	16.12	7.58	11.96	13.15	14.62	8.06
29/11/2024 06:44:37	3.28	-0.88	11.76	2.75	-1.32	15.90	2.70	-3.73	15.98	7.72	11.91	13.30	14.67	8.04
29/11/2024 06:45:36	3.51	-0.71	11.83	2.96	-1.14	15.98	2.91	-3.55	16.06	7.94	12.01	13.53	14.86	8.19
29/11/2024 06:46:36	3.71	-0.50	11.96	3.17	-0.94	16.11	3.11	-3.36	16.20	8.17	12.17	13.74	15.11	8.33
29/11/2024 06:47:35	3.66	-0.63	11.99	3.11	-1.07	16.12	3.06	-3.54	16.20	8.11	12.09	13.66	14.87	8.20
29/11/2024 06:48:35	3.25	-0.87	11.63	2.73	-1.30	15.78	2.89	-3.71	15.87	7.73	11.72	13.20	14.37	7.98
29/11/2024 06:49:35	3.21	-0.94	11.31	2.68	-1.37	15.43	2.63	-3.77	15.52	7.70	11.50	13.20	14.35	7.82
29/11/2024 06:50:34	3.42	-0.78	11.68	2.90	-1.22	15.85	2.86	-3.70	15.93	7.93	11.81	13.50	14.61	8.05
29/11/2024 06:51:34	3.61	-0.54	11.83	3.08	-0.97	15.73	3.03	-3.37	15.82	8.12	11.80	13.67	14.84	8.06
29/11/2024 06:52:33	3.40	-0.70	11.44	2.88	-1.13	15.54	2.83	-3.53	15.64	7.92	11.63	13.38	14.55	7.98
29/11/2024 06:53:33	3.48	-0.76	11.49	2.94	-1.20	15.61	2.89	-3.63	15.70	8.01	11.70	13.43	14.56	8.05
29/11/2024 06:54:33	3.56	-0.55	11.71	3.06	-0.98	15.84	3.02	-3.42	15.93	8.12	11.84	13.64	14.70	8.14
29/11/2024 06:55:32	3.05	-1.09	11.01	2.54	-1.52	15.15	2.49	-3.93	15.26	7.68	11.24	13.19	14.23	7.60
29/11/2024 06:56:32	3.62	-0.56	11.64	3.09	-0.99	15.78	3.04	-3.41	15.88	8.21	11.79	13.55	14.56	8.08
29/11/2024 06:57:31	3.30	-0.86	11.06	2.78	-1.30	15.20	2.73	-3.73	15.31	7.91	11.36	13.40	14.52	7.77
29/11/2024 06:58:30	3.32	-0.81	11.23	2.82	-1.24	15.34	2.77	-3.66	15.44	7.96	11.40	13.26	14.23	7.78
29/11/2024 06:59:30	3.58	-0.64	11.37	3.05	-1.08	15.50	3.00	-3.52	15.60	8.23	11.61	13.69	14.71	8.04
29/11/2024 07:00:30	3.26	-0.74	11.03	2.77	-1.17	15.16	2.73	-3.52	15.28	7.95	11.26	13.39	14.26	7.58
29/11/2024 07:01:29	3.64	-0.47	11.23	3.13	-0.90	15.31	3.08	-3.27	15.42	8.35	11.50	13.70	14.61	7.94
29/11/2024 07:02:29	3.45	-0.74	11.20	2.93	-1.17	15.32	2.88	-3.58	15.43	8.19	11.43	13.38	14.28	7.84
29/11/2024 07:03:28	3.52	-0.76	11.20	2.97	-1.19	15.32	2.92	-3.63	15.42	8.26	11.47	13.39	14.39	7.84
29/11/2024 07:04:28	3.65	-0.48	11.41	3.15	-0.91	15.52	3.10	-3.32	15.63	8.48	11.59	13.69	14.45	7.97
29/11/2024 07:05:27	3.71	-0.35	11.38	3.24	-0.78	15.48	3.20	-3.20	15.60	8.54	11.57	13.92	14.68	7.94
29/11/2024 07:06:26	3.70	-0.33	11.35	3.23	-0.76	15.50	3.19	-3.17	15.62	8.61	11.63	13.88	14.77	8.15
29/11/2024 07:07:26	4.35	0.24	12.07	3.88	-0.20	16.22	3.83	-2.65	16.34	9.27	12.30	14.52	15.41	8.61
29/11/2024 07:08:25	4.47	0.37	12.14	3.98	-0.06	16.23	3.93	-2.49	16.34	9.36	12.26	14.48	15.09	8.59
29/11/2024 07:09:25	3.79	-0.20	11.58	3.35	-0.64	15.73	3.31	-3.09	15.85	8.80	11.80	14.12	14.89	8.17
29/11/2024 07:10:24	4.11	0.34	12.24	3.75	-0.10	16.41	3.72	-2.52	16.53	9.14	12.33	14.66	15.32	8.53
29/11/2024 07:11:24	4.17	0.30	12.08	3.78	-0.13	16.20	3.74	-2.56	16.31	9.34	12.25	14.59	15.33	8.55

29/11/2024 07:12:24	3.35	-0.50	11.38	2.96	-0.94	15.51	2.93	-3.40	15.62	8.56	11.47	13.42	14.12	7.77
29/11/2024 07:13:23	3.46	-0.25	11.45	3.13	-0.68	15.58	3.10	-3.12	15.70	8.74	11.62	13.97	14.53	7.91
29/11/2024 07:14:23	3.22	-0.17	11.85	3.06	-0.61	16.00	3.04	-3.07	16.10	8.63	11.89	14.04	14.71	8.15
29/11/2024 07:15:22	2.99	-0.34	11.56	2.85	-0.78	15.70	2.84	-3.25	15.80	8.64	11.64	13.86	14.54	7.90
29/11/2024 07:16:21	3.29	0.05	12.18	3.20	-0.40	16.34	3.19	-2.88	16.44	9.16	12.18	14.28	14.78	8.44
29/11/2024 07:17:22	2.91	-0.26	11.61	2.83	-0.70	15.75	2.82	-3.16	15.86	8.65	11.67	13.73	14.36	7.93
29/11/2024 07:18:21	3.48	0.24	12.31	3.39	-0.21	16.52	3.38	-2.71	16.63	9.00	12.27	14.33	14.88	8.40
29/11/2024 07:19:20	4.27	1.17	13.23	4.21	0.72	17.42	4.21	-1.76	17.53	10.09	13.18	15.44	15.97	9.34
29/11/2024 07:20:20	3.49	0.42	12.69	3.47	-0.03	16.86	3.47	-2.55	16.96	9.84	12.58	14.83	15.14	8.61
29/11/2024 07:21:20	2.73	-0.02	12.20	2.75	-0.47	16.35	2.77	-2.97	16.45	10.15	12.11	14.84	14.57	8.30
29/11/2024 07:22:19	3.13	0.29	12.64	3.14	-0.17	16.83	3.15	-2.69	16.93	11.00	12.51	15.40	14.85	8.54
29/11/2024 07:23:19	3.10	0.39	12.55	3.07	-0.05	16.72	3.08	-2.50	16.82	11.20	12.43	15.60	14.83	8.53
29/11/2024 07:24:19	3.05	0.26	12.63	3.05	-0.18	16.83	3.06	-2.67	16.93	11.17	12.49	15.37	14.67	8.62
29/11/2024 07:25:18	2.83	0.15	12.51	2.81	-0.29	16.72	2.83	-2.75	16.83	10.99	12.41	15.24	14.62	8.59
29/11/2024 07:26:18	2.54	-0.14	12.17	2.52	-0.58	16.39	2.54	-3.05	16.50	10.68	12.10	14.89	14.29	8.35
29/11/2024 07:27:18	2.50	-0.12	12.26	2.48	-0.57	16.45	2.51	-3.03	16.54	10.61	12.19	14.91	14.47	8.36
29/11/2024 07:28:17	3.00	0.22	12.78	2.96	-0.23	17.00	2.98	-2.74	17.10	11.14	12.58	15.39	14.71	8.61
29/11/2024 07:29:17	2.72	0.10	12.57	2.69	-0.34	16.76	2.72	-2.82	16.86	10.84	12.42	15.08	14.58	8.48
29/11/2024 07:30:17	3.16	0.48	13.03	3.09	0.04	17.22	3.11	-2.42	17.31	11.21	12.81	15.52	14.90	8.83
29/11/2024 07:31:16	3.10	0.44	13.15	3.04	0.01	17.41	3.06	-2.43	17.51	11.09	12.86	15.31	14.82	8.67
29/11/2024 07:32:16	3.03	0.36	13.20	2.95	-0.07	17.46	2.97	-2.50	17.56	11.08	12.84	15.31	14.71	8.77
29/11/2024 07:33:15	3.17	0.33	13.48	3.04	-0.10	17.75	3.06	-2.53	17.83	11.14	13.05	15.43	14.95	8.77
29/11/2024 07:34:16	3.48	0.54	14.07	3.33	0.10	18.34	3.34	-2.35	18.40	11.42	13.45	15.71	15.21	9.13
29/11/2024 07:35:15	3.52	0.61	13.63	3.36	0.18	17.94	3.37	-2.24	18.04	11.45	13.33	15.83	15.42	9.10
29/11/2024 07:36:15	3.56	0.54	14.66	3.37	0.10	18.95	3.37	-2.35	18.99	11.40	13.82	15.78	15.40	9.46
29/11/2024 07:37:16	3.68	0.56	14.43	3.47	0.12	18.72	3.47	-2.34	18.77	11.48	13.73	15.90	15.57	9.17
29/11/2024 07:38:15	3.06	-0.15	13.58	2.82	-0.58	17.88	2.82	-3.02	17.94	10.80	12.94	15.07	14.65	8.52
29/11/2024 07:39:14	3.39	0.15	14.18	3.14	-0.28	18.45	3.13	-2.67	18.49	11.04	13.33	15.42	15.01	8.67
29/11/2024 07:40:14	3.46	0.12	14.86	3.20	-0.32	19.19	3.19	-2.78	19.21	11.00	13.67	15.34	14.95	8.89
29/11/2024 07:41:13	3.61	0.18	15.45	3.32	-0.25	19.73	3.31	-2.67	19.72	11.06	13.98	15.45	15.13	8.94
29/11/2024 07:42:13	3.93	0.53	16.12	3.63	0.10	20.31	3.62	-2.27	20.27	11.33	14.31	15.67	15.35	8.97
29/11/2024 07:43:12	3.91	0.51	16.53	3.62	0.09	20.70	3.60	-2.26	20.63	11.33	14.57	15.89	15.68	9.13
29/11/2024 07:44:12	3.43	-0.05	16.06	3.11	-0.47	20.34	3.09	-2.83	20.29	10.83	14.12	15.39	15.13	8.67
29/11/2024 07:45:12	3.45	-0.03	15.90	3.14	-0.45	20.16	3.12	-2.82	20.11	10.85	14.11	15.44	15.26	8.81
29/11/2024 07:46:11	3.83	0.32	16.30	3.51	-0.10	20.59	3.48	-2.44	20.55	11.19	14.48	15.88	15.75	9.28
29/11/2024 07:47:12	4.19	0.59	17.11	3.81	0.18	21.33	3.78	-2.10	21.25	11.57	14.94	16.23	16.04	9.14
29/11/2024 07:48:11	4.23	0.74	17.05	3.88	0.34	21.24	3.85	-1.92	21.17	11.62	14.79	16.19	15.86	9.06
29/11/2024 07:49:10	3.66	0.07	16.54	3.26	-0.32	20.75	3.23	-2.54	20.68	11.04	14.36	15.72	15.53	8.68
29/11/2024 07:50:10	3.38	-0.17	16.07	3.00	-0.58	20.43	2.97	-2.82	20.40	10.81	14.07	15.30	15.09	8.57
29/11/2024 07:51:09	3.66	-0.09	16.33	3.22	-0.49	20.79	3.18	-2.73	20.77	11.05	14.43	15.99	15.48	8.74
29/11/2024 07:52:10	3.85	0.18	16.80	3.40	-0.21	21.22	3.38	-2.37	21.19	11.26	14.70	15.74	15.58	8.94
29/11/2024 07:53:09	3.33	-0.30	16.16	2.90	-0.69	20.59	2.86	-2.85	20.56	10.73	14.05	15.27	15.14	8.51
29/11/2024 07:54:09	3.86	0.14	16.87	3.40	-0.25	21.27	3.35	-2.40	21.23	11.30	14.60	15.82	15.50	8.98
29/11/2024 07:55:09	3.71	0.05	16.53	3.24	-0.33	21.07	3.20	-2.45	21.07	11.17	14.45	15.67	15.37	8.71

29/11/2024 07:56:09	3.37	-0.17	16.38	2.92	-0.54	20.91	2.88	-2.59	20.91	10.83	14.13	15.27	14.96	8.28
29/11/2024 07:57:08	3.61	-0.07	16.77	3.10	-0.43	21.24	3.05	-2.46	21.22	10.93	14.46	15.24	15.07	8.67
29/11/2024 07:58:08	3.25	-0.23	16.92	2.72	-0.56	22.26	2.67	-2.40	22.39	10.63	14.91	14.91	14.57	7.92
29/11/2024 07:59:07	4.33	0.87	18.25	3.76	0.56	23.88	3.71	-1.18	24.06	11.70	16.32	16.00	15.65	9.05
29/11/2024 08:00:07	3.87	0.48	17.75	3.32	0.18	23.12	3.26	-1.54	23.26	11.22	15.60	15.43	15.03	8.42
29/11/2024 08:01:06	4.22	0.67	17.91	3.63	0.35	23.37	3.58	-1.43	23.52	11.54	15.89	15.78	15.48	8.87
29/11/2024 08:02:06	4.11	0.65	17.82	3.55	0.32	23.09	3.50	-1.49	23.21	11.62	15.71	15.82	15.27	8.84
29/11/2024 08:03:06	4.26	0.69	17.88	3.70	0.35	23.18	3.65	-1.54	23.30	11.84	15.80	16.01	15.53	8.91
29/11/2024 08:04:06	4.29	0.74	17.99	3.73	0.41	23.20	3.68	-1.46	23.30	11.95	15.82	16.01	15.31	9.01
29/11/2024 08:05:06	4.59	0.80	18.05	3.98	0.46	23.10	3.92	-1.48	23.17	12.29	15.78	16.26	15.55	9.05
29/11/2024 08:06:06	3.76	-0.03	17.28	3.13	-0.37	22.38	3.07	-2.30	22.45	11.47	15.07	15.27	14.60	8.50
29/11/2024 08:07:05	4.18	0.36	17.71	3.57	0.00	22.85	3.51	-1.97	22.92	12.04	15.48	15.82	15.04	8.66
29/11/2024 08:08:05	4.12	0.37	17.79	3.50	0.03	22.91	3.45	-1.88	22.98	12.06	15.52	15.74	14.89	8.82
29/11/2024 08:09:05	4.57	0.59	18.15	3.90	0.23	23.29	3.83	-1.75	23.36	12.53	15.87	16.17	15.26	8.95
29/11/2024 08:10:05	4.45	0.56	18.18	3.80	0.20	23.28	3.74	-1.81	23.34	12.26	15.88	16.11	15.32	9.13
29/11/2024 08:11:05	4.42	0.64	18.40	3.89	0.27	23.49	3.84	-1.79	23.54	13.38	16.06	16.86	15.55	9.18
29/11/2024 08:12:05	4.68	1.31	18.96	4.34	0.96	23.98	4.30	-1.03	24.02	15.45	16.51	18.36	15.90	9.67
29/11/2024 08:13:05	4.34	1.04	18.88	4.19	0.66	23.94	4.16	-1.50	23.98	14.96	16.54	18.06	16.11	9.63
29/11/2024 08:14:05	4.95	1.73	19.49	4.77	1.34	24.54	4.75	-0.84	24.57	15.96	17.12	19.16	16.84	10.25
29/11/2024 08:15:04	3.59	0.44	18.36	3.53	0.03	23.49	3.50	-2.25	23.52	14.47	16.07	17.75	15.76	9.26
29/11/2024 08:16:04	3.50	0.61	18.41	3.46	0.22	23.49	3.45	-1.95	23.52	14.38	16.03	17.68	15.41	9.28
29/11/2024 08:17:03	3.16	0.49	18.48	3.20	0.07	23.62	3.21	-2.31	23.65	14.09	16.18	17.76	15.79	9.45
29/11/2024 08:18:03	4.19	1.30	19.40	4.18	0.86	24.57	4.19	-1.61	24.60	15.11	17.05	18.76	16.55	10.30
29/11/2024 08:19:02	3.71	0.83	19.21	3.67	0.36	24.44	3.68	-2.23	24.46	14.58	16.93	18.40	16.33	10.22
29/11/2024 08:20:02	4.04	1.10	19.29	3.97	0.64	24.48	3.98	-1.94	24.50	14.74	16.98	18.59	16.16	10.29
29/11/2024 08:21:02	3.42	0.56	18.66	3.32	0.11	23.79	3.34	-2.45	23.80	13.96	16.29	18.00	15.64	9.64
29/11/2024 08:22:01	3.94	0.85	19.16	3.82	0.37	24.40	3.84	-2.30	24.42	14.28	16.82	18.35	15.90	10.29
29/11/2024 08:23:01	3.92	0.91	19.27	3.79	0.43	24.48	3.82	-2.26	24.48	14.08	16.84	18.33	15.81	10.16
29/11/2024 08:24:00	3.80	0.78	19.07	3.65	0.30	24.20	3.68	-2.39	24.20	13.78	16.59	18.20	15.23	9.91
29/11/2024 08:25:00	4.25	1.15	19.52	4.08	0.67	24.71	4.11	-2.07	24.72	14.07	16.98	18.56	15.47	10.24
29/11/2024 08:26:00	4.42	1.28	19.62	4.26	0.78	24.75	4.28	-1.99	24.75	14.12	17.03	18.77	15.46	10.60
29/11/2024 08:26:59	5.29	2.25	20.32	5.12	1.77	25.41	5.15	-0.95	25.40	14.89	17.67	19.73	15.91	10.80
29/11/2024 08:27:59	5.00	1.99	20.31	4.85	1.49	25.45	4.88	-1.33	25.44	14.68	17.58	19.75	15.74	10.62
29/11/2024 08:28:58	5.15	2.18	20.71	5.01	1.65	25.79	5.05	-1.23	25.76	14.94	17.78	20.22	15.98	9.97
29/11/2024 08:29:58	3.85	1.64	21.11	3.88	1.08	26.30	3.98	-2.00	26.24	14.37	17.77	20.37	15.57	11.27
29/11/2024 08:30:58	3.92	2.02	22.02	4.02	1.46	27.21	4.14	-1.65	27.12	14.69	18.28	20.89	15.84	11.81
29/11/2024 08:31:59	3.04	2.11	22.29	3.43	1.50	27.37	3.62	-1.92	27.23	15.01	18.21	21.59	15.86	12.43
29/11/2024 08:32:58	3.16	2.78	22.93	3.86	2.10	27.72	4.09	-1.72	27.51	15.73	18.15	22.18	15.84	13.78
29/11/2024 08:33:58	3.83	4.05	23.55	4.87	3.27	27.15	5.17	-1.12	26.72	16.91	17.82	23.44	16.76	13.75
29/11/2024 08:34:58	3.56	4.03	23.52	4.68	3.25	27.53	4.99	-1.16	27.17	16.87	17.88	23.30	16.45	13.74
29/11/2024 08:35:58	3.54	4.07	23.45	4.72	3.25	27.32	5.04	-1.30	26.93	17.04	17.50	23.54	16.46	13.41
29/11/2024 08:36:57	3.91	4.37	23.55	5.16	3.51	27.45	5.49	-1.30	27.06	17.52	17.40	23.93	16.65	13.33
29/11/2024 08:37:57	4.79	5.26	24.27	6.17	4.34	28.26	6.52	-0.78	27.88	18.52	18.13	25.06	17.74	13.92
29/11/2024 08:38:57	4.15	4.59	23.90	5.69	3.65	28.06	6.04	-1.58	27.70	17.94	17.90	24.70	17.57	13.63

29/11/2024 08:39:56	3.37	3.99	23.34	5.02	3.05	27.55	5.38	-2.19	27.20	17.35	17.29	24.19	16.96	13.03
29/11/2024 08:40:56	3.63	4.26	23.75	5.31	3.31	28.08	5.67	-2.03	27.74	17.77	17.75	24.82	17.68	13.39
29/11/2024 08:41:55	3.59	4.07	23.52	5.25	3.09	27.91	5.61	-2.37	27.56	17.77	17.57	24.84	17.59	13.23
29/11/2024 08:42:55	4.19	4.39	24.00	5.81	3.38	28.50	6.17	-2.26	28.16	18.42	18.19	25.56	18.31	13.87
29/11/2024 08:43:54	4.93	5.12	24.61	6.54	4.11	29.08	6.90	-1.53	28.75	19.23	18.73	26.33	18.84	14.31
29/11/2024 08:44:54	4.75	4.78	24.14	6.32	3.76	28.64	6.68	-1.95	28.31	19.12	18.29	26.26	18.76	13.77
29/11/2024 08:45:53	5.64	5.68	25.09	7.19	4.67	29.57	7.55	-0.98	29.24	20.05	19.18	27.22	18.90	14.51
29/11/2024 08:46:53	5.86	5.79	25.17	7.41	4.76	29.81	7.76	-0.99	29.50	20.37	19.39	27.51	19.19	14.60
29/11/2024 08:47:52	5.18	5.65	24.74	6.87	4.64	29.44	7.25	-1.04	29.16	20.26	19.02	27.46	17.49	14.15
29/11/2024 08:48:51	4.37	5.94	25.30	6.40	4.90	30.23	6.84	-0.92	29.97	21.13	19.72	28.61	17.91	14.61
29/11/2024 08:49:51	3.99	5.25	25.54	5.94	4.21	30.76	6.37	-1.60	30.52	21.89	20.26	27.90	17.85	15.13
29/11/2024 08:50:50	3.68	4.03	25.39	5.09	3.15	30.72	5.42	-1.79	30.50	21.52	20.17	26.87	17.24	14.86
29/11/2024 08:51:51	3.75	3.19	25.30	4.94	2.28	30.99	5.24	-2.81	30.79	21.61	20.39	26.67	17.14	15.40
29/11/2024 08:52:50	3.99	3.55	25.01	5.13	2.68	30.69	5.42	-2.21	30.53	21.93	20.07	26.82	16.96	15.21
29/11/2024 08:53:49	5.20	4.12	23.75	6.33	3.14	29.82	6.62	-2.30	29.79	23.23	20.06	28.03	18.12	18.00
29/11/2024 08:54:49	5.72	4.52	23.76	6.82	3.53	29.52	7.12	-2.04	29.45	23.81	19.58	28.57	18.48	18.70
29/11/2024 08:55:48	5.46	4.80	23.77	6.85	3.81	29.06	7.16	-1.73	28.91	23.63	18.91	28.77	18.43	18.59
29/11/2024 08:56:48	4.94	5.47	24.36	6.74	4.46	29.64	7.11	-1.19	29.48	23.19	19.48	28.94	19.20	19.45
29/11/2024 08:57:48	4.65	5.99	24.82	6.45	5.02	30.04	6.86	-0.43	29.88	23.02	19.71	29.09	18.39	19.42
29/11/2024 08:58:47	4.69	5.99	25.07	6.32	5.06	30.32	6.72	-0.15	30.18	23.13	19.91	28.82	17.79	19.80
29/11/2024 08:59:47	4.81	4.68	25.67	6.39	3.65	31.41	6.75	-2.15	31.24	23.08	20.88	28.51	18.55	20.57
29/11/2024 09:00:47	5.24	5.24	27.98	6.88	4.20	33.72	7.24	-1.61	33.47	23.59	22.19	29.10	19.29	19.62
29/11/2024 09:01:47	4.54	5.40	30.44	6.14	4.42	35.55	6.54	-1.06	35.09	23.62	21.81	28.08	17.88	18.58
29/11/2024 09:02:47	4.04	5.50	31.85	5.80	4.62	36.40	6.17	-0.30	35.81	22.26	22.58	28.15	18.33	18.85
29/11/2024 09:03:46	5.81	4.45	32.67	7.25	3.31	37.98	7.58	-3.08	37.37	24.14	23.73	29.55	18.55	19.72
29/11/2024 09:04:47	3.55	5.34	30.47	5.43	4.37	35.47	5.86	-1.01	35.00	25.35	21.94	28.61	18.41	17.91
29/11/2024 09:05:47	5.51	7.63	33.11	7.20	6.90	37.12	7.56	2.84	36.51	24.31	23.10	30.28	18.38	18.24
29/11/2024 09:06:46	5.36	5.49	31.05	6.81	4.53	36.37	7.15	-0.81	35.93	23.61	23.04	29.22	19.36	18.63
29/11/2024 09:07:46	4.87	5.44	33.72	6.61	4.37	38.60	7.01	-1.58	37.93	22.69	24.32	27.87	18.97	18.43
29/11/2024 09:08:46	4.07	3.15	33.02	4.79	2.34	38.41	5.04	-2.15	37.83	21.06	23.95	26.85	18.01	18.58
29/11/2024 09:09:45	5.19	5.57	31.26	6.80	4.58	36.43	7.16	-0.95	35.95	23.75	23.35	29.81	19.32	20.39
29/11/2024 09:10:45	5.45	5.46	31.91	6.99	4.44	36.76	7.34	-1.23	36.18	24.04	23.05	29.81	18.85	17.06
29/11/2024 09:11:44	5.30	6.36	32.12	7.30	5.32	37.17	7.70	-0.50	36.65	24.62	23.03	30.86	17.72	17.59
29/11/2024 09:12:43	4.40	3.48	33.30	5.95	2.36	39.20	6.29	-3.89	38.63	22.44	24.62	28.27	18.57	18.70
29/11/2024 09:13:43	5.20	5.52	36.28	7.05	4.44	41.29	7.44	-1.60	40.53	23.72	25.83	29.82	20.10	18.51
29/11/2024 09:14:43	4.49	6.91	38.26	6.81	5.82	42.59	7.31	-0.31	41.67	24.08	25.39	30.60	17.21	17.81
29/11/2024 09:15:42	4.41	7.42	39.04	6.86	6.38	43.14	7.37	0.58	42.18	23.50	25.59	29.14	17.15	17.85
29/11/2024 09:16:42	4.18	10.25	39.95	7.88	9.00	43.72	8.61	2.01	42.72	24.18	26.14	28.38	17.70	17.99
29/11/2024 09:17:42	4.48	11.11	40.55	8.22	9.91	44.17	8.96	3.21	43.18	24.42	26.44	28.37	18.00	18.14
29/11/2024 09:18:41	5.68	12.73	41.64	9.50	11.57	44.93	10.24	5.09	43.91	25.89	27.07	29.85	19.02	18.50
29/11/2024 09:19:41	6.04	13.19	41.92	10.11	12.04	45.15	10.83	5.65	44.12	26.42	27.26	30.25	19.20	18.69
29/11/2024 09:20:40	6.14	13.55	41.83	10.59	12.43	45.05	11.30	6.18	44.05	27.01	27.31	30.83	19.42	18.81
29/11/2024 09:21:40	5.33	13.66	41.67	9.74	12.58	44.95	10.50	6.41	43.98	26.76	27.42	31.12	19.51	19.12
29/11/2024 09:22:40	2.17	13.95	41.66	6.90	12.87	44.96	7.86	6.83	44.02	25.84	27.53	31.63	19.68	19.31

29/11/2024 09:23:33	2.64	13.72	41.17	7.24	12.64	44.57	8.17	6.63	43.65	26.25	27.39	31.80	19.55	19.38
29/11/2024 09:24:38	2.57	13.55	40.99	7.15	12.47	44.44	8.08	6.42	43.54	26.34	27.30	32.02	19.44	19.29
29/11/2024 09:25:37	2.90	13.26	40.63	7.37	12.17	44.24	8.26	6.08	43.36	26.68	27.26	34.98	20.22	19.41
29/11/2024 09:26:37	2.87	12.95	40.43	7.31	11.83	44.00	8.19	5.62	43.11	26.69	26.91	34.67	19.84	18.88
29/11/2024 09:27:36	3.09	13.51	40.67	7.66	12.37	44.26	8.58	5.96	43.38	27.17	27.06	35.45	20.13	19.03
29/11/2024 09:28:36	3.19	14.22	40.99	8.15	12.98	44.58	9.13	5.95	43.68	27.61	27.09	36.24	20.60	18.88
29/11/2024 09:29:36	3.83	15.05	41.57	9.00	13.73	45.09	10.01	6.37	44.17	28.41	27.21	36.90	20.84	18.98
29/11/2024 09:30:35	3.91	14.88	41.49	8.98	13.59	44.94	9.96	6.40	44.02	28.60	26.98	37.00	20.65	18.56
29/11/2024 09:31:35	3.45	14.33	41.32	8.38	13.11	44.70	9.33	6.27	43.76	28.06	28.56	38.63	20.03	18.15
29/11/2024 09:32:34	3.46	13.80	41.43	8.09	12.67	44.70	8.99	6.32	43.73	27.87	26.41	36.51	19.65	17.82
29/11/2024 09:33:33	3.77	13.80	41.86	8.22	12.73	44.99	9.08	6.72	44.00	28.06	26.59	38.58	19.56	17.89
29/11/2024 09:34:32	3.88	13.40	41.97	8.13	12.37	44.68	8.95	6.61	43.61	28.02	26.42	36.76	19.69	17.71
29/11/2024 09:35:33	3.94	13.13	41.95	8.05	12.13	44.63	8.84	6.58	43.54	27.97	26.24	36.47	19.30	17.56
29/11/2024 09:36:32	4.09	12.87	42.26	7.95	11.96	44.87	8.70	6.84	43.77	27.94	26.45	36.22	19.39	17.58
29/11/2024 09:37:31	4.54	12.90	42.44	8.23	12.02	45.04	8.94	7.13	43.94	28.22	26.57	36.21	19.24	17.67
29/11/2024 09:38:31	4.40	12.22	42.30	7.84	11.39	44.93	8.51	6.77	43.82	27.86	26.42	35.50	18.96	17.39
29/11/2024 09:39:31	4.65	12.34	42.55	7.97	11.58	45.13	8.61	7.30	44.03	28.00	26.60	35.43	18.87	17.68
29/11/2024 09:40:31	4.90	12.03	42.65	8.11	11.26	45.35	8.72	6.92	44.25	28.08	26.81	35.28	18.94	17.81
29/11/2024 09:41:30	5.04	12.25	42.81	8.20	11.51	45.39	8.81	7.36	44.28	28.12	26.82	34.88	18.74	17.81
29/11/2024 09:42:29	5.12	12.55	43.06	8.34	11.81	45.62	8.96	7.69	44.51	28.22	28.99	34.64	18.68	17.83
29/11/2024 09:43:30	5.18	12.41	43.11	8.24	11.73	45.66	8.83	7.95	44.55	28.09	27.00	34.08	18.46	17.87
29/11/2024 09:44:29	5.20	12.34	43.27	8.14	11.72	45.74	8.70	8.26	44.63	28.05	27.05	33.68	18.41	17.83
29/11/2024 09:45:29	5.40	12.57	43.56	8.22	12.02	45.97	8.78	8.53	44.86	28.08	27.28	32.94	18.28	18.08
29/11/2024 09:46:29	5.52	12.72	43.90	8.20	12.26	46.16	8.71	9.67	45.05	28.05	27.49	32.65	18.43	18.22
29/11/2024 09:47:29	5.52	12.64	44.09	8.04	12.25	46.30	8.53	10.03	45.18	27.98	27.63	32.27	18.42	18.29
29/11/2024 09:48:28	5.67	13.02	44.40	8.21	12.67	46.51	8.70	10.67	45.39	28.15	27.85	32.44	18.71	18.52
29/11/2024 09:49:27	5.97	13.33	44.71	8.52	12.97	46.65	9.00	10.98	45.73	28.42	28.19	32.56	18.98	18.91
29/11/2024 09:50:28	5.89	13.36	44.72	8.44	13.02	46.81	8.92	11.14	45.70	28.34	28.20	32.42	19.01	18.89
29/11/2024 09:51:27	5.83	13.34	44.70	8.39	13.00	46.80	8.88	11.12	45.69	28.29	28.18	32.35	18.96	18.86
29/11/2024 09:52:27	5.84	13.49	44.84	8.40	13.17	46.88	8.89	11.42	45.76	28.31	28.25	32.36	19.08	18.89
29/11/2024 09:53:27	5.78	13.37	44.81	8.33	13.06	46.91	8.81	11.30	45.79	28.25	28.26	32.23	19.01	18.88
29/11/2024 09:54:26	5.53	13.34	44.78	8.15	13.04	46.83	8.64	11.37	45.71	28.12	28.15	32.16	18.94	18.74
29/11/2024 09:55:25	6.09	13.91	45.29	8.71	13.61	47.33	9.20	11.95	46.22	28.66	28.66	32.69	19.50	19.26
29/11/2024 09:56:25	6.09	13.92	45.40	8.71	13.63	47.47	9.19	12.02	46.36	28.63	28.76	32.63	19.59	19.31
29/11/2024 09:57:24	6.31	14.19	45.63	8.96	13.91	47.68	9.44	12.32	46.57	28.89	28.94	32.87	19.78	19.45
29/11/2024 09:58:23	6.38	14.28	45.77	9.05	14.00	47.81	9.53	12.43	46.69	29.01	29.04	32.98	19.89	19.49
29/11/2024 09:59:24	6.62	14.50	45.95	9.27	14.22	47.99	9.75	12.66	46.87	29.20	29.22	33.14	20.09	19.73
29/11/2024 10:00:23	6.41	14.38	45.93	9.08	14.11	47.94	9.56	12.60	46.82	29.07	29.13	33.00	19.98	19.54
29/11/2024 10:01:23	6.12	14.07	45.66	8.80	13.80	47.70	9.28	12.29	46.59	28.78	28.88	32.89	19.71	19.31
29/11/2024 10:02:22	6.34	14.33	45.87	9.05	14.07	47.87	9.53	12.58	46.75	29.06	29.02	32.97	19.92	19.41
29/11/2024 10:03:22	6.23	14.32	45.82	8.98	14.06	47.80	9.46	12.59	46.68	28.98	28.96	32.87	19.82	19.34
29/11/2024 10:04:22	6.43	14.47	45.91	9.16	14.21	47.84	9.64	12.77	46.71	29.21	29.01	33.15	20.02	19.39
29/11/2024 10:05:21	6.29	14.40	45.76	9.06	14.13	47.68	9.54	12.65	46.56	29.15	28.85	33.07	19.65	19.27
29/11/2024 10:06:20	6.88	14.84	46.19	9.44	14.59	48.05	9.92	13.15	46.91	29.49	29.19	33.52	20.30	19.51

29/11/2024 10:07:20	6.64	14.96	46.42	9.50	14.70	48.34	9.98	13.27	47.21	29.65	29.44	33.70	20.46	19.76
29/11/2024 10:08:20	6.58	14.91	46.34	9.43	14.65	48.23	9.92	13.22	47.10	29.60	29.33	33.74	20.48	19.62
29/11/2024 10:09:19	6.71	14.95	46.29	9.60	14.68	48.22	10.08	13.17	47.09	29.71	29.29	33.79	20.42	19.65
29/11/2024 10:10:19	6.43	14.80	46.15	9.36	14.53	48.01	9.84	13.06	46.87	29.55	29.05	33.67	20.23	19.32
29/11/2024 10:11:18	6.16	14.54	45.94	9.10	14.28	47.81	9.59	12.82	46.68	29.31	28.78	33.41	19.88	19.01
29/11/2024 10:12:18	6.19	14.76	46.41	9.15	14.50	48.32	9.65	13.06	47.17	29.44	29.21	33.60	20.21	19.34
29/11/2024 10:13:17	6.35	14.89	46.35	9.31	14.63	48.23	9.81	13.17	47.09	29.62	29.20	33.74	20.30	19.41
29/11/2024 10:14:17	6.55	15.10	46.74	9.54	14.84	48.59	10.03	13.40	47.44	30.02	29.46	34.13	20.55	19.57
29/11/2024 10:15:17	6.49	15.13	46.60	9.47	14.87	48.47	9.97	13.42	47.33	30.01	29.38	34.11	20.49	19.56
29/11/2024 10:16:16	5.82	15.07	46.73	8.82	14.83	48.58	9.36	13.46	47.43	29.70	29.42	34.07	20.55	19.55
29/11/2024 10:17:16	5.65	15.08	46.72	8.65	14.84	48.57	9.19	13.54	47.43	29.66	29.37	33.97	20.36	19.50
29/11/2024 10:18:15	5.91	15.36	47.21	8.91	15.13	49.06	9.45	13.83	47.91	30.18	29.77	34.53	20.78	19.79
29/11/2024 10:19:15	5.81	15.11	46.91	8.79	14.88	48.76	9.32	13.57	47.61	30.04	29.56	34.26	20.60	19.63
29/11/2024 10:20:15	5.39	14.96	47.49	8.40	14.74	49.34	8.94	13.48	48.17	29.89	29.79	34.22	20.59	19.62
29/11/2024 10:21:14	5.89	15.42	47.67	8.90	15.19	49.52	9.44	13.93	48.35	30.46	30.02	34.70	20.93	19.98
29/11/2024 10:22:15	5.24	15.28	47.63	8.31	15.05	49.47	8.88	13.79	48.30	30.28	29.90	34.68	20.84	19.75
29/11/2024 10:23:15	5.70	15.51	48.64	8.75	15.30	50.52	9.30	14.09	49.32	30.54	30.37	34.84	20.96	20.02
29/11/2024 10:24:14	5.23	15.67	48.70	8.35	15.45	50.48	8.94	14.23	49.27	30.86	30.38	35.17	21.08	19.88
29/11/2024 10:25:14	5.54	16.00	49.26	8.70	15.78	51.06	9.30	14.54	49.84	30.74	30.73	35.27	21.44	20.21
29/11/2024 10:26:13	5.02	15.74	49.76	8.20	15.54	51.26	8.80	14.40	49.95	30.64	30.43	35.06	20.95	19.48
29/11/2024 10:27:13	5.07	15.66	49.89	8.22	15.46	51.41	8.81	14.34	50.10	30.77	30.48	35.09	20.71	19.53
29/11/2024 10:28:13	5.65	16.11	50.22	8.79	15.91	51.73	9.38	14.78	50.42	31.56	30.89	35.73	21.36	19.91
29/11/2024 10:29:12	5.88	16.19	50.31	9.02	15.99	51.78	9.60	14.84	50.46	32.70	30.80	36.49	21.53	19.76
29/11/2024 10:30:11	5.82	15.25	50.27	8.99	16.04	51.48	9.57	14.89	50.11	32.79	30.55	36.61	21.78	19.54
29/11/2024 10:31:11	5.30	16.05	49.70	8.53	15.83	51.04	9.13	14.62	49.71	31.29	30.34	35.69	21.71	19.60
29/11/2024 10:32:11	5.23	16.07	49.81	8.44	15.86	50.77	9.05	14.72	49.37	31.46	30.03	35.82	21.75	19.29
29/11/2024 10:33:10	5.32	16.13	50.30	8.52	15.93	51.34	9.13	14.81	49.94	31.26	30.36	35.66	20.98	19.28
29/11/2024 10:34:10	5.44	16.13	50.21	8.61	15.94	51.17	9.20	14.88	49.76	31.69	30.18	35.81	20.93	19.08
29/11/2024 10:35:10	5.74	16.21	50.45	8.90	16.04	51.42	9.47	15.04	50.01	32.70	30.27	36.36	19.80	19.08
29/11/2024 10:36:09	5.23	15.79	50.05	8.35	15.63	51.05	8.92	14.73	49.66	32.11	29.93	35.98	19.21	18.75
29/11/2024 10:37:08	5.90	16.12	50.11	8.99	15.95	51.06	9.55	14.98	49.66	33.06	30.07	36.79	19.37	18.99
29/11/2024 10:38:09	6.44	16.84	50.37	9.62	16.63	51.19	10.20	15.51	49.78	33.96	30.18	37.73	18.08	19.25
29/11/2024 10:39:08	4.83	16.39	50.06	8.13	16.18	51.28	8.78	15.00	49.94	32.87	30.31	37.08	19.32	19.39
29/11/2024 10:40:07	4.79	16.02	50.09	8.05	15.81	51.30	8.68	14.60	49.93	33.16	30.19	37.24	19.28	19.27
29/11/2024 10:41:08	4.85	16.72	50.03	8.19	16.50	51.38	8.86	15.26	50.07	33.71	30.64	38.02	19.49	20.37
29/11/2024 10:42:07	4.63	17.22	50.88	8.14	16.98	51.57	8.87	15.61	50.11	34.61	30.57	39.13	20.07	19.62
29/11/2024 10:43:06	4.45	17.22	50.36	8.09	16.96	51.33	8.82	15.51	49.95	34.78	30.28	39.60	19.82	19.15
29/11/2024 10:44:06	4.52	17.19	50.55	8.15	15.94	51.46	8.87	15.53	50.06	35.02	30.41	39.56	20.55	19.22
29/11/2024 10:45:05	4.61	17.43	50.93	8.20	17.22	51.69	8.92	16.04	50.27	35.17	30.45	39.85	20.48	19.24
29/11/2024 10:46:05	4.91	17.77	51.13	8.57	17.53	51.95	9.30	16.19	50.53	35.59	30.76	40.72	20.93	19.67
29/11/2024 10:47:05	4.90	17.09	51.08	8.28	16.92	51.88	8.95	16.00	50.46	35.54	30.68	41.97	21.49	19.70
29/11/2024 10:48:04	4.87	15.47	50.74	7.89	15.27	51.88	8.49	14.17	50.45	35.27	30.57	42.81	22.32	19.40
29/11/2024 10:49:04	5.17	15.16	51.02	8.09	14.93	52.35	8.67	13.63	50.92	35.61	31.09	43.40	23.14	19.94
29/11/2024 10:50:03	5.06	15.00	50.84	7.94	14.80	52.13	8.51	13.68	50.70	35.47	30.81	43.08	22.93	19.70

29/11/2024 10:51:02	5.23	16.13	50.94	8.45	15.89	52.14	9.07	14.55	50.73	35.83	30.86	43.13	23.01	19.85
29/11/2024 10:52:02	5.06	16.09	50.61	8.30	15.86	51.75	8.93	14.59	50.35	35.73	30.52	42.85	22.76	19.49
29/11/2024 10:53:01	5.34	18.45	51.11	9.55	17.99	52.17	10.36	15.44	50.76	36.68	30.79	42.75	22.68	19.61
29/11/2024 10:54:00	5.64	18.76	51.34	10.03	18.22	52.45	10.87	15.19	51.03	36.96	31.10	42.20	22.83	19.78
29/11/2024 10:55:00	5.50	18.53	51.25	10.10	17.87	52.60	10.97	14.19	51.19	36.88	31.04	42.03	22.65	19.51
29/11/2024 10:55:59	5.74	18.68	51.37	10.37	18.01	52.74	11.24	14.22	51.33	36.92	31.19	41.63	22.68	19.56
29/11/2024 10:56:59	8.29	19.62	51.61	11.07	18.93	52.89	11.96	15.11	51.50	37.59	31.38	42.17	22.95	19.83
29/11/2024 10:57:59	6.19	19.27	51.22	10.89	18.61	52.49	11.75	14.92	51.09	37.44	31.05	41.88	22.80	19.59
29/11/2024 10:58:58	6.59	19.55	51.52	11.28	18.88	52.83	12.14	15.18	51.44	37.72	31.38	42.07	22.90	19.94
29/11/2024 10:59:57	6.70	20.06	51.72	11.27	19.53	52.69	12.10	16.61	51.30	37.74	31.23	42.07	22.62	19.82
29/11/2024 11:00:58	7.12	20.19	51.65	11.67	19.64	52.64	12.49	16.59	51.26	38.07	31.17	42.29	22.65	19.97
29/11/2024 11:01:57	7.49	20.43	51.92	11.99	19.90	52.84	12.80	16.95	51.44	38.37	31.35	42.60	22.73	20.18
29/11/2024 11:02:57	7.55	20.38	51.85	11.91	19.92	52.60	12.69	17.33	51.20	38.27	31.10	41.87	22.32	20.25
29/11/2024 11:03:56	7.75	20.39	51.95	11.99	19.98	52.65	12.74	17.68	51.24	38.35	31.19	41.77	22.37	20.34
29/11/2024 11:04:56	8.03	21.00	52.57	12.08	20.74	53.01	12.80	19.32	51.60	38.51	31.49	41.44	22.43	20.47
29/11/2024 11:05:56	7.87	20.90	52.74	11.73	20.76	53.09	12.41	20.03	51.68	38.25	31.51	41.10	22.33	20.40
29/11/2024 11:06:55	8.11	20.72	52.85	11.77	20.63	53.19	12.41	20.14	51.78	38.32	31.63	40.99	22.42	20.57
29/11/2024 11:07:54	8.22	20.85	53.02	11.84	20.79	53.29	12.47	20.50	51.88	38.40	31.72	41.07	22.62	20.60
29/11/2024 11:08:54	8.31	20.91	52.95	11.88	20.89	53.13	12.50	20.78	51.72	38.44	31.65	41.20	22.89	20.71
29/11/2024 11:09:53	8.73	21.04	53.08	12.28	21.02	53.27	12.88	20.92	51.86	38.74	31.70	41.50	23.15	20.57
29/11/2024 11:10:53	8.90	21.69	53.07	12.80	21.69	53.21	13.21	21.72	51.83	39.07	31.62	41.86	23.23	20.69
29/11/2024 11:11:53	9.33	21.84	54.00	13.04	21.82	54.28	13.64	21.73	52.88	39.35	32.35	42.19	23.30	20.97
29/11/2024 11:12:52	9.38	21.57	53.88	12.96	21.56	54.21	13.54	21.51	52.82	39.24	32.29	42.02	23.03	21.01
29/11/2024 11:13:52	9.38	21.40	53.58	13.08	21.38	53.86	13.63	21.30	52.46	39.30	32.01	42.16	22.99	20.72
29/11/2024 11:14:51	10.24	21.64	53.77	13.90	21.56	54.16	14.45	21.13	52.77	39.98	32.34	42.67	23.35	21.08
29/11/2024 11:15:51	10.18	21.24	53.56	14.18	21.07	54.12	14.74	20.09	52.72	40.15	32.31	42.55	23.25	21.13
29/11/2024 11:16:50	9.63	20.76	53.95	13.10	20.72	54.43	13.64	20.50	53.02	39.43	32.55	42.30	23.45	21.22
29/11/2024 11:17:51	9.52	20.69	53.87	13.05	20.64	54.37	13.59	20.33	52.96	39.39	32.53	42.39	23.42	21.14
29/11/2024 11:18:50	9.78	20.74	54.18	13.20	20.70	54.73	13.73	20.49	53.32	39.55	32.89	42.40	23.62	21.49
29/11/2024 11:19:49	9.80	20.72	54.27	13.25	20.70	54.77	13.76	20.56	53.36	39.59	32.92	42.32	23.59	21.47
29/11/2024 11:20:49	10.12	20.86	54.59	13.52	20.67	55.14	14.01	20.56	53.71	39.84	33.29	42.44	23.87	21.74
29/11/2024 11:21:48	10.14	20.47	54.66	13.60	20.44	55.24	14.07	20.28	53.80	39.79	33.37	42.30	23.87	21.75
29/11/2024 11:22:47	10.25	20.60	54.89	13.69	20.56	55.48	14.17	20.35	54.05	39.97	33.65	42.49	24.21	22.01
29/11/2024 11:23:48	10.20	20.58	55.03	13.60	20.53	55.65	14.09	20.30	54.21	39.97	33.75	42.60	24.36	22.14
29/11/2024 11:24:47	10.04	19.68	54.44	13.34	19.65	55.14	13.78	19.52	53.71	39.46	33.18	41.60	23.48	21.42
29/11/2024 11:25:47	10.49	20.51	55.69	13.78	20.49	56.51	14.24	20.37	55.08	40.13	34.45	42.59	24.51	22.71
29/11/2024 11:26:47	10.24	20.17	55.49	13.56	20.15	56.32	14.01	20.03	54.89	39.85	34.25	42.07	24.04	22.50
29/11/2024 11:27:46	10.01	20.03	55.34	13.39	19.99	56.25	13.85	19.80	54.82	39.66	34.13	42.05	23.97	22.35
29/11/2024 11:28:46	10.01	20.79	56.32	13.43	20.77	57.27	13.94	20.64	55.85	40.05	35.27	42.82	24.88	23.37
29/11/2024 11:29:45	9.90	20.69	56.24	13.32	20.67	57.17	13.83	20.55	55.74	40.04	35.02	42.76	24.73	23.18
29/11/2024 11:30:45	8.40	19.95	55.82	11.80	19.94	57.18	12.35	19.89	55.82	38.84	35.93	41.73	23.80	23.75
29/11/2024 11:31:44	8.05	20.41	56.31	11.55	20.40	57.28	12.15	20.39	55.85	38.84	34.71	42.31	24.41	22.94
29/11/2024 11:32:44	7.84	20.35	56.53	11.37	20.35	57.55	11.97	20.36	56.12	38.70	36.57	42.15	24.25	24.21
29/11/2024 11:33:43	7.30	20.38	56.77	10.87	20.39	57.03	11.50	20.43	55.44	38.61	37.21	42.22	24.13	24.67

29/11/2024 11:34:42	7.48	20.37	56.99	11.01	20.38	58.29	11.64	20.45	56.89	38.64	37.51	42.25	24.25	24.51
29/11/2024 11:35:42	7.13	20.33	57.34	10.72	20.34	59.20	11.36	20.42	57.90	38.44	38.31	42.13	24.12	24.97
29/11/2024 11:36:41	7.65	20.35	57.75	11.13	20.38	59.76	11.74	20.54	58.47	38.08	38.70	41.76	24.16	24.95
29/11/2024 11:37:40	7.72	20.52	57.52	11.24	20.54	59.50	11.86	20.66	58.22	38.38	38.37	42.09	24.55	25.04
29/11/2024 11:38:40	8.48	20.94	58.26	12.00	20.96	60.08	12.60	21.03	58.75	38.64	38.62	42.41	25.14	26.16
29/11/2024 11:39:39	8.64	20.96	58.36	12.15	20.98	60.08	12.73	21.10	58.73	38.61	38.39	42.36	25.19	25.98
29/11/2024 11:40:38	8.67	20.71	58.29	12.18	20.72	59.98	12.75	20.81	58.61	38.64	38.12	42.27	25.00	25.88
29/11/2024 11:41:37	8.95	20.70	58.20	12.38	20.72	59.89	12.94	20.82	58.53	38.64	37.87	42.44	25.26	25.76
29/11/2024 11:42:37	9.13	21.00	58.64	12.64	21.02	60.15	13.20	21.14	58.75	38.99	37.91	42.58	25.74	25.68
29/11/2024 11:43:37	9.08	21.14	58.85	12.61	21.17	60.37	13.17	21.34	58.97	39.01	37.99	42.84	26.60	26.15
29/11/2024 11:44:37	10.11	21.73	59.47	13.72	21.73	60.92	14.25	21.73	59.50	39.90	38.45	43.55	27.12	26.47
29/11/2024 11:45:37	9.09	21.05	58.82	12.65	21.07	60.26	13.21	21.20	58.84	38.93	37.78	42.77	26.44	26.00
29/11/2024 11:46:36	10.53	21.25	59.27	13.82	21.28	60.72	14.31	21.44	59.29	39.72	38.08	43.13	26.53	26.22
29/11/2024 11:47:35	10.58	21.21	59.37	13.86	21.24	60.69	14.34	21.40	59.24	39.62	37.94	43.07	26.55	26.45
29/11/2024 11:48:35	10.23	20.81	59.35	13.43	20.86	60.67	13.91	21.12	59.20	38.95	37.73	42.62	27.29	26.62
29/11/2024 11:49:34	11.18	21.50	60.06	14.34	21.56	61.36	14.80	21.86	59.89	39.63	38.27	43.09	27.54	27.29
29/11/2024 11:50:34	11.51	21.66	59.99	14.75	21.68	61.22	15.21	21.78	59.73	40.14	37.92	43.53	27.04	26.75
29/11/2024 11:51:34	11.70	21.51	59.84	14.91	21.51	61.07	15.36	21.53	59.58	40.13	37.65	43.41	27.11	26.53
29/11/2024 11:52:33	11.60	21.43	59.66	14.85	21.43	60.88	15.29	21.45	59.39	40.06	37.37	43.33	27.07	26.76
29/11/2024 11:53:33	12.32	21.97	59.99	15.51	21.98	61.12	15.94	22.02	59.62	40.68	37.57	43.89	27.93	25.80
29/11/2024 11:54:32	11.64	21.29	59.18	14.86	21.29	60.28	15.29	21.31	58.79	40.01	36.68	43.25	27.09	25.15
29/11/2024 11:55:32	12.45	21.97	60.06	15.66	21.97	61.16	16.09	21.97	59.65	40.81	37.51	43.97	27.77	26.15
29/11/2024 11:56:32	12.22	21.43	59.66	15.38	21.42	60.78	15.79	21.37	59.27	40.48	37.09	43.50	27.29	25.84
29/11/2024 11:57:31	12.31	21.57	59.80	15.49	21.57	60.89	15.90	21.51	59.38	40.51	37.22	43.63	27.49	25.98
29/11/2024 11:58:31	12.56	21.92	60.07	15.77	21.90	61.13	16.19	21.83	59.62	40.93	37.51	43.99	27.89	26.30
29/11/2024 11:59:32	12.59	21.97	60.13	15.86	21.94	61.18	16.28	21.82	59.66	41.03	37.57	44.05	27.78	26.39
29/11/2024 12:00:31	12.50	21.78	60.06	15.76	21.76	61.17	16.17	21.61	59.65	40.90	37.55	43.95	27.65	26.63
29/11/2024 12:01:30	12.59	22.17	60.35	15.88	22.16	61.41	16.31	22.10	59.89	41.07	37.91	44.22	28.05	27.09
29/11/2024 12:02:31	12.42	21.94	60.09	15.69	21.93	61.19	16.12	21.85	59.68	40.86	37.48	44.12	27.91	27.20
29/11/2024 12:03:30	12.62	22.02	60.22	15.88	22.01	61.32	16.30	21.91	59.81	41.01	37.63	44.09	27.84	27.22
29/11/2024 12:04:29	12.42	21.96	59.91	15.69	21.95	61.03	16.11	21.92	59.54	40.89	37.39	44.13	27.86	27.37
29/11/2024 12:05:28	12.52	22.05	60.15	15.77	22.05	61.28	16.20	22.06	59.78	40.98	37.62	44.16	27.95	27.60
29/11/2024 12:06:29	12.69	22.26	60.42	15.94	22.27	61.56	16.36	22.33	60.06	41.13	37.89	44.38	28.33	28.04
29/11/2024 12:07:29	12.88	22.33	60.84	16.10	22.34	62.01	16.51	22.38	60.50	41.32	38.33	44.48	28.55	28.28
29/11/2024 12:08:29	12.83	22.17	60.61	16.01	22.19	61.79	16.41	22.26	60.29	41.20	38.13	44.32	28.55	28.32
29/11/2024 12:09:28	12.80	21.88	60.61	15.98	21.86	61.87	16.38	21.79	60.36	41.18	38.15	44.29	28.44	28.50
29/11/2024 12:10:28	12.75	21.61	60.66	15.94	21.57	61.98	16.34	21.34	60.46	41.13	38.23	44.27	28.50	28.58
29/11/2024 12:11:27	12.62	21.68	60.62	15.86	21.65	61.94	16.27	21.44	60.42	41.06	38.12	44.23	28.42	28.79
29/11/2024 12:12:28	12.90	21.61	60.84	16.12	21.53	62.29	16.53	21.09	60.78	41.29	38.49	44.44	28.82	29.17
29/11/2024 12:13:27	12.95	21.47	60.81	16.17	21.37	62.26	16.57	20.82	60.74	41.36	38.48	44.53	28.90	29.33
29/11/2024 12:14:26	13.05	21.31	60.92	16.26	21.18	62.48	16.66	20.47	60.95	41.43	38.62	44.61	29.07	29.54
29/11/2024 12:15:26	12.85	21.12	60.84	16.08	20.98	62.36	16.48	20.22	60.83	41.25	38.50	44.40	28.91	29.42
29/11/2024 12:16:26	12.96	21.09	60.99	16.14	20.96	62.50	16.54	20.21	60.95	41.35	38.68	44.53	29.33	29.82
29/11/2024 12:17:25	13.03	21.25	61.21	16.27	21.11	62.60	16.67	20.35	61.02	41.45	38.82	44.58	29.29	29.51

29/11/2024 12:18:25	13.18	21.33	61.42	16.41	21.20	62.82	16.80	20.46	61.24	41.53	39.04	44.62	29.31	29.54
29/11/2024 12:19:24	12.97	20.98	61.33	16.18	20.83	62.91	16.57	20.00	61.35	41.33	39.25	44.35	29.82	29.75
29/11/2024 12:20:24	12.50	21.34	62.41	15.62	21.29	63.84	16.03	21.01	62.25	41.11	40.42	44.25	26.61	30.54
29/11/2024 12:21:24	12.28	21.89	62.96	15.53	21.84	64.50	15.98	21.59	62.94	41.13	39.46	44.95	29.31	30.20
29/11/2024 12:22:23	12.12	21.65	63.07	15.31	21.63	64.63	15.75	21.52	63.06	40.88	39.23	44.65	28.99	29.81
29/11/2024 12:23:22	11.90	21.40	63.15	15.03	21.40	64.77	15.45	21.41	63.20	40.60	39.36	44.47	29.10	30.00
29/11/2024 12:24:23	11.67	21.02	62.54	14.76	21.03	64.50	15.18	21.09	63.01	40.40	39.39	43.65	29.51	30.21
29/11/2024 12:25:22	12.06	21.16	62.70	15.19	21.15	64.06	15.60	21.08	63.15	40.75	39.00	44.25	29.79	30.26
29/11/2024 12:26:22	12.45	21.36	63.15	15.57	21.34	65.28	15.97	21.24	63.80	41.09	39.74	44.45	30.11	30.32
29/11/2024 12:27:22	12.39	21.35	63.19	15.55	21.33	65.23	15.95	21.23	63.73	41.03	39.40	44.64	29.97	30.04
29/11/2024 12:28:22	12.62	21.28	63.41	15.70	21.27	65.02	16.08	21.17	64.13	41.15	39.35	44.62	30.09	30.06
29/11/2024 12:29:21	12.35	21.29	63.41	15.47	21.29	65.72	15.88	21.30	64.26	41.05	39.45	44.76	30.19	30.13
29/11/2024 12:30:21	12.42	21.41	63.74	15.54	21.42	66.06	15.93	21.45	64.60	41.17	39.52	45.42	30.43	30.13
29/11/2024 12:31:21	12.62	21.77	64.03	15.80	21.78	66.34	16.20	21.83	64.88	41.42	39.91	45.46	30.52	30.53
29/11/2024 12:32:20	12.48	21.79	64.30	15.65	21.82	66.47	16.05	21.96	64.98	41.35	39.61	45.66	30.55	30.21
29/11/2024 12:33:19	12.35	21.66	64.43	15.57	21.90	66.45	15.98	22.12	64.93	41.28	39.74	45.72	30.08	30.32
29/11/2024 12:34:20	12.23	21.90	64.78	15.44	21.95	66.83	15.85	22.23	65.30	41.24	39.05	46.34	30.13	30.40
29/11/2024 12:35:19	12.41	21.86	64.74	15.57	21.91	66.76	15.97	22.19	65.23	41.22	39.94	46.02	29.98	30.36
29/11/2024 12:36:19	12.57	22.30	65.31	15.79	22.35	67.26	16.20	22.66	65.71	41.44	40.39	46.73	30.32	30.73
29/11/2024 12:37:18	11.91	21.84	64.79	15.10	21.92	66.73	15.52	22.35	65.19	40.84	39.95	49.28	30.77	30.41
29/11/2024 12:38:17	11.82	21.88	64.93	15.01	21.96	66.83	15.43	22.43	65.28	40.82	40.07	47.19	30.33	30.42
29/11/2024 12:39:18	11.77	21.90	65.09	14.95	22.01	66.96	15.37	22.60	65.40	40.65	40.28	47.19	30.39	30.57
29/11/2024 12:40:17	11.89	21.79	65.46	14.98	21.91	67.28	15.38	22.60	65.70	40.58	40.51	47.20	30.55	30.61
29/11/2024 12:41:16	12.57	21.98	66.27	15.56	22.12	68.13	15.94	22.66	68.53	41.17	41.41	47.71	31.30	31.47
29/11/2024 12:42:16	11.77	21.35	65.56	14.66	21.53	67.32	15.03	22.56	65.71	40.25	40.52	46.71	30.46	30.59
29/11/2024 12:43:16	11.68	21.31	65.72	14.63	21.47	67.64	15.01	22.35	66.05	40.40	40.87	46.89	30.61	30.89
29/11/2024 12:44:16	11.80	21.30	65.95	14.69	21.45	67.91	15.06	22.32	66.32	40.36	41.12	47.00	30.83	31.12
29/11/2024 12:45:15	11.79	21.06	65.62	14.72	21.19	67.52	15.09	21.88	65.91	40.42	40.88	47.00	30.85	30.99
29/11/2024 12:46:14	12.02	21.26	65.89	14.98	21.36	67.87	15.36	21.91	66.27	40.67	41.16	47.32	31.23	31.23
29/11/2024 12:47:14	12.05	20.92	65.92	14.97	20.99	67.96	15.34	21.41	66.35	40.57	41.30	47.25	31.32	31.31
29/11/2024 12:48:14	11.96	20.87	65.94	14.85	20.95	68.05	15.22	21.39	66.45	40.36	41.33	47.10	31.18	31.30
29/11/2024 12:49:13	11.88	20.67	65.87	14.82	20.72	68.01	15.19	21.00	66.39	40.40	41.34	47.18	31.33	31.31
29/11/2024 12:50:13	12.13	21.01	66.13	15.07	21.06	68.25	15.45	21.36	66.64	40.56	41.55	47.30	31.51	31.51
29/11/2024 12:51:13	12.14	20.91	66.06	15.08	20.96	68.17	15.45	21.25	66.55	40.62	41.51	47.30	31.57	31.43
29/11/2024 12:52:13	12.04	21.04	65.96	15.04	21.10	68.02	15.41	21.42	66.41	40.42	41.33	47.07	31.44	31.29
29/11/2024 12:53:12	12.42	21.61	66.48	15.48	21.67	68.55	15.87	22.00	66.94	40.89	41.88	47.67	32.05	31.89
29/11/2024 12:54:12	11.94	21.37	66.04	15.02	21.45	68.05	15.41	21.89	66.44	40.42	41.32	47.21	31.52	31.32
29/11/2024 12:55:12	12.14	21.59	66.17	15.24	21.67	68.17	15.63	22.12	66.56	40.69	41.51	47.49	31.66	31.60
29/11/2024 12:56:11	12.12	21.61	66.12	15.25	21.69	68.10	15.65	22.10	66.49	40.58	41.39	47.33	31.51	31.40
29/11/2024 12:57:11	12.11	21.55	66.28	15.26	21.61	68.32	15.65	21.97	66.71	40.64	41.61	47.44	31.85	31.62
29/11/2024 12:58:10	12.58	22.14	66.69	15.74	22.22	68.69	16.14	22.62	67.09	41.11	41.98	47.94	31.97	32.07
29/11/2024 12:59:09	12.34	21.86	66.52	15.54	21.92	68.55	15.94	22.24	66.94	40.89	41.81	47.71	32.01	31.77
29/11/2024 13:00:09	12.52	21.95	66.65	15.71	22.00	68.71	16.11	22.26	67.10	41.00	41.93	47.79	31.96	31.89
29/11/2024 13:01:06	12.41	21.76	66.48	15.60	21.80	68.54	16.00	22.05	66.93	40.94	41.82	47.72	31.89	31.85

29/11/2024 13:02:08	12.41	21.82	66.59	15.61	21.86	68.65	16.00	22.10	67.04	40.90	41.88	47.72	31.79	31.83
29/11/2024 13:03:07	12.41	21.86	66.69	15.65	21.89	68.78	16.06	22.09	67.17	40.96	41.99	47.85	32.17	31.90
29/11/2024 13:04:06	12.48	21.86	66.69	15.70	21.89	68.78	16.10	22.06	67.16	40.97	41.97	47.82	32.08	31.90
29/11/2024 13:05:05	12.65	21.93	66.92	15.89	21.95	69.03	16.28	22.09	67.41	41.20	42.19	48.05	32.58	32.03
29/11/2024 13:06:05	12.57	21.83	66.80	15.79	21.86	68.92	16.19	21.99	67.30	41.09	42.04	47.95	32.12	31.87
29/11/2024 13:07:04	12.87	22.08	67.17	16.11	22.10	69.31	16.50	22.22	67.69	41.42	42.42	48.27	32.61	32.22
29/11/2024 13:08:04	12.95	22.14	67.14	16.21	22.16	69.28	16.60	22.26	67.67	41.47	42.40	48.26	32.52	32.21
29/11/2024 13:09:04	12.88	22.00	67.21	16.10	22.02	69.35	16.49	22.11	67.72	41.41	42.45	48.24	32.65	32.20
29/11/2024 13:10:04	12.82	21.97	67.24	16.00	21.99	69.41	16.40	22.11	67.79	41.31	42.47	48.09	32.63	32.15
29/11/2024 13:11:03	12.96	22.01	67.34	16.18	22.02	69.49	16.56	22.10	67.86	41.45	42.57	48.18	32.63	32.30
29/11/2024 13:12:03	13.02	22.13	67.39	16.23	22.15	69.56	16.62	22.27	67.94	41.53	42.58	48.33	32.80	32.26
29/11/2024 13:13:02	13.21	22.48	67.92	16.45	22.50	70.09	16.84	22.65	68.47	41.74	43.06	48.82	33.47	32.63
29/11/2024 13:14:01	13.22	22.47	67.76	16.47	22.49	69.92	16.66	22.61	68.29	41.78	42.89	48.66	33.38	32.56
29/11/2024 13:15:01	12.22	21.40	66.54	15.49	21.43	68.68	15.88	21.55	67.06	40.77	41.62	47.60	32.65	31.26
29/11/2024 13:16:01	12.97	22.09	67.22	16.25	22.11	69.36	16.63	22.22	67.74	41.45	42.26	48.21	33.23	31.78
29/11/2024 13:17:01	12.97	22.23	67.24	16.27	22.26	69.37	16.65	22.44	67.76	41.49	42.35	48.21	33.22	32.13
29/11/2024 13:18:01	13.16	22.40	67.63	16.49	22.42	69.74	16.88	22.55	68.11	41.72	42.65	48.52	33.58	32.30
29/11/2024 13:19:01	13.27	22.51	67.71	16.59	22.53	69.82	16.98	22.66	68.19	41.87	42.79	48.70	33.66	32.47
29/11/2024 13:20:00	12.94	22.29	67.02	16.26	22.33	69.08	16.65	22.52	67.46	41.54	42.10	48.42	33.85	31.83
29/11/2024 13:21:00	13.23	22.56	67.47	16.60	22.59	69.54	16.99	22.77	67.92	41.88	42.53	48.74	34.05	32.23
29/11/2024 13:22:00	13.41	22.59	67.55	16.78	22.61	69.68	17.16	22.77	68.04	41.95	42.60	48.65	33.84	32.25
29/11/2024 13:22:59	13.18	22.53	67.19	16.55	22.57	69.24	16.93	22.79	67.63	41.78	42.30	48.63	34.20	32.06
29/11/2024 13:23:58	13.30	22.60	67.25	16.66	22.64	69.33	17.05	22.87	67.72	41.88	42.41	48.61	34.23	32.29
29/11/2024 13:24:58	13.21	22.63	67.19	16.63	22.67	69.26	17.01	22.91	67.65	41.84	42.31	48.71	34.59	32.15
29/11/2024 13:25:58	13.04	22.33	67.24	16.36	22.37	69.39	16.74	22.61	67.78	41.56	42.41	48.43	38.02	32.12
29/11/2024 13:26:58	13.18	22.20	67.68	16.43	22.22	69.89	16.81	22.30	68.26	41.66	42.65	48.51	40.29	31.96
29/11/2024 13:27:58	13.17	22.17	67.82	16.39	22.19	70.05	16.77	22.25	68.42	41.66	42.75	48.66	40.55	31.98
29/11/2024 13:28:57	12.86	22.08	67.79	16.13	22.10	70.00	16.53	22.18	68.37	41.44	42.74	48.50	40.67	32.21
29/11/2024 13:29:57	13.32	22.40	68.00	16.52	22.42	70.17	16.91	22.53	68.53	41.74	42.80	48.69	40.94	32.34
29/11/2024 13:30:57	13.47	22.62	68.49	16.69	22.64	70.68	17.08	22.74	69.03	41.97	43.29	48.96	40.69	32.73
29/11/2024 13:31:57	13.60	22.30	68.11	16.84	22.30	70.36	17.21	22.32	68.73	42.12	43.04	48.75	39.44	32.39
29/11/2024 13:32:56	13.39	22.09	68.11	16.78	22.10	70.31	17.13	22.18	68.66	41.99	42.81	48.54	39.63	32.34
29/11/2024 13:33:56	13.83	22.79	68.52	17.42	22.81	70.71	17.78	22.91	69.07	42.57	43.16	49.16	40.21	32.85
29/11/2024 13:34:56	13.91	22.82	68.87	17.33	22.84	71.10	17.70	22.93	69.45	42.54	43.52	49.26	39.80	33.38
29/11/2024 13:35:55	13.97	22.61	68.23	17.35	22.62	70.50	17.70	22.65	68.88	42.58	42.78	49.22	39.19	31.54
29/11/2024 13:36:54	13.25	22.27	69.61	16.63	22.29	71.73	17.00	22.40	70.00	41.92	42.59	48.67	38.63	31.14
29/11/2024 13:37:54	13.47	22.91	66.54	17.00	22.94	68.84	17.39	23.12	67.32	42.28	41.63	49.13	39.43	31.43
29/11/2024 13:38:53	13.23	22.67	67.59	16.73	22.70	69.74	17.12	22.85	68.14	42.13	42.20	48.95	38.82	31.81
29/11/2024 13:39:53	12.94	22.72	67.41	16.40	22.75	69.58	16.81	22.95	67.99	41.53	42.16	48.63	38.48	31.79
29/11/2024 13:40:52	13.01	23.13	68.51	16.64	23.17	68.73	17.06	23.43	67.21	41.82	41.68	48.95	38.58	31.32
29/11/2024 13:41:51	12.05	22.57	67.12	15.65	22.60	69.37	16.11	22.77	67.79	41.08	41.95	48.60	37.90	31.13
29/11/2024 13:42:51	12.86	23.29	66.59	16.54	23.33	68.78	16.98	23.51	67.26	41.71	41.72	49.12	38.06	31.14
29/11/2024 13:43:50	11.19	23.84	67.58	15.07	23.87	69.66	15.65	24.08	68.10	41.47	42.46	49.96	39.09	31.75
29/11/2024 13:44:49	9.79	23.27	67.62	13.79	23.27	69.67	14.43	23.28	68.06	41.05	42.25	49.85	38.31	31.42

29/11/2024 13:45:49	10.70	23.08	67.67	14.53	23.08	69.73	15.11	23.04	68.11	40.90	42.30	49.66	38.35	31.45
29/11/2024 13:46:48	11.53	23.79	67.99	15.37	23.79	69.87	15.94	23.82	68.24	41.15	42.55	49.80	38.62	31.83
29/11/2024 13:47:47	11.92	23.25	67.69	15.58	23.28	69.56	16.08	23.41	67.92	41.07	42.25	49.36	38.20	31.64
29/11/2024 13:48:47	12.05	23.42	68.89	15.72	23.42	70.95	16.24	23.44	69.30	41.35	43.15	49.64	38.20	32.05
29/11/2024 13:49:46	12.19	23.35	68.89	15.81	23.35	70.93	16.32	23.39	69.26	41.20	43.19	49.82	38.13	32.37
29/11/2024 13:50:46	12.37	23.90	69.34	16.13	23.87	71.33	16.66	23.76	69.65	41.37	43.45	50.41	38.73	32.44
29/11/2024 13:51:45	12.11	23.67	69.09	15.88	23.64	71.04	16.42	23.50	69.35	41.17	43.08	50.32	38.43	32.07
29/11/2024 13:52:45	12.17	24.05	69.10	16.17	23.96	71.02	16.74	23.45	69.33	41.19	43.07	50.47	38.70	32.13
29/11/2024 13:53:45	12.84	22.60	69.83	15.88	22.73	71.80	16.27	23.50	70.09	40.94	43.77	50.84	39.02	32.83
29/11/2024 13:54:44	12.71	22.74	69.55	15.91	22.85	71.46	16.32	23.47	69.75	41.03	43.40	50.57	38.56	32.54
29/11/2024 13:55:43	13.04	23.84	72.42	16.60	23.86	74.07	17.08	23.97	72.20	41.53	44.59	51.30	39.14	32.56
29/11/2024 13:56:43	13.60	22.98	74.86	18.52	23.16	76.26	16.87	24.17	74.24	41.69	45.78	52.14	39.79	32.94
29/11/2024 13:57:43	12.71	21.99	74.65	15.56	22.19	76.05	15.91	23.28	74.00	40.73	45.27	50.66	38.70	32.25
29/11/2024 13:58:42	12.77	21.87	71.66	15.65	22.05	73.31	15.98	23.05	71.44	40.88	44.04	50.68	38.71	32.22
29/11/2024 13:59:42	13.34	22.47	72.06	16.27	22.63	73.70	16.62	23.49	71.82	41.17	44.41	51.36	39.32	32.57
29/11/2024 14:00:42	14.10	23.17	71.74	17.12	23.30	73.50	17.47	24.01	71.68	42.21	44.66	49.56	39.00	33.17
29/11/2024 14:01:41	13.40	22.43	71.90	16.37	22.57	73.41	16.72	23.35	71.51	41.45	44.06	51.47	39.08	32.25
29/11/2024 14:02:41	13.48	22.35	71.08	16.47	22.48	72.86	16.81	23.17	71.04	41.47	43.75	49.41	37.45	32.25
29/11/2024 14:03:40	13.15	22.18	71.54	16.12	22.32	73.12	16.46	23.16	71.25	41.21	43.69	51.21	38.32	31.93
29/11/2024 14:04:40	13.61	22.53	71.69	16.59	22.68	73.37	16.92	23.49	71.47	41.57	43.96	52.11	38.54	32.32
29/11/2024 14:05:40	14.05	23.14	72.20	17.11	23.27	73.77	17.46	23.97	71.90	42.02	44.29	52.65	38.43	32.75
29/11/2024 14:06:40	13.95	23.04	72.38	16.97	23.19	73.81	17.31	24.03	71.91	41.97	44.22	52.97	38.66	32.62
29/11/2024 14:07:40	13.58	22.70	72.49	16.58	22.86	73.85	16.92	23.75	71.92	41.41	44.11	52.14	38.82	32.29
29/11/2024 14:08:40	14.34	23.38	73.18	17.37	23.51	74.61	17.72	24.27	72.88	42.31	44.85	53.46	39.54	33.03
29/11/2024 14:09:40	13.44	22.69	72.50	16.51	22.84	73.86	16.86	23.65	71.92	41.37	44.10	52.48	39.05	32.21
29/11/2024 14:10:40	13.50	22.72	72.76	16.55	22.87	73.99	16.90	23.70	72.02	41.41	44.25	52.63	39.41	32.37
29/11/2024 14:11:39	13.73	22.87	72.92	16.75	23.01	74.18	17.10	23.81	72.21	41.58	44.44	52.95	39.81	32.52
29/11/2024 14:12:39	14.25	23.44	73.48	17.34	23.57	74.71	17.69	24.28	72.72	42.15	45.02	53.41	40.83	33.13
29/11/2024 14:13:38	13.59	22.67	72.92	16.72	22.77	74.23	17.08	23.28	72.25	41.54	44.48	52.92	40.03	32.53
29/11/2024 14:14:38	14.06	22.91	73.36	17.22	22.96	74.79	17.58	23.19	72.81	42.03	45.05	53.47	41.01	33.06
29/11/2024 14:15:38	13.82	22.53	73.16	16.99	22.54	74.63	17.35	22.62	72.64	41.76	44.86	53.17	40.69	32.84
29/11/2024 14:16:37	13.58	22.17	72.78	16.76	22.16	74.30	17.13	22.09	72.31	41.51	44.59	52.90	40.88	32.63
29/11/2024 14:17:37	13.79	22.22	73.07	16.98	22.18	74.71	17.35	21.97	72.72	41.72	44.91	53.08	41.25	32.92
29/11/2024 14:18:36	14.06	22.73	73.28	17.31	22.70	74.87	17.69	22.53	72.89	42.03	45.05	53.55	42.61	33.13
29/11/2024 14:19:36	14.17	22.85	73.38	17.41	22.83	74.93	17.79	22.69	72.95	42.11	45.09	53.52	42.04	33.16
29/11/2024 14:20:36	14.01	22.65	73.33	17.27	22.61	74.93	17.65	22.39	72.94	41.94	45.08	53.38	42.07	33.11
29/11/2024 14:21:35	14.48	23.10	73.91	17.74	23.05	75.55	18.12	22.77	73.56	42.41	45.66	53.85	42.22	33.71
29/11/2024 14:22:35	14.83	23.45	74.33	18.11	23.40	75.97	18.49	23.09	73.98	42.80	46.03	54.33	43.39	34.14
29/11/2024 14:23:35	14.10	22.36	73.56	17.35	22.26	75.33	17.73	21.73	73.33	41.97	45.36	53.24	41.84	33.23
29/11/2024 14:24:35	14.88	23.09	74.25	18.13	22.99	76.02	18.51	22.43	74.03	42.83	46.11	54.20	42.73	34.09
29/11/2024 14:25:35	14.74	22.86	74.12	18.01	22.74	75.94	18.39	22.08	73.94	42.66	45.99	53.93	42.60	33.87
29/11/2024 14:26:35	14.91	23.23	74.45	18.22	23.13	76.25	18.60	22.54	74.26	42.88	46.27	54.17	43.05	34.07
29/11/2024 14:27:34	14.70	22.86	74.26	17.97	22.74	76.14	18.35	22.10	74.14	42.63	46.14	53.84	42.59	34.00
29/11/2024 14:28:33	14.47	22.72	74.21	17.77	22.61	76.08	18.15	21.99	74.09	42.46	46.05	53.75	42.78	33.87

29/11/2024 14:29:34	14.69	22.89	74.36	17.99	22.78	76.26	18.38	22.12	74.28	42.67	46.16	53.89	42.85	33.90
29/11/2024 14:30:33	14.86	23.12	74.68	18.17	23.01	76.58	18.55	22.39	74.58	42.85	46.49	54.11	43.15	34.28
29/11/2024 14:31:32	15.03	23.27	74.96	18.33	23.15	76.90	18.72	22.51	74.91	43.04	46.76	54.31	43.29	34.51
29/11/2024 14:32:33	15.34	23.75	75.44	18.69	23.64	77.35	19.07	23.07	75.36	43.40	47.22	54.73	43.97	35.06
29/11/2024 14:33:32	14.24	22.65	74.37	17.60	22.59	76.32	17.99	22.00	74.33	42.31	46.11	53.62	42.81	33.84
29/11/2024 14:34:31	14.85	23.43	75.21	18.23	23.34	77.11	18.62	22.83	75.12	42.97	46.83	54.35	43.68	34.45
29/11/2024 14:35:31	15.09	23.67	75.40	18.47	23.58	77.32	18.86	23.07	75.32	43.20	47.06	54.62	43.94	34.69
29/11/2024 14:36:30	15.11	23.75	75.56	18.51	23.66	77.46	18.90	23.18	75.47	43.23	47.13	54.60	43.94	34.59
29/11/2024 14:37:30	14.88	23.60	75.33	18.29	23.52	77.25	18.69	23.08	75.26	42.98	46.80	54.37	43.83	34.10
29/11/2024 14:38:30	14.56	23.21	75.10	17.95	23.13	76.97	18.35	22.69	74.97	42.66	46.70	54.03	43.32	34.05
29/11/2024 14:39:29	14.59	23.31	75.20	17.99	23.23	77.06	18.39	22.81	75.05	42.69	46.56	54.04	43.43	33.78
29/11/2024 14:40:30	14.71	23.82	75.41	18.19	23.55	77.24	18.58	23.16	75.24	42.92	46.78	54.39	43.91	34.04
29/11/2024 14:41:30	14.94	23.70	75.57	18.39	23.62	77.47	18.78	23.18	75.48	43.10	46.92	54.51	43.95	34.12
29/11/2024 14:42:29	15.05	23.87	75.83	18.52	23.79	77.65	18.92	23.36	75.63	43.23	47.04	54.67	44.13	33.95
29/11/2024 14:43:29	15.05	23.86	76.00	18.52	23.78	77.88	18.91	23.33	75.87	43.34	47.35	54.85	44.10	34.39
29/11/2024 14:44:29	14.95	23.84	76.36	18.45	23.76	78.25	18.84	23.34	76.22	43.27	47.50	54.79	44.07	34.03
29/11/2024 14:45:28	14.97	23.86	76.39	18.44	23.79	78.22	18.84	23.39	76.19	43.27	47.14	54.77	44.10	33.60
29/11/2024 14:46:27	14.75	23.82	76.58	18.27	23.76	78.38	18.67	23.40	76.33	43.15	47.13	54.71	44.10	33.34
29/11/2024 14:47:27	14.66	23.79	76.56	18.19	23.73	78.37	18.60	23.37	76.32	43.09	47.06	54.68	44.06	33.34
29/11/2024 14:48:27	14.67	23.88	76.81	18.21	23.82	78.57	18.62	23.50	78.51	43.11	47.01	54.70	44.14	33.16
29/11/2024 14:49:26	14.91	24.17	77.41	18.47	24.12	79.10	18.88	23.81	77.01	43.39	47.12	55.01	44.50	33.03
29/11/2024 14:50:25	14.60	24.10	77.37	18.25	24.05	78.63	18.66	23.78	76.46	43.13	46.81	54.79	44.46	33.11
29/11/2024 14:51:25	14.37	23.77	76.98	17.97	23.72	78.22	18.38	23.44	76.04	42.86	46.57	54.53	44.19	32.91
29/11/2024 14:52:25	14.72	24.07	77.53	18.30	24.02	78.60	18.71	23.76	76.39	43.18	46.83	54.79	44.47	33.31
29/11/2024 14:53:25	14.85	24.41	78.22	18.48	24.37	79.26	18.90	24.12	77.02	43.45	47.25	55.15	44.74	33.53
29/11/2024 14:54:24	14.75	24.36	78.10	18.39	24.32	79.20	18.81	24.09	76.98	43.38	47.26	55.12	44.73	33.52
29/11/2024 14:55:24	15.01	24.54	78.67	18.63	24.50	79.65	19.05	24.27	77.40	43.59	47.48	55.25	44.82	33.61
29/11/2024 14:56:23	14.46	23.92	77.97	18.07	23.87	78.95	18.48	23.63	76.69	43.05	47.00	54.71	44.13	33.12
29/11/2024 14:57:23	14.52	23.95	78.37	18.12	23.90	79.47	18.53	23.66	77.22	43.08	47.30	54.68	44.08	33.27
29/11/2024 14:58:23	14.26	23.75	77.97	17.89	23.71	79.11	18.30	23.48	76.88	42.89	47.09	54.50	43.98	33.25
29/11/2024 14:59:22	14.55	23.96	79.12	18.15	23.92	80.14	18.56	23.69	77.85	43.15	47.65	54.77	44.03	33.36
29/11/2024 15:00:22	14.61	24.06	78.74	18.25	24.01	79.85	18.66	23.76	77.59	43.29	47.54	54.96	44.30	33.43
29/11/2024 15:01:21	14.66	24.23	79.73	18.31	24.19	80.79	18.73	23.96	78.48	43.31	48.06	54.96	44.48	33.68
29/11/2024 15:02:20	14.79	24.52	79.71	18.49	24.49	80.78	18.91	24.27	78.49	43.50	48.11	55.17	44.72	33.75
29/11/2024 15:03:19	14.74	24.41	80.33	18.42	24.37	81.39	18.84	24.14	79.07	43.50	48.51	55.22	44.70	34.00
29/11/2024 15:04:19	14.89	24.56	80.59	18.59	24.51	81.64	19.01	24.25	79.31	43.64	48.67	55.44	44.93	34.10
29/11/2024 15:05:18	14.72	24.29	80.45	18.38	24.24	81.56	18.80	23.98	79.24	43.44	48.51	55.20	44.70	33.91
29/11/2024 15:06:18	15.62	25.38	81.35	19.31	25.33	82.43	19.74	25.09	80.11	44.50	49.45	56.41	45.85	34.95
29/11/2024 15:07:17	14.70	24.26	80.26	18.36	24.21	81.39	18.78	23.92	79.07	43.45	48.32	55.20	44.57	33.69
29/11/2024 15:08:18	14.69	24.41	80.09	18.43	24.35	81.27	18.86	24.01	78.97	43.56	48.36	55.40	44.88	33.91
29/11/2024 15:09:17	14.94	24.53	80.40	18.67	24.47	81.56	19.10	24.13	79.25	43.81	48.56	55.58	44.79	34.04
29/11/2024 15:10:16	14.81	24.59	79.95	18.58	24.54	81.05	18.99	24.25	78.75	43.65	48.12	55.48	44.98	33.74
29/11/2024 15:11:17	15.01	24.80	80.43	18.77	24.75	81.59	19.19	24.50	79.29	43.88	48.57	55.74	45.36	34.13
29/11/2024 15:12:16	15.19	25.03	80.10	19.04	24.98	81.20	19.46	24.70	78.92	44.01	48.27	55.81	45.50	33.95

29/11/2024 15:13:15	15.61	25.35	80.47	19.44	25.30	81.52	19.86	25.05	79.23	44.38	48.60	56.10	45.87	34.22
29/11/2024 15:14:15	15.02	24.86	79.83	18.90	24.81	80.89	19.32	24.53	78.60	43.85	47.97	55.67	45.36	33.66
29/11/2024 15:15:14	14.94	25.09	80.10	18.81	25.04	81.17	19.26	24.80	78.89	43.88	48.27	55.81	45.67	33.92
29/11/2024 15:16:13	15.47	25.46	80.23	19.37	25.41	81.29	19.80	25.15	79.01	44.29	48.43	56.12	46.00	34.13
29/11/2024 15:17:12	15.76	25.88	80.63	19.66	25.83	81.69	20.10	25.56	79.42	44.73	48.86	56.72	46.60	34.63
29/11/2024 15:18:12	15.46	25.50	80.29	19.36	25.46	81.36	19.79	25.20	79.08	44.39	48.56	56.38	46.24	34.34
29/11/2024 15:19:11	15.07	25.18	79.83	19.00	25.13	80.87	19.43	24.89	78.60	43.93	48.07	55.93	45.96	33.80
29/11/2024 15:20:11	15.04	25.41	80.11	19.03	25.36	81.16	19.48	25.07	78.89	44.08	48.36	56.26	46.23	34.12
29/11/2024 15:21:10	15.59	25.73	80.25	19.58	25.68	81.27	20.02	25.39	79.00	44.52	48.47	56.62	46.62	34.24
29/11/2024 15:22:10	15.07	25.90	80.30	19.16	25.85	81.30	19.64	25.55	79.03	44.36	48.57	56.73	46.75	34.39
29/11/2024 15:23:11	14.83	25.85	80.40	18.91	25.80	81.41	19.39	25.55	79.14	44.25	48.66	56.77	46.85	34.41
29/11/2024 15:24:11	14.37	25.90	80.39	18.53	25.84	81.43	19.05	25.51	79.16	44.03	48.67	56.91	46.99	34.46
29/11/2024 15:25:10	15.23	26.11	80.45	19.36	26.05	81.46	19.84	25.73	79.20	44.56	48.72	57.05	47.04	34.54
29/11/2024 15:26:09	14.04	26.27	80.53	18.32	26.21	81.52	18.88	25.86	79.25	43.64	48.78	56.96	47.21	34.58
29/11/2024 15:27:10	14.32	26.38	80.76	18.54	26.34	81.75	19.09	26.09	79.48	43.78	48.98	57.09	47.44	34.71
29/11/2024 15:28:09	14.01	26.60	80.84	18.36	28.54	81.79	18.94	26.24	79.51	43.01	49.01	56.94	47.62	34.73
29/11/2024 15:29:08	13.46	26.70	80.98	17.87	26.65	81.93	18.49	26.35	79.66	43.37	49.13	57.25	47.68	34.88
29/11/2024 15:30:06	13.71	27.21	81.18	18.25	27.14	82.08	18.88	26.74	79.81	42.71	49.34	57.13	48.08	35.10
29/11/2024 15:31:08	13.74	27.19	81.11	18.29	27.12	81.95	18.92	26.74	79.66	42.58	49.17	57.17	48.13	34.81
29/11/2024 15:32:07	13.64	28.31	81.34	18.62	28.18	82.06	19.33	27.45	79.77	42.84	49.27	57.42	48.38	34.85
29/11/2024 15:33:06	13.88	28.77	81.62	18.91	28.66	82.26	19.63	28.04	79.97	42.98	49.47	57.62	48.65	35.07
29/11/2024 15:34:06	13.60	28.79	81.58	18.66	28.69	82.16	19.39	28.16	79.87	42.83	49.39	57.65	48.69	34.96
29/11/2024 15:35:06	13.42	28.94	81.67	18.52	28.87	82.21	19.26	28.46	79.92	42.77	49.42	57.65	48.74	34.97
29/11/2024 15:36:05	13.41	29.30	81.94	18.57	29.25	82.39	19.32	28.95	80.09	42.92	49.58	57.81	48.94	35.06
29/11/2024 15:37:05	13.89	29.80	82.18	19.13	29.73	82.60	19.88	29.35	80.30	43.35	49.79	58.20	49.27	35.29
29/11/2024 15:38:04	13.98	30.02	82.40	19.24	29.97	82.73	19.99	29.70	80.43	43.51	49.92	58.46	49.57	35.30
29/11/2024 15:39:04	14.11	30.19	82.47	19.40	30.13	82.81	20.16	29.82	80.51	43.70	50.01	58.60	49.66	35.47
29/11/2024 15:40:04	14.41	30.15	82.60	19.64	30.09	82.98	20.37	29.75	80.68	43.98	50.17	59.03	50.05	35.54
29/11/2024 15:41:04	14.46	30.46	82.80	19.75	30.42	83.10	20.49	30.15	80.79	44.07	50.28	59.05	50.18	35.65
29/11/2024 15:42:04	14.70	30.63	82.86	20.05	30.57	83.15	20.79	30.22	80.85	44.40	50.33	59.39	50.33	35.66
29/11/2024 15:43:03	14.35	30.35	82.74	19.66	30.31	83.00	20.40	30.09	80.68	44.04	50.17	59.02	50.15	35.46
29/11/2024 15:44:02	14.68	30.58	82.92	20.01	30.54	83.13	20.75	30.30	80.81	44.38	50.30	59.30	50.41	35.55
29/11/2024 15:45:02	14.65	30.50	82.79	19.98	30.46	83.02	20.70	30.23	80.71	44.40	50.20	59.28	50.37	35.46
29/11/2024 15:46:01	14.85	30.72	83.12	20.17	30.69	83.31	20.90	30.52	80.99	44.66	50.49	59.57	50.75	35.67
29/11/2024 15:47:01	15.38	31.04	83.35	20.67	31.01	83.53	21.38	30.80	81.21	45.16	50.65	59.96	51.04	35.83
29/11/2024 15:48:00	14.76	30.52	82.99	20.09	30.49	83.16	20.81	30.34	80.82	44.66	50.26	59.46	50.60	35.36
29/11/2024 15:49:00	14.69	30.45	83.07	20.03	30.42	83.25	20.74	30.30	80.91	44.68	50.35	59.50	50.70	35.35
29/11/2024 15:49:59	15.08	30.70	83.42	20.33	30.68	83.55	21.09	30.56	81.20	45.06	50.64	59.81	51.05	35.53
29/11/2024 15:50:59	15.19	30.68	83.31	20.49	30.65	83.42	21.18	30.52	81.08	45.14	50.47	59.86	51.09	35.36
29/11/2024 15:51:58	15.26	30.78	83.68	20.55	30.76	83.80	21.24	30.67	81.44	45.25	50.80	60.01	51.34	35.53
29/11/2024 15:52:58	14.96	30.30	83.24	20.22	30.28	83.38	20.91	30.17	81.02	44.95	50.29	59.69	50.96	35.00
29/11/2024 15:53:58	15.16	30.50	83.56	20.43	30.48	83.68	21.11	30.38	81.31	45.19	50.59	59.96	51.33	35.21
29/11/2024 15:54:58	15.30	30.59	83.70	20.55	30.57	83.79	21.23	30.47	81.42	45.31	50.63	60.08	51.46	35.19
29/11/2024 15:55:57	15.38	30.65	83.95	20.63	30.63	84.04	21.31	30.53	81.66	45.38	50.91	60.16	51.62	35.41

29/11/2024 15:56:57	15.50	30.66	84.01	20.75	30.64	84.10	21.43	30.52	81.71	45.46	50.91	60.21	51.70	35.35
29/11/2024 15:57:57	15.80	30.95	84.45	21.04	30.83	84.52	21.71	30.82	82.12	45.77	51.18	60.54	52.05	35.49
29/11/2024 15:58:57	15.80	30.95	84.47	21.05	30.93	84.47	21.72	30.82	82.06	45.77	51.12	60.54	52.11	35.47
29/11/2024 15:59:57	15.67	30.92	84.64	20.95	30.90	84.56	21.63	30.80	82.13	45.69	51.21	60.52	52.15	35.38
29/11/2024 16:00:56	15.87	31.03	84.72	21.12	31.00	84.66	21.80	30.88	82.23	45.84	50.96	60.64	52.27	35.17
29/11/2024 16:01:55	15.80	31.00	84.90	21.07	30.98	84.72	21.75	30.87	82.26	45.82	50.61	60.64	52.32	34.85
29/11/2024 16:02:55	16.16	31.44	85.60	21.45	31.43	85.26	22.13	31.33	82.76	46.19	50.78	61.03	52.75	34.97
29/11/2024 16:03:54	16.37	31.70	85.87	21.69	31.68	85.53	22.37	31.58	83.03	46.43	50.44	61.29	53.10	34.82
29/11/2024 16:04:54	15.92	31.14	85.31	21.22	31.12	84.95	21.90	31.00	82.44	45.94	50.02	60.79	52.60	34.22
29/11/2024 16:05:53	16.31	31.53	85.92	21.62	31.51	85.43	22.30	31.40	82.89	46.35	50.27	61.21	53.03	34.43
29/11/2024 16:06:54	16.52	31.70	86.58	21.79	31.68	85.85	22.47	31.60	83.24	46.51	50.43	61.37	53.26	34.39
29/11/2024 16:07:53	16.68	31.95	86.82	22.00	31.84	86.11	22.68	31.85	83.51	46.73	50.76	61.62	53.55	34.60
29/11/2024 16:08:52	16.56	31.92	87.07	21.90	31.90	86.29	22.58	31.84	83.67	46.61	50.80	61.51	53.53	34.46
29/11/2024 16:09:52	16.61	31.95	86.96	21.95	31.84	86.11	22.63	31.87	83.47	46.66	50.69	61.51	53.58	34.35
29/11/2024 16:10:52	16.73	32.07	87.12	22.08	32.06	86.23	22.76	31.98	83.59	46.77	50.80	61.65	53.76	34.30
29/11/2024 16:11:52	16.77	32.26	87.31	22.17	32.25	86.39	22.85	32.18	83.74	46.87	50.89	61.80	53.95	34.33
29/11/2024 16:12:51	17.24	32.77	88.05	22.63	32.77	87.11	23.32	32.75	84.45	47.36	51.59	62.32	54.56	34.83
29/11/2024 16:13:50	17.29	32.76	87.97	22.66	32.76	86.98	23.35	32.72	84.31	47.34	51.52	62.24	54.51	34.75
29/11/2024 16:14:51	17.10	32.67	87.88	22.52	32.66	86.90	23.20	32.63	84.24	47.22	51.43	62.21	54.45	34.68
29/11/2024 16:15:50	17.15	32.63	87.82	22.53	32.62	86.81	23.22	32.59	84.14	47.24	51.39	62.23	54.49	34.57
29/11/2024 16:16:50	17.27	32.85	88.10	22.67	32.85	87.11	23.35	32.84	84.44	47.37	51.66	62.40	54.76	34.79
29/11/2024 16:17:51	17.52	33.10	88.46	22.92	33.10	87.47	23.61	33.11	84.80	47.63	52.07	62.65	55.06	35.05
29/11/2024 16:18:50	17.35	33.02	88.29	22.77	33.03	87.31	23.46	33.06	84.65	47.48	52.00	62.51	54.99	35.00
29/11/2024 16:19:49	17.13	32.53	88.02	22.47	32.53	87.12	23.15	32.54	84.46	47.15	51.80	62.19	54.69	34.70
29/11/2024 16:20:49	17.69	33.22	88.84	23.08	33.23	87.93	23.76	33.27	85.27	47.87	52.73	63.07	55.66	35.61
29/11/2024 16:21:49	17.47	33.12	88.54	22.94	33.13	87.56	23.62	33.15	84.89	47.62	52.39	62.78	55.42	35.18
29/11/2024 16:22:48	17.64	33.10	88.61	23.04	33.11	87.67	23.71	33.16	85.01	47.71	52.55	62.84	55.50	35.29
29/11/2024 16:23:48	17.98	33.65	89.09	23.47	33.66	88.13	24.15	33.72	85.47	48.16	53.05	63.31	55.96	35.74
29/11/2024 16:24:47	18.09	33.56	89.11	23.56	33.56	88.19	24.23	33.58	86.53	48.19	53.13	63.30	55.99	35.76
29/11/2024 16:25:48	17.74	33.07	88.76	23.23	33.06	87.90	23.89	33.00	85.23	47.88	52.85	63.00	55.57	35.48
29/11/2024 16:26:47	17.89	33.59	88.99	23.51	33.60	88.07	24.18	33.67	85.41	48.13	53.06	63.28	55.99	35.70
29/11/2024 16:27:47	17.83	33.43	88.83	23.54	33.42	87.97	24.21	33.39	85.31	48.13	52.94	63.25	55.78	35.59
29/11/2024 16:28:46	18.11	33.95	89.17	23.87	33.97	88.23	24.54	34.10	85.58	48.45	53.21	63.61	56.25	35.84
29/11/2024 16:29:46	17.98	33.97	89.16	23.95	33.98	88.21	24.62	34.07	85.55	48.53	53.20	63.67	56.28	35.79
29/11/2024 16:30:46	17.95	34.31	89.25	24.09	34.35	88.19	24.76	34.58	85.53	48.56	53.17	63.66	56.34	35.77
29/11/2024 16:31:45	18.04	34.28	89.23	24.17	34.30	88.21	24.84	34.43	85.56	48.62	53.19	63.76	56.37	35.78
29/11/2024 16:32:44	18.19	34.82	89.54	24.38	34.88	88.40	25.05	35.26	85.74	48.81	53.33	63.96	56.59	35.89
29/11/2024 16:33:43	18.46	35.21	89.69	24.69	35.28	88.49	25.37	35.64	85.83	49.09	53.44	64.27	56.83	35.98
29/11/2024 16:34:44	18.62	35.52	89.77	24.94	35.59	88.47	25.62	35.98	85.81	49.24	53.44	64.36	56.93	36.03
29/11/2024 16:35:43	18.67	35.77	89.82	25.01	35.84	88.48	25.70	36.24	85.83	49.29	53.41	64.42	56.98	35.94
29/11/2024 16:36:42	18.93	36.23	90.02	25.37	36.31	88.61	26.07	36.75	85.95	49.58	53.58	64.69	57.24	36.10
29/11/2024 16:37:42	18.98	36.34	90.07	25.44	36.42	88.82	26.14	36.89	85.96	49.69	53.55	64.79	57.28	36.05
29/11/2024 16:38:42	19.26	36.72	90.27	25.79	36.78	88.82	26.50	37.11	86.16	49.88	53.75	65.14	57.63	36.26
29/11/2024 16:39:42	19.41	36.81	90.27	25.95	36.86	88.81	26.66	37.14	86.15	50.07	53.73	65.17	57.62	36.26

29/11/2024 16:40:41	19.62	37.11	90.35	28.23	37.14	88.88	26.95	37.35	86.22	50.30	53.77	65.32	57.73	36.27
29/11/2024 16:41:40	19.96	37.53	90.80	26.56	37.58	89.28	27.28	37.82	86.62	50.62	54.15	65.75	58.21	36.59
29/11/2024 16:42:41	19.86	37.37	90.61	28.48	37.42	89.10	27.20	37.65	86.43	50.67	53.93	65.70	57.98	36.37
29/11/2024 16:43:40	19.86	37.27	90.52	26.51	37.30	89.03	27.22	37.45	86.37	50.63	53.86	65.68	57.96	36.31
29/11/2024 16:44:39	20.09	37.88	90.86	26.86	37.91	89.29	27.59	38.07	86.62	51.00	54.12	65.94	58.29	36.64
29/11/2024 16:45:40	20.39	37.94	90.94	27.09	37.97	89.35	27.80	38.14	86.68	51.31	54.14	66.45	58.57	36.56
29/11/2024 16:46:39	20.40	38.15	91.16	27.16	38.18	89.55	27.89	38.33	86.88	51.53	54.33	66.71	58.92	36.72
29/11/2024 16:47:38	21.17	38.97	91.90	27.95	38.99	90.26	28.68	39.09	87.59	52.39	55.02	67.52	59.66	37.38
29/11/2024 16:48:38	20.87	38.54	91.48	27.58	38.57	89.85	28.30	38.76	87.18	52.04	54.61	67.10	59.26	37.00
29/11/2024 16:49:38	20.73	38.25	91.40	27.38	38.30	89.78	28.09	38.56	87.10	51.90	54.40	66.95	59.09	36.66
29/11/2024 16:50:38	20.92	38.40	91.45	27.59	38.44	89.80	28.30	38.61	87.12	52.12	54.47	67.11	59.19	36.79
29/11/2024 16:51:38	20.77	38.10	91.16	27.41	38.13	89.50	28.11	38.29	86.82	51.95	54.17	66.92	59.01	36.41
29/11/2024 16:52:38	21.00	38.22	91.17	27.62	38.24	89.52	28.33	38.38	86.84	52.25	54.12	67.14	59.03	38.38
29/11/2024 16:53:39	21.45	38.68	91.85	28.08	38.71	90.14	28.78	38.86	87.44	52.76	54.55	67.71	59.66	36.61
29/11/2024 16:54:38	21.44	38.64	91.69	28.07	38.66	89.97	28.77	38.79	87.28	52.73	54.38	67.66	59.56	36.41
29/11/2024 16:55:38	21.65	38.77	92.02	28.25	38.80	90.26	28.95	38.97	87.55	53.00	54.57	67.96	59.88	36.49
29/11/2024 16:56:39	21.53	38.67	91.53	28.15	38.69	89.64	28.85	38.84	86.92	52.88	54.05	67.83	59.67	36.04
29/11/2024 16:57:38	21.72	38.68	92.16	28.30	38.71	90.31	28.98	38.85	87.57	53.03	54.46	67.93	59.82	36.24
29/11/2024 16:58:37	21.84	38.76	91.62	28.41	38.78	89.92	29.09	38.90	87.23	53.17	54.43	68.12	59.90	36.61
29/11/2024 16:59:37	21.92	38.83	92.15	28.46	38.86	90.23	29.14	39.06	87.48	53.23	54.36	68.14	59.88	36.10
29/11/2024 17:00:36	22.10	38.96	90.05	28.66	38.98	88.16	29.34	39.12	85.52	53.44	53.43	68.43	60.19	36.20
29/11/2024 17:01:36	22.36	39.17	88.55	28.88	39.21	86.59	29.55	39.42	84.01	53.70	52.66	68.66	60.30	36.08
29/11/2024 17:02:36	22.25	39.03	89.54	28.77	39.06	87.60	29.44	39.24	84.97	53.55	53.07	68.57	60.67	35.88
29/11/2024 17:03:35	22.29	38.97	88.90	28.76	39.01	86.99	29.43	39.26	84.40	53.58	52.74	68.56	60.00	35.64
29/11/2024 17:04:35	22.56	39.19	89.37	29.01	39.23	87.28	29.68	39.46	84.64	53.81	52.95	68.78	60.25	35.97
29/11/2024 17:05:34	22.54	39.14	89.41	29.00	39.18	87.31	29.66	39.42	84.67	53.83	52.84	68.82	59.55	35.67
29/11/2024 17:06:34	22.73	39.29	89.52	29.17	39.33	87.35	29.84	39.55	84.70	53.95	52.87	68.93	59.78	35.72
29/11/2024 17:07:34	22.64	39.11	89.57	29.05	39.15	87.41	29.71	39.39	84.75	53.86	52.89	68.82	60.07	35.70
29/11/2024 17:08:33	22.74	39.14	89.90	29.13	39.19	87.72	29.78	39.45	85.05	53.90	53.00	68.78	59.11	35.59
29/11/2024 17:09:33	22.51	38.82	90.07	28.89	38.86	87.95	29.54	39.07	85.26	53.69	52.98	68.68	59.20	35.35
29/11/2024 17:10:33	22.69	38.93	90.44	29.07	38.96	88.36	29.72	39.13	85.66	53.85	53.28	68.80	59.34	35.54
29/11/2024 17:11:34	22.89	39.11	90.65	29.26	39.15	88.57	29.91	39.34	85.88	54.04	53.44	69.02	59.22	35.74
29/11/2024 17:12:33	23.04	39.22	90.87	29.40	39.25	88.79	30.05	39.40	86.09	54.16	53.56	69.09	59.06	35.77
29/11/2024 17:13:32	23.02	39.10	90.95	29.37	39.13	88.89	30.02	39.27	86.18	54.13	53.55	69.03	58.79	35.72
29/11/2024 17:14:32	23.03	39.12	91.10	29.40	39.14	89.07	30.05	39.23	86.35	54.14	53.65	69.05	59.09	35.75
29/11/2024 17:15:31	23.06	39.09	91.03	29.42	39.10	88.99	30.06	39.19	86.28	54.16	53.54	69.09	58.82	35.66
29/11/2024 17:16:30	23.37	39.41	91.54	29.74	39.42	89.53	30.39	39.49	86.81	54.44	54.00	69.42	59.28	36.10
29/11/2024 17:17:31	23.11	39.09	91.21	29.48	39.10	89.20	30.12	39.16	86.48	54.20	53.64	69.14	59.37	35.66
29/11/2024 17:18:31	23.19	39.11	91.48	29.55	39.12	89.50	30.19	39.15	86.78	54.28	53.80	69.21	58.90	35.76
29/11/2024 17:19:30	23.12	38.95	91.43	29.46	38.94	89.47	30.10	38.93	86.75	54.17	53.76	69.10	59.38	35.72
29/11/2024 17:20:30	23.79	39.64	92.26	30.14	39.64	90.31	30.77	39.65	87.59	54.83	54.48	69.74	59.74	36.32
29/11/2024 17:21:29	23.41	39.26	91.97	29.76	39.26	90.07	30.40	39.26	87.34	54.47	54.14	69.39	59.23	35.98
29/11/2024 17:22:28	23.48	39.34	92.11	29.88	39.33	90.20	30.50	39.30	87.47	54.52	54.21	69.41	59.32	35.98
29/11/2024 17:23:27	23.57	39.34	92.32	29.94	39.32	90.47	30.58	39.25	87.74	54.62	54.43	69.55	59.38	36.23

29/11/2024 17:24:27	23.00	38.72	91.70	29.37	38.70	89.87	30.01	38.58	87.14	54.03	53.77	68.97	58.58	35.55
29/11/2024 17:25:27	23.44	39.10	92.18	29.82	39.07	90.38	30.46	38.90	87.65	54.47	54.28	69.46	59.24	36.05
29/11/2024 17:26:27	23.63	39.12	92.40	29.99	39.08	90.66	30.62	38.83	87.93	54.64	54.51	69.54	59.35	36.24
29/11/2024 17:27:27	23.41	38.87	92.11	29.77	38.82	90.35	30.40	38.57	87.62	54.42	54.20	69.36	59.32	35.95
29/11/2024 17:28:26	23.44	38.93	92.14	29.80	38.89	90.40	30.43	38.66	87.68	54.44	54.23	69.40	58.87	36.03
29/11/2024 17:29:25	23.53	39.02	92.17	29.91	38.97	90.43	30.54	38.74	87.71	54.53	54.29	69.49	59.02	36.09
29/11/2024 17:30:26	24.29	39.74	92.89	30.65	39.70	91.17	31.28	39.46	88.45	55.27	54.99	70.22	59.59	36.81
29/11/2024 17:31:25	24.47	39.86	93.12	30.86	39.80	91.43	31.49	39.48	88.70	55.51	55.26	70.52	59.88	37.07
29/11/2024 17:32:24	23.44	38.89	92.18	29.81	38.84	90.48	30.44	38.59	87.76	54.46	54.31	69.42	58.93	36.12
29/11/2024 17:33:24	23.97	39.44	92.58	30.36	39.39	90.87	31.00	39.15	88.15	54.98	54.70	69.96	59.18	36.55
29/11/2024 17:34:24	23.78	39.24	92.39	30.18	39.19	90.68	30.82	38.92	87.96	54.78	54.46	69.74	58.86	36.29
29/11/2024 17:35:24	23.77	39.20	92.43	30.19	39.14	90.73	30.82	38.84	88.01	54.78	54.51	69.80	58.86	36.30
29/11/2024 17:36:24	24.08	39.45	92.73	30.49	39.39	91.06	31.12	39.06	88.33	55.07	54.82	70.07	59.09	36.64
29/11/2024 17:37:23	23.99	39.36	92.70	30.42	39.30	91.04	31.05	38.95	88.32	55.00	54.80	70.00	59.10	36.60
29/11/2024 17:38:22	24.04	39.43	92.63	30.47	39.37	90.96	31.10	39.04	88.24	55.04	54.73	70.07	58.96	36.58
29/11/2024 17:39:21	24.26	39.64	92.82	30.71	39.58	91.15	31.34	39.23	88.43	55.26	54.92	70.17	59.40	36.73
29/11/2024 17:40:21	24.18	39.50	92.82	30.62	39.43	91.17	31.25	39.05	88.44	55.15	54.92	70.16	58.94	36.73
29/11/2024 17:41:20	24.14	39.59	92.83	30.64	39.52	91.17	31.28	39.15	88.44	55.16	54.88	70.18	58.68	36.68
29/11/2024 17:42:20	24.15	39.50	92.82	30.62	39.43	91.16	31.25	39.05	88.43	55.14	54.87	70.15	58.62	36.67
29/11/2024 17:43:19	24.25	39.65	92.93	30.77	39.58	91.26	31.40	39.20	88.53	55.29	54.96	70.31	58.65	36.72
29/11/2024 17:44:20	24.04	39.47	92.74	30.55	39.41	91.08	31.18	39.04	88.35	55.06	54.76	70.08	58.29	36.55
29/11/2024 17:45:19	24.16	39.67	92.90	30.74	39.60	91.22	31.37	39.23	88.50	55.23	54.92	70.27	58.36	36.70
29/11/2024 17:46:18	24.36	39.88	93.12	30.94	39.81	91.44	31.57	39.45	88.71	55.44	55.12	70.57	58.34	36.94
29/11/2024 17:47:18	24.77	40.27	93.40	31.37	40.21	91.71	32.00	39.83	88.99	55.85	55.40	70.94	58.83	37.22
29/11/2024 17:48:18	24.82	40.40	93.54	31.43	40.34	91.86	32.06	40.00	89.14	55.93	55.54	71.08	58.92	37.39
29/11/2024 17:49:18	24.19	39.74	92.98	30.83	39.67	91.30	31.47	39.28	88.57	55.33	54.95	70.43	57.96	36.72
29/11/2024 17:50:18	24.40	40.02	93.13	31.04	39.96	91.43	31.68	39.61	88.71	55.51	55.08	70.68	58.22	36.89
29/11/2024 17:51:18	24.33	40.00	93.11	31.03	39.94	91.42	31.66	39.58	88.70	55.48	55.05	70.64	58.09	36.88
29/11/2024 17:52:17	24.46	40.01	93.19	31.16	39.94	91.52	31.79	39.55	88.80	55.57	55.14	70.67	58.15	36.92
29/11/2024 17:53:16	24.53	40.23	93.17	31.27	40.17	91.46	31.90	39.83	88.75	55.68	55.09	70.81	58.26	36.91
29/11/2024 17:54:16	24.20	39.89	92.79	30.91	39.82	91.09	31.54	39.48	88.38	55.29	54.68	70.44	58.19	36.46
29/11/2024 17:55:15	24.16	39.82	92.92	30.92	39.76	91.24	31.55	39.38	88.52	55.34	54.80	70.54	57.76	36.63
29/11/2024 17:56:16	24.58	40.23	93.30	31.33	40.17	91.63	31.96	39.79	88.92	55.71	55.24	70.89	58.33	37.11
29/11/2024 17:57:18	24.38	40.07	93.20	31.17	40.00	91.53	31.80	39.62	88.81	55.56	55.07	70.77	57.98	36.89
29/11/2024 17:58:15	24.45	40.19	93.14	31.26	40.13	91.45	31.89	39.76	88.73	55.61	55.03	70.87	58.21	36.92
29/11/2024 17:59:15	24.56	40.29	93.28	31.39	40.23	91.60	32.02	39.85	88.88	55.72	55.13	70.96	58.28	36.96

ZONA 8: 22/04/2024									
Time	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8	Point 9
X (m)	763611.54	763609.04	763610.29	763611.54	763610.29	763611.54	763612.79	763610.29	763612.79
Y (m)	9252370.93	9252372.18	9252372.18	9252372.18	9252373.43	9252373.43	9252374.68	9252375.93	9252375.93
Z (m)	3634.66	3691.15	3692.69	3694.28	3692.39	3694.05	3695.78	3692.21	3695.94
21/04/2024 17:00:13	156.96	37.66	100.15	198.09	31.81	44.00	84.25	34.45	78.33
21/04/2024 17:00:46	157.23	37.87	100.41	196.43	31.65	44.86	84.44	34.41	78.36
21/04/2024 17:01:20	156.22	38.01	100.28	194.74	31.80	44.77	84.12	34.42	77.90
21/04/2024 17:01:53	155.89	37.83	99.83	194.52	31.68	44.58	84.06	31.38	78.03
21/04/2024 17:02:27	156.27	37.79	100.17	194.78	31.68	43.23	83.98	34.18	77.93
21/04/2024 17:03:00	156.20	38.21	100.24	194.57	31.66	42.95	83.94	34.10	77.82
21/04/2024 17:03:33	156.16	38.07	100.19	194.59	31.67	43.50	83.69	34.20	76.98
21/04/2024 17:04:07	156.61	38.51	100.45	195.31	31.62	45.08	83.82	34.41	77.35
21/04/2024 17:04:40	157.39	38.75	101.27	195.89	31.69	44.04	83.83	34.31	77.21
21/04/2024 17:05:14	157.29	38.97	101.15	195.77	31.70	43.69	83.70	34.25	77.27
21/04/2024 17:05:47	157.29	39.24	101.19	195.74	31.85	43.49	83.76	34.15	77.46
21/04/2024 17:06:21	157.00	39.20	100.34	195.90	31.61	42.97	83.45	34.05	76.60
21/04/2024 17:06:54	156.78	39.31	100.40	195.53	31.75	43.71	83.80	34.29	77.50
21/04/2024 17:07:27	156.59	39.87	100.55	195.01	31.62	43.13	83.66	34.06	77.42
21/04/2024 17:08:01	157.02	40.40	101.04	195.39	31.77	43.63	83.74	34.27	77.52
21/04/2024 17:08:34	156.95	40.20	100.91	195.35	31.84	43.36	83.77	34.29	77.63
21/04/2024 17:09:08	157.39	41.67	101.37	195.77	31.84	43.75	83.66	34.32	77.68
21/04/2024 17:09:41	157.04	41.61	100.95	195.49	31.88	43.44	83.68	34.31	77.47
21/04/2024 17:10:15	157.34	42.57	101.27	195.74	31.97	43.48	83.76	34.41	77.53
21/04/2024 17:10:48	157.32	43.96	101.20	195.77	31.34	43.43	83.83	33.81	77.75
21/04/2024 17:11:21	156.82	43.45	100.94	195.08	31.41	43.12	83.94	33.86	77.84
21/04/2024 17:11:55	156.64	43.48	100.87	194.80	31.38	42.90	84.04	33.85	77.86
21/04/2024 17:12:28	156.61	43.78	100.71	194.87	31.36	42.69	83.61	33.78	77.17
21/04/2024 17:13:02	157.09	43.44	101.13	195.41	31.35	43.28	83.95	33.85	77.56
21/04/2024 17:13:35	156.89	43.39	101.07	195.06	31.44	42.79	83.74	33.87	77.42
21/04/2024 17:14:09	157.34	43.67	101.50	195.53	31.64	43.47	84.13	34.17	77.97
21/04/2024 17:14:42	157.46	44.01	101.78	195.50	31.78	43.44	84.19	34.33	78.02
21/04/2024 17:15:15	157.41	43.74	101.73	195.44	31.44	43.24	83.91	33.94	77.52
21/04/2024 17:15:49	157.58	43.34	101.84	195.68	31.36	43.54	83.93	33.79	77.58
21/04/2024 17:16:22	157.75	43.43	101.66	196.13	31.39	43.52	84.33	33.81	78.33
21/04/2024 17:16:56	157.45	43.65	101.49	195.69	31.27	42.97	83.80	33.75	77.46
21/04/2024 17:17:29	157.07	43.66	101.02	195.42	31.19	42.69	84.28	33.64	78.64
21/04/2024 17:18:02	157.12	43.65	100.89	195.64	31.21	43.05	83.81	33.68	77.52
21/04/2024 17:18:36	157.10	43.50	101.15	195.34	31.42	42.71	83.88	33.75	77.60
21/04/2024 17:19:09	157.09	43.19	101.08	195.41	31.34	42.79	83.79	33.66	77.47
21/04/2024 17:19:43	157.15	42.94	101.18	195.43	31.42	42.83	83.94	33.77	77.66
21/04/2024 17:20:16	157.08	42.95	101.19	195.27	31.44	42.68	83.89	33.85	77.58
21/04/2024 17:20:50	156.98	42.68	101.18	195.08	31.29	42.45	83.71	33.75	77.43

21/04/2024 17:21:23	157.03	42.69	101.32	195.06	31.25	42.65	83.58	33.75	77.36
21/04/2024 17:21:56	157.19	42.55	101.46	195.26	31.52	42.78	83.77	33.97	77.57
21/04/2024 17:22:30	157.41	42.70	101.70	195.46	31.72	43.11	84.02	34.19	77.78
21/04/2024 17:23:03	157.34	42.66	101.65	195.37	31.95	43.05	84.06	34.31	77.81
21/04/2024 17:23:37	157.45	42.58	101.79	195.45	32.03	43.15	84.09	34.29	77.86
21/04/2024 17:24:10	157.58	41.85	101.94	195.52	31.25	42.84	84.00	33.86	77.74
21/04/2024 17:24:44	157.31	42.29	101.62	195.24	30.95	41.82	83.85	33.36	77.50
21/04/2024 17:25:17	157.82	42.42	102.11	195.87	30.91	43.53	83.97	33.62	77.67
21/04/2024 17:25:51	157.84	42.81	102.15	195.93	30.81	44.23	84.08	33.62	77.71
21/04/2024 17:26:24	158.03	42.74	102.25	196.15	31.06	43.86	83.99	33.75	77.51
21/04/2024 17:26:57	158.55	42.88	102.96	196.52	30.70	44.55	83.88	33.56	77.35
21/04/2024 17:27:31	158.46	42.94	102.74	196.55	30.93	44.65	83.92	33.72	77.28
21/04/2024 17:28:04	158.27	42.59	102.55	196.37	30.52	44.46	84.02	33.36	77.52
21/04/2024 17:28:38	157.82	42.61	101.93	195.93	30.88	42.55	83.21	33.33	76.77
21/04/2024 17:29:11	157.04	42.93	101.28	194.98	30.79	41.19	83.96	33.00	77.37
21/04/2024 17:29:44	157.32	42.48	101.50	195.42	30.88	42.51	84.06	33.36	77.38
21/04/2024 17:30:18	157.71	43.28	101.94	195.83	30.84	43.63	83.86	33.50	77.24
21/04/2024 17:30:51	158.16	43.12	102.40	196.03	30.68	41.57	83.86	32.99	77.36
21/04/2024 17:31:25	158.45	43.28	102.88	196.30	30.86	43.47	83.99	33.51	77.38
21/04/2024 17:31:58	158.82	43.32	103.42	196.52	30.55	43.84	83.88	33.32	77.43
21/04/2024 17:32:32	158.77	43.50	103.52	196.32	30.41	43.43	83.78	33.18	77.22
21/04/2024 17:33:05	159.09	44.42	103.93	196.66	30.36	44.83	83.94	33.39	77.41
21/04/2024 17:33:38	159.49	43.82	104.36	197.01	30.66	45.04	84.05	33.65	77.50
21/04/2024 17:34:12	159.55	44.45	104.45	197.06	30.65	45.28	84.04	33.72	77.62
21/04/2024 17:34:45	160.03	44.44	105.28	197.22	30.36	45.63	83.91	33.50	77.47
21/04/2024 17:35:19	160.88	44.78	106.89	197.48	30.49	47.17	84.04	33.90	77.67
21/04/2024 17:35:52	161.70	45.00	108.53	197.47	30.53	46.86	84.00	33.88	77.54
21/04/2024 17:36:26	162.03	45.14	109.03	197.71	30.50	47.91	83.80	34.06	77.42
21/04/2024 17:36:59	161.78	44.78	108.70	197.63	30.46	48.57	83.61	34.17	77.20
21/04/2024 17:37:32	161.34	44.64	108.72	196.80	30.50	48.36	83.67	34.16	77.27
21/04/2024 17:38:06	160.95	45.01	108.74	196.08	30.54	48.31	83.93	34.21	77.42
21/04/2024 17:38:39	160.56	44.88	108.67	195.54	30.70	49.31	84.13	34.54	77.55
21/04/2024 17:39:13	160.78	44.97	108.87	195.85	30.82	50.34	83.65	34.84	77.29
21/04/2024 17:39:46	160.96	44.85	108.65	196.38	30.87	50.34	84.89	34.88	79.46
21/04/2024 17:40:20	161.18	44.94	108.93	196.57	30.94	50.94	84.02	35.08	77.65
21/04/2024 17:40:53	161.16	44.78	108.73	196.57	30.75	49.58	83.98	34.63	77.61
21/04/2024 17:41:26	161.05	44.80	108.57	196.55	30.70	49.74	83.83	34.62	77.47
21/04/2024 17:42:00	161.09	44.59	108.59	196.52	30.57	48.97	83.86	34.37	77.53
21/04/2024 17:42:33	160.87	44.42	108.07	196.56	30.54	48.68	83.81	34.28	77.46
21/04/2024 17:43:07	160.28	44.24	108.03	195.56	30.49	48.85	83.62	34.29	77.30
21/04/2024 17:43:40	160.69	44.60	108.67	195.78	30.80	49.41	83.85	34.67	77.52
21/04/2024 17:44:14	160.75	43.97	108.41	196.11	30.67	49.32	83.86	34.56	77.54
21/04/2024 17:44:47	160.72	43.93	108.28	196.31	30.76	50.59	83.80	34.88	77.46

21/04/2024 17:45:21	160.97	44.06	108.25	196.72	30.88	50.26	84.20	34.93	77.81
21/04/2024 17:45:54	161.34	44.43	108.50	197.13	30.87	49.82	84.13	34.79	77.65
21/04/2024 17:46:27	161.14	43.79	108.06	197.17	30.73	50.00	84.06	34.71	77.56
21/04/2024 17:47:01	161.20	44.05	107.91	197.66	30.78	52.56	84.12	35.21	77.55
21/04/2024 17:47:34	161.09	43.65	107.59	197.92	30.63	54.53	84.08	35.46	77.56
21/04/2024 17:48:08	161.84	43.65	108.48	198.49	30.68	54.58	84.21	35.49	77.61
21/04/2024 17:48:41	161.35	43.68	107.55	198.45	30.76	54.73	84.17	35.57	77.62
21/04/2024 17:49:15	161.32	44.07	107.46	198.43	30.84	54.29	84.28	35.56	77.49
21/04/2024 17:49:48	161.97	44.20	108.22	198.95	30.81	54.66	84.46	35.60	77.99
21/04/2024 17:50:22	162.56	43.52	109.04	199.22	30.74	54.15	84.00	35.43	77.57
21/04/2024 17:50:55	162.81	43.50	109.11	199.65	30.78	54.42	85.05	35.51	77.32
21/04/2024 17:51:28	162.45	43.94	108.86	199.29	30.92	55.19	84.22	35.80	77.58
21/04/2024 17:52:02	164.56	43.73	112.00	200.25	30.67	54.59	84.27	35.43	77.66
21/04/2024 17:52:35	165.00	43.86	112.76	200.37	30.69	54.73	84.12	35.49	77.49
21/04/2024 17:53:09	165.16	43.85	113.54	199.98	30.75	54.59	84.01	35.52	77.52
21/04/2024 17:53:42	165.04	43.72	113.25	199.89	30.58	53.40	84.06	35.13	77.39
21/04/2024 17:54:16	165.21	43.75	113.55	199.94	30.70	53.45	84.18	35.25	77.58
21/04/2024 17:54:49	164.82	43.98	113.70	198.80	30.81	53.80	84.09	35.39	77.43
21/04/2024 17:55:22	164.48	44.00	113.50	198.69	30.78	53.63	84.14	35.36	77.52
21/04/2024 17:55:56	164.33	44.22	113.55	198.42	30.97	54.04	84.31	35.58	77.62
21/04/2024 17:56:29	164.18	44.09	113.15	198.48	30.92	53.84	84.17	35.50	77.58
21/04/2024 17:57:03	163.91	44.18	113.26	198.03	30.99	55.10	84.11	35.60	77.50
21/04/2024 17:57:36	164.27	44.28	113.65	198.25	31.01	54.25	84.17	35.67	77.65
21/04/2024 17:58:09	164.39	44.18	113.64	198.48	30.94	54.15	84.04	35.58	77.53
21/04/2024 17:58:43	164.66	43.99	113.75	198.84	31.06	54.13	84.27	35.71	77.74
21/04/2024 17:59:16	164.95	44.10	114.02	199.07	31.00	53.57	84.11	35.53	77.55
21/04/2024 17:59:50	164.96	44.07	113.97	199.15	31.00	53.78	84.15	35.59	77.31
21/04/2024 18:00:23	165.03	44.04	113.79	199.39	30.88	53.20	83.87	35.36	77.28
21/04/2024 18:00:57	165.18	44.17	113.75	199.73	30.99	54.06	83.88	35.61	77.54
21/04/2024 18:01:30	166.10	44.32	115.17	200.04	30.89	52.77	84.24	35.26	77.68
21/04/2024 18:02:03	164.84	43.94	113.31	199.75	30.93	54.37	83.98	35.65	77.50
21/04/2024 18:02:37	164.80	44.05	112.69	199.96	30.95	53.49	84.10	35.48	77.58
21/04/2024 18:03:10	164.56	43.91	112.43	199.81	31.00	53.98	84.12	35.82	77.64
21/04/2024 18:03:44	164.58	44.03	112.51	199.83	31.09	54.42	84.06	35.78	77.61
21/04/2024 18:04:17	164.58	43.93	112.15	200.09	31.05	53.97	84.11	35.66	77.69
21/04/2024 18:04:51	164.68	44.08	112.05	200.25	31.10	53.11	84.23	35.52	77.78
21/04/2024 18:05:24	164.75	43.99	112.31	200.26	31.10	54.04	84.12	35.71	77.74
21/04/2024 18:05:58	164.71	44.01	112.06	200.35	31.08	53.48	84.14	35.59	77.74
21/04/2024 18:06:31	164.54	43.98	111.63	200.47	31.05	53.85	84.19	35.64	77.82
21/04/2024 18:07:04	164.68	44.19	111.99	200.42	31.12	54.11	84.12	35.74	77.76
21/04/2024 18:07:38	164.56	44.05	111.50	200.58	31.09	53.44	84.26	35.60	77.91
21/04/2024 18:08:11	164.85	44.36	112.59	200.14	31.19	53.50	84.22	35.69	77.85
21/04/2024 18:08:45	164.70	44.34	112.43	200.08	31.17	54.17	84.25	35.79	77.96

21/04/2024 18:09:18	164.56	44.24	111.91	200.21	31.05	53.39	84.20	35.54	77.88
21/04/2024 18:09:51	164.64	44.19	112.17	200.15	31.06	53.74	84.23	35.63	77.89
21/04/2024 18:10:25	164.65	44.34	111.97	200.28	31.13	52.99	84.55	35.55	78.26
21/04/2024 18:10:58	164.46	44.15	112.02	200.01	31.09	54.18	84.17	35.75	77.70
21/04/2024 18:11:32	164.31	44.13	111.53	200.13	30.98	53.64	84.35	35.56	78.15
21/04/2024 18:12:05	164.31	44.02	111.90	199.83	30.99	53.99	84.29	35.65	77.97
21/04/2024 18:12:39	164.20	44.01	111.46	200.12	31.01	55.04	84.16	35.88	77.86
21/04/2024 18:13:12	164.76	44.14	112.00	200.51	31.04	53.62	84.40	35.62	78.06
21/04/2024 18:13:45	164.56	43.96	111.67	200.46	30.99	53.71	84.22	35.60	77.87
21/04/2024 18:14:19	164.73	44.05	111.90	200.54	30.98	53.61	84.36	35.57	77.99
21/04/2024 18:14:52	164.46	43.79	110.98	200.84	30.90	53.35	84.32	35.44	77.91
21/04/2024 18:15:26	164.78	44.03	111.79	200.73	31.03	53.61	84.42	35.61	78.01
21/04/2024 18:15:59	164.83	44.17	112.02	200.83	30.98	53.62	84.21	35.57	77.81
21/04/2024 18:16:32	164.88	44.20	111.77	200.92	31.03	53.46	84.44	35.56	78.00
21/04/2024 18:17:06	164.92	44.38	111.68	201.06	30.98	53.55	84.25	35.53	77.82
21/04/2024 18:17:39	164.91	44.19	111.52	201.20	30.99	53.65	84.27	35.55	77.90
21/04/2024 18:18:13	164.96	44.37	111.71	201.11	31.07	53.56	84.23	35.59	77.86
21/04/2024 18:18:46	164.80	44.01	111.18	201.31	30.95	53.58	84.16	35.52	77.85
21/04/2024 18:19:20	165.10	44.21	111.42	201.63	31.08	53.63	84.35	35.61	77.98
21/04/2024 18:19:53	165.14	44.17	111.50	201.64	31.04	53.72	84.42	35.61	78.07
21/04/2024 18:20:27	164.80	44.50	112.04	200.56	31.11	53.63	84.32	35.65	77.96
21/04/2024 18:21:00	164.78	44.45	112.05	200.52	31.13	53.82	84.39	35.71	78.06
21/04/2024 18:21:34	164.65	44.14	111.72	200.56	31.03	53.72	84.37	35.59	77.78
21/04/2024 18:22:07	164.63	44.11	111.65	200.63	31.08	54.04	84.46	35.72	78.24
21/04/2024 18:22:41	164.45	44.25	111.71	200.25	31.09	53.99	84.39	35.70	78.14
21/04/2024 18:23:14	163.98	44.13	111.78	199.35	31.04	54.07	84.28	35.70	77.98
21/04/2024 18:23:47	164.04	44.40	112.22	199.01	31.16	53.43	84.39	35.68	78.05
21/04/2024 18:24:21	164.54	44.30	111.69	200.41	30.97	53.78	84.24	35.56	77.95
21/04/2024 18:24:54	164.16	44.19	111.76	199.68	31.01	53.99	84.22	35.64	77.89
21/04/2024 18:25:28	164.44	44.20	111.96	200.02	31.05	54.09	84.34	35.70	78.00
21/04/2024 18:26:01	164.78	44.39	112.09	200.52	31.12	53.99	84.35	35.74	77.97
21/04/2024 18:26:34	164.41	44.34	112.21	199.79	31.15	54.39	84.30	35.84	77.98
21/04/2024 18:27:08	164.85	44.31	112.51	199.98	31.15	54.70	84.28	35.91	77.94
21/04/2024 18:27:41	164.82	44.18	111.99	200.67	31.05	54.18	84.31	35.73	77.98
21/04/2024 18:28:15	164.84	44.09	111.64	200.66	31.00	54.10	84.30	35.67	77.92
21/04/2024 18:28:48	164.52	44.23	111.85	200.28	31.08	54.40	84.28	35.80	77.91
21/04/2024 18:29:22	164.93	44.30	111.70	201.11	31.04	53.88	84.33	35.64	77.91
21/04/2024 18:29:55	164.55	44.38	111.93	200.26	31.16	54.27	84.40	35.83	78.04
21/04/2024 18:30:28	164.48	44.43	111.65	200.23	31.18	54.59	84.36	35.90	77.99
21/04/2024 18:31:02	164.56	44.50	112.08	200.18	31.23	54.68	84.39	35.97	78.05
21/04/2024 18:31:35	164.55	44.62	112.22	200.05	31.23	54.69	84.34	35.96	77.98
21/04/2024 18:32:09	164.56	44.54	112.42	199.88	31.19	54.56	84.32	35.91	77.98
21/04/2024 18:32:42	164.57	44.58	112.47	199.84	31.16	54.47	83.54	35.86	77.27

21/04/2024 18:33:15	164.92	44.49	112.45	200.44	31.16	54.15	84.21	35.79	77.72
21/04/2024 18:33:49	164.95	44.36	112.47	200.48	31.08	54.09	84.17	35.73	77.68
21/04/2024 18:34:22	164.88	44.30	112.07	200.72	31.14	54.04	84.38	35.76	77.98
21/04/2024 18:34:56	165.08	44.29	111.90	201.21	31.19	54.06	84.45	35.80	78.04
21/04/2024 18:35:29	164.72	44.27	111.97	200.54	31.29	54.38	84.51	35.97	78.13
21/04/2024 18:36:03	164.71	44.49	112.11	200.39	31.31	54.37	84.48	35.96	78.09
21/04/2024 18:36:36	164.74	44.53	112.39	200.22	31.35	54.49	84.54	36.02	78.16
21/04/2024 18:37:10	164.81	44.39	112.19	200.50	31.32	54.40	84.57	35.96	78.16
21/04/2024 18:37:43	164.91	44.42	112.01	200.84	31.31	54.35	84.56	35.95	78.15
21/04/2024 18:38:17	164.57	44.36	112.00	200.25	31.22	54.47	84.46	35.92	78.05
21/04/2024 18:38:50	164.30	44.32	112.09	199.72	31.21	54.64	84.38	35.94	78.03
21/04/2024 18:39:23	164.30	44.52	112.42	199.45	31.24	54.85	84.31	35.99	77.94
21/04/2024 18:39:57	164.56	44.63	112.68	199.66	31.29	54.67	84.49	36.00	78.13
21/04/2024 18:40:30	164.76	44.64	112.73	199.93	31.26	54.25	84.50	35.89	78.08
21/04/2024 18:41:04	164.83	44.66	112.66	200.13	31.24	54.31	84.63	35.90	78.18
21/04/2024 18:41:37	164.81	44.44	112.70	200.08	31.24	54.53	84.48	35.94	78.05
21/04/2024 18:42:10	164.86	44.28	112.76	200.12	31.23	54.57	84.47	35.94	78.08
21/04/2024 18:42:44	164.78	44.13	112.43	200.20	31.06	53.97	84.39	35.68	77.93
21/04/2024 18:43:17	164.57	44.42	112.18	200.09	31.26	54.44	84.57	35.93	78.15
21/04/2024 18:43:51	164.59	44.51	112.30	200.05	31.30	54.67	84.58	36.00	78.39
21/04/2024 18:44:24	164.29	44.18	112.01	199.78	31.23	54.80	84.22	35.99	77.95
21/04/2024 18:44:58	164.37	44.27	111.90	199.97	31.25	54.36	84.42	35.89	78.03
21/04/2024 18:45:31	164.34	44.26	111.93	199.92	31.28	54.63	84.45	35.99	78.05
21/04/2024 18:46:04	164.38	44.26	111.79	200.10	31.24	54.55	84.35	35.92	77.91
21/04/2024 18:46:38	164.25	44.18	111.78	199.86	31.20	54.37	84.44	35.86	78.01
21/04/2024 18:47:11	164.28	44.22	111.68	200.00	31.21	54.38	84.35	35.86	77.89
21/04/2024 18:47:45	164.13	44.19	111.76	199.71	31.32	54.82	84.46	36.07	78.05
21/04/2024 18:48:18	164.35	44.36	111.95	199.92	31.36	54.69	84.49	36.07	78.07
21/04/2024 18:48:52	164.36	44.38	111.85	200.01	31.30	54.55	84.47	35.98	78.06
21/04/2024 18:49:25	164.32	44.45	111.88	199.92	31.29	54.60	84.40	35.97	77.99
21/04/2024 18:49:58	164.18	44.24	111.96	199.59	31.22	54.53	84.40	35.93	77.99
21/04/2024 18:50:32	164.57	44.41	111.94	200.29	31.21	54.19	84.37	35.83	77.96
21/04/2024 18:51:05	164.44	44.39	112.06	199.97	31.29	54.58	84.45	35.98	78.08
21/04/2024 18:51:39	164.25	44.24	112.15	199.56	31.25	54.46	84.38	35.93	78.00
21/04/2024 18:52:12	164.43	44.29	112.22	199.79	31.22	54.21	84.45	35.85	78.06
21/04/2024 18:52:45	164.55	44.28	112.21	200.01	31.24	54.22	84.43	35.86	78.02
21/04/2024 18:53:19	164.56	44.15	112.31	199.96	31.24	54.30	84.44	35.89	78.07
21/04/2024 18:53:52	164.44	44.38	112.42	199.65	31.22	54.51	84.31	35.90	77.95
21/04/2024 18:54:26	164.83	44.30	112.64	200.14	31.30	54.28	84.53	35.93	78.14
21/04/2024 18:54:59	165.02	44.42	112.77	200.35	31.42	54.23	84.23	36.00	77.70
21/04/2024 18:55:32	164.63	44.33	112.55	199.88	31.28	54.41	84.41	35.92	77.94
21/04/2024 18:56:06	164.90	44.31	112.62	200.28	31.32	54.32	84.44	35.95	77.99
21/04/2024 18:56:39	164.87	44.23	112.34	200.46	31.28	54.04	84.53	35.85	78.12

21/04/2024 18:57:13	164.89	44.16	112.54	200.34	31.22	54.34	84.35	35.87	77.94
21/04/2024 18:57:46	164.97	43.95	112.39	200.61	31.24	54.32	84.52	35.90	78.12
21/04/2024 18:58:19	165.02	44.23	112.54	200.60	31.35	54.55	84.51	36.02	78.11
21/04/2024 18:58:53	164.82	44.23	112.22	200.51	31.30	54.53	84.52	35.98	78.14
21/04/2024 18:59:26	164.64	44.14	112.07	200.30	31.23	54.38	84.45	35.88	78.07
21/04/2024 19:00:00	164.61	44.14	111.90	200.38	31.23	54.19	84.65	35.85	78.23
21/04/2024 19:00:33	164.65	44.21	112.17	200.23	31.25	54.34	84.67	35.92	78.24
21/04/2024 19:01:06	164.68	44.08	112.08	200.36	31.24	54.30	84.79	35.92	78.36
21/04/2024 19:01:40	164.76	44.32	112.03	200.54	31.29	54.29	84.69	35.93	78.27
21/04/2024 19:02:13	164.80	44.18	111.87	200.76	31.28	54.30	84.74	35.94	78.33
21/04/2024 19:02:47	164.81	44.22	111.92	200.71	31.25	54.03	84.67	35.83	78.26
21/04/2024 19:03:20	164.77	44.27	111.79	200.75	31.25	53.98	84.75	35.84	78.34
21/04/2024 19:03:54	164.81	44.34	112.14	200.52	31.28	54.03	84.72	35.89	78.29
21/04/2024 19:04:27	164.87	44.27	112.05	200.70	31.30	54.09	84.86	35.91	78.42
21/04/2024 19:05:00	165.04	44.47	112.09	200.94	31.38	53.76	84.84	35.89	78.39
21/04/2024 19:05:34	165.01	44.41	112.25	200.78	31.46	54.05	85.03	36.04	78.57
21/04/2024 19:06:07	164.89	44.43	112.22	200.59	31.39	53.94	85.21	35.94	78.92
21/04/2024 19:06:41	164.96	44.50	112.25	200.71	31.40	54.21	84.73	36.02	78.34
21/04/2024 19:07:14	165.14	44.60	112.38	200.89	31.46	53.93	84.95	35.99	78.50
21/04/2024 19:07:47	165.12	44.57	112.36	200.90	31.41	54.14	84.88	35.98	78.43
21/04/2024 19:08:21	165.13	44.44	112.39	200.85	31.34	53.87	84.84	35.88	78.33
21/04/2024 19:08:54	165.11	44.62	112.51	200.73	31.41	54.14	84.85	36.00	78.35
21/04/2024 19:09:28	165.11	44.52	112.53	200.70	31.24	53.82	84.72	35.80	78.23
21/04/2024 19:10:01	165.18	44.55	112.43	200.95	31.38	54.31	84.84	35.99	78.36
21/04/2024 19:10:35	165.45	44.50	112.49	201.35	31.43	54.03	84.96	35.97	78.44
21/04/2024 19:11:08	165.37	44.41	112.25	201.42	31.35	54.01	84.94	35.91	78.41
21/04/2024 19:11:41	165.36	44.42	112.42	201.25	31.36	54.06	84.85	35.94	78.35
21/04/2024 19:12:15	165.35	44.67	112.45	201.21	31.36	53.97	85.02	35.94	78.51
21/04/2024 19:12:48	165.20	44.46	112.34	201.00	31.29	53.66	84.85	35.80	78.35
21/04/2024 19:13:22	165.22	44.35	112.39	201.03	31.30	54.00	84.93	35.90	78.41
21/04/2024 19:13:55	165.38	44.56	112.49	201.20	31.40	53.73	85.01	35.94	78.54
21/04/2024 19:14:28	165.12	44.62	112.61	200.69	31.48	54.38	84.87	36.10	78.48
21/04/2024 19:15:02	165.22	44.56	112.63	200.85	31.33	54.29	84.72	35.98	78.33
21/04/2024 19:15:35	165.03	44.43	112.65	200.51	31.35	54.56	84.75	36.06	78.38
21/04/2024 19:16:09	165.24	44.45	112.73	200.81	31.41	54.45	84.89	36.10	78.49
21/04/2024 19:16:42	165.39	44.49	112.72	201.08	31.41	54.45	84.93	36.10	78.53
21/04/2024 19:17:16	165.37	44.36	112.43	201.27	31.24	54.25	84.24	35.90	77.86
21/04/2024 19:17:49	165.38	44.34	112.46	201.26	31.30	54.16	84.97	35.94	78.51
21/04/2024 19:18:22	165.68	44.56	112.71	201.59	31.43	54.29	85.01	36.08	78.59
21/04/2024 19:18:56	165.44	44.54	112.59	201.28	31.46	54.37	85.13	36.13	78.72
21/04/2024 19:19:29	165.57	44.51	112.88	201.27	31.46	54.48	84.95	36.14	78.58
21/04/2024 19:20:03	165.72	44.44	112.67	201.66	31.31	53.88	85.20	35.89	78.74
21/04/2024 19:20:36	165.58	44.43	112.68	201.40	31.33	53.78	85.16	35.89	78.71

21/04/2024 19:21:10	165.60	44.35	112.60	201.49	31.34	53.82	85.08	35.90	78.68
21/04/2024 19:21:43	165.72	44.45	112.31	201.95	31.26	53.63	85.10	35.79	78.68
21/04/2024 19:22:16	165.61	44.46	112.59	201.52	31.31	53.73	85.10	35.88	78.66
21/04/2024 19:22:50	165.80	44.58	112.38	202.02	31.28	53.55	85.27	35.78	78.75
21/04/2024 19:23:23	165.84	44.62	112.47	202.05	31.28	53.74	86.40	35.81	78.90
21/04/2024 19:23:57	166.01	44.73	112.65	202.15	31.31	53.41	85.33	35.78	78.87
21/04/2024 19:24:30	166.08	44.57	112.35	202.58	31.28	53.73	85.54	35.83	79.04
21/04/2024 19:25:03	166.14	44.76	112.59	202.47	31.41	53.79	85.47	35.96	78.97
21/04/2024 19:25:37	166.03	44.68	112.80	202.09	31.39	53.69	85.47	35.92	78.97
21/04/2024 19:26:10	165.96	44.53	112.79	201.96	31.26	53.60	85.29	35.81	78.78
21/04/2024 19:26:44	165.96	44.54	112.55	202.18	31.21	53.71	85.24	35.77	78.80
21/04/2024 19:27:17	166.30	44.76	113.00	202.37	31.36	53.53	85.43	35.82	78.90
21/04/2024 19:27:51	166.27	44.52	113.11	202.23	31.37	53.71	85.50	35.90	78.97
21/04/2024 19:28:24	166.18	44.58	112.75	202.40	31.30	53.68	86.25	35.83	79.24
21/04/2024 19:28:57	166.42	44.79	113.08	202.54	31.32	53.83	85.34	35.88	78.88
21/04/2024 19:29:31	166.50	44.94	113.09	202.67	31.31	53.80	85.32	35.84	78.87
21/04/2024 19:30:04	166.46	44.76	112.73	202.96	31.40	54.14	85.46	35.99	79.00
21/04/2024 19:30:37	166.63	44.98	113.19	202.82	31.45	53.87	85.36	35.96	78.90
21/04/2024 19:31:11	166.73	44.94	113.31	202.90	31.43	53.97	85.51	35.99	79.02
21/04/2024 19:31:44	166.70	44.84	113.17	202.96	31.33	53.80	85.27	35.86	78.88
21/04/2024 19:32:18	166.71	44.62	113.04	203.11	31.35	53.88	85.29	35.90	78.90
21/04/2024 19:32:51	166.81	44.72	113.28	203.09	31.48	54.04	85.38	36.04	78.95
21/04/2024 19:33:25	167.04	44.94	113.46	203.35	31.47	54.09	85.65	36.04	79.16
21/04/2024 19:33:58	166.79	44.80	113.55	202.80	31.47	53.99	85.43	36.03	79.05
21/04/2024 19:34:32	166.70	44.53	113.53	202.67	31.35	53.97	85.57	35.94	79.14
21/04/2024 19:35:05	167.02	44.80	113.32	203.41	31.44	53.98	85.45	35.99	79.06
21/04/2024 19:35:38	166.76	44.49	113.54	202.77	31.44	54.03	85.55	36.03	79.19
21/04/2024 19:36:12	166.76	44.70	113.51	202.76	31.38	53.70	85.52	35.88	79.13
21/04/2024 19:36:45	166.85	44.50	113.17	203.25	31.36	54.06	85.46	35.96	79.10
21/04/2024 19:37:19	166.93	44.77	113.27	203.31	31.44	54.05	85.41	36.00	79.08
21/04/2024 19:37:52	166.95	44.73	113.37	203.27	31.50	54.09	85.48	36.06	79.17
21/04/2024 19:38:26	167.01	44.41	113.66	203.09	31.55	53.83	85.61	36.07	79.28
21/04/2024 19:38:59	167.25	44.85	113.54	203.64	31.58	54.14	85.79	36.14	79.39
21/04/2024 19:39:32	167.17	44.89	113.48	203.55	31.58	54.03	85.74	36.12	79.52
21/04/2024 19:40:06	166.85	44.71	113.35	203.08	31.53	53.97	86.16	36.07	79.62
21/04/2024 19:40:39	166.94	44.66	113.35	203.25	31.62	54.14	86.02	36.18	79.59
21/04/2024 19:41:13	166.82	44.58	112.51	203.78	31.56	54.11	86.24	36.12	79.68
21/04/2024 19:41:46	166.93	44.72	113.11	203.45	31.63	54.11	85.77	36.19	79.38
21/04/2024 19:42:19	166.94	44.67	113.63	203.04	31.68	54.35	85.83	36.29	79.42
21/04/2024 19:42:53	166.98	44.64	113.19	203.47	31.58	53.98	85.80	36.10	79.34
21/04/2024 19:43:26	166.75	44.61	113.17	203.07	31.58	54.05	85.85	36.13	79.39
21/04/2024 19:44:00	167.00	44.43	112.94	203.73	31.63	54.22	85.64	36.21	79.26
21/04/2024 19:44:33	166.43	44.86	113.00	202.66	31.79	54.22	85.82	36.34	79.44

21/04/2024 19:45:07	166.71	44.81	113.18	203.01	31.73	54.09	85.82	36.23	79.42
21/04/2024 19:45:40	166.64	44.85	113.35	202.74	31.71	54.18	86.90	36.20	79.51
21/04/2024 19:46:13	166.66	44.91	113.12	202.97	31.76	54.17	85.71	36.25	79.44
21/04/2024 19:46:47	166.57	44.86	113.18	202.78	31.77	54.31	85.81	36.29	79.52
21/04/2024 19:47:20	166.21	44.86	112.73	202.50	31.71	54.06	85.88	36.18	79.59
21/04/2024 19:47:54	166.33	44.94	112.76	202.70	31.79	54.23	86.19	36.27	79.82
21/04/2024 19:48:27	166.11	44.90	112.33	202.67	31.73	53.98	86.14	36.15	79.80
21/04/2024 19:49:01	166.28	44.86	112.18	203.12	31.69	54.27	86.24	36.20	79.86
21/04/2024 19:49:34	166.18	44.72	111.83	203.26	31.69	54.32	86.13	36.19	79.78
21/04/2024 19:50:08	166.38	44.82	112.29	203.23	31.78	54.39	86.21	36.28	79.96
21/04/2024 19:50:41	166.27	44.94	112.32	203.00	31.78	54.45	86.74	36.30	80.24
21/04/2024 19:51:15	166.27	44.96	111.89	203.37	31.73	54.39	86.30	36.27	79.95
21/04/2024 19:51:48	166.82	44.93	112.45	203.87	31.78	54.47	86.22	36.29	79.97
21/04/2024 19:52:22	166.76	44.82	112.07	204.07	31.62	54.29	86.60	36.13	80.22
21/04/2024 19:52:55	166.62	44.61	112.12	203.78	31.68	54.21	86.44	36.16	80.13
21/04/2024 19:53:28	166.35	44.48	112.11	203.29	31.50	54.00	85.99	35.99	79.81
21/04/2024 19:54:02	166.32	44.63	112.37	202.97	31.43	53.74	85.95	35.89	79.76
21/04/2024 19:54:35	166.60	44.62	112.81	203.12	31.56	53.93	86.03	36.06	79.83
21/04/2024 19:55:09	166.64	44.96	112.98	203.02	31.67	53.80	86.04	36.08	79.90
21/04/2024 19:55:42	166.82	44.92	112.95	203.40	31.80	54.21	85.79	36.28	79.72
21/04/2024 19:56:16	166.86	44.97	112.84	203.53	31.71	53.71	86.09	36.09	79.93
21/04/2024 19:56:49	166.70	44.80	112.96	203.15	31.68	53.84	85.99	36.10	79.89
21/04/2024 19:57:23	166.78	44.94	113.18	203.07	31.82	53.59	85.88	36.15	79.81
21/04/2024 19:57:56	166.77	44.89	113.12	203.14	31.85	54.00	85.92	36.20	79.92
21/04/2024 19:58:30	167.11	45.23	113.26	203.66	32.01	54.29	86.04	36.41	80.06
21/04/2024 19:59:03	167.22	45.44	113.43	203.71	32.05	54.31	86.13	36.45	80.14
21/04/2024 19:59:36	167.09	45.38	113.43	203.47	31.86	54.23	86.08	36.32	80.12
21/04/2024 20:00:10	166.75	45.12	113.30	202.94	31.80	53.90	86.17	36.24	80.17
21/04/2024 20:00:43	166.74	45.40	113.17	203.04	31.88	53.83	86.16	36.26	80.19
21/04/2024 20:01:17	166.86	45.38	112.98	203.45	31.91	54.07	86.22	36.34	80.25
21/04/2024 20:01:50	166.75	45.58	112.72	203.45	31.97	53.89	86.21	36.33	80.21
21/04/2024 20:02:23	167.13	45.54	113.96	203.05	32.02	53.92	86.21	36.38	80.21
21/04/2024 20:02:57	169.03	45.47	117.71	203.15	31.93	53.91	86.23	36.30	80.29
21/04/2024 20:03:30	167.09	45.65	113.67	203.25	31.86	53.99	86.27	36.26	80.33
21/04/2024 20:04:04	166.80	45.68	112.94	203.35	31.97	53.83	86.32	36.31	80.43
21/04/2024 20:04:37	166.64	45.27	112.29	203.64	31.92	54.00	86.20	36.35	80.36
21/04/2024 20:05:11	166.80	45.08	112.18	204.01	31.81	53.81	86.00	36.25	80.11
21/04/2024 20:05:44	166.65	45.29	112.06	203.86	31.83	53.91	86.80	36.22	80.83
21/04/2024 20:06:18	167.17	45.27	112.43	204.44	31.81	53.74	86.71	36.21	80.73
21/04/2024 20:06:51	167.02	45.27	112.42	204.20	31.81	54.01	86.91	36.26	80.92
21/04/2024 20:07:24	167.31	45.73	112.60	204.59	31.92	54.19	87.09	36.38	81.07
21/04/2024 20:07:58	167.27	45.34	113.20	203.99	32.09	54.14	87.28	36.48	81.23
21/04/2024 20:08:31	167.13	45.48	112.75	204.14	32.03	54.17	87.27	36.41	81.26

21/04/2024 20:09:05	167.36	45.01	113.11	204.25	32.10	54.38	87.61	36.48	81.53
21/04/2024 20:09:38	167.19	45.31	112.64	204.37	32.15	54.64	87.67	36.56	81.60
21/04/2024 20:10:12	167.12	44.77	112.19	204.65	32.09	54.71	87.78	36.61	81.74
21/04/2024 20:10:45	167.41	45.34	112.50	204.92	32.16	54.80	87.71	36.67	81.73
21/04/2024 20:11:19	167.57	44.82	112.47	205.22	32.14	54.94	87.89	36.71	81.84
21/04/2024 20:11:52	167.83	45.46	112.91	205.32	32.36	54.96	88.00	36.86	82.02
21/04/2024 20:12:26	168.10	45.07	113.24	205.52	32.34	55.00	88.07	36.86	82.11
21/04/2024 20:12:59	168.41	45.26	113.54	205.80	32.18	55.04	87.80	36.81	81.94
21/04/2024 20:13:32	168.12	45.16	113.40	205.41	32.26	55.04	88.24	36.84	82.31
21/04/2024 20:14:06	168.14	45.43	113.87	205.03	32.42	55.08	88.10	36.99	82.21
21/04/2024 20:14:39	168.29	45.33	113.78	205.47	32.41	56.01	86.19	37.22	80.98
21/04/2024 20:15:13	168.49	45.21	113.99	205.57	32.22	55.31	87.73	36.93	81.99
21/04/2024 20:15:46	167.74	45.60	113.74	204.45	32.32	55.12	87.27	36.98	81.81
21/04/2024 20:16:20	167.60	45.51	112.96	204.82	32.07	54.67	87.73	36.70	82.29
21/04/2024 20:16:53	168.23	45.86	113.92	205.17	32.23	55.26	87.75	36.92	82.52
21/04/2024 20:17:26	169.37	45.98	114.72	206.50	32.34	55.37	88.31	36.99	82.93
21/04/2024 20:18:00	168.27	45.87	115.57	203.56	33.34	52.70	88.07	37.50	83.07
21/04/2024 20:18:33	168.55	45.78	111.71	203.93	32.31	53.32	89.16	36.53	84.14
21/04/2024 20:19:07	168.54	45.83	111.47	204.13	31.72	53.53	88.26	36.11	83.70
21/04/2024 20:19:40	166.73	45.48	112.23	203.77	33.20	53.09	87.51	37.58	83.50
21/04/2024 20:20:13	168.35	45.83	114.63	204.63	33.19	53.85	89.23	37.68	84.12
21/04/2024 20:20:47	167.52	45.92	113.36	204.32	33.02	54.44	89.56	37.56	84.32
21/04/2024 20:21:20	167.92	45.54	114.06	204.25	33.19	52.67	91.11	37.44	85.47
21/04/2024 20:21:54	165.99	44.72	111.00	203.50	33.23	52.77	88.10	37.70	83.75
21/04/2024 20:22:27	168.05	46.47	114.47	204.32	33.21	54.75	89.73	37.82	84.30
21/04/2024 20:23:01	167.88	46.40	114.58	203.78	33.14	53.32	89.72	37.40	84.62
21/04/2024 20:23:34	168.34	46.76	114.95	204.35	33.52	53.94	89.22	37.79	84.56
21/04/2024 20:24:07	168.26	46.63	116.19	202.96	34.03	52.24	91.42	38.02	86.00
21/04/2024 20:24:41	168.78	46.27	116.35	203.79	34.30	53.18	90.97	38.56	85.38
21/04/2024 20:25:14	168.12	44.75	113.79	205.09	31.54	55.36	91.68	36.46	86.07
21/04/2024 20:25:48	168.53	43.80	115.16	204.50	32.54	54.00	90.09	37.79	84.95
21/04/2024 20:26:22	168.32	44.68	114.33	205.18	32.92	57.48	90.96	37.90	85.45
21/04/2024 20:26:55	168.54	44.93	114.56	205.38	33.77	57.60	91.31	38.25	85.79
21/04/2024 20:27:29	168.19	45.54	113.56	205.46	33.91	55.68	90.47	37.84	85.20
21/04/2024 20:28:02	168.10	45.02	113.53	205.28	33.39	55.24	89.66	37.53	84.72
21/04/2024 20:28:36	169.15	45.34	114.86	205.12	33.38	56.57	89.81	37.95	84.49
21/04/2024 20:29:09	169.36	45.70	115.45	205.98	33.67	56.86	90.14	38.19	85.00
21/04/2024 20:29:42	168.19	45.38	114.59	206.41	33.58	56.47	90.31	37.92	85.47
21/04/2024 20:30:16	168.36	45.79	115.43	206.05	33.94	57.25	91.61	38.42	86.17
21/04/2024 20:30:49	169.65	45.30	115.83	206.18	33.93	56.86	91.74	38.23	86.42
21/04/2024 20:31:23	169.22	45.50	114.62	206.41	33.55	56.37	91.00	37.81	85.81
21/04/2024 20:31:56	169.46	45.32	114.67	206.84	33.73	56.90	91.82	38.06	86.45
21/04/2024 20:32:30	169.57	45.26	114.78	206.92	33.59	56.48	91.32	37.92	86.17

21/04/2024 20:33:03	169.32	45.32	114.25	206.95	33.55	56.59	91.39	37.88	86.22
21/04/2024 20:33:36	169.58	45.32	114.55	207.14	33.50	56.47	91.10	37.90	86.39
21/04/2024 20:34:10	169.62	45.00	114.38	207.39	33.30	56.73	91.45	37.88	86.18
21/04/2024 20:34:43	169.55	45.15	114.32	207.30	33.60	56.70	91.17	38.19	87.07
21/04/2024 20:35:16	169.63	44.53	114.55	207.21	33.48	56.30	91.05	38.01	88.59
21/04/2024 20:35:50	169.59	44.69	114.48	207.19	33.51	56.20	90.88	38.02	88.28
21/04/2024 20:36:23	169.48	46.32	114.28	207.16	33.32	56.05	90.94	37.87	86.80
21/04/2024 20:36:57	169.65	48.20	114.55	207.24	33.57	56.09	91.11	38.08	86.49
21/04/2024 20:37:30	169.44	49.30	114.29	207.07	34.00	56.08	91.00	38.46	86.43
21/04/2024 20:38:01	170.05	49.18	115.05	207.49	33.74	55.94	90.97	38.22	85.53
21/04/2024 20:38:37	170.11	49.54	114.86	207.73	33.48	55.67	91.10	37.88	85.95
21/04/2024 20:39:10	170.45	48.76	115.24	208.01	33.33	55.78	91.17	37.92	85.32
21/04/2024 20:39:44	170.30	49.36	115.17	207.81	33.67	55.78	91.13	38.16	84.49
21/04/2024 20:40:17	170.39	49.72	115.03	208.09	33.29	55.69	91.20	37.68	84.70
21/04/2024 20:40:51	170.65	49.38	115.36	208.27	33.45	55.83	91.35	37.87	85.02
21/04/2024 20:41:24	170.92	49.13	115.69	208.47	33.55	55.88	91.25	37.98	84.99
21/04/2024 20:41:57	171.08	48.80	116.02	208.46	33.66	55.92	91.32	38.06	86.26
21/04/2024 20:42:31	171.43	49.41	116.21	208.94	38.58	56.15	91.68	38.07	85.62
21/04/2024 20:43:04	171.07	49.41	115.70	208.74	38.06	56.00	91.59	37.79	85.53
21/04/2024 20:43:37	171.01	47.34	115.63	208.72	33.32	56.31	91.78	38.04	85.53
21/04/2024 20:44:11	170.65	47.65	115.34	208.31	33.12	55.98	91.87	37.76	85.59
21/04/2024 20:44:44	170.77	46.87	115.17	208.69	33.15	56.21	91.72	37.89	85.61
21/04/2024 20:45:18	170.93	45.78	115.39	208.79	33.26	56.31	91.87	37.96	85.73
21/04/2024 20:45:51	171.15	45.71	115.35	209.23	33.10	56.47	92.24	37.92	86.23
21/04/2024 20:46:25	171.46	45.95	115.76	209.42	33.12	56.42	92.19	37.94	86.25
21/04/2024 20:46:58	171.73	46.44	116.01	209.70	33.19	56.66	92.71	38.06	86.94
21/04/2024 20:47:31	172.19	46.45	116.61	210.01	33.25	56.73	92.45	38.16	86.82
21/04/2024 20:48:05	171.95	45.05	116.13	210.00	33.29	56.76	92.55	38.18	87.06
21/04/2024 20:48:38	172.53	45.31	117.43	209.91	33.71	56.89	92.60	38.50	87.23
21/04/2024 20:49:12	172.11	45.35	116.82	209.68	33.59	56.83	92.70	38.37	87.44
21/04/2024 20:49:45	172.35	45.93	117.16	209.83	33.97	57.00	92.76	38.72	87.62
21/04/2024 20:50:18	172.39	45.56	117.03	210.02	34.00	56.97	92.43	38.73	87.29
21/04/2024 20:50:52	172.55	48.34	117.40	209.98	34.30	56.92	92.48	38.87	87.44
21/04/2024 20:51:25	172.86	46.48	117.88	210.12	34.21	57.11	92.65	38.93	87.65
21/04/2024 20:51:59	173.07	46.98	118.04	210.34	34.14	57.01	92.66	38.79	87.72
21/04/2024 20:52:32	172.98	46.80	117.86	210.37	34.09	57.17	92.80	38.87	87.90
21/04/2024 20:53:05	173.10	46.38	117.90	210.55	34.23	57.16	92.73	38.95	87.84
21/04/2024 20:53:39	172.55	46.57	117.62	209.76	34.40	56.78	92.18	38.99	87.66
21/04/2024 20:54:12	172.79	47.17	117.93	209.94	34.52	56.97	92.41	39.08	87.77
21/04/2024 20:54:46	172.95	47.49	118.06	210.14	34.79	57.22	92.80	39.37	88.21
21/04/2024 20:55:19	172.41	47.19	117.38	209.73	34.55	56.83	92.39	39.03	87.94
21/04/2024 20:55:53	172.17	47.43	116.49	210.12	34.40	57.12	92.52	39.10	88.01
21/04/2024 20:56:26	172.60	47.46	117.22	210.25	34.49	57.25	92.73	39.22	88.25

21/04/2024 20:56:59	173.13	47.33	118.29	210.24	34.46	57.04	92.25	39.05	87.61
21/04/2024 20:57:33	174.48	48.06	121.24	210.07	34.55	57.16	92.52	39.16	88.22
21/04/2024 20:58:06	174.87	48.07	122.42	209.73	34.52	57.06	92.52	39.09	88.16
21/04/2024 20:58:40	174.67	48.52	122.31	209.41	33.25	56.48	92.32	38.26	88.08
21/04/2024 20:59:13	174.93	48.64	122.59	209.65	33.84	56.67	92.11	38.77	88.10
21/04/2024 20:59:46	175.06	48.62	122.92	209.58	34.19	56.50	91.86	38.54	87.99
21/04/2024 21:00:20	175.06	48.64	122.25	210.18	34.46	56.78	92.03	38.94	88.16
21/04/2024 21:00:53	175.79	48.87	123.47	210.43	34.53	56.92	92.18	39.07	88.38
21/04/2024 21:01:27	175.16	48.51	122.44	210.21	34.49	56.97	92.24	38.97	88.48
21/04/2024 21:02:00	175.01	48.87	122.59	209.78	33.21	56.60	92.00	38.17	88.30
21/04/2024 21:02:34	174.88	49.16	122.42	209.70	33.19	56.53	91.72	38.13	88.28
21/04/2024 21:03:07	174.79	49.01	121.53	210.35	33.61	56.90	91.73	38.57	88.59
21/04/2024 21:03:40	174.64	49.32	121.32	210.26	33.66	56.88	91.60	38.63	88.88
21/04/2024 21:04:14	174.39	49.55	121.02	210.10	33.88	57.01	91.86	38.79	89.14
21/04/2024 21:04:47	174.43	49.13	120.82	210.33	34.08	57.03	92.04	38.93	88.88
21/04/2024 21:05:21	174.31	49.33	120.01	210.85	34.31	57.29	92.19	39.14	89.63
21/04/2024 21:05:54	173.92	49.44	119.76	210.36	34.00	57.08	92.19	38.91	90.25
21/04/2024 21:06:28	173.77	49.24	119.74	210.14	33.79	57.28	92.60	38.79	90.87
21/04/2024 21:07:01	173.97	49.71	119.17	211.00	34.48	57.82	92.75	39.51	90.90
21/04/2024 21:07:35	173.90	49.44	119.33	210.78	34.64	58.05	93.43	39.60	91.75
21/04/2024 21:08:08	174.05	49.58	119.31	211.09	34.32	58.07	93.63	39.44	92.00
21/04/2024 21:08:41	174.13	49.78	118.87	211.65	34.83	58.42	93.68	40.08	91.84
21/04/2024 21:09:15	174.31	50.01	119.15	211.72	34.99	58.58	94.10	40.10	92.31
21/04/2024 21:09:48	174.28	49.95	118.51	212.25	35.19	58.74	94.38	40.25	92.71
21/04/2024 21:10:22	174.40	49.97	118.99	212.05	34.70	58.75	94.52	39.98	92.80
21/04/2024 21:10:55	174.66	50.24	119.03	212.50	35.27	58.98	94.70	40.42	92.92
21/04/2024 21:11:29	174.89	50.33	119.95	212.11	35.33	59.04	94.92	40.49	93.16
21/04/2024 21:12:02	174.42	49.81	118.88	212.24	36.02	59.40	95.06	41.21	93.31
21/04/2024 21:12:36	174.67	49.75	118.92	212.67	35.56	59.51	95.32	41.16	93.58
21/04/2024 21:13:09	174.75	49.69	119.12	212.62	35.60	59.43	95.44	40.98	93.67
21/04/2024 21:13:42	175.02	50.05	119.48	212.78	35.20	59.27	95.52	40.46	93.82
21/04/2024 21:14:16	174.96	49.95	119.51	212.63	35.07	59.26	95.54	40.40	94.07
21/04/2024 21:14:49	175.11	50.28	119.55	212.87	34.84	59.32	95.50	40.12	93.79
21/04/2024 21:15:23	175.98	50.31	119.81	214.24	34.81	59.80	96.92	40.04	94.90
21/04/2024 21:15:56	175.64	49.99	119.71	213.75	35.41	60.14	96.96	40.75	94.91
21/04/2024 21:16:30	175.79	50.22	119.55	214.18	34.57	60.27	97.17	39.94	95.06
21/04/2024 21:17:03	176.35	49.86	120.19	214.62	34.63	60.29	97.43	39.95	95.29
21/04/2024 21:17:36	175.84	49.93	119.66	214.17	33.43	60.39	97.39	38.99	95.46
21/04/2024 21:18:10	176.46	50.02	119.91	215.05	33.68	60.21	97.24	39.11	96.12
21/04/2024 21:18:43	175.91	49.82	120.25	213.78	32.93	60.18	96.20	38.57	95.94
21/04/2024 21:19:17	175.84	49.99	120.49	213.46	36.40	60.40	96.90	41.63	96.12
21/04/2024 21:19:50	176.12	50.05	120.55	213.94	36.45	60.79	97.99	42.13	96.45
21/04/2024 21:20:24	176.62	50.18	120.85	214.53	35.72	60.41	96.59	40.67	96.27

21/04/2024 21:20:57	176.41	49.95	120.62	214.39	36.60	60.71	97.46	41.44	96.61
21/04/2024 21:21:30	176.32	50.08	120.42	214.40	36.13	60.74	96.81	41.10	96.30
21/04/2024 21:22:04	176.08	50.45	120.43	213.91	35.05	60.23	94.52	40.32	95.02
21/04/2024 21:22:37	176.21	50.25	120.60	213.94	34.36	59.62	94.65	39.84	95.19
21/04/2024 21:23:11	176.74	50.96	120.18	215.38	33.74	61.02	94.42	39.25	95.08
21/04/2024 21:23:44	176.65	51.42	120.53	214.90	34.40	60.73	94.93	39.80	95.37
21/04/2024 21:24:18	177.48	51.77	120.92	215.98	34.52	60.16	97.07	39.78	96.79
21/04/2024 21:24:51	176.52	51.74	120.83	214.28	34.89	59.54	96.03	39.95	96.11
21/04/2024 21:25:25	176.89	51.89	120.83	214.61	34.64	55.91	92.41	38.94	93.83
21/04/2024 21:25:58	177.24	52.29	120.60	215.44	34.70	55.91	92.38	39.00	93.69
21/04/2024 21:26:32	176.93	52.36	120.59	214.69	34.79	53.80	89.88	38.65	91.99
21/04/2024 21:27:06	176.93	53.46	121.31	214.06	35.35	53.86	90.69	39.08	92.61
21/04/2024 21:27:39	177.23	53.77	121.40	214.61	35.78	54.84	92.11	39.59	93.42
21/04/2024 21:28:12	177.15	53.90	121.27	214.61	36.28	54.99	92.49	40.02	93.48
21/04/2024 21:28:45	176.91	54.33	120.60	214.70	36.68	54.41	91.68	40.25	92.95
21/04/2024 21:29:19	177.06	54.98	120.69	214.89	36.03	54.28	92.32	40.15	92.91
21/04/2024 21:29:52	177.67	54.77	121.27	215.80	36.57	57.96	94.78	40.94	95.05
21/04/2024 21:30:26	177.69	56.60	120.99	216.20	35.53	59.21	95.41	40.57	95.48
21/04/2024 21:30:59	178.34	56.82	122.63	215.98	35.69	59.69	96.15	40.68	96.28
21/04/2024 21:31:33	178.62	56.81	123.09	216.19	36.23	60.93	96.67	41.32	96.46
21/04/2024 21:32:06	178.60	57.19	125.06	214.52	37.15	62.05	98.39	41.86	97.98
21/04/2024 21:32:39	179.38	57.14	124.53	216.29	38.07	61.04	98.24	41.97	97.72
21/04/2024 21:33:13	178.11	57.68	120.71	217.39	37.26	61.21	99.12	40.59	98.24
21/04/2024 21:33:46	177.13	57.37	118.22	217.87	37.36	61.69	99.98	40.73	98.98
21/04/2024 21:34:20	178.40	54.14	121.50	217.34	38.04	62.72	101.05	41.29	99.68
21/04/2024 21:34:53	179.47	55.49	122.20	218.70	38.12	63.35	102.26	41.59	100.96
21/04/2024 21:35:27	180.87	54.83	123.14	220.40	38.14	63.57	103.46	41.58	101.67
21/04/2024 21:36:00	180.83	56.18	122.98	220.61	38.95	65.13	104.21	42.58	102.71
21/04/2024 21:36:33	181.50	55.32	123.44	221.37	38.66	64.90	103.78	42.38	102.78
21/04/2024 21:37:07	180.34	55.60	122.70	220.03	38.72	65.65	104.35	42.64	104.31
21/04/2024 21:37:40	180.79	55.83	123.31	220.34	39.28	66.15	105.12	43.16	104.87
21/04/2024 21:38:14	182.41	56.85	123.41	223.36	38.74	68.43	108.67	43.47	107.28
21/04/2024 21:38:47	181.78	58.17	123.85	221.53	38.84	65.37	108.02	42.92	106.07
21/04/2024 21:39:21	180.13	56.79	123.32	219.12	38.72	65.67	108.10	43.01	106.29
21/04/2024 21:39:54	179.04	56.41	123.53	216.83	38.44	63.94	108.82	42.70	107.13
21/04/2024 21:40:28	179.26	56.51	124.33	216.44	38.98	63.16	108.90	42.90	107.16
21/04/2024 21:41:01	179.46	56.90	124.15	217.06	38.44	64.35	109.20	42.91	107.48
21/04/2024 21:41:35	181.25	56.85	124.29	220.24	38.38	65.41	109.60	43.22	108.10
21/04/2024 21:42:08	180.91	56.93	124.33	219.62	38.86	66.66	109.51	43.49	108.27
21/04/2024 21:42:41	181.19	56.92	124.65	219.86	39.74	65.90	109.90	44.16	108.22
21/04/2024 21:43:15	180.68	56.96	125.19	218.39	39.39	65.02	110.14	43.76	107.77
21/04/2024 21:43:48	180.95	56.76	124.53	219.46	39.08	65.14	109.89	43.73	108.18
21/04/2024 21:44:22	181.29	57.52	125.19	219.55	39.34	65.66	110.51	44.07	108.93

21/04/2024 21:44:55	181.70	58.00	125.93	219.56	40.00	65.09	111.32	44.43	109.90
21/04/2024 21:45:29	181.77	58.17	125.83	219.88	39.25	66.11	111.18	44.17	110.63
21/04/2024 21:46:02	182.55	57.24	125.42	221.66	39.46	66.42	113.19	44.41	112.93
21/04/2024 21:46:36	182.58	58.12	125.46	221.63	39.09	65.96	1127.4	43.89	114.11
21/04/2024 21:47:09	182.55	57.07	124.55	222.43	39.00	66.64	113.40	44.10	114.37
21/04/2024 21:47:43	182.82	57.70	125.24	222.37	39.96	67.22	11327	44.88	114.64
21/04/2024 21:48:16	184.06	57.58	125.84	224.15	40.62	68.28	115.40	45.64	117.20
21/04/2024 21:48:49	183.21	58.28	125.45	222.92	40.42	67.61	114.79	45.14	118.27
21/04/2024 21:49:23	184.45	58.84	126.07	224.65	40.84	68.31	116.04	45.63	119.16
21/04/2024 21:49:56	184.78	58.05	126.27	225.12	41.06	68.94	118.11	46.12	121.10
21/04/2024 21:50:30	184.96	58.16	126.28	225.42	40.83	68.83	115.23	45.98	119.71
21/04/2024 21:51:03	185.27	58.18	126.42	225.89	41.18	69.23	116.32	46.30	120.25
21/04/2024 21:51:37	185.51	58.22	126.49	226.25	41.11	69.26	115.55	46.25	119.52
21/04/2024 21:52:10	185.46	58.32	126.55	226.13	40.99	69.26	113.36	46.20	118.72
21/04/2024 21:52:44	185.63	58.34	126.97	226.06	41.04	69.33	114.09	46.24	119.16
21/04/2024 21:53:17	185.54	58.95	126.77	226.08	41.18	69.43	115.14	46.42	120.31
21/04/2024 21:53:50	185.74	58.71	126.78	226.45	41.55	69.66	113.68	46.69	118.85
21/04/2024 21:54:24	185.40	58.72	126.43	226.16	41.40	69.63	114.89	46.63	119.94
21/04/2024 21:54:57	185.52	59.24	126.53	226.30	41.53	69.75	115.03	46.78	120.07
21/04/2024 21:55:31	185.48	58.63	126.53	226.20	41.55	69.41	115.37	46.60	120.34
21/04/2024 21:56:04	186.06	59.27	127.05	226.83	42.05	70.17	116.59	47.22	120.10
21/04/2024 21:56:38	185.93	58.61	126.88	226.74	41.83	70.01	116.98	47.06	120.52
21/04/2024 21:57:11	186.29	59.03	127.27	227.06	41.76	70.28	117.65	47.01	121.11
21/04/2024 21:57:44	186.35	59.46	127.45	227.02	42.29	70.30	117.72	47.37	121.23
21/04/2024 21:58:18	186.44	59.01	127.44	227.19	42.75	70.40	117.80	47.82	121.49
21/04/2024 21:58:51	186.54	59.15	127.41	227.45	43.30	70.92	118.09	48.51	122.07
21/04/2024 21:59:25	186.45	59.33	127.49	227.22	43.65	70.92	118.31	48.82	122.32
21/04/2024 21:59:58	186.26	59.32	127.06	227.25	41.67	70.94	118.15	47.01	121.85
21/04/2024 22:00:32	186.51	58.54	127.19	227.42	39.91	69.20	117.76	44.79	121.47
21/04/2024 22:01:05	186.54	58.90	127.16	227.61	40.19	70.30	119.12	45.22	123.06
21/04/2024 22:01:39	186.94	58.38	127.54	228.04	42.28	70.81	119.17	47.57	122.90
21/04/2024 22:02:12	187.23	59.18	127.73	228.44	43.36	71.44	119.63	48.64	123.11
21/04/2024 22:02:45	187.36	59.59	127.75	228.72	43.79	72.14	119.80	49.22	122.98
21/04/2024 22:03:19	187.41	59.25	127.90	228.67	44.17	72.07	120.31	49.55	123.72
21/04/2024 22:03:52	188.08	59.39	128.46	229.43	44.31	72.55	120.09	49.82	123.33
21/04/2024 22:04:26	188.03	59.84	128.64	229.12	44.47	71.98	119.63	49.76	122.82
21/04/2024 22:04:59	187.91	59.63	128.69	228.85	44.54	71.79	119.60	49.77	122.81
21/04/2024 22:05:33	187.75	59.74	128.39	228.79	44.35	71.40	119.52	49.40	123.13
21/04/2024 22:06:06	188.03	59.53	128.63	229.12	44.27	71.93	119.76	49.56	123.09
21/04/2024 22:06:39	188.21	59.95	128.78	229.33	44.19	72.01	119.89	49.56	123.36
21/04/2024 22:07:13	188.35	59.46	128.09	229.41	44.72	72.25	120.26	49.99	123.59
21/04/2024 22:07:46	188.33	59.53	128.76	229.58	44.33	72.24	120.35	49.69	123.64
21/04/2024 22:08:20	188.38	58.19	128.72	229.75	44.38	72.67	120.56	49.93	123.66

21/04/2024 22:08:53	188.19	59.52	128.59	229.50	44.41	72.42	120.41	49.70	123.09
21/04/2024 22:09:27	188.16	59.46	128.50	229.52	43.89	72.39	120.61	49.42	123.42
21/04/2024 22:10:00	188.31	59.56	128.71	229.60	44.34	72.43	120.60	49.65	123.75
21/04/2024 22:10:34	188.16	59.16	128.47	229.53	43.90	72.32	120.20	49.40	123.30
21/04/2024 22:11:07	188.25	59.57	128.64	229.54	44.15	72.31	119.97	49.47	123.09
21/04/2024 22:11:40	188.46	59.39	128.73	229.88	44.29	72.77	120.27	49.76	123.67
21/04/2024 22:12:14	188.64	59.53	128.82	230.15	44.14	73.00	121.95	49.82	125.24
21/04/2024 22:12:47	188.79	60.12	129.05	230.20	44.56	72.92	121.19	49.90	124.38
21/04/2024 22:13:21	188.77	59.72	129.06	230.16	44.61	72.92	120.13	49.93	123.81
21/04/2024 22:13:54	188.58	59.11	128.95	229.90	44.00	72.56	120.42	49.46	124.23
21/04/2024 22:14:28	188.74	59.94	129.26	229.91	44.35	72.63	120.25	49.57	124.41
21/04/2024 22:15:01	188.66	60.13	129.29	229.74	44.46	72.67	119.88	49.72	124.33
21/04/2024 22:15:35	188.56	60.34	129.16	229.67	44.37	72.68	119.59	49.64	124.62
21/04/2024 22:16:08	188.25	59.54	128.81	229.44	43.78	72.65	123.38	49.23	126.09
21/04/2024 22:16:41	188.62	59.85	129.17	229.81	44.42	72.97	120.46	49.78	124.89
21/04/2024 22:17:15	188.27	59.64	128.81	229.51	44.02	73.19	117.66	49.65	123.28
21/04/2024 22:17:48	188.47	60.15	129.12	229.59	44.23	72.98	118.10	49.66	123.87
21/04/2024 22:18:22	188.65	60.13	129.10	229.89	44.21	72.78	120.56	49.52	126.83
21/04/2024 22:18:55	188.87	60.58	129.41	230.07	44.73	73.24	120.87	50.03	126.98
21/04/2024 22:19:29	188.89	60.15	129.43	230.08	44.66	73.10	120.65	49.94	126.43
21/04/2024 22:20:02	188.68	59.42	129.22	229.88	44.45	73.05	120.02	49.97	126.79
21/04/2024 22:20:35	188.68	59.69	129.19	229.90	44.40	73.03	119.58	49.89	125.14
21/04/2024 22:21:09	189.22	59.98	129.52	230.63	44.69	73.64	122.41	50.18	128.49
21/04/2024 22:21:42	189.32	60.51	129.74	230.62	45.01	73.70	123.57	50.40	129.19
21/04/2024 22:22:18	189.36	60.90	129.87	230.55	44.96	73.47	120.40	50.30	126.68
21/04/2024 22:22:49	189.34	60.94	129.84	230.56	44.95	73.49	120.06	50.31	124.96
21/04/2024 22:23:22	189.62	60.50	130.11	230.82	45.26	73.54	120.91	50.49	126.65
21/04/2024 22:23:56	190.20	60.95	130.62	231.42	45.36	73.70	120.53	50.61	125.65
21/04/2024 22:24:29	190.02	62.04	130.59	231.11	45.43	73.58	120.47	50.61	124.82
21/04/2024 22:25:03	190.39	60.84	130.87	231.56	45.61	73.87	120.45	50.86	125.42
21/04/2024 22:25:36	190.96	62.00	131.31	232.26	45.90	74.52	119.57	51.26	125.06
21/04/2024 22:26:10	191.29	60.99	131.77	232.47	46.52	74.99	119.58	51.79	124.88
21/04/2024 22:26:43	191.12	61.08	131.75	232.08	45.94	73.74	121.18	51.28	128.78
21/04/2024 22:27:17	191.49	61.41	131.95	232.67	46.24	74.91	123.70	51.73	127.57
21/04/2024 22:27:50	190.63	61.01	131.48	231.54	46.20	74.82	127.36	51.59	129.46
21/04/2024 22:28:24	191.31	61.40	131.95	232.35	46.31	74.84	128.48	51.68	130.53
21/04/2024 22:28:57	191.21	60.97	131.88	232.20	46.20	74.68	128.37	51.58	130.33
21/04/2024 22:29:30	192.07	61.67	132.79	232.97	47.13	75.03	129.49	52.15	131.32
21/04/2024 22:30:04	192.54	62.00	133.10	233.53	47.55	74.98	129.37	52.17	131.65
21/04/2024 22:30:37	192.46	62.15	133.20	233.32	46.61	75.09	127.78	52.03	130.01
21/04/2024 22:31:11	191.78	62.09	132.84	232.39	46.50	74.84	128.77	51.95	131.14
21/04/2024 22:31:44	192.22	61.66	133.42	232.74	47.69	75.57	127.68	52.61	130.53
21/04/2024 22:32:18	192.62	62.24	134.03	232.89	48.26	75.23	127.72	53.01	130.71

21/04/2024 22:32:51	192.59	62.54	133.80	233.03	48.51	75.19	127.43	52.25	130.46
21/04/2024 22:33:24	193.14	62.61	134.51	233.62	49.47	77.50	125.87	54.29	128.98
21/04/2024 22:33:58	193.26	62.68	134.38	233.68	47.91	74.09	127.08	51.55	130.35
21/04/2024 22:34:31	193.58	62.34	134.51	234.29	48.35	76.36	126.57	53.20	130.60
21/04/2024 22:35:04	193.86	62.10	134.81	234.40	48.67	75.08	125.53	53.22	130.19
21/04/2024 22:35:38	193.73	62.47	134.68	234.39	48.84	76.24	125.74	53.60	130.34
21/04/2024 22:36:11	194.39	62.61	135.17	235.27	49.25	77.78	123.48	54.44	129.27
21/04/2024 22:36:45	194.97	63.11	135.49	236.17	49.71	79.20	124.26	55.03	129.47
21/04/2024 22:37:18	195.25	63.80	136.21	235.79	48.47	76.48	125.51	52.82	130.75
21/04/2024 22:37:51	195.30	63.80	136.04	236.12	49.68	77.62	122.41	53.24	129.82
21/04/2024 22:38:25	195.15	63.72	136.26	235.66	50.18	77.57	122.47	53.48	130.69
21/04/2024 22:38:58	195.25	63.94	135.93	236.23	50.84	78.65	122.44	54.26	130.67
21/04/2024 22:39:32	195.81	64.06	136.42	236.86	51.88	79.24	123.02	55.18	131.17
21/04/2024 22:40:05	195.92	64.53	136.88	236.66	51.76	79.21	122.60	54.89	130.75
21/04/2024 22:40:38	195.41	64.21	136.14	236.36	52.43	78.96	122.69	55.43	131.05
21/04/2024 22:41:12	195.84	64.65	136.60	236.80	53.38	79.77	122.52	56.48	131.17
21/04/2024 22:41:45	196.22	64.84	137.12	237.11	55.50	80.62	122.85	58.63	131.38
21/04/2024 22:42:19	196.39	64.89	137.67	236.92	57.43	80.66	122.90	60.39	131.46
21/04/2024 22:42:52	195.36	63.31	135.27	237.21	58.70	80.74	122.95	61.40	131.50
21/04/2024 22:43:25	195.89	63.82	135.98	237.56	60.13	81.19	123.17	62.60	131.85
21/04/2024 22:43:59	195.59	63.55	135.36	237.58	60.12	81.10	123.19	62.37	131.62
21/04/2024 22:44:32	195.03	63.49	134.98	236.51	59.74	81.20	123.38	61.94	131.89
21/04/2024 22:45:05	195.63	64.03	135.78	237.27	60.59	80.99	122.82	62.39	131.09
21/04/2024 22:45:39	195.78	63.71	135.98	237.34	60.86	80.71	122.26	62.63	130.56
21/04/2024 22:46:12	196.22	64.21	138.17	238.01	60.40	81.41	123.47	62.47	131.64
21/04/2024 22:46:46	196.96	64.40	136.91	238.69	60.77	81.51	123.25	62.99	131.14
21/04/2024 22:47:19	196.71	64.25	136.77	238.35	60.96	81.40	123.57	62.91	131.30
21/04/2024 22:47:52	196.17	64.52	138.59	237.56	61.56	81.36	122.23	63.27	130.35
21/04/2024 22:48:26	196.78	64.73	137.02	238.31	62.23	81.83	123.93	63.76	132.17
21/04/2024 22:48:59	195.81	65.07	136.68	236.80	62.06	81.10	122.72	63.21	130.98
21/04/2024 22:49:33	196.58	65.63	138.09	237.05	64.10	82.32	123.71	65.16	131.81
21/04/2024 22:50:06	195.75	65.67	136.40	236.96	63.48	81.29	122.79	64.12	131.13
21/04/2024 22:50:39	195.48	66.52	135.85	237.00	63.93	81.64	123.12	64.48	131.41
21/04/2024 22:51:13	196.48	66.62	137.49	237.31	62.45	81.27	122.54	62.85	130.41
21/04/2024 22:51:46	196.37	66.16	137.19	237.35	62.60	81.05	122.93	61.84	131.07
21/04/2024 22:52:20	195.82	65.78	136.47	236.97	62.67	80.80	122.69	61.60	131.10
21/04/2024 22:52:53	196.20	65.78	136.74	237.42	62.55	80.78	123.04	61.43	131.26
21/04/2024 22:53:27	197.16	65.65	137.55	238.49	63.17	81.45	123.63	62.06	131.73
21/04/2024 22:54:00	197.12	65.57	137.38	238.60	63.64	81.84	124.01	62.50	131.74
21/04/2024 22:54:34	198.22	66.49	138.69	239.42	63.96	81.97	123.70	62.69	131.43
21/04/2024 22:55:07	197.51	65.28	137.63	239.10	63.30	82.05	123.73	62.42	131.74
21/04/2024 22:55:41	197.73	66.32	138.02	239.13	63.90	81.89	123.53	62.45	131.67
21/04/2024 22:56:14	197.98	65.83	138.28	239.34	63.60	81.78	123.26	62.41	130.97

21/04/2024 22:56:47	198.01	64.52	137.87	239.80	63.06	82.42	123.21	62.85	130.30
21/04/2024 22:57:21	198.41	64.93	138.37	240.08	63.10	82.37	123.56	63.16	130.92
21/04/2024 22:57:54	198.22	65.00	137.86	240.19	62.45	82.39	123.62	62.74	130.79
21/04/2024 22:58:28	199.18	65.86	139.29	240.67	62.92	82.60	124.23	63.00	131.67
21/04/2024 22:59:01	199.44	65.50	139.34	241.11	63.28	82.79	124.47	63.19	131.74
21/04/2024 22:59:34	199.48	66.21	139.31	241.21	63.62	82.93	124.79	63.27	132.24
21/04/2024 23:00:08	199.65	66.57	139.59	241.28	64.29	83.06	124.45	63.61	131.61
21/04/2024 23:00:41	199.78	66.75	139.68	241.41	63.36	82.82	124.64	63.04	132.17
21/04/2024 23:01:15	200.10	66.03	139.89	241.84	64.03	83.33	124.68	63.69	132.21
21/04/2024 23:01:48	199.96	66.41	139.73	241.70	64.15	83.01	124.30	63.34	132.02
21/04/2024 23:02:22	200.46	67.22	140.35	242.07	66.07	83.20	124.13	64.28	131.78
21/04/2024 23:02:55	200.99	66.33	140.85	242.63	66.91	83.85	124.32	64.85	132.00
21/04/2024 23:03:28	200.73	66.51	140.45	242.48	65.85	83.33	125.19	63.18	132.72
21/04/2024 23:04:02	200.76	66.81	140.09	242.85	65.77	83.36	124.81	63.08	132.63
21/04/2024 23:04:35	201.82	66.95	141.86	243.17	66.36	83.08	124.26	63.41	132.22
21/04/2024 23:05:09	201.42	67.25	141.27	243.00	66.64	83.49	124.38	63.85	132.34
21/04/2024 23:05:42	202.18	66.87	142.91	242.95	67.23	83.81	124.49	64.33	132.57
21/04/2024 23:06:15	202.26	66.34	142.96	243.11	68.07	84.33	125.32	64.91	133.23
21/04/2024 23:06:49	202.22	64.64	142.81	243.19	68.26	84.52	125.25	65.13	133.30
21/04/2024 23:07:22	202.93	65.91	143.74	243.71	69.03	85.27	124.68	65.89	132.82
21/04/2024 23:07:56	202.79	64.76	143.38	243.80	68.68	85.59	124.82	65.93	132.98
21/04/2024 23:08:29	203.84	64.70	145.09	244.27	70.12	86.69	125.24	67.13	133.61
21/04/2024 23:09:03	204.57	64.32	146.02	244.82	70.87	87.40	125.69	67.83	133.99
21/04/2024 23:09:36	204.98	64.69	145.92	245.69	71.34	88.33	125.76	68.37	134.23
21/04/2024 23:10:09	205.34	64.10	145.49	246.81	71.37	89.04	124.80	68.76	133.18
21/04/2024 23:10:43	204.64	63.89	144.79	246.15	71.42	88.63	123.28	68.65	132.01
21/04/2024 23:11:16	204.93	65.11	145.30	246.20	72.24	88.60	122.81	69.20	132.57
21/04/2024 23:11:50	205.39	65.65	145.88	246.58	72.93	89.15	123.08	69.91	133.36
21/04/2024 23:12:23	204.01	65.13	144.29	245.26	69.12	86.41	123.36	66.30	132.93
21/04/2024 23:12:56	204.16	63.83	144.10	245.95	68.10	89.19	124.87	66.38	134.36
21/04/2024 23:13:30	205.17	64.64	144.07	247.73	68.09	88.73	124.29	66.05	134.05
21/04/2024 23:14:03	204.85	65.40	144.21	247.02	68.32	88.57	124.26	66.32	134.38
21/04/2024 23:14:37	205.23	66.18	144.85	247.08	70.31	88.10	123.72	68.00	135.33
21/04/2024 23:15:10	204.78	67.13	144.79	246.37	69.52	88.41	123.88	67.23	134.55
21/04/2024 23:15:44	206.01	68.00	145.45	248.08	71.43	89.35	126.49	69.06	135.49
21/04/2024 23:16:17	205.68	68.00	145.50	247.37	71.69	88.60	125.06	69.25	134.80
21/04/2024 23:16:51	205.45	67.26	145.49	246.90	71.59	87.85	128.72	68.87	137.04
21/04/2024 23:17:24	205.74	67.60	145.65	247.32	71.94	88.33	131.09	69.30	138.62
21/04/2024 23:17:58	205.12	68.29	145.06	246.69	72.42	87.91	130.75	69.46	138.53
21/04/2024 23:18:31	206.79	68.14	146.37	248.62	73.01	88.95	131.93	70.35	139.45
21/04/2024 23:19:04	204.93	67.94	145.72	245.90	73.84	89.26	131.88	71.23	139.52
21/04/2024 23:19:38	206.38	68.04	145.71	248.52	73.98	89.46	132.37	71.43	139.93
21/04/2024 23:20:11	205.98	68.87	145.64	247.89	74.73	89.71	132.09	72.09	139.75

21/04/2024 23:20:45	206.86	68.87	146.21	249.00	74.95	90.12	132.52	72.36	140.08
21/04/2024 23:21:18	207.77	67.30	148.07	249.00	75.25	90.16	132.85	72.52	140.53
21/04/2024 23:21:52	208.14	69.02	145.40	248.44	75.24	90.16	131.42	72.60	139.53
21/04/2024 23:22:25	207.37	69.41	146.90	249.34	76.19	90.55	131.43	73.38	139.61
21/04/2024 23:22:58	207.19	67.76	147.00	248.96	76.48	90.78	131.29	73.78	139.69
21/04/2024 23:23:32	208.17	69.90	147.61	250.19	76.01	91.07	131.32	74.13	139.82
21/04/2024 23:24:05	208.28	70.52	147.48	250.52	76.82	91.37	131.90	74.31	140.41
21/04/2024 23:24:39	208.47	70.69	147.59	250.78	77.23	91.58	132.10	74.46	140.64
21/04/2024 23:25:12	208.97	71.03	148.25	251.14	77.52	91.91	131.75	74.93	140.46
21/04/2024 23:25:45	209.12	71.19	148.35	251.33	78.07	92.06	131.74	75.02	140.43
21/04/2024 23:26:10	209.28	71.23	148.60	251.41	77.67	92.21	130.89	75.27	139.83
21/04/2024 23:26:52	209.62	71.23	148.90	251.77	78.29	92.34	130.61	75.33	139.76
21/04/2024 23:27:26	210.32	71.65	149.60	252.44	78.37	92.81	131.22	75.68	140.63
21/04/2024 23:27:59	210.80	70.84	150.08	252.91	78.40	93.08	131.14	75.93	140.61
21/04/2024 23:28:32	210.36	71.30	149.59	252.57	78.59	93.29	131.03	76.21	140.39
21/04/2024 23:29:06	210.66	71.47	149.56	253.16	78.88	93.54	131.17	76.27	140.48
21/04/2024 23:29:39	210.44	71.81	149.33	252.98	78.74	93.73	131.69	76.18	141.50
21/04/2024 23:30:13	210.62	71.30	149.50	253.17	78.93	93.85	131.70	76.16	143.20
21/04/2024 23:30:46	210.97	71.81	149.40	253.91	78.85	94.15	132.64	76.08	142.67
21/04/2024 23:31:20	211.94	72.67	150.34	254.82	79.13	94.31	138.16	76.30	144.58
21/04/2024 23:31:53	211.62	72.46	150.80	253.86	79.57	94.38	133.02	76.53	143.00
21/04/2024 23:32:26	212.50	72.14	151.22	255.16	79.91	95.42	136.54	76.88	146.52
21/04/2024 23:33:00	212.38	71.98	151.18	254.93	80.40	94.92	136.82	77.17	145.84
21/04/2024 23:33:33	212.66	72.27	151.40	255.29	80.70	95.49	135.97	77.50	145.56
21/04/2024 23:34:07	212.62	72.62	151.62	255.05	80.94	95.86	136.72	77.73	146.37
21/04/2024 23:34:40	212.94	72.33	151.93	255.41	81.27	96.30	136.32	78.10	146.05
21/04/2024 23:35:13	213.40	72.95	152.48	255.77	81.93	96.69	135.90	78.64	145.79
21/04/2024 23:35:47	213.38	73.34	152.59	255.66	82.18	96.79	136.19	78.80	146.07
21/04/2024 23:36:20	213.22	73.29	152.67	255.29	82.11	96.72	135.03	78.70	144.98
21/04/2024 23:36:53	213.47	73.36	153.05	255.45	82.46	97.35	135.43	79.12	145.60
21/04/2024 23:37:27	213.70	73.58	153.07	255.89	82.45	97.72	135.85	79.16	145.96
21/04/2024 23:38:00	214.18	73.86	153.59	256.28	83.17	97.61	135.59	79.77	145.80
21/04/2024 23:38:34	214.45	73.85	153.82	256.60	83.31	97.95	135.31	79.97	145.59
21/04/2024 23:39:07	214.80	73.86	153.96	257.12	83.17	98.22	135.38	79.95	145.78
21/04/2024 23:39:40	215.01	73.89	154.21	257.28	83.42	98.37	135.23	80.21	145.88
21/04/2024 23:40:14	215.41	74.21	154.67	257.63	84.05	98.76	135.08	80.87	145.48
21/04/2024 23:40:47	215.63	74.39	154.86	257.86	83.64	98.77	134.75	80.45	145.21
21/04/2024 23:41:21	215.52	74.46	154.90	257.58	83.66	98.45	134.78	80.38	145.49
21/04/2024 23:41:54	215.91	74.55	155.31	257.96	84.37	98.81	134.87	81.14	145.54
21/04/2024 23:42:28	215.70	74.59	155.24	257.64	84.50	98.68	134.75	81.22	145.33
21/04/2024 23:43:01	216.50	74.68	155.91	258.56	85.10	99.46	135.78	82.02	146.33
21/04/2024 23:43:35	216.52	74.93	155.71	258.75	84.76	99.26	136.25	81.55	146.74
21/04/2024 23:44:08	216.61	75.18	155.76	258.84	84.73	99.03	136.30	81.49	147.32

21/04/2024 23:44:41	216.28	75.07	155.96	258.07	85.00	98.83	133.72	81.73	146.89
21/04/2024 23:45:15	216.43	75.08	155.99	258.35	85.41	99.41	135.19	82.21	147.05
21/04/2024 23:45:48	216.65	74.34	156.09	258.67	85.39	99.51	135.39	82.28	147.22
21/04/2024 23:46:22	217.02	74.81	156.18	259.30	85.93	99.98	136.88	82.79	148.20
21/04/2024 23:46:55	217.00	75.09	156.24	259.16	85.86	99.50	134.56	82.56	147.15
21/04/2024 23:47:28	216.89	75.13	156.27	258.96	86.10	99.73	135.66	82.84	147.89
21/04/2024 23:48:02	218.27	74.75	158.01	259.98	86.53	100.63	138.02	83.95	149.17
21/04/2024 23:48:35	219.81	74.60	162.25	258.95	85.61	100.00	140.07	82.87	150.47
21/04/2024 23:49:09	220.81	75.38	164.48	258.73	85.26	99.53	139.95	82.10	150.40
21/04/2024 23:49:42	220.83	75.23	164.82	258.45	85.75	99.33	140.93	82.50	151.09
21/04/2024 23:50:16	220.11	75.31	163.86	258.08	85.70	99.95	140.03	82.58	150.52
21/04/2024 23:50:49	220.16	75.36	162.69	259.21	85.69	100.24	139.48	82.81	150.17
21/04/2024 23:51:22	220.81	75.13	163.95	259.25	85.90	100.00	140.51	82.75	150.85
21/04/2024 23:51:56	221.23	74.79	164.64	259.42	86.59	100.34	140.84	83.80	151.31
21/04/2024 23:52:29	219.94	75.28	160.42	260.85	86.40	100.69	140.90	83.51	151.47
21/04/2024 23:53:03	220.28	75.47	161.94	260.16	86.36	101.14	139.33	83.36	150.65
21/04/2024 23:53:36	222.07	75.54	161.49	263.74	86.24	100.98	140.04	83.23	150.87
21/04/2024 23:54:09	220.08	75.41	161.52	260.19	86.70	101.32	140.10	83.84	150.94
21/04/2024 23:54:43	219.98	74.96	161.04	260.09	83.37	97.56	139.71	79.92	150.01
21/04/2024 23:55:16	219.52	75.41	160.40	259.92	84.44	98.62	140.58	81.11	151.18
21/04/2024 23:55:50	219.76	75.19	159.18	261.44	84.66	98.74	139.32	81.36	149.88
21/04/2024 23:56:23	219.61	75.32	160.14	260.39	85.39	99.54	138.67	82.19	149.24
21/04/2024 23:56:57	219.58	75.21	157.70	262.44	84.41	99.06	138.81	81.24	149.71
21/04/2024 23:57:30	219.65	75.35	157.74	262.65	84.98	100.20	138.23	81.95	149.42
21/04/2024 23:58:04	220.58	75.84	157.41	264.56	85.23	99.94	137.83	82.10	149.06
21/04/2024 23:58:37	219.13	76.08	157.51	262.07	85.57	101.79	137.77	82.74	149.08
21/04/2024 23:59:10	218.28	75.72	155.44	262.39	84.98	101.89	138.05	82.15	149.51
21/04/2024 23:59:44	218.28	75.90	155.42	262.41	85.42	102.17	138.47	82.60	149.83
22/04/2024 00:00:17	217.90	75.92	155.25	261.78	86.43	101.15	138.96	83.49	150.23
22/04/2024 00:00:51	218.74	76.25	155.81	262.95	86.42	100.89	138.87	83.34	150.17
22/04/2024 00:01:24	219.09	76.51	155.70	263.29	86.82	98.66	139.05	83.25	150.34
22/04/2024 00:01:58	219.80	76.67	156.24	264.31	87.68	101.23	139.69	84.48	150.97
22/04/2024 00:02:31	219.84	76.78	155.75	264.69	88.33	100.82	139.50	85.54	151.00
22/04/2024 00:03:05	219.72	77.09	155.43	264.95	89.02	101.98	140.10	85.83	151.65
22/04/2024 00:03:38	220.36	77.30	155.98	265.78	88.96	103.63	139.84	86.18	151.84
22/04/2024 00:04:12	221.12	77.04	156.27	266.74	88.81	102.31	135.71	85.81	149.65
22/04/2024 00:04:45	221.43	77.05	156.31	267.37	89.84	103.44	136.41	86.74	150.66
22/04/2024 00:05:19	223.21	77.23	156.07	270.87	90.64	104.69	137.46	88.52	152.12
22/04/2024 00:05:52	223.58	76.70	156.01	271.56	90.12	104.57	137.92	88.47	152.47
22/04/2024 00:06:25	224.68	76.40	156.46	273.29	91.34	106.16	138.65	89.90	153.59
22/04/2024 00:06:59	224.43	76.67	156.82	272.46	91.90	105.46	138.03	90.15	152.38
22/04/2024 00:07:32	225.16	76.80	157.19	273.55	92.34	106.74	138.31	90.68	152.47
22/04/2024 00:08:06	225.58	77.04	157.95	273.35	93.67	103.58	138.49	91.22	152.64

22/04/2024 00:08:39	225.63	77.39	159.12	273.39	93.45	104.84	138.69	91.15	152.91
22/04/2024 00:09:13	224.55	77.73	158.81	270.92	93.40	105.31	138.87	90.97	153.19
22/04/2024 00:09:46	225.39	77.86	159.02	272.28	92.61	105.90	138.75	90.38	152.91
22/04/2024 00:10:19	225.86	78.43	159.49	272.71	93.27	106.07	139.25	91.00	153.28
22/04/2024 00:10:53	225.36	78.97	160.61	270.85	93.90	105.96	139.02	91.53	153.19
22/04/2024 00:11:26	225.44	79.34	161.02	270.59	94.29	105.59	139.14	91.77	153.16
22/04/2024 00:12:00	226.39	79.36	161.12	272.27	94.52	106.34	139.72	91.99	153.58
22/04/2024 00:12:33	228.15	78.93	161.60	274.98	94.61	106.30	139.74	91.71	153.78
22/04/2024 00:13:07	228.18	77.85	165.48	271.65	92.51	106.46	140.19	90.41	154.14
22/04/2024 00:13:40	224.40	79.74	161.86	268.20	93.84	107.58	140.29	91.60	154.11
22/04/2024 00:14:14	225.36	80.70	161.29	270.38	94.60	107.53	139.92	92.20	153.86
22/04/2024 00:14:47	227.90	80.26	165.44	271.17	94.82	106.31	140.30	92.00	154.16
22/04/2024 00:15:20	229.74	79.31	168.92	271.49	94.09	107.25	139.96	91.56	153.74
22/04/2024 00:15:54	230.34	80.57	170.16	271.37	94.43	106.12	140.35	91.65	154.02
22/04/2024 00:16:27	230.97	82.46	170.32	272.36	94.31	106.40	140.45	91.46	153.98
22/04/2024 00:17:01	231.32	84.54	171.20	272.19	94.79	106.01	140.78	91.81	154.20
22/04/2024 00:17:34	231.24	83.12	170.02	273.21	94.42	107.36	141.19	91.75	154.51
22/04/2024 00:18:08	231.85	82.35	170.27	274.17	94.95	108.36	141.31	92.42	154.28
22/04/2024 00:18:41	231.90	82.14	169.77	274.77	94.81	109.08	139.69	92.39	153.19
22/04/2024 00:19:14	232.42	82.78	169.99	275.69	95.34	111.12	140.11	93.24	153.91
22/04/2024 00:19:48	232.68	82.75	170.01	276.29	95.68	112.73	140.38	93.81	154.16
22/04/2024 00:20:21	233.06	82.03	169.87	277.16	95.76	113.52	141.18	94.09	154.76
22/04/2024 00:20:55	233.67	81.60	169.82	278.24	95.84	113.08	140.94	94.21	154.43
22/04/2024 00:21:28	233.43	81.46	169.59	277.88	95.76	111.48	139.86	93.80	153.44
22/04/2024 00:22:02	233.15	80.83	168.91	277.99	95.93	111.75	139.70	94.02	153.11
22/04/2024 00:22:35	233.82	81.66	169.52	278.67	96.53	111.92	139.83	94.54	153.09
22/04/2024 00:23:09	233.09	81.67	169.07	277.73	96.52	111.55	140.10	94.43	153.64
22/04/2024 00:23:42	233.36	81.99	169.27	278.02	96.56	111.37	140.47	94.46	154.01
22/04/2024 00:24:15	233.41	81.81	169.16	278.18	96.69	111.15	140.24	94.50	153.73
22/04/2024 00:24:49	233.56	82.08	169.33	278.30	96.77	111.06	140.52	94.60	153.80
22/04/2024 00:25:22	233.83	81.46	169.44	278.63	97.14	110.58	140.07	94.81	153.48
22/04/2024 00:25:56	234.50	81.26	169.71	279.82	97.62	110.86	140.70	95.29	153.99
22/04/2024 00:26:29	234.54	81.22	169.84	279.57	97.49	110.68	140.42	95.22	153.87
22/04/2024 00:27:03	233.76	81.50	168.66	279.21	96.94	110.65	140.75	94.76	154.11
22/04/2024 00:27:36	234.46	81.93	169.36	279.86	97.82	110.90	140.47	95.55	153.76
22/04/2024 00:28:09	234.88	82.51	169.45	280.55	97.91	111.12	141.00	95.59	154.16
22/04/2024 00:28:43	234.77	82.76	169.45	280.37	98.38	111.30	141.02	95.96	154.21
22/04/2024 00:29:16	234.83	82.66	169.39	280.51	98.25	111.33	141.10	95.90	154.40
22/04/2024 00:29:49	234.81	83.03	169.28	280.59	98.19	111.38	140.96	95.80	154.24
22/04/2024 00:30:23	234.99	83.31	169.54	280.72	98.44	111.68	141.34	96.16	154.63
22/04/2024 00:30:56	235.19	83.48	169.56	281.05	98.39	111.68	141.61	96.09	154.69
22/04/2024 00:31:30	234.97	83.53	169.78	280.48	98.77	111.87	141.49	96.40	154.66
22/04/2024 00:32:03	235.25	84.31	170.19	280.64	99.06	112.00	141.64	96.65	154.78

22/04/2024 00:32:36	235.21	84.65	170.40	280.37	99.38	111.94	141.60	96.83	154.90
22/04/2024 00:33:10	235.78	84.12	170.75	281.12	99.31	112.21	142.06	96.91	155.00
22/04/2024 00:33:43	235.66	84.35	170.79	280.86	99.48	112.16	142.01	96.96	155.05
22/04/2024 00:34:17	236.37	85.00	171.32	281.70	99.72	112.58	142.54	97.30	155.54
22/04/2024 00:34:50	236.60	84.69	171.59	281.88	99.83	112.59	142.37	97.35	155.45
22/04/2024 00:35:23	237.32	85.08	172.36	282.61	100.48	113.02	142.65	97.94	155.70
22/04/2024 00:35:57	237.22	84.93	172.00	282.70	100.37	113.36	142.20	98.05	155.32
22/04/2024 00:36:30	237.43	84.99	172.22	282.81	100.45	112.77	142.01	97.92	155.33
22/04/2024 00:37:04	238.38	85.90	172.95	283.99	101.00	114.05	141.59	98.65	154.72
22/04/2024 00:37:37	238.20	85.59	172.91	283.69	101.10	113.82	141.81	98.59	154.81
22/04/2024 00:38:10	238.30	84.21	172.89	283.91	101.30	113.09	140.97	98.72	154.38
22/04/2024 00:38:44	239.51	84.79	173.31	285.50	100.78	112.11	141.18	97.91	154.44
22/04/2024 00:39:17	240.32	86.48	174.97	286.64	102.39	113.62	141.26	99.35	154.50
22/04/2024 00:39:51	240.40	86.92	174.60	285.98	101.19	112.32	141.54	98.42	154.66
22/04/2024 00:40:24	241.28	87.04	174.92	287.22	101.25	111.66	141.66	98.49	154.83
22/04/2024 00:40:57	240.42	86.91	174.89	285.68	101.94	111.42	141.31	98.86	154.59
22/04/2024 00:41:31	240.52	86.77	175.24	285.47	102.73	110.46	140.88	99.14	154.18
22/04/2024 00:42:04	240.94	88.05	175.68	285.88	101.75	110.87	141.14	99.30	154.52
22/04/2024 00:42:38	242.12	88.31	176.79	287.06	101.94	111.55	141.71	99.36	155.16
22/04/2024 00:43:11	242.51	89.38	177.18	287.47	102.15	112.05	141.99	99.22	155.39
22/04/2024 00:43:45	243.47	89.28	178.51	288.00	102.23	111.92	141.59	99.18	154.95
22/04/2024 00:44:18	243.16	89.20	177.66	288.22	101.97	112.38	142.21	98.93	155.60
22/04/2024 00:44:51	243.92	89.60	178.55	288.86	101.82	112.95	142.53	98.82	156.01
22/04/2024 00:45:25	245.57	90.35	180.90	289.78	102.56	113.41	142.93	99.68	156.47
22/04/2024 00:45:58	246.00	90.43	181.54	290.00	102.45	113.53	143.05	99.66	156.42
22/04/2024 00:46:32	245.66	90.76	180.83	290.01	102.80	113.44	143.19	99.88	156.74
22/04/2024 00:47:05	247.32	91.59	182.57	291.56	103.42	114.72	143.86	100.56	157.20
22/04/2024 00:47:38	247.19	91.72	182.97	290.87	103.82	113.49	142.79	100.74	156.15
22/04/2024 00:48:12	247.67	91.05	182.77	291.95	103.81	113.95	142.77	100.74	154.74
22/04/2024 00:48:45	247.57	91.27	182.57	291.87	104.19	113.31	142.53	100.97	155.50
22/04/2024 00:49:19	247.48	91.87	182.80	291.55	105.04	113.68	143.02	101.87	155.93
22/04/2024 00:49:52	247.39	92.31	182.41	291.78	105.45	114.30	142.93	102.27	155.52
22/04/2024 00:50:26	247.96	90.11	182.88	292.46	104.71	115.08	143.58	101.73	155.73
22/04/2024 00:50:59	248.80	93.04	183.28	293.48	104.78	113.72	142.06	101.63	154.96
22/04/2024 00:51:33	249.53	93.85	183.73	294.32	104.75	112.88	142.07	101.46	155.11
22/04/2024 00:52:06	249.83	94.04	183.84	294.75	105.27	112.97	142.01	101.93	155.15
22/04/2024 00:52:39	250.44	93.83	184.12	295.62	105.04	113.15	142.44	101.77	155.58
22/04/2024 00:53:13	251.02	94.08	184.62	296.24	105.63	113.42	142.50	102.37	155.57
22/04/2024 00:53:46	251.61	93.93	185.25	296.77	106.25	113.75	142.66	103.18	155.61
22/04/2024 00:54:19	251.80	94.18	184.93	297.42	105.99	113.99	142.88	102.94	156.01
22/04/2024 00:54:53	253.00	94.37	186.45	298.24	105.07	114.23	142.84	102.01	155.68
22/04/2024 00:55:26	253.50	94.49	187.28	298.43	104.57	114.38	144.01	101.51	157.59
22/04/2024 00:56:00	254.23	94.87	188.33	298.80	105.13	114.38	143.29	102.01	156.44

22/04/2024 00:56:33	256.37	95.18	191.97	299.43	106.18	114.61	143.50	103.18	156.44
22/04/2024 00:57:07	256.49	95.36	191.57	300.05	106.74	114.98	143.48	103.80	156.61
22/04/2024 00:57:40	257.56	96.02	192.32	301.25	105.73	114.51	143.50	102.63	156.65
22/04/2024 00:58:13	258.02	96.12	192.38	301.97	105.98	113.96	143.48	102.75	156.83
22/04/2024 00:58:47	257.89	95.91	192.32	301.85	106.20	114.65	144.00	103.02	157.27
22/04/2024 00:59:20	258.07	96.80	192.24	302.24	106.27	114.61	144.10	103.05	157.56
22/04/2024 00:59:54	258.78	96.80	192.31	303.41	106.34	114.26	143.86	103.13	157.33
22/04/2024 01:00:27	259.18	97.39	192.37	304.08	106.61	114.35	143.92	103.43	157.42
22/04/2024 01:01:01	259.30	97.97	192.31	304.35	107.10	114.25	143.76	103.80	157.48
22/04/2024 01:01:34	259.93	98.23	192.59	305.21	107.33	114.35	143.80	104.13	157.74
22/04/2024 01:02:08	260.99	99.38	193.57	306.32	107.63	115.09	144.02	104.78	157.78
22/04/2024 01:02:41	261.93	99.62	194.84	306.92	108.46	115.43	144.09	105.68	157.73
22/04/2024 01:03:15	262.69	101.83	194.96	308.12	107.69	114.87	143.41	104.59	156.67
22/04/2024 01:03:48	263.69	103.60	196.03	308.98	108.56	114.98	143.30	105.39	156.09
22/04/2024 01:04:21	263.78	104.75	196.45	308.84	109.90	115.73	143.78	107.03	157.05
22/04/2024 01:04:55	265.36	105.75	197.50	310.62	107.82	114.64	143.52	104.34	156.91
22/04/2024 01:05:28	266.30	106.49	197.83	312.00	103.82	114.57	143.90	100.95	157.36
22/04/2024 01:06:02	267.46	107.23	199.51	312.60	106.71	114.65	143.97	103.80	157.57
22/04/2024 01:06:35	268.38	107.23	200.04	313.82	107.22	115.16	144.70	104.40	158.55
22/04/2024 01:07:09	268.62	107.42	200.63	313.74	107.22	115.17	144.47	104.30	156.89
22/04/2024 01:07:42	269.57	107.71	201.59	314.67	108.19	115.69	144.97	105.37	156.84
22/04/2024 01:08:15	269.68	107.74	201.68	314.80	107.87	116.19	145.19	105.01	157.48
22/04/2024 01:08:49	270.51	107.27	202.90	315.25	108.01	116.49	145.31	105.22	157.69
22/04/2024 01:09:22	270.89	108.14	203.44	315.36	107.66	115.59	143.58	104.53	156.82
22/04/2024 01:09:56	271.21	108.82	203.39	315.91	108.10	114.84	144.23	104.61	157.76
22/04/2024 01:10:29	272.52	110.46	205.52	316.57	109.47	116.94	145.10	106.66	158.69
22/04/2024 01:11:02	273.34	111.10	206.44	317.06	109.20	115.15	144.83	105.38	158.59
22/04/2024 01:11:36	274.46	111.80	207.62	317.96	109.49	114.55	143.68	105.39	159.36
22/04/2024 01:12:09	275.63	111.91	209.09	318.78	109.66	114.73	144.20	105.61	160.13
22/04/2024 01:12:43	275.75	111.62	209.09	319.00	109.83	114.69	143.93	105.66	160.13
22/04/2024 01:13:16	276.21	111.64	209.47	319.50	110.14	114.94	144.04	105.83	160.27
22/04/2024 01:13:49	276.95	112.10	210.26	320.14	110.37	115.12	144.10	105.97	160.84
22/04/2024 01:14:23	277.55	111.71	210.93	320.63	110.39	115.22	144.51	105.90	161.16
22/04/2024 01:14:56	278.37	111.95	211.81	321.37	110.84	115.64	144.63	106.28	160.90
22/04/2024 01:15:30	278.59	111.77	212.14	321.48	111.24	115.86	144.93	106.51	161.78
22/04/2024 01:16:03	279.13	110.88	212.77	321.93	111.32	116.22	145.33	106.77	161.99
22/04/2024 01:16:37	279.35	111.15	213.15	322.01	111.56	116.44	145.50	107.07	161.94
22/04/2024 01:17:10	279.41	111.16	213.37	321.95	111.73	116.60	145.16	107.34	161.84
22/04/2024 01:17:44	279.87	111.78	213.91	322.31	112.23	116.84	144.48	107.80	161.17
22/04/2024 01:18:17	279.56	112.95	213.39	322.21	112.18	116.84	145.38	107.67	163.12
22/04/2024 01:18:50	280.22	114.50	214.06	322.82	113.10	117.05	145.14	108.41	161.92
22/04/2024 01:19:24	280.93	115.10	215.00	323.18	113.16	116.21	145.09	106.91	162.43
22/04/2024 01:19:57	281.45	117.42	215.25	323.97	112.43	117.08	145.76	108.23	163.42

22/04/2024 01:20:31	283.28	118.33	215.83	326.73	113.33	117.04	146.58	109.01	164.56
22/04/2024 01:21:04	284.49	119.06	215.14	329.51	113.34	117.25	145.07	108.96	164.22
22/04/2024 01:21:37	282.30	118.78	211.37	328.88	113.80	117.01	144.00	109.34	163.59
22/04/2024 01:22:11	284.09	119.57	214.28	329.51	114.20	116.87	144.32	109.68	164.10
22/04/2024 01:22:44	284.37	119.75	214.29	330.00	114.91	116.91	144.49	110.30	164.41
22/04/2024 01:23:17	285.23	120.06	215.20	330.78	115.98	117.21	145.24	111.30	165.33
22/04/2024 01:23:51	285.58	120.09	215.37	331.27	116.14	117.39	145.57	111.64	165.91
22/04/2024 01:24:24	286.19	120.25	215.68	332.04	116.69	116.91	145.34	112.35	165.08
22/04/2024 01:24:58	286.29	120.42	216.09	331.86	117.08	116.97	145.20	112.89	165.05
22/04/2024 01:25:31	286.34	121.34	217.39	330.85	117.18	117.54	146.02	113.35	166.46
22/04/2024 01:26:05	286.57	121.73	217.96	330.82	117.73	118.01	146.71	113.51	167.92
22/04/2024 01:26:38	288.22	120.60	218.07	333.65	117.14	117.93	147.00	113.05	169.38
22/04/2024 01:27:12	288.13	122.74	218.48	333.12	117.60	117.84	146.66	112.88	170.03
22/04/2024 01:27:45	290.67	126.15	219.91	336.42	117.99	118.03	146.96	113.76	169.09
22/04/2024 01:28:18	291.55	124.59	220.19	337.77	116.62	118.33	146.02	113.87	168.97
22/04/2024 01:28:52	292.52	126.94	221.54	338.35	116.14	118.69	146.97	114.49	169.89
22/04/2024 01:29:25	294.07	127.48	223.22	339.64	116.19	118.73	146.73	114.05	170.26
22/04/2024 01:29:59	294.44	127.38	222.85	340.63	116.40	118.77	147.06	114.06	170.59
22/04/2024 01:30:32	294.08	128.34	219.38	343.03	116.17	118.84	148.82	113.90	172.96
22/04/2024 01:31:06	296.12	128.17	222.07	344.25	115.94	118.18	144.69	113.73	171.27
22/04/2024 01:31:39	297.15	128.93	223.41	344.96	116.77	118.85	144.48	114.66	171.53
22/04/2024 01:32:12	298.72	129.90	225.84	345.54	115.69	117.82	145.32	112.70	172.53
22/04/2024 01:32:46	299.48	129.58	226.17	346.60	116.39	117.69	145.94	113.82	172.23
22/04/2024 01:33:19	299.58	129.69	226.40	346.61	117.07	118.04	145.68	114.08	171.98
22/04/2024 01:33:53	301.24	130.80	227.80	348.40	120.32	118.66	146.15	117.86	172.73
22/04/2024 01:34:26	301.13	131.76	228.03	347.99	117.59	118.58	146.79	114.75	173.92
22/04/2024 01:35:00	300.69	131.75	224.73	350.21	119.10	119.72	147.26	116.54	173.68
22/04/2024 01:35:33	301.25	131.07	225.40	350.65	119.51	120.08	147.74	116.90	174.80
22/04/2024 01:36:06	301.24	130.49	225.24	350.82	119.54	120.54	148.28	117.15	176.69
22/04/2024 01:36:40	303.09	131.36	226.23	353.42	120.17	122.30	149.19	117.92	177.31
22/04/2024 01:37:13	303.96	131.83	227.01	354.23	120.64	121.31	149.24	117.98	177.40
22/04/2024 01:37:47	304.96	132.37	227.08	355.82	120.81	120.42	148.67	117.77	178.53
22/04/2024 01:38:20	305.74	132.96	228.24	358.01	121.78	120.95	150.80	118.65	180.24
22/04/2024 01:38:54	304.82	133.31	226.70	356.00	121.40	121.36	149.51	118.18	180.01
22/04/2024 01:39:27	304.19	133.90	227.01	354.57	121.71	121.03	148.85	118.22	180.91
22/04/2024 01:40:00	304.28	133.87	226.70	355.14	121.83	122.55	148.58	118.52	180.86
22/04/2024 01:40:34	304.37	134.45	226.79	355.31	122.24	123.41	145.96	118.96	178.98
22/04/2024 01:41:07	305.43	134.94	227.56	356.69	123.14	125.22	147.63	120.02	180.92
22/04/2024 01:41:41	305.95	135.62	227.82	357.52	123.22	126.63	148.37	120.35	181.74
22/04/2024 01:42:14	305.30	136.13	227.87	358.37	123.25	127.13	148.55	120.42	182.14
22/04/2024 01:42:48	306.34	136.82	228.44	357.71	123.57	126.94	148.95	120.66	183.40
22/04/2024 01:43:21	308.21	137.89	229.31	360.38	123.86	128.00	149.40	121.08	183.87
22/04/2024 01:43:54	309.29	138.38	230.35	361.43	124.33	128.41	149.59	121.46	183.01

22/04/2024 01:44:28	310.55	139.36	231.16	363.02	124.48	129.14	150.06	121.70	182.94
22/04/2024 01:45:01	311.94	140.45	231.70	365.23	125.13	131.10	151.06	122.13	183.40
22/04/2024 01:45:35	312.71	141.01	232.08	366.37	126.24	132.26	152.14	123.18	183.92
22/04/2024 01:46:08	312.19	142.00	230.72	366.66	126.25	132.55	152.78	122.84	183.91
22/04/2024 01:46:42	312.76	143.52	230.82	367.68	126.52	133.19	150.76	122.63	181.50
22/04/2024 01:47:15	313.68	144.65	231.54	368.66	126.82	133.34	150.59	122.81	182.47
22/04/2024 01:47:48	313.44	142.95	231.85	367.91	127.09	132.65	152.80	122.96	182.45
22/04/2024 01:48:22	313.69	142.50	231.47	368.71	126.89	132.93	151.45	122.83	180.59
22/04/2024 01:48:55	313.95	142.55	231.96	368.72	127.74	132.76	152.90	123.16	181.61
22/04/2024 01:49:29	314.78	142.82	232.79	369.54	128.45	133.51	154.61	123.96	183.42
22/04/2024 01:50:02	314.47	144.08	233.35	368.64	129.26	135.02	155.22	124.77	183.46
22/04/2024 01:50:36	314.83	143.57	233.86	368.79	129.06	134.48	158.58	124.65	184.83
22/04/2024 01:51:09	315.78	143.93	235.01	369.43	130.23	133.83	158.87	125.39	184.61
22/04/2024 01:51:43	313.80	144.07	234.27	366.55	129.44	133.95	158.59	125.01	183.27
22/04/2024 01:52:16	315.19	144.44	234.55	368.79	129.42	134.10	159.52	125.05	185.09
22/04/2024 01:52:49	315.64	144.83	235.21	369.04	129.58	134.43	159.58	125.15	184.41
22/04/2024 01:53:23	316.13	145.22	235.80	380.34	130.48	133.73	159.01	125.81	183.95
22/04/2024 01:53:56	318.35	145.62	234.67	370.88	130.95	135.16	159.64	126.50	184.73
22/04/2024 01:54:30	315.52	145.77	231.20	372.56	133.44	136.57	160.84	129.35	185.63
22/04/2024 01:55:03	316.58	145.80	234.24	371.82	135.80	136.87	161.14	132.18	185.42
22/04/2024 01:55:36	317.38	147.05	235.54	372.08	132.97	136.78	161.94	128.76	185.54
22/04/2024 01:56:10	318.49	146.92	234.99	374.60	133.83	137.34	160.37	129.69	184.80
22/04/2024 01:56:43	318.54	147.09	235.57	374.15	132.41	137.11	160.87	128.05	185.70
22/04/2024 01:57:17	319.18	147.16	235.83	375.14	134.81	138.33	160.23	131.07	184.29
22/04/2024 01:57:50	318.26	147.32	235.67	373.65	135.06	137.90	160.21	131.09	185.10
22/04/2024 01:58:24	318.78	147.09	236.84	373.54	135.13	137.85	159.97	131.61	185.27
22/04/2024 01:58:57	319.28	147.57	235.55	375.70	136.34	139.29	159.98	132.78	185.37
22/04/2024 01:59:30	319.99	147.70	239.09	373.68	135.16	137.47	159.53	131.16	185.09
22/04/2024 02:00:04	321.17	147.37	240.65	374.56	138.13	138.97	158.37	132.55	184.21
22/04/2024 02:00:37	322.73	148.15	242.48	375.75	138.16	138.95	158.85	132.58	185.11
22/04/2024 02:01:11	323.04	148.64	243.12	375.57	135.82	137.17	157.64	131.78	184.43
22/04/2024 02:01:44	323.74	148.49	243.35	376.40	136.70	134.85	156.95	132.18	182.29
22/04/2024 02:02:18	324.41	148.25	243.90	377.22	137.58	136.01	157.04	133.33	182.60
22/04/2024 02:02:51	324.82	148.23	244.00	377.83	137.37	135.69	157.20	133.17	184.12
22/04/2024 02:03:24	325.38	150.26	244.37	378.52	137.60	135.79	156.73	133.35	183.33
22/04/2024 02:03:58	325.51	152.25	244.23	378.92	137.79	138.30	156.41	133.80	182.91
22/04/2024 02:04:31	326.37	154.85	244.70	380.15	138.95	137.59	158.65	134.89	185.51
22/04/2024 02:05:05	326.45	154.97	244.55	380.39	138.73	137.15	158.15	134.62	184.93
22/04/2024 02:05:38	327.13	153.47	244.87	381.40	139.41	137.88	159.14	135.35	186.95
22/04/2024 02:06:11	327.54	153.96	245.32	381.79	139.68	138.60	160.27	135.71	187.53
22/04/2024 02:06:45	328.68	153.36	246.60	382.80	140.09	139.71	160.91	136.43	187.69
22/04/2024 02:07:18	329.87	154.48	247.70	384.02	140.18	140.22	162.80	136.54	189.35
22/04/2024 02:07:52	331.69	156.01	248.68	386.42	140.42	140.41	165.15	136.84	191.98

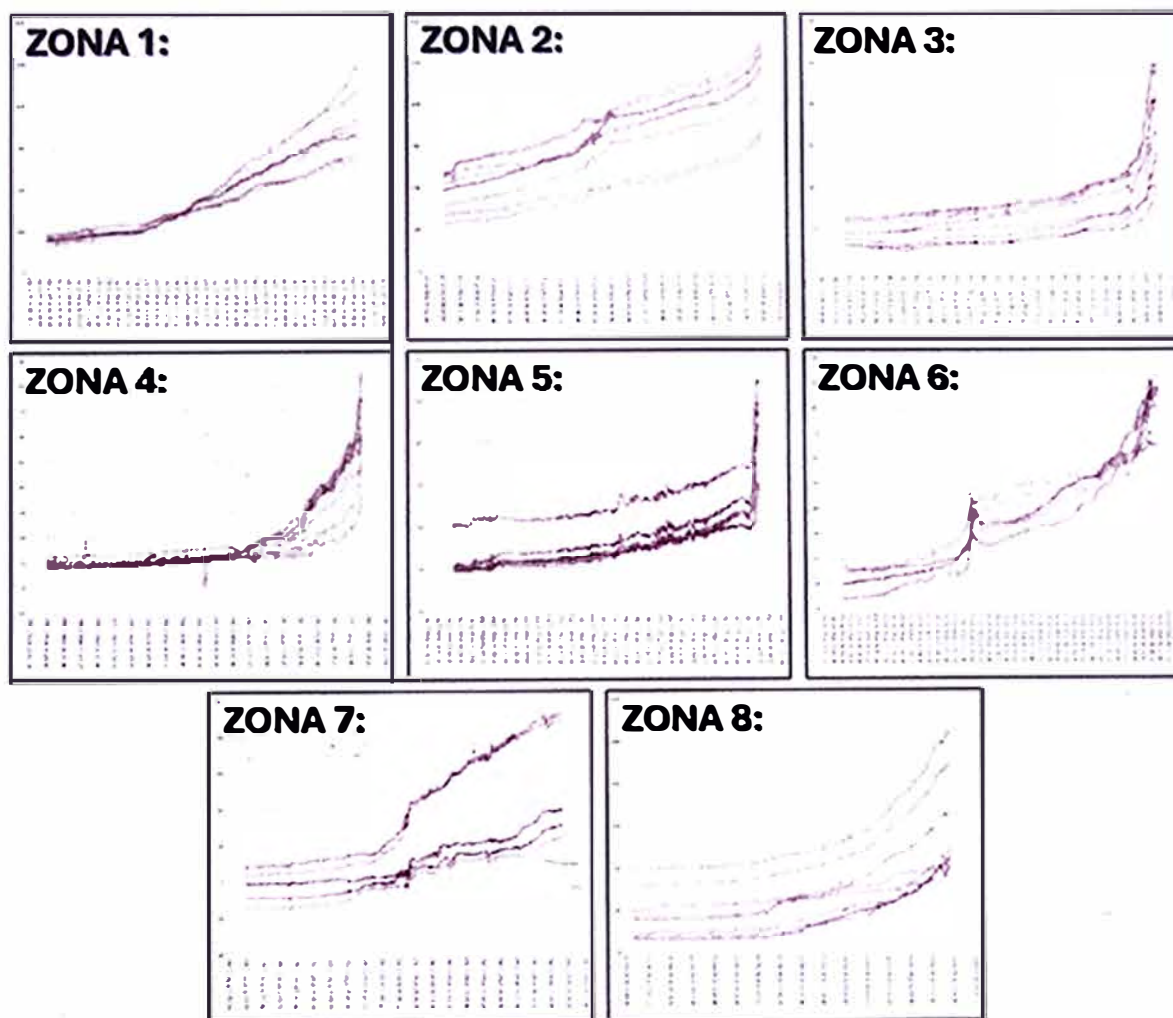
22/04/2024 02:08:25	329.86	156.86	247.58	384.08	139.20	139.95	163.41	135.72	192.23
22/04/2024 02:08:59	327.57	157.58	245.42	381.89	139.99	139.99	164.37	136.22	192.67
22/04/2024 02:09:32	328.55	158.05	246.63	382.63	140.67	140.51	164.62	136.85	192.66
22/04/2024 02:10:05	330.85	158.52	248.42	385.24	141.18	141.46	166.03	137.35	193.07
22/04/2024 02:10:39	333.80	160.78	251.81	387.39	140.57	139.89	163.39	136.48	192.62
22/04/2024 02:11:12	331.56	161.33	248.57	386.36	140.99	141.35	159.63	137.15	189.90
22/04/2024 02:11:46	330.84	161.23	245.74	387.57	141.62	141.48	160.65	137.48	190.47
22/04/2024 02:12:19	330.81	161.96	245.74	387.51	140.54	141.31	156.42	136.98	187.00
22/04/2024 02:12:53	331.47	161.96	245.35	388.97	141.39	140.80	153.13	137.36	184.96
22/04/2024 02:13:26	332.18	162.48	245.81	389.86	141.95	141.04	156.04	137.62	186.93
22/04/2024 02:13:59	333.59	162.06	247.15	391.28	141.90	141.83	156.79	137.64	187.09
22/04/2024 02:14:33	335.13	163.28	248.66	392.82	143.09	143.15	158.29	138.91	188.04
22/04/2024 02:15:06	335.56	163.62	248.99	393.19	142.58	142.08	158.91	138.50	188.18
22/04/2024 02:15:40	337.46	166.11	250.02	395.66	143.26	141.94	156.41	138.99	186.64
22/04/2024 02:16:13	339.49	167.84	250.34	399.05	144.36	142.32	155.57	139.93	186.43
22/04/2024 02:16:46	340.55	168.75	250.84	400.48	145.58	142.26	155.18	140.91	185.10
22/04/2024 02:17:20	340.90	168.20	251.37	400.68	145.68	142.67	155.61	141.03	186.59
22/04/2024 02:17:53	341.26	171.15	251.30	401.43	144.68	143.23	157.57	139.64	187.46
22/04/2024 02:18:27	341.07	170.23	250.80	401.38	145.77	141.52	160.42	140.83	189.12
22/04/2024 02:19:00	343.05	168.20	252.08	403.76	147.30	141.27	159.13	142.30	188.39
22/04/2024 02:19:33	341.44	167.93	251.97	400.82	148.62	139.29	159.40	141.41	188.84
22/04/2024 02:20:07	343.16	170.44	252.83	403.25	147.54	140.70	160.16	142.26	189.44
22/04/2024 02:20:40	343.79	168.80	253.23	404.01	147.50	140.43	160.43	142.30	189.39
22/04/2024 02:21:14	344.63	171.79	253.96	404.91	147.68	140.98	160.86	142.60	189.22
22/04/2024 02:21:47	346.08	172.79	255.19	406.52	148.72	141.99	158.78	143.48	188.08
22/04/2024 02:22:21	346.12	174.36	255.76	406.06	148.44	141.76	159.92	143.39	188.87
22/04/2024 02:22:54	347.00	175.22	256.97	406.58	148.62	141.95	157.90	143.57	186.90
22/04/2024 02:23:27	347.32	176.40	258.21	408.12	148.65	142.44	160.72	143.90	189.38
22/04/2024 02:24:01	348.64	176.68	259.68	407.24	149.01	143.07	161.56	144.73	190.18
22/04/2024 02:24:34	349.59	179.08	263.53	405.47	149.08	142.16	161.53	143.88	190.36
22/04/2024 02:25:08	351.40	178.36	265.91	406.75	150.19	143.68	163.49	145.33	192.33
22/04/2024 02:25:41	353.48	178.02	267.43	409.18	149.81	144.15	159.49	145.60	188.63
22/04/2024 02:26:15	355.03	178.49	269.13	410.50	151.63	144.73	159.82	147.80	189.09
22/04/2024 02:26:48	357.10	177.40	269.30	414.12	153.19	145.45	159.64	149.30	188.99
22/04/2024 02:27:22	357.68	177.57	268.94	415.62	155.44	146.98	160.51	152.09	189.61
22/04/2024 02:27:55	357.80	177.97	268.89	415.96	156.27	147.97	160.11	153.18	189.55
22/04/2024 02:28:28	359.00	178.90	270.06	417.13	153.30	148.56	160.02	150.00	189.01
22/04/2024 02:29:02	359.44	179.10	270.46	417.69	153.28	149.98	160.82	150.16	189.57
22/04/2024 02:29:35	359.15	179.43	269.72	417.92	153.64	151.09	160.44	150.59	189.20
22/04/2024 02:30:09	359.60	179.02	270.15	418.46	153.99	152.18	160.28	151.22	189.26
22/04/2024 02:30:42	360.16	179.22	270.62	419.11	154.60	152.95	161.46	151.80	190.59
22/04/2024 02:31:15	360.62	180.09	271.00	419.68	155.17	153.94	161.74	152.44	190.66
22/04/2024 02:31:49	361.09	179.28	271.49	420.16	155.70	154.58	162.53	153.10	191.25

22/04/2024 02:32:22	361.61	179.59	271.87	420.81	158.52	155.28	158.89	153.84	188.81
22/04/2024 02:32:56	362.71	180.90	272.73	422.17	157.60	156.81	159.08	154.95	189.20
22/04/2024 02:33:29	362.18	181.35	272.36	421.60	158.08	157.37	159.57	155.45	189.43
22/04/2024 02:34:03	363.22	182.42	273.08	422.98	159.08	159.10	160.48	158.67	190.04
22/04/2024 02:34:36	362.71	180.34	271.50	423.54	159.04	160.01	160.75	156.85	190.14
22/04/2024 02:35:10	360.79	180.74	271.69	419.99	159.39	160.41	160.52	157.13	189.92
22/04/2024 02:35:43	362.80	181.27	272.49	422.48	160.48	160.02	159.89	157.90	189.26
22/04/2024 02:36:16	363.28	182.40	273.30	423.06	161.56	160.91	160.32	159.03	189.72
22/04/2024 02:36:50	364.15	182.54	274.03	424.07	162.13	161.77	161.08	159.72	190.19
22/04/2024 02:37:23	363.63	182.50	274.31	422.90	162.56	161.91	160.39	160.03	189.66
22/04/2024 02:37:57	363.93	183.81	274.50	423.26	162.69	161.86	160.38	159.97	189.74
22/04/2024 02:38:30	362.17	183.75	273.01	421.34	162.60	160.68	159.63	159.68	189.20
22/04/2024 02:39:03	364.26	183.50	273.36	424.79	162.89	161.31	160.66	160.03	189.91
22/04/2024 02:39:37	366.09	184.39	273.77	427.65	163.68	160.71	160.19	160.52	189.60
22/04/2024 02:40:10	367.63	185.16	274.79	429.56	164.48	161.35	160.18	161.44	189.63
22/04/2024 02:40:44	369.49	186.19	276.82	431.02	165.66	160.54	159.26	162.17	188.92
22/04/2024 02:41:17	370.52	189.15	278.59	431.44	165.68	162.13	161.10	162.03	190.23
22/04/2024 02:41:51	368.74	187.85	275.06	431.44	165.04	162.81	157.99	161.92	188.07
22/04/2024 02:42:24	370.15	188.84	276.38	432.87	166.11	163.56	158.76	162.44	188.85
22/04/2024 02:42:57	371.69	191.54	277.55	434.74	166.10	165.32	159.14	163.42	189.06
22/04/2024 02:43:31	374.57	194.65	280.91	437.13	168.53	167.29	160.18	165.25	189.48
22/04/2024 02:44:04	373.47	191.58	279.81	436.25	169.63	168.68	160.37	167.86	189.82
22/04/2024 02:44:38	375.55	193.30	281.93	438.15	169.91	169.18	161.25	167.40	190.25
22/04/2024 02:45:11	376.42	194.11	281.41	440.35	172.31	171.18	162.86	170.47	190.88
22/04/2024 02:45:45	378.22	195.51	283.31	441.89	171.58	171.14	166.96	169.24	193.33
22/04/2024 02:46:18	379.93	197.04	284.77	443.61	172.61	170.64	168.51	169.87	194.41
22/04/2024 02:46:52	380.81	195.39	283.63	446.15	172.80	170.35	169.46	169.90	195.23
22/04/2024 02:47:25	383.30	197.57	285.48	448.98	172.45	170.49	169.10	169.49	195.23
22/04/2024 02:47:58	384.73	199.05	286.49	450.65	172.66	170.57	169.07	169.75	195.12
22/04/2024 02:48:32	385.33	197.87	287.93	450.60	173.84	172.11	168.63	170.91	194.78
22/04/2024 02:49:06	387.47	197.67	289.87	453.03	175.60	175.38	167.69	172.87	194.10
22/04/2024 02:49:39	389.41	197.63	292.33	454.47	176.14	176.97	168.05	174.07	194.32
22/04/2024 02:50:12	387.57	198.00	287.97	455.09	175.59	177.85	168.19	173.34	194.47
22/04/2024 02:50:46	387.50	199.79	285.63	457.10	175.52	178.86	169.05	173.23	194.96
22/04/2024 02:51:19	390.28	200.26	287.80	459.95	177.17	176.52	165.75	174.34	192.75
22/04/2024 02:51:52	392.69	201.66	289.35	463.05	179.06	178.26	167.51	176.42	194.11
22/04/2024 02:52:26	393.30	201.45	288.87	464.57	180.54	178.36	168.14	177.54	194.37
22/04/2024 02:52:59	393.53	200.75	289.37	464.63	180.02	179.43	166.03	178.08	192.96
22/04/2024 02:53:33	393.05	199.17	287.84	465.23	180.85	180.53	167.10	179.08	193.87
22/04/2024 02:54:06	393.04	198.84	288.80	464.35	181.68	180.41	166.91	179.80	193.64
22/04/2024 02:54:39	392.90	198.76	285.47	467.03	184.28	180.46	166.47	182.45	193.33
22/04/2024 02:55:13	394.54	198.60	286.62	469.03	184.93	181.31	168.04	183.23	194.45
22/04/2024 02:55:46	396.42	199.20	288.16	471.01	186.13	181.21	165.69	184.38	192.67

22/04/2024 02:56:20	398.58	199.94	289.58	473.74	187.07	182.43	166.58	185.52	193.63
22/04/2024 02:56:53	398.37	200.86	288.97	470.28	186.71	181.99	166.75	184.92	193.51
22/04/2024 02:57:27	398.07	203.13	290.10	472.29	187.24	181.49	165.94	185.15	192.98
22/04/2024 02:58:00	401.23	204.63	292.71	475.58	188.14	180.95	164.97	185.76	192.45
22/04/2024 02:58:34	404.67	205.11	295.11	478.62	186.72	179.78	164.44	184.53	192.08
22/04/2024 02:59:07	407.88	204.75	300.06	480.93	188.53	180.31	165.32	185.81	192.82
22/04/2024 02:59:40	410.42	207.34	302.30	483.62	190.48	181.64	164.50	187.58	192.03
22/04/2024 03:00:14	411.47	209.03	302.58	485.03	190.77	179.10	164.71	187.59	192.49
22/04/2024 03:00:47	411.98	209.48	303.54	485.17	192.46	179.96	165.38	189.27	192.82
22/04/2024 03:01:21	414.10	211.43	305.09	487.67	193.85	180.90	165.45	190.68	192.79
22/04/2024 03:01:54	415.38	211.30	305.86	489.32	194.49	181.40	166.28	191.31	193.38
22/04/2024 03:02:27	413.31	213.23	305.53	485.92	194.94	181.28	165.49	191.57	192.75
22/04/2024 03:03:01	415.41	213.04	306.86	488.45	195.35	180.91	165.49	191.55	193.04
22/04/2024 03:03:34	416.51	214.21	308.02	489.49	196.07	181.82	165.58	192.28	192.79
22/04/2024 03:04:08	417.94	214.27	309.43	490.86	197.05	182.52	165.41	193.05	192.80
22/04/2024 03:04:41	418.81	215.98	310.84	491.14	198.69	182.14	165.33	193.58	192.85
22/04/2024 03:05:15	419.89	217.60	311.56	492.34	201.61	181.02	165.27	196.31	192.83
22/04/2024 03:05:48	421.62	218.53	313.03	494.50	202.42	181.17	165.30	197.08	192.45
22/04/2024 03:06:22	423.49	218.80	314.21	496.50	203.18	181.76	165.74	197.81	193.07
22/04/2024 03:06:55	425.18	219.47	315.88	498.11	204.45	182.35	166.37	198.79	193.40
22/04/2024 03:07:28	427.71	220.64	318.48	500.32	202.68	182.15	163.26	198.16	191.74
22/04/2024 03:08:02	425.63	221.59	318.40	496.73	204.81	182.89	166.70	198.51	193.47
22/04/2024 03:08:35	425.38	222.70	317.12	497.42	205.72	182.87	166.14	199.53	193.33
22/04/2024 03:09:09	427.38	224.19	317.91	500.42	202.70	184.27	165.88	196.24	193.32
22/04/2024 03:09:42	425.02	221.55	316.07	497.64	199.00	182.23	167.15	192.91	194.12
22/04/2024 03:10:16	424.76	224.36	316.09	497.17	200.70	182.34	165.68	194.17	192.66
22/04/2024 03:10:49	424.09	221.84	317.02	495.20	204.04	182.88	167.67	197.63	194.54
22/04/2024 03:11:22	422.37	222.00	317.80	491.37	204.27	181.89	168.10	197.74	193.09
22/04/2024 03:11:56	421.91	222.07	317.87	490.58	205.76	182.75	166.44	199.10	193.29
22/04/2024 03:12:29	425.06	222.99	321.17	493.35	207.21	183.24	165.42	200.26	192.51
22/04/2024 03:13:03	423.86	222.87	321.69	490.67	208.30	182.42	165.79	200.39	193.06
22/04/2024 03:13:36	424.98	223.60	322.27	492.30	210.21	183.97	167.66	201.61	194.48
22/04/2024 03:14:10	426.39	222.88	323.68	493.88	211.83	184.98	165.45	204.18	192.55
22/04/2024 03:14:43	429.84	224.43	326.29	497.39	213.79	183.39	166.15	205.82	193.30
22/04/2024 03:15:17	426.27	225.82	323.54	493.26	213.80	181.51	170.32	205.24	195.58
22/04/2024 03:15:50	427.20	226.99	325.81	493.12	216.26	183.41	174.33	207.84	198.25
22/04/2024 03:16:23	429.49	226.61	326.88	496.26	216.98	183.53	173.90	208.55	197.90
22/04/2024 03:16:57	428.93	227.96	323.17	498.63	218.83	184.73	175.78	209.94	199.05
22/04/2024 03:17:30	427.44	228.50	324.42	494.62	217.35	181.99	172.05	207.32	198.51
22/04/2024 03:18:04	426.53	228.26	320.13	496.85	214.74	182.91	174.78	204.71	198.44
22/04/2024 03:18:37	430.04	231.97	323.71	500.26	216.01	186.11	177.88	206.31	199.96
22/04/2024 03:19:10	431.94	233.45	324.43	503.29	216.60	189.15	181.80	207.57	207.90
22/04/2024 03:19:44	429.13	232.67	322.71	499.76	216.90	188.79	178.07	207.93	200.28

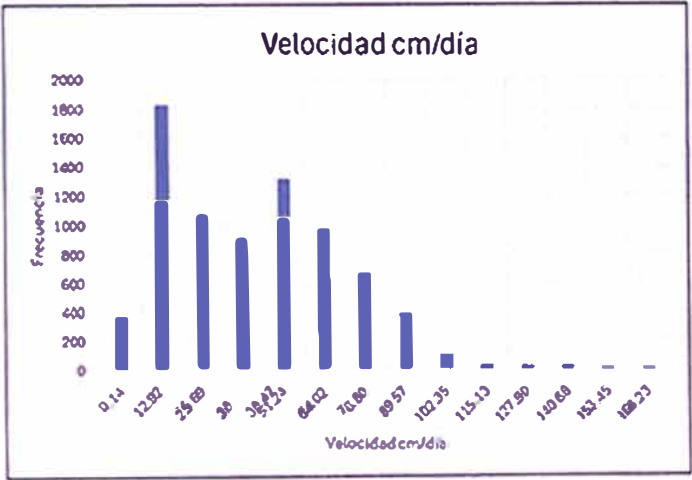
22/04/2024 03:20:17	431.99	234.74	325.17	502.97	218.87	191.67	181.58	210.33	202.69
22/04/2024 03:20:51	431.40	232.87	321.32	505.29	218.05	191.58	182.94	209.67	203.31
22/04/2024 03:21:24	432.12	234.15	323.87	504.38	218.15	192.05	182.76	209.67	203.11
22/04/2024 03:21:58	434.51	234.93	324.30	507.98	218.94	189.00	186.55	209.65	204.41
22/04/2024 03:22:31	434.78	234.04	320.67	511.92	219.66	192.02	188.69	212.08	206.82
22/04/2024 03:23:05	436.56	234.38	322.30	513.76	220.25	192.94	191.47	212.01	208.14
22/04/2024 03:23:38	438.52	235.53	324.85	515.29	217.63	195.84	192.46	210.07	208.44
22/04/2024 03:24:12	442.20	236.78	328.12	519.29	219.68	199.13	188.12	212.92	208.18
22/04/2024 03:24:45	443.47	238.73	329.49	520.45	220.86	200.13	190.25	213.66	207.81
22/04/2024 03:25:18	442.62	239.81	329.40	518.87	223.58	198.71	189.28	215.84	207.60
22/04/2024 03:25:52	442.19	239.67	332.43	515.58	226.58	200.03	192.94	219.07	209.54
22/04/2024 03:26:25	444.88	239.21	334.18	518.59	226.71	197.47	196.88	219.15	212.02
22/04/2024 03:26:59	447.77	242.07	337.46	521.03	228.79	199.06	199.48	220.56	213.26
22/04/2024 03:27:32	448.50	240.25	341.55	518.47	226.89	198.10	198.69	216.89	212.63
22/04/2024 03:28:05	449.69	238.28	343.57	519.02	229.31	198.13	199.46	219.17	213.54
22/04/2024 03:28:39	447.49	240.93	341.86	516.28	225.51	194.95	199.13	215.61	212.65

Anexo 6: Análisis estadístico de las zonas de estudio



ZONA 1:

PROMEDIO	42.32
DESVIACIÓN ESTÁNDAR	28.15
	70.47
	98.61
Máximo	172.62
Mínimo	-6.25



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	172.62		
Minimo	-6.25		
Promedio	42.32	Des Std	28.15
Datos	7749		
Intervalos	14.00		
Rango	178.87		
Ancho de Rango	12.78		

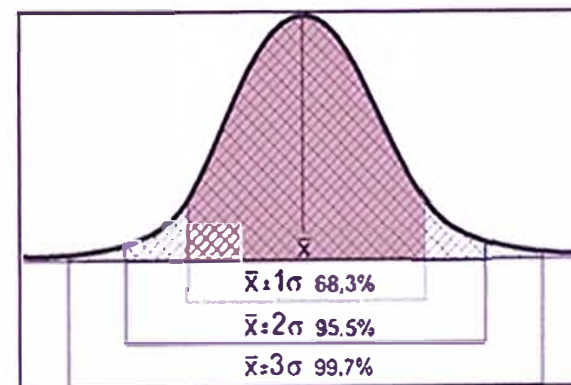
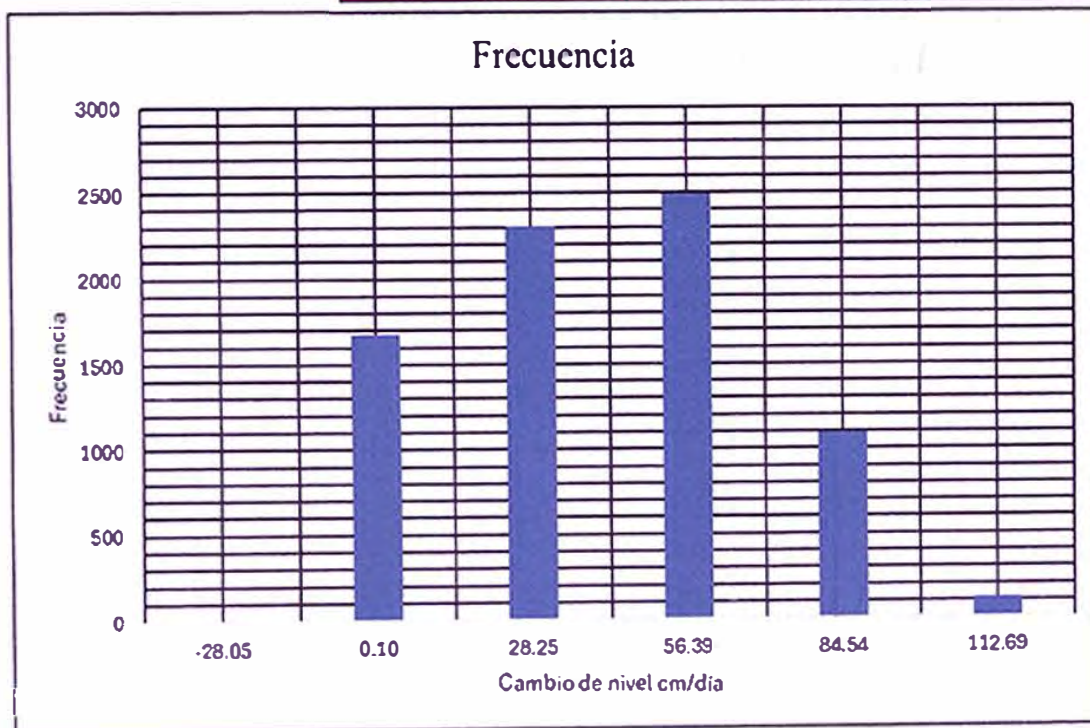
Intervalo	Li	Ls	Marea de Clase	Frecuencia	Relativa
1	-6.25	6.53	0.14	362	4.67%
2	6.53	19.30	12.92	1829	23.60%
3	19.30	32.08	25.69	1078	13.91%
4	32.08	44.86	38.47	910	11.74%
5	44.86	57.63	51.24	1317	17.00%
6	57.63	70.41	64.02	971	12.53%
7	70.41	83.18	76.80	673	8.68%
8	83.18	95.96	89.57	388	5.01%
9	95.96	108.74	102.35	106	1.37%
10	108.74	121.51	115.13	31	0.40%
11	121.51	134.29	127.90	27	0.35%
12	134.29	147.07	140.68	28	0.36%
13	147.07	159.84	153.45	15	0.19%
14	159.84	172.62	166.23	13	0.17%
Total				7749	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 1, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 1:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-42.12	-13.97	14.17	42.32	70.47	98.61	126.76
-42.12	-13.97	14.17	42.32	70.47	98.61	126.76

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-42.12	-13.97	-28.05	0	0.00%	0.00%
-13.97	14.17	0.10	1675	21.82%	21.82%
14.17	42.32	28.25	2304	30.02%	51.84%
42.32	70.47	56.39	2493	32.48%	84.33%
70.47	98.61	84.54	1092	14.23%	98.55%
98.61	126.76	112.69	111	1.45%	100.00%
			7675		

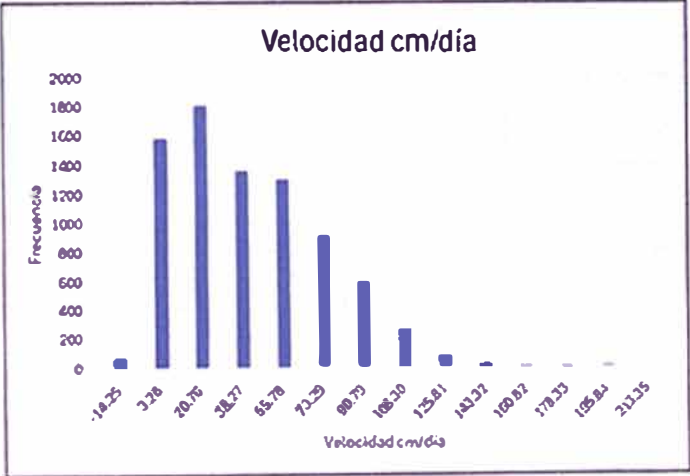


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 1, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 1:

PROMEDIO	41.97
DESVIACIÓN ESTÁNDAR	32.54
	74.51
	107.04
Máximo	222.10
Mínimo	-23.00



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	222.10		
Minimo	-23.00		
Promedio	41.97	Des Std	32.54
Datos	8028		
Intervalos	14.00		
Rango	245.10		
Ancho de Rango	17.51		

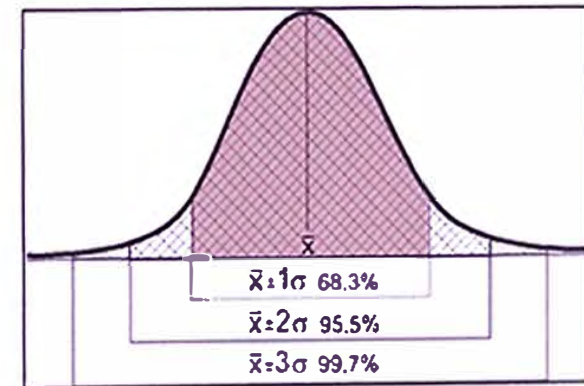
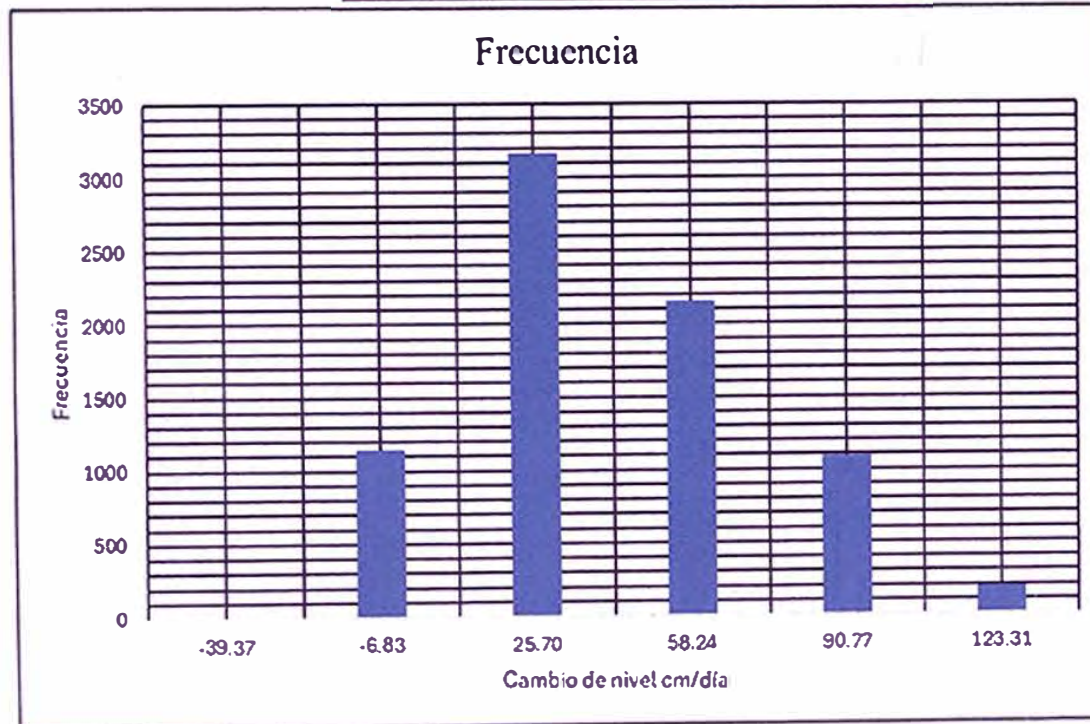
Intervalo	Li	LS	Marea de Clase	Frecuencia	Relativa
1	-23.00	-5.50	-14.25	77	0.96%
2	-5.50	12.01	3.26	1578	19.66%
3	12.01	29.52	20.76	1806	22.50%
4	29.52	47.03	38.27	1359	16.93%
5	47.03	64.53	55.78	1296	16.14%
6	64.53	82.04	73.29	912	11.36%
7	82.04	99.55	90.79	587	7.31%
8	99.55	117.06	108.30	263	3.28%
9	117.06	134.56	125.81	81	1.01%
10	134.56	152.07	143.32	32	0.40%
11	152.07	169.58	160.82	11	0.14%
12	169.58	187.08	178.33	12	0.15%
13	187.08	204.59	195.84	9	0.11%
14	204.59	222.10	213.35	5	0.06%
Total				8028	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 1, para un periodo de tiempo de 30 minutos.

ZONA 1:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-55.63	-23.10	9.44	41.97	74.51	107.04	139.58
-55.63	-23.10	9.44	41.97	74.51	107.04	139.58

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-55.63	-23.10	-39.37	0	0.00%	0.00%
-23.10	9.44	-6.83	1144	14.81%	14.81%
9.44	41.97	25.70	3162	40.93%	55.74%
41.97	74.51	58.24	2147	27.79%	83.53%
74.51	107.04	90.77	1087	14.07%	97.61%
107.04	139.58	123.31	185	2.39%	100.00%
			7725		

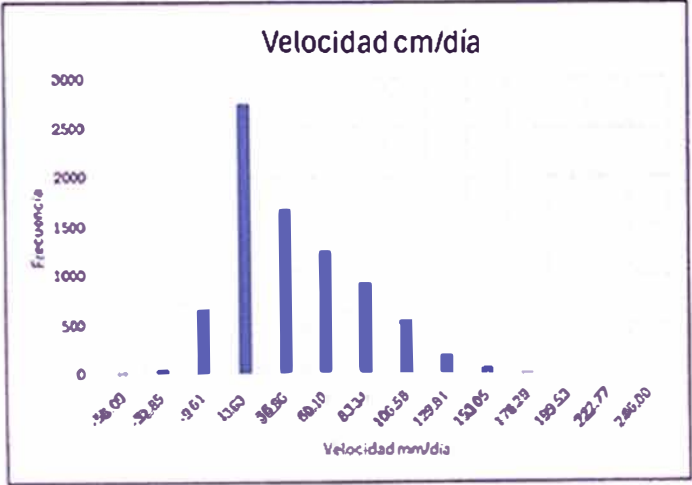


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 1, para un periodo de tiempo de 30 minutos.

ZONA 1:

PROMEDIO	41.92
DESVIACIÓN ESTÁNDAR	38.01
	79.93
	117.94
Máximo	257.62
Mínimo	-67.71



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	257.62		
Mínimo	-67.71		
Promedio	41.92	Des Std	38.01
Datos	8163		
Intervalos	14.00		
Rango	325.33		
Ancho de Rango	23.24		

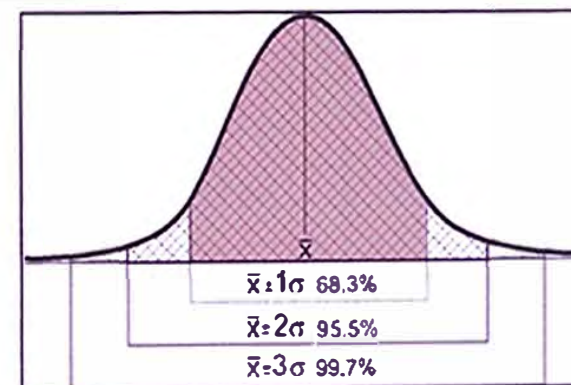
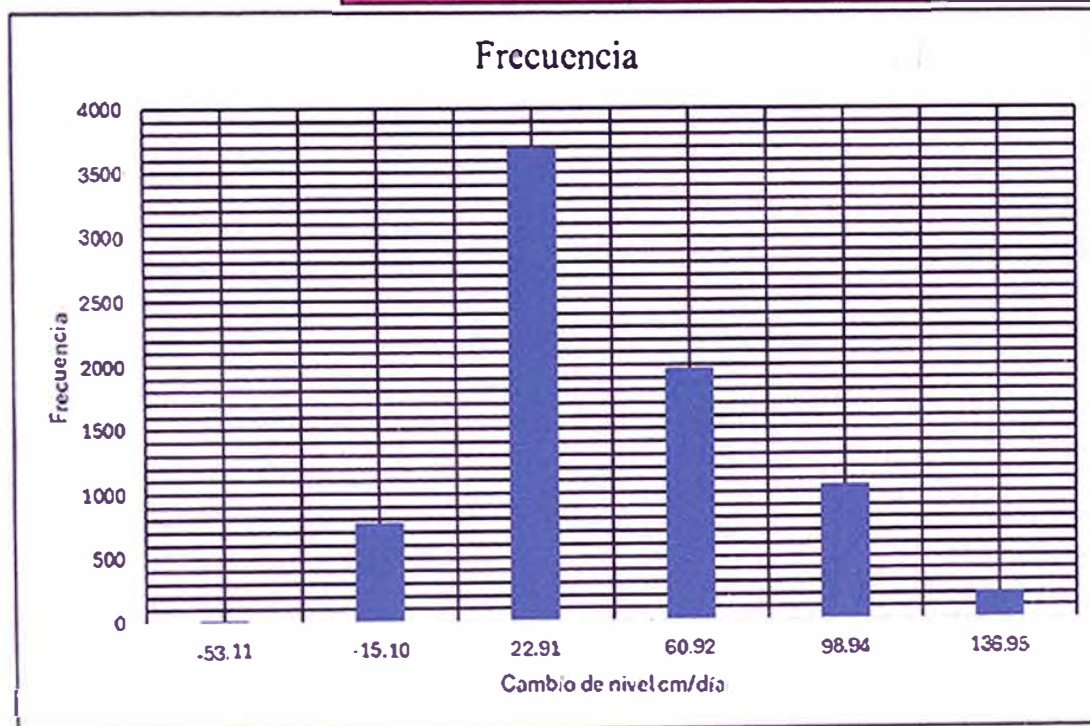
Intervalo	Li	LS	Marea de Clase	Frecuencia	Relativa
1	-67.71	-44.47	-56.09	16	0.20%
2	-44.47	-21.23	-32.85	49	0.60%
3	-21.23	2.01	-9.61	661	8.10%
4	2.01	25.24	13.63	2747	33.65%
5	25.24	48.48	36.86	1669	20.45%
6	48.48	71.72	60.10	1250	15.31%
7	71.72	94.96	83.34	927	11.36%
8	94.96	118.20	106.58	544	6.66%
9	118.20	141.43	129.81	193	2.36%
10	141.43	164.67	153.05	70	0.86%
11	164.67	187.91	176.29	13	0.16%
12	187.91	211.15	199.53	9	0.11%
13	211.15	234.38	222.77	10	0.12%
14	234.38	257.62	246.00	4	0.05%
Total				8163	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 1, para un periodo de tiempo de 15 minutos.

ZONA 1:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-72.12	-34.10	3.91	41.92	79.93	117.94	155.95
-72.12	-34.10	3.91	41.92	79.93	117.94	155.95

Li	LS	X	Frecuencia	Relativa	Relativa Acumulada
-72.12	-34.10	-53.11	21	0.27%	0.27%
-34.10	3.91	-15.10	777	10.06%	10.33%
3.91	41.92	22.91	3699	47.88%	58.21%
41.92	79.93	60.92	1967	25.46%	83.67%
79.93	117.94	98.94	1058	13.69%	97.36%
117.94	155.95	136.95	204	2.64%	100.00%
			7726		

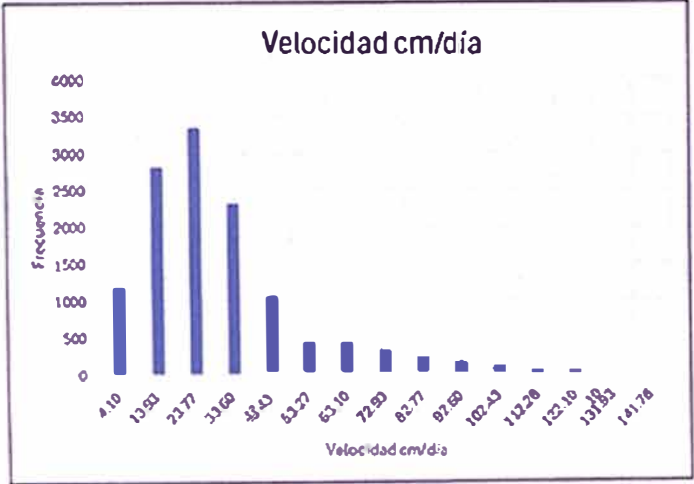


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 1, para un periodo de tiempo de 15 minutos.

ZONA 2:

PROMEDIO	30.40
DESVIACIÓN ESTÁNDAR	21.80
	52.20
	73.99
Máximo	146.68
Mínimo	-0.81



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	146.68		
Mínimo	-0.81		
Promedio	30.40	Des Std	21.80
Datos	12492		
Intervalos	15.00		
Rango	147.49		
Ancho de Rango	9.83		

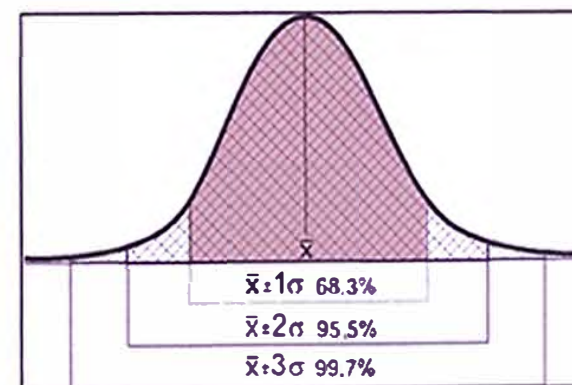
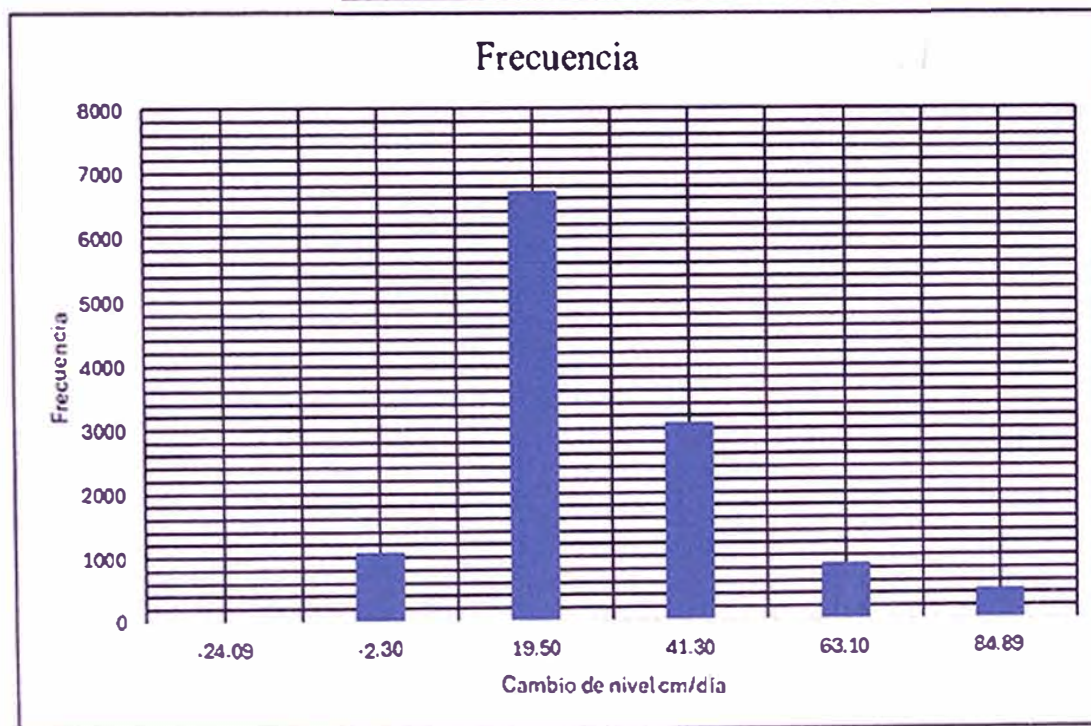
Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-0.81	9.02	4.10	1200.00	9.61%
2	9.02	18.85	13.93	2817.00	22.55%
3	18.85	28.68	23.77	3343.00	26.76%
4	28.68	38.52	33.60	2313.00	18.52%
5	38.52	48.35	43.43	1037.00	8.30%
6	48.35	58.18	53.27	427.00	3.42%
7	58.18	68.02	63.10	420.00	3.36%
8	68.02	77.85	72.93	317.00	2.54%
9	77.85	87.68	82.77	211.00	1.69%
10	87.68	97.52	92.60	164.00	1.31%
11	97.52	107.35	102.43	114.00	0.91%
12	107.35	117.18	112.26	57.00	0.46%
13	117.18	127.01	122.10	46.00	0.37%
14	127.01	136.85	131.93	19.00	0.15%
15	136.85	146.68	141.76	7.00	0.05%
Total				12492	100%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 2, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 2:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-34.99	-13.19	8.60	30.40	52.20	73.99	95.79
-34.99	-13.19	8.60	30.40	52.20	73.99	95.79

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-34.99	-13.19	-24.09	0	0.00%	0.00%
-13.19	8.60	-2.30	1070	8.76%	8.76%
8.60	30.40	19.50	6725	55.08%	63.84%
30.40	52.20	41.30	3088	25.29%	89.13%
52.20	73.99	63.10	865	7.08%	96.22%
73.99	95.79	84.89	462	3.78%	100.00%
			12210		

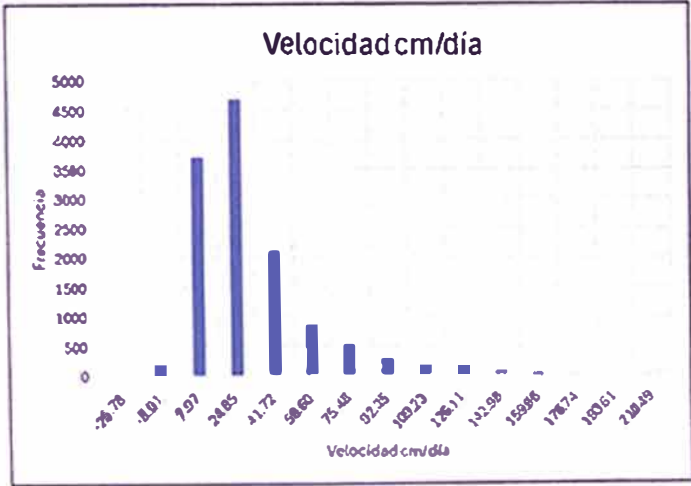


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 2, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 2:

PROMEDIO	31.68
DESVIACIÓN ESTÁNDAR	27.97
	59.65
	87.63
Máximo	218.93
Mínimo	-34.22



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	218.93		
Minimo	-34.22		
Promedio	31.68	Des Std	27.97
Datos	12864		
Intervalos	15.00		
Rango	253.15		
Ancho de Rango	16.88		

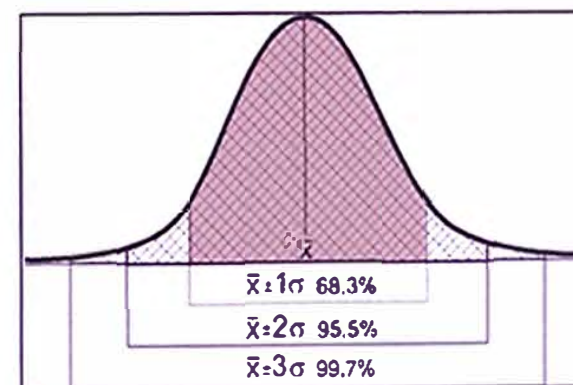
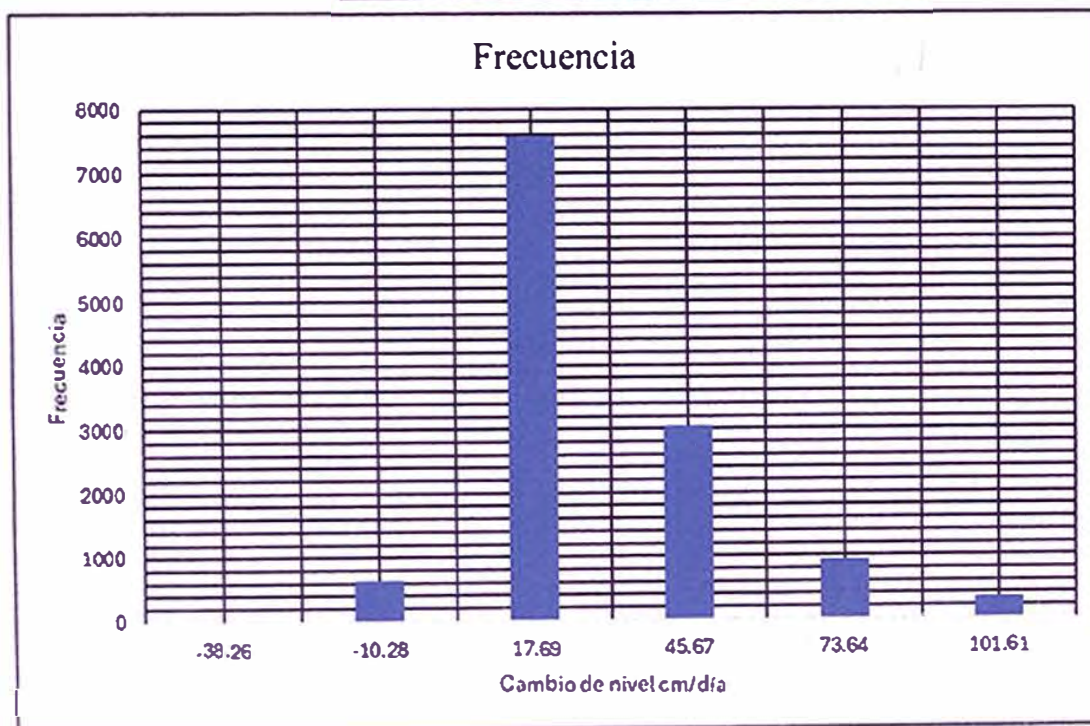
Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-34.22	-17.34	-25.78	16	0.12%
2	-17.34	-0.47	-8.91	190	1.48%
3	-0.47	16.41	7.97	3710	28.84%
4	16.41	33.29	24.85	4686	36.43%
5	33.29	50.16	41.72	2120	16.48%
6	50.16	67.04	58.60	858	6.67%
7	67.04	83.92	75.48	513	3.99%
8	83.92	100.79	92.35	290	2.25%
9	100.79	117.67	109.23	176	1.37%
10	117.67	134.55	126.11	155	1.20%
11	134.55	151.42	142.98	88	0.68%
12	151.42	168.30	159.86	33	0.26%
13	168.30	185.18	176.74	16	0.12%
14	185.18	202.05	193.61	8	0.06%
15	202.05	218.93	210.49	5	0.04%
Total				12864	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 2, para un periodo de tiempo de 30 minutos.

ZONA 2:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-52.24	-24.27	3.70	31.68	59.65	87.63	115.60
-52.24	-24.27	3.70	31.68	59.65	87.63	115.60

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-52.24	-24.27	-38.26	4	0.03%	0.03%
-24.27	3.70	-10.28	623	4.97%	5.01%
3.70	31.68	17.69	7586	60.56%	65.57%
31.68	59.65	45.67	3039	24.26%	89.83%
59.65	87.63	73.64	936	7.47%	97.30%
87.63	115.60	101.61	338	2.70%	100.00%
			12526		

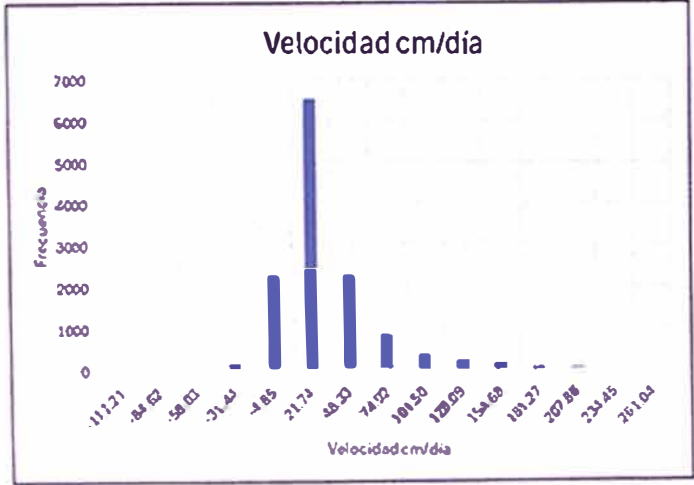


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 2, para un periodo de tiempo de 30 minutos.

ZONA 2:

PROMEDIO	32.58
DESVIACIÓN ESTÁNDAR	35.86
	68.44
	104.31
Máximo	274.33
Mínimo	-124.50



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	274.33	Des Std	35.86
Minimo	-124.50		
Promedio	32.58		
Datos	13044		
Intervalos	15.00		
Rango	398.83		
Ancho de Rango	26.59		

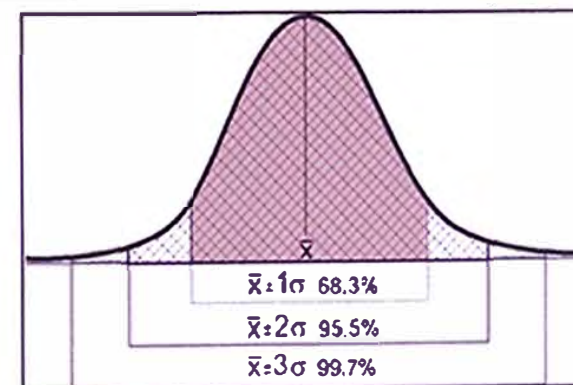
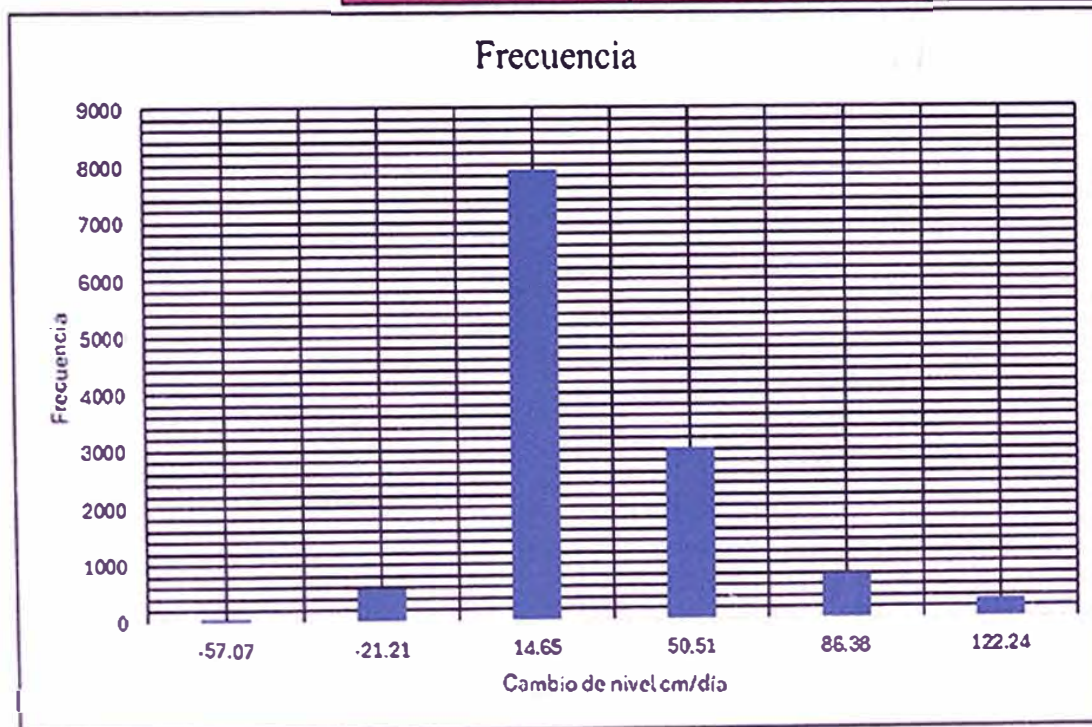
Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-124.50	-97.91	-111.21	1	0.01%
2	-97.91	-71.32	-84.62	10	0.08%
3	-71.32	-44.73	-58.03	24	0.18%
4	-44.73	-18.14	-31.44	139	1.07%
5	-18.14	8.44	-4.85	2248	17.23%
6	8.44	35.03	21.74	6523	50.01%
7	35.03	61.62	48.33	2333	17.89%
8	61.62	88.21	74.92	839	6.43%
9	88.21	114.80	101.50	376	2.88%
10	114.80	141.39	128.09	226	1.73%
11	141.39	167.98	154.68	163	1.25%
12	167.98	194.57	181.27	96	0.74%
13	194.57	221.15	207.86	40	0.31%
14	221.15	247.74	234.45	19	0.15%
15	247.74	274.33	261.04	7	0.05%
Total				13044	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 2, para un periodo de tiempo de 15 minutos.

ZONA 2:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-75.00	-39.14	-3.28	32.58	68.44	104.31	140.17
-75.00	-39.14	-3.28	32.58	68.44	104.31	140.17

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-75.00	-39.14	-57.07	48	0.38%	0.38%
-39.14	-3.28	-21.21	571	4.50%	4.88%
-3.28	32.58	14.65	7925	62.45%	67.33%
32.58	68.44	50.51	3026	23.85%	91.17%
68.44	104.31	86.38	794	6.26%	97.43%
104.31	140.17	122.24	326	2.57%	100.00%
			12690		

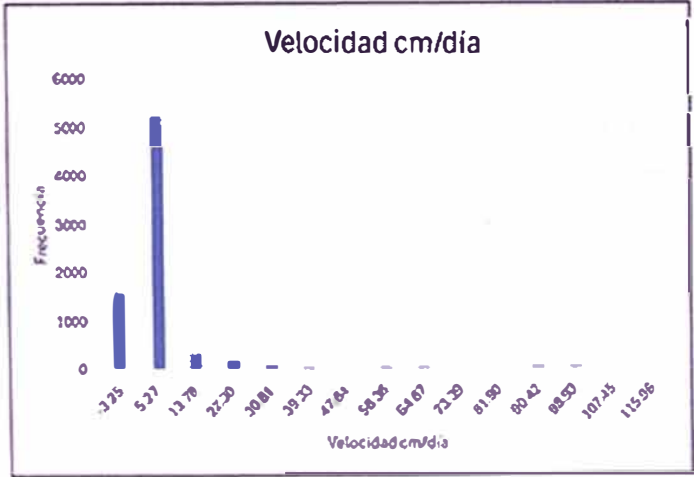


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 2, para un periodo de tiempo de 15 minutos.

ZONA 3:

PROMEDIO	5.53
DESVIACIÓN ESTÁNDAR	12.66
	18.19
	30.85
Máximo	111.71
Mínimo	-7.51



Histograma de Frecuencias

(Velocidad) cm/día			
Maximo	111.71	Des Std	
Minimo	-7.51		
Promedio	5.53		
Datos	7568		
Intervalos	14.00		
Rango	119.21	12.66	
Ancho de Rango	8.52		

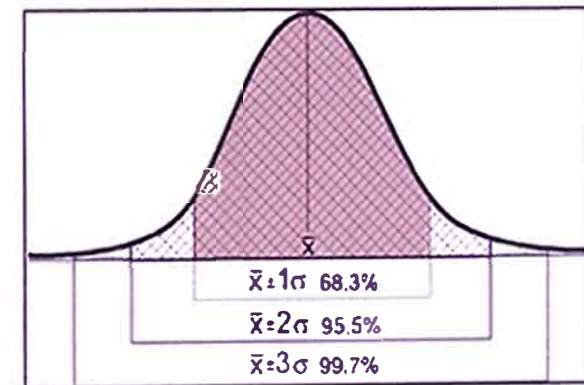
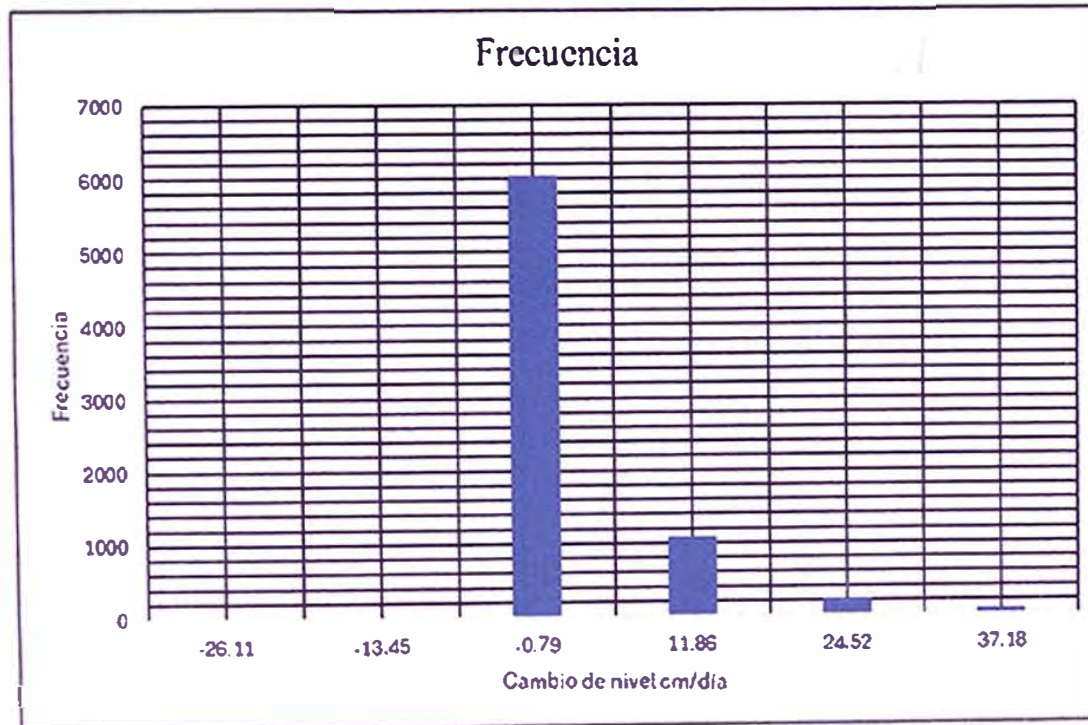
Intervalo	Li	Ls	Marea de Clase	Frecuencia	Relativa
1	-7.51	1.01	-3.25	1584	20.93%
2	1.01	9.52	5.27	5212	68.87%
3	9.52	18.04	13.78	314	4.15%
4	18.04	26.55	22.30	179	2.37%
5	26.55	35.07	30.81	68	0.90%
6	35.07	43.58	39.33	31	0.41%
7	43.58	52.10	47.84	16	0.21%
8	52.10	60.61	56.36	33	0.44%
9	60.61	69.13	64.87	26	0.34%
10	69.13	77.64	73.39	20	0.26%
11	77.64	86.16	81.90	20	0.26%
12	86.16	94.67	90.42	24	0.32%
13	94.67	103.19	98.93	22	0.29%
14	103.19	111.71	107.45	18	0.24%
Total				7568	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 3, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 3:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-32.44	-19.78	-7.12	5.53	18.19	30.85	43.51
-32.44	-19.78	-7.12	5.53	18.19	30.85	43.51

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-32.44	-19.78	-26.11	0	0.00%	0.00%
-19.78	-7.12	-13.45	1	0.01%	0.01%
-7.12	5.53	-0.79	6030	81.71%	81.72%
5.53	18.19	11.86	1073	14.54%	96.26%
18.19	30.85	24.52	209	2.83%	99.09%
30.85	43.51	37.18	67	0.91%	100.00%
			7380		

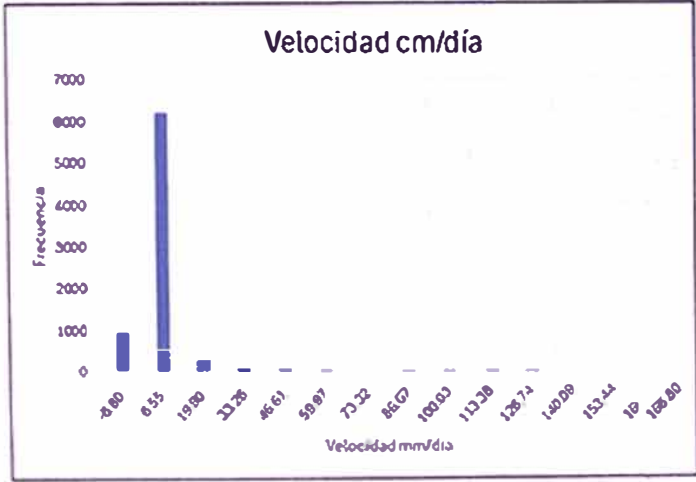


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 3, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 3:

PROMEDIO	6.74
DESVIACIÓN ESTÁNDAR	18.00
	24.73
	42.73
Máximo	173.47
Mínimo	-13.48



Histograma de Frecuencias

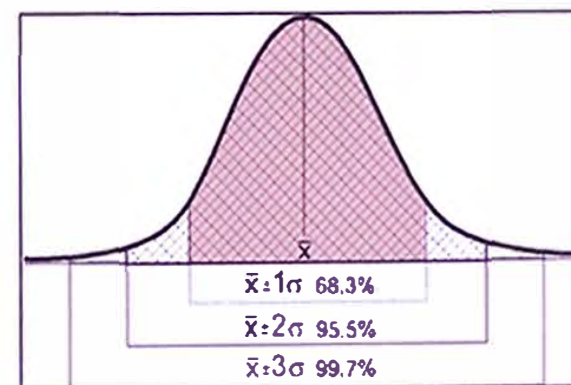
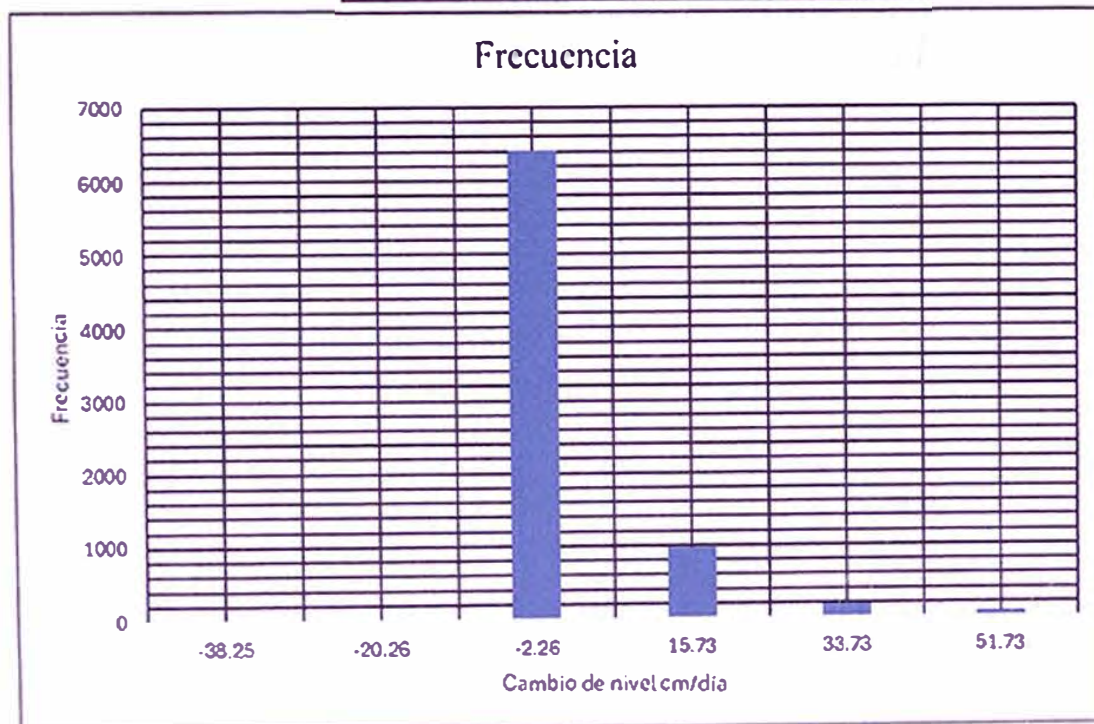
(Velocidad) cmm/día			
Maximo	173.47		
Minimo	-13.48		
Promedio	6.74	Des Std	18.00
Datos	7808		
Intervalos	14.00		
Rango	186.95		
Ancho de Rango	13.35		

Intervalo	Li	Ls	Marea de Clise	Frecuencia	Relativa
1	-13.48	-0.13	-6.80	938	12.01%
2	-0.13	13.23	6.55	6198	79.38%
3	13.23	26.58	19.90	275	3.52%
4	26.58	39.94	33.26	122	1.56%
5	39.94	53.29	46.61	64	0.82%
6	53.29	66.64	59.97	40	0.51%
7	66.64	80.00	73.32	13	0.17%
8	80.00	93.35	86.67	34	0.44%
9	93.35	106.70	100.03	33	0.42%
10	106.70	120.06	113.38	26	0.33%
11	120.06	133.41	126.74	26	0.33%
12	133.41	146.77	140.09	21	0.27%
13	146.77	160.12	153.44	12	0.15%
14	160.12	173.47	166.80	5	0.06%
Total				7808	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 3, para un periodo de tiempo de 30 minutos.

ZONA 3:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-47.25	-29.26	-11.26	6.74	24.73	42.73	60.72
-47.25	-29.26	-11.26	6.74	24.73	42.73	60.72
Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada	
-47.25	-29.26	-38.25	0	0.00%	0.00%	
-29.26	-11.26	-20.26	3	0.04%	0.04%	
-11.26	6.74	-2.26	6412	84.19%	84.23%	
6.74	24.73	15.73	959	12.59%	96.82%	
24.73	42.73	33.73	177	2.32%	99.15%	
42.73	60.72	51.73	65	0.85%	100.00%	
			7616			

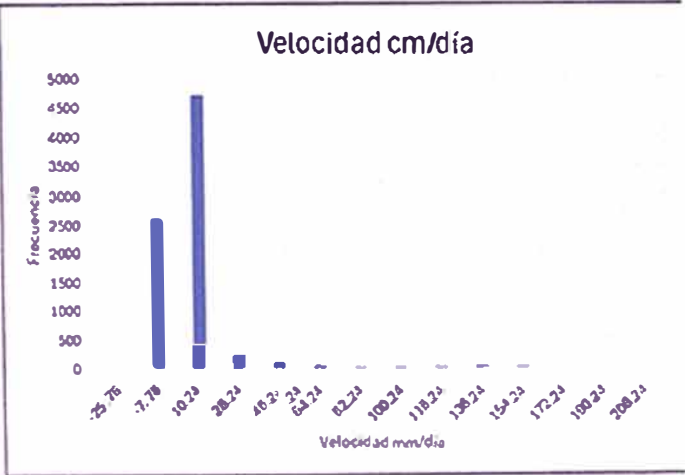


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 3, para un periodo de tiempo de 30 minutos.

ZONA 3:

PROMEDIO	7.31
DESVIACIÓN ESTÁNDAR	21.15
	28.46
	49.61
Máximo	217.24
Mínimo	-34.76



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	217.24	Des Std	21.15
Minimo	-34.76		
Promedio	7.31		
Datos	7928		
Intervalos	14.00		
Rango	252.00		
Ancho de Rango	18.00		

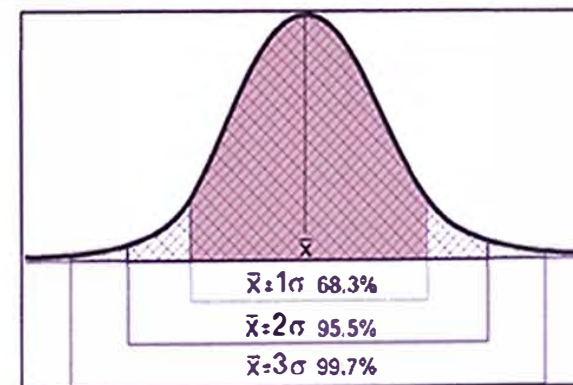
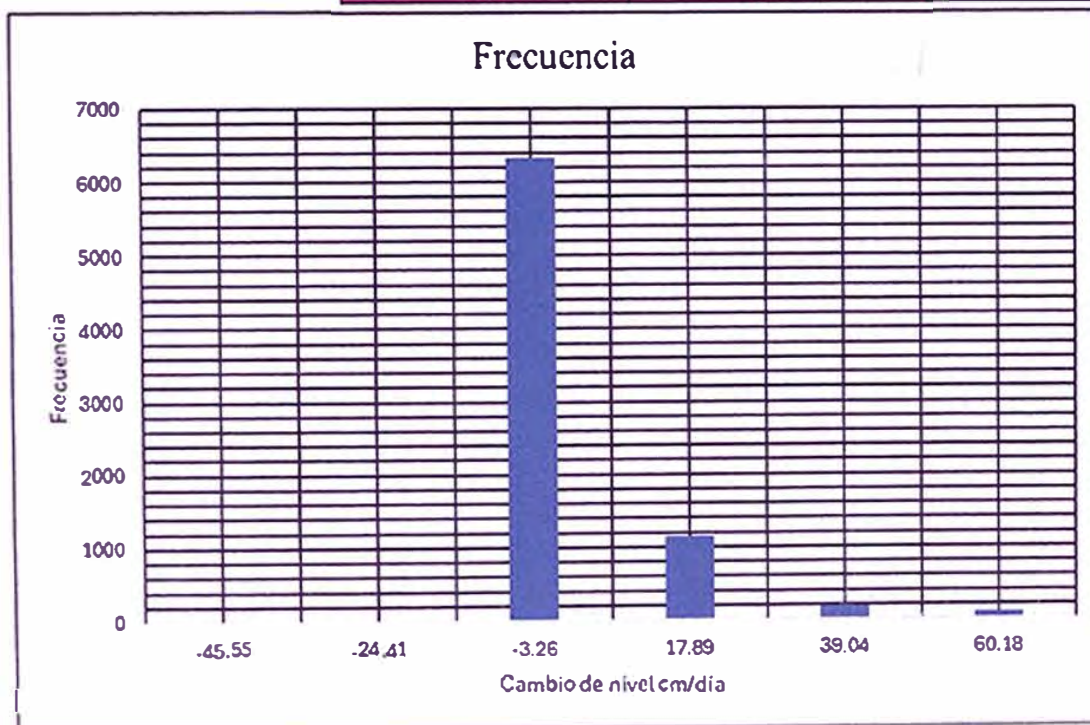
Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-34.76	-16.76	-25.76	14	0.18%
2	-16.76	1.24	-7.76	2603	32.83%
3	1.24	19.24	10.24	4723	59.57%
4	19.24	37.24	28.24	248	3.13%
5	37.24	55.24	46.24	113	1.43%
6	55.24	73.24	64.24	52	0.66%
7	73.24	91.24	82.24	27	0.34%
8	91.24	109.24	100.24	29	0.37%
9	109.24	127.24	118.24	30	0.38%
10	127.24	145.24	136.24	44	0.55%
11	145.24	163.24	154.24	19	0.24%
12	163.24	181.24	172.24	10	0.13%
13	181.24	199.24	190.24	8	0.10%
14	199.24	217.24	208.24	7	0.09%
Total				7928	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 3, para un periodo de tiempo de 15 minutos.

ZONA 3:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-56.13	-34.98	-13.83	7.31	28.46	49.61	70.76
-56.13	-34.98	-13.83	7.31	28.46	49.61	70.76

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-56.13	-34.98	-45.55	0	0.00%	0.00%
-34.98	-13.83	-24.41	25	0.32%	0.32%
-13.83	7.31	-3.26	6321	81.65%	81.97%
7.31	28.46	17.89	1140	14.72%	96.69%
28.46	49.61	39.04	173	2.23%	98.93%
49.61	70.76	60.18	83	1.07%	100.00%
			7742		

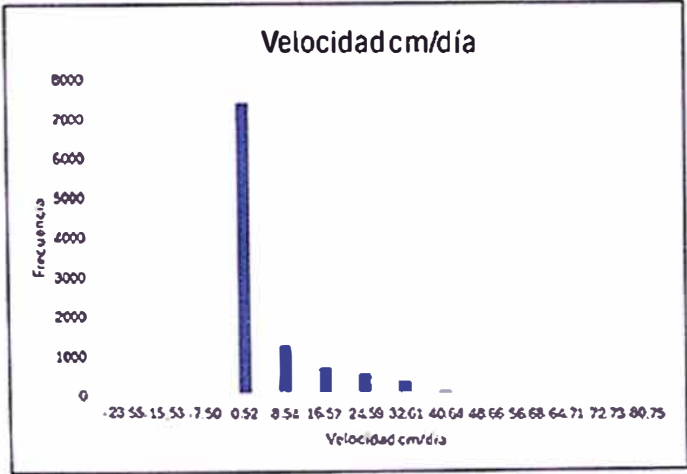


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 3, para un periodo de tiempo de 15 minutos.

ZONA 4:

PROMEDIO	5.31
DESVIACIÓN ESTÁNDAR	9.35
	14.66
	24.02
Máximo	84.76
Mínimo	-27.56



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	84.76		
Minimo	-27.56		
Promedio	5.31	Des Std	9.35
Datos	10190		
Intervalos	14.00		
Rango	112.32		
Ancho de Rango	8.02		

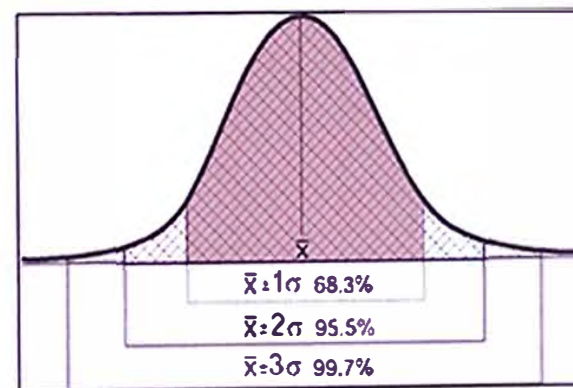
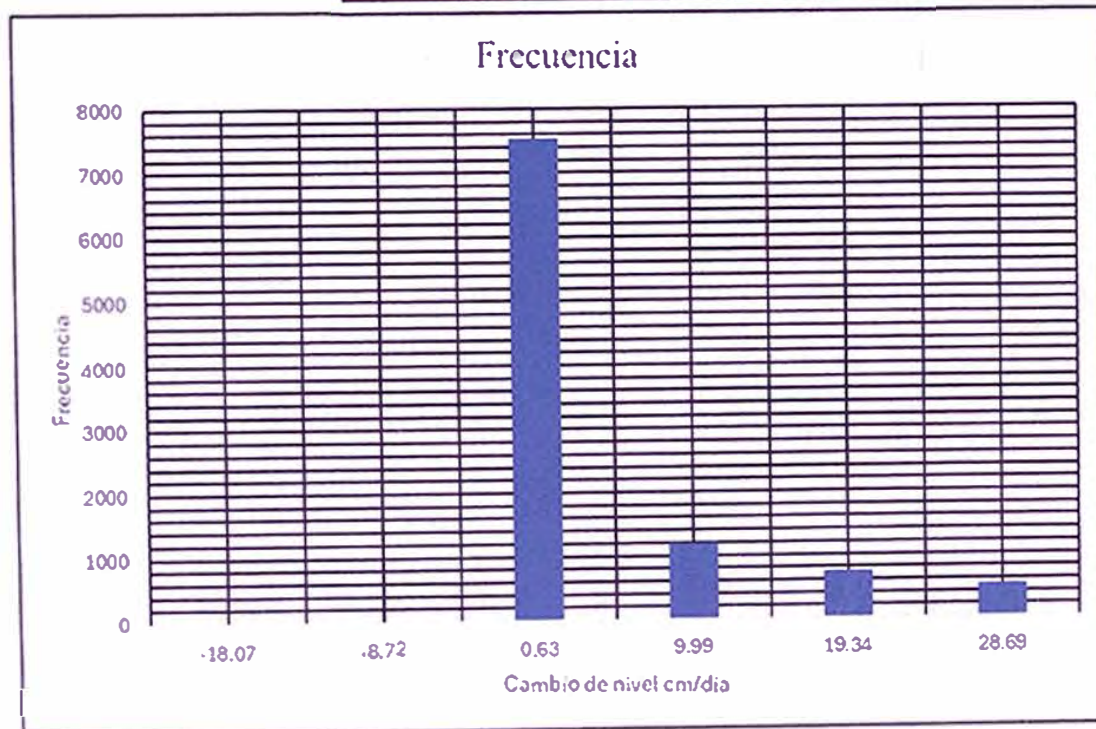
Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-27.56	-19.54	-23.55	11	0.11%
2	-19.54	-11.51	-15.53	12	0.12%
3	-11.51	-3.49	-7.50	41	0.40%
4	-3.49	4.53	0.52	7364	72.27%
5	4.53	12.56	8.54	1190	11.68%
6	12.56	20.58	16.57	650	6.38%
7	20.58	28.60	24.59	508	4.99%
8	28.60	36.62	32.61	310	3.04%
9	36.62	44.65	40.64	56	0.55%
10	44.65	52.67	48.66	17	0.17%
11	52.67	60.69	56.68	9	0.09%
12	60.69	68.72	64.71	11	0.11%
13	68.72	76.74	72.73	4	0.04%
14	76.74	84.76	80.75	6	0.06%
Total				10190	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 4, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 4:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-22.75	-13.39	-4.04	5.31	14.66	24.02	33.37
-22.75	-13.39	-4.04	5.31	14.66	24.02	33.37

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-22.75	-13.39	-18.07	20	0.20%	0.20%
-13.39	-4.04	-8.72	26	0.26%	0.46%
-4.04	5.31	0.63	7535	75.33%	75.79%
5.31	14.66	9.99	1193	11.93%	87.72%
14.66	24.02	19.34	725	7.25%	94.97%
24.02	33.37	28.69	503	5.03%	100.00%
			10002		

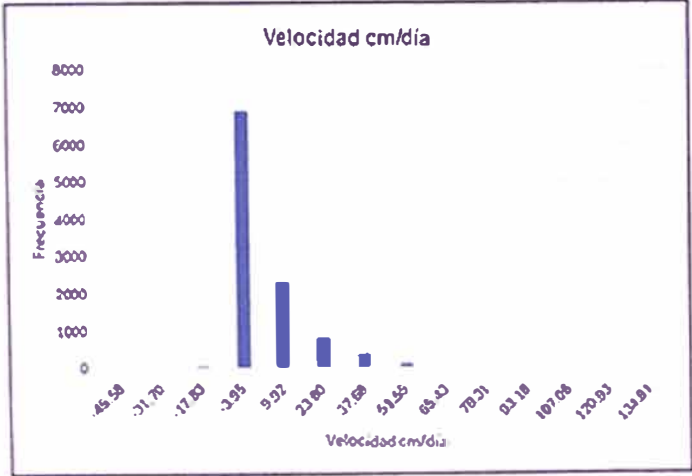


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 4, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 4:

PROMEDIO	5.63
DESVIACIÓN ESTÁNDAR	11.71
	17.34
	29.05
Máximo	141.75
Mínimo	-52.52



Histograma de Frecuencias

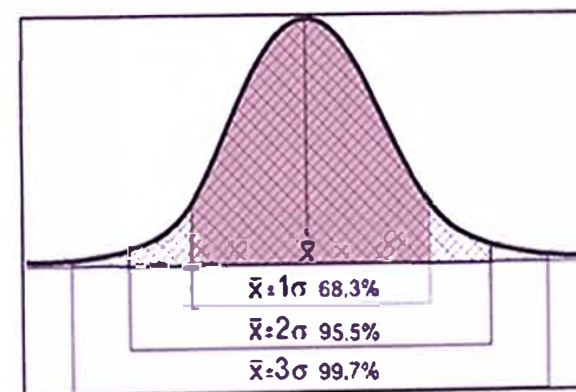
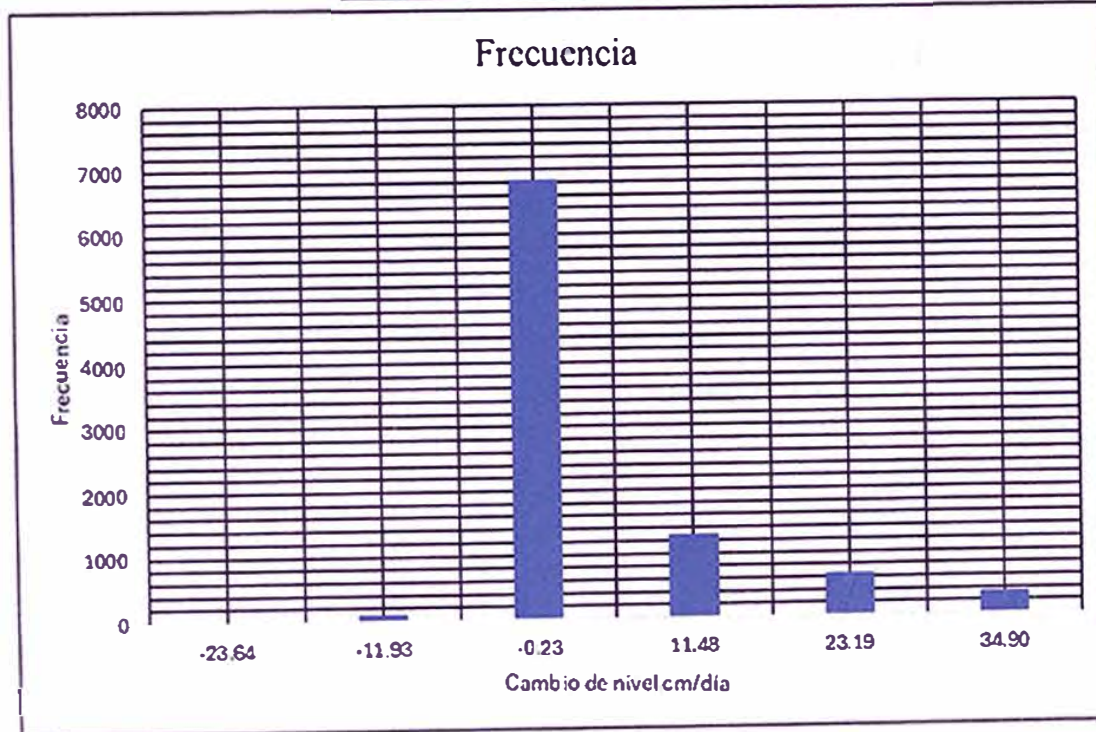
(Velocidad) cmm/día			
Maximo	141.75		
Minimo	-52.52		
Promedio	5.63	Des Std	11.71
Datos	10500		
Intervalos	14.00		
Rango	194.27		
Ancho de Rango	13.88		

Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-52.52	-38.64	-45.58	6	0.06%
2	-38.64	-24.77	-31.70	12	0.11%
3	-24.77	-10.89	-17.83	28	0.27%
4	-10.89	2.99	-3.95	6866	65.39%
5	2.99	16.86	9.92	2305	21.95%
6	16.86	30.74	23.80	790	7.52%
7	30.74	44.62	37.68	363	3.46%
8	44.62	58.49	51.55	90	0.86%
9	58.49	72.37	65.43	7	0.07%
10	72.37	86.24	79.31	9	0.09%
11	86.24	100.12	93.18	8	0.08%
12	100.12	114.00	107.06	5	0.05%
13	114.00	127.87	120.93	4	0.04%
14	127.87	141.75	134.81	6	0.06%
Total				10500	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 4, para un periodo de tiempo de 30 minutos.

ZONA 4:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-29.50	-17.79	-6.08	5.63	17.34	29.05	40.76
-29.50	-17.79	-6.08	5.63	17.34	29.05	40.76
Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada	
-29.50	-17.79	-23.64	26	0.28%	0.28%	
-17.79	-6.08	-11.93	90	0.98%	1.26%	
-6.08	5.63	-0.23	6836	74.08%	75.34%	
5.63	17.34	11.48	1283	13.90%	89.24%	
17.34	29.05	23.19	647	7.01%	96.25%	
29.05	40.76	34.90	346	3.75%	100.00%	
			9228			

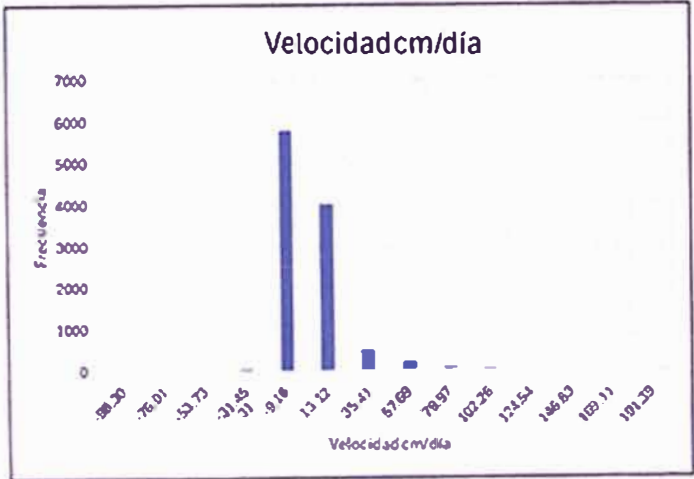


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 4, para un periodo de tiempo de 30 minutos.

ZONA 4:

PROMEDIO	6.03
DESVIACIÓN ESTÁNDAR	16.21
	22.23
	38.44
Máximo	202.54
Mínimo	-109.44



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	202.54		
Minimo	-109.44		
Promedio	6.03	Des Std	16.21
Datos	10650		
Intervalos	14.00		
Rango	311.98		
Ancho de Rango	22.28		

Intervalo	Li	Ls	Marea de Clase	Frecuencia	Relativa
1	-109.44	-87.16	-98.30	2	0.02%
2	-87.16	-64.87	-76.01	13	0.12%
3	-64.87	-42.59	-53.73	6	0.06%
4	-42.59	-20.30	-31.45	33	0.31%
5	-20.30	1.98	-9.16	5775	54.23%
6	1.98	24.26	13.12	3992	37.48%
7	24.26	46.55	35.41	499	4.69%
8	46.55	68.83	57.69	220	2.07%
9	68.83	91.12	79.97	51	0.48%
10	91.12	113.40	102.26	27	0.25%
11	113.40	135.68	124.54	9	0.08%
12	135.68	157.97	146.83	12	0.11%
13	157.97	180.25	169.11	7	0.07%
14	180.25	202.54	191.39	3	0.03%
Total				10650	100.00%

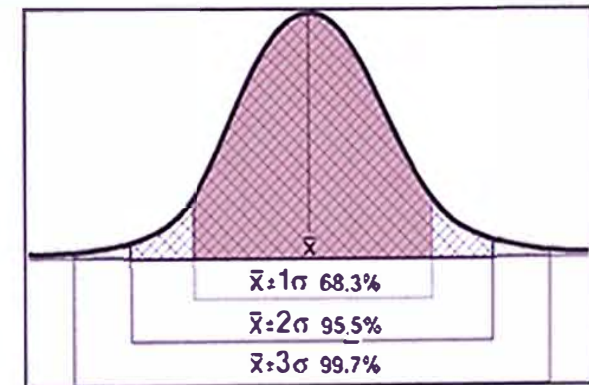
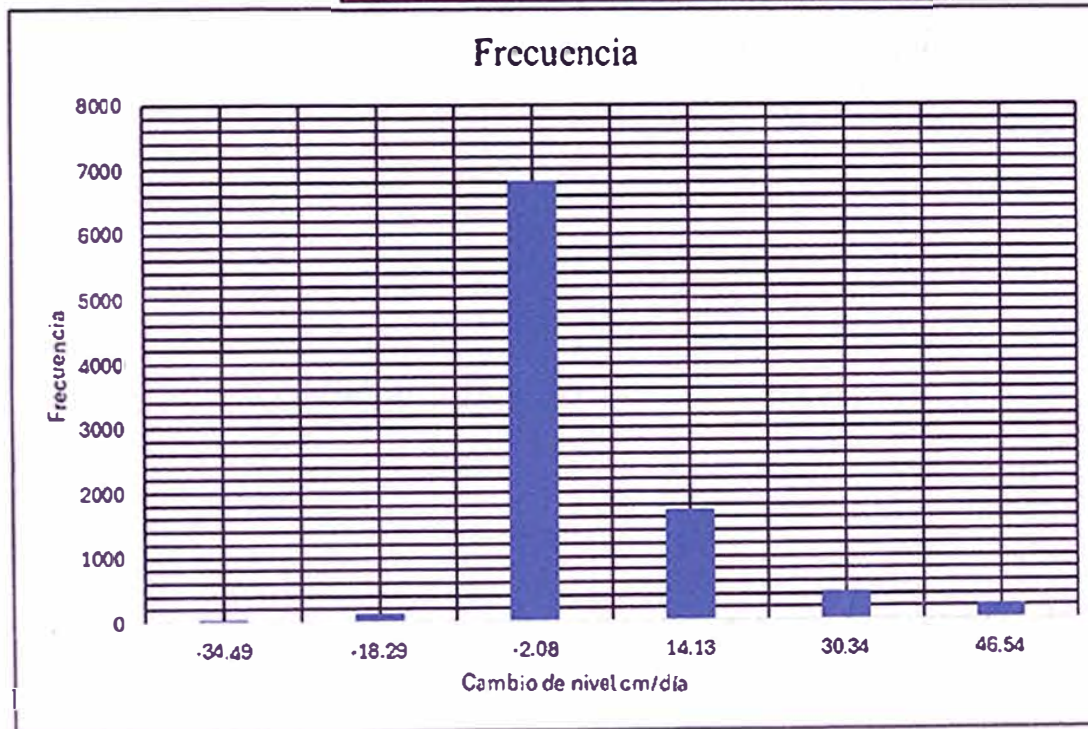
Evaluación Estadístico de la velocidad (cm/día) en la Zona 4, para un periodo de tiempo de 15 minutos.

ZONA 4:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-42.60	-26.39	-10.18	6.03	22.23	38.44	54.65
-42.60	-26.39	-10.18	6.03	22.23	38.44	54.65

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-42.60	-26.39	-34.49	37	0.40%	0.40%
-26.39	-10.18	-18.29	131	1.40%	1.80%
-10.18	6.03	-2.08	6827	72.99%	74.79%
6.03	22.23	14.13	1713	18.31%	93.10%
22.23	38.44	30.34	424	4.53%	97.64%
38.44	54.65	46.54	221	2.36%	100.00%

9353



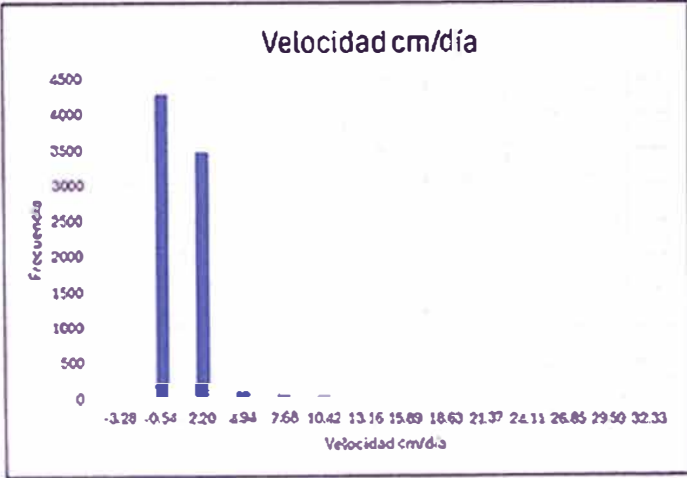
Curva de distribución normal

Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 4, para un periodo de tiempo de 15 minutos.

ZONA 5:

PROMEDIO	1.13
DESVIACIÓN ESTÁNDAR	2.51
	3.64
	6.15
Máximo	33.69
Mínimo	-4.64



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	33.69		
Minimo	-4.64		
Promedio	1.13	Des Std	2.51
Datos	7973		
Intervalos	14.00		
Rango	38.34		
Ancho de Rango	2.74		

Intervalo	Li	LS	Marca de Clase	Frecuencia	Relativa
1	-4.64	-1.91	-3.28	14	0.18%
2	-1.91	0.83	-0.54	4272	53.58%
3	0.83	3.57	2.20	3470	43.52%
4	3.57	6.31	4.94	85	1.07%
5	6.31	9.05	7.68	33	0.41%
6	9.05	11.79	10.42	27	0.34%
7	11.79	14.53	13.16	8	0.10%
8	14.53	17.26	15.89	12	0.15%
9	17.26	20.00	18.63	4	0.05%
10	20.00	22.74	21.37	8	0.10%
11	22.74	25.48	24.11	11	0.14%
12	25.48	28.22	26.85	15	0.19%
13	28.22	30.96	29.59	0	0.00%
14	30.96	33.69	32.33	13	0.16%
Total				7973	100.00%

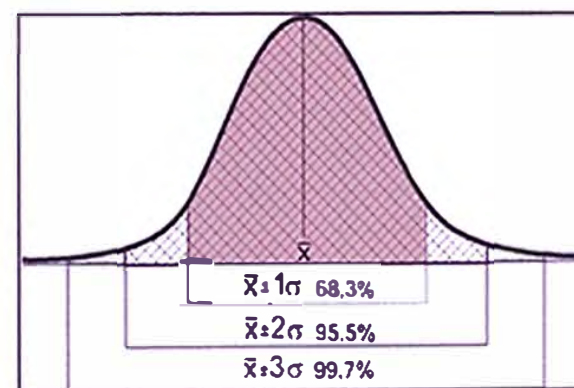
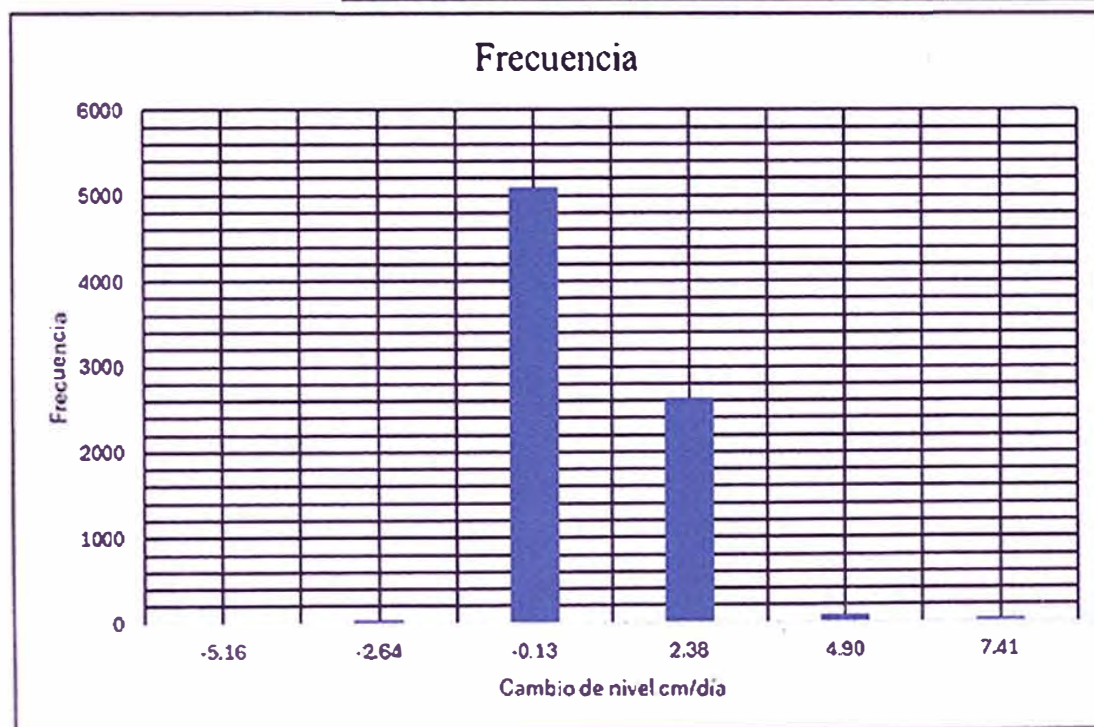
Evaluación Estadístico de la velocidad (cm/día) en la Zona 5, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 5:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-6.41	-3.90	-1.39	1.13	3.64	6.15	8.67
-6.41	-3.90	-1.39	1.13	3.64	6.15	8.67

Li	LS	X	Frecuencia	Relativa	Relativa Acumulada
-6.41	-3.90	-5.16	2	0.03%	0.03%
-3.90	-1.39	-2.64	33	0.42%	0.45%
-1.39	1.13	-0.13	5098	64.84%	65.29%
1.13	3.64	2.38	2622	33.35%	98.64%
3.64	6.15	4.90	75	0.95%	99.59%
6.15	8.67	7.41	32	0.41%	100.00%

7862

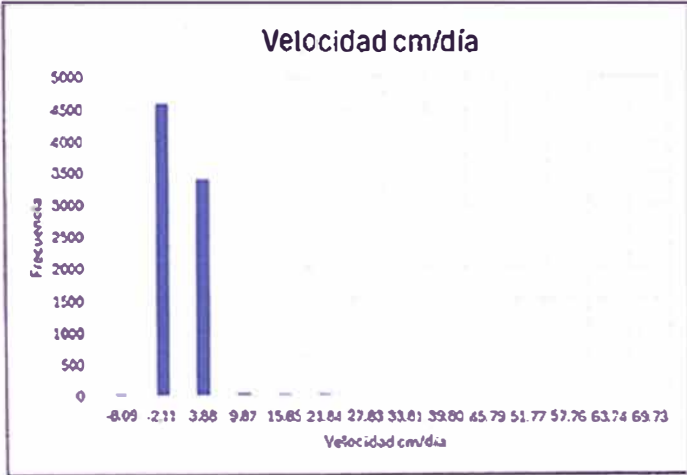


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 5, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 5:

PROMEDIO	1.40
DESVIACIÓN ESTÁNDAR	5.19
	6.59
	11.78
Máximo	72.72
Mínimo	-11.09



Histograma de Frecuencias

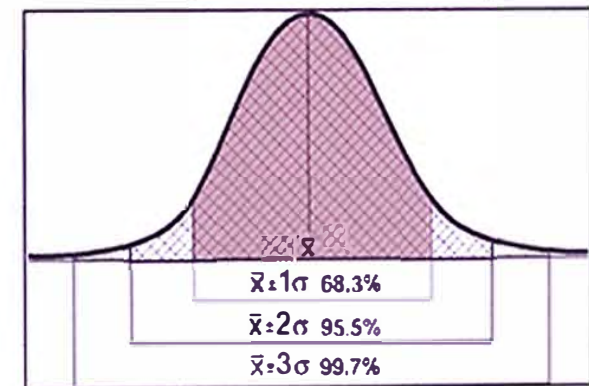
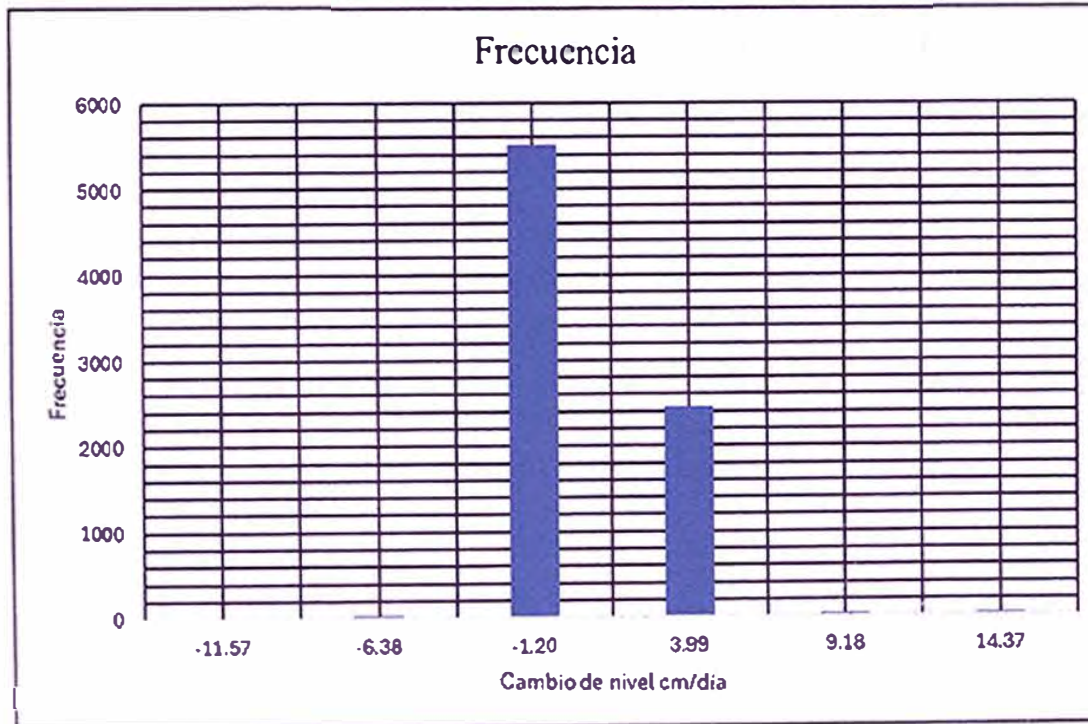
(Velocidad) cmm/día			
Maximo	72.72		
Minimo	-11.09		
Promedio	1.40	Des Std	5.19
Datos	8190		
Intervalos	14.00		
Rango	83.81		
Ancho de Rango	5.99		

Intervalo	Li	Is	Marea de Clase	Frecuencia	Relativa
1	-11.09	-5.10	-8.09	28	0.34%
2	-5.10	0.89	-2.11	4584	55.97%
3	0.89	6.87	3.88	3401	41.53%
4	6.87	12.86	9.87	41	0.50%
5	12.86	18.85	15.85	32	0.39%
6	18.85	24.83	21.84	29	0.35%
7	24.83	30.82	27.83	11	0.13%
8	30.82	36.81	33.81	12	0.15%
9	36.81	42.79	39.80	4	0.05%
10	42.79	48.78	45.79	10	0.12%
11	48.78	54.76	51.77	12	0.15%
12	54.76	60.75	57.76	12	0.15%
13	60.75	66.74	63.74	8	0.10%
14	66.74	72.72	69.73	5	0.06%
Total				8190	100.00%

Evaluación Estadístico de la velocidad (cm/día) en la Zona 5, para un periodo de tiempo de 30 minutos.

ZONA 5:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-14.17	-8.98	-3.79	1.40	6.59	11.78	16.96
-14.17	-8.98	-3.79	1.40	6.59	11.78	16.96
Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada	
-14.17	-8.98	-11.57	7	0.09%	0.09%	
-8.98	-3.79	-6.38	36	0.45%	0.53%	
-3.79	1.40	-1.20	5501	68.18%	68.72%	
1.40	6.59	3.99	2459	30.48%	99.19%	
6.59	11.78	9.18	31	0.38%	99.58%	
11.78	16.96	14.37	34	0.42%	100.00%	
			8068			

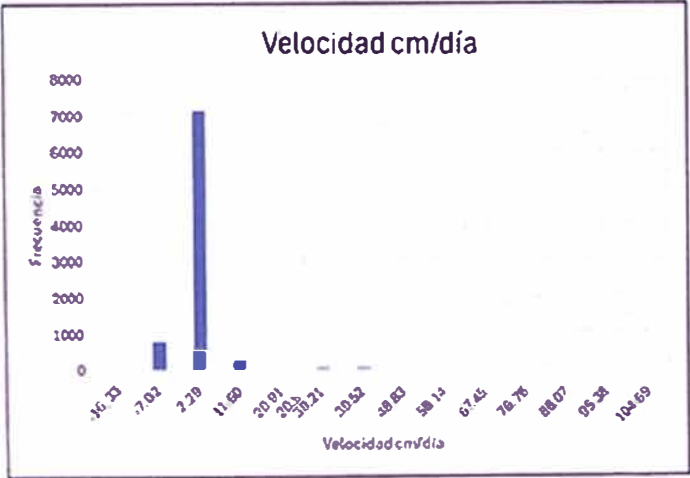


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 5, para un periodo de tiempo de 30 minutos.

ZONA 5:

PROMEDIO	1.78
DESVIACIÓN ESTÁNDAR	8.40
	10.18
	18.58
Máximo	109.34
Mínimo	-20.99



Histograma de Frecuencias

(Velocidad) cm/día			
Maximo	109.34		
Minimo	-20.99		
Promedio	1.78	Des Std	8.40
Datos	8295		
Intervalos	14.00		
Rango	130.33		
Ancho de Rango	9.31		

Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-20.99	-11.68	-16.33	17	0.20%
2	-11.68	-2.37	-7.02	770	9.28%
3	-2.37	6.94	2.29	7114	85.76%
4	6.94	16.25	11.60	242	2.92%
5	16.25	25.56	20.91	21	0.25%
6	25.56	34.87	30.21	30	0.36%
7	34.87	44.18	39.52	28	0.34%
8	44.18	53.49	48.83	16	0.19%
9	53.49	62.80	58.14	5	0.06%
10	62.80	72.11	67.45	7	0.08%
11	72.11	81.41	76.76	12	0.14%
12	81.41	90.72	86.07	11	0.13%
13	90.72	100.03	95.38	12	0.14%
14	100.03	109.34	104.69	8	0.10%
Total				8295	100.00%

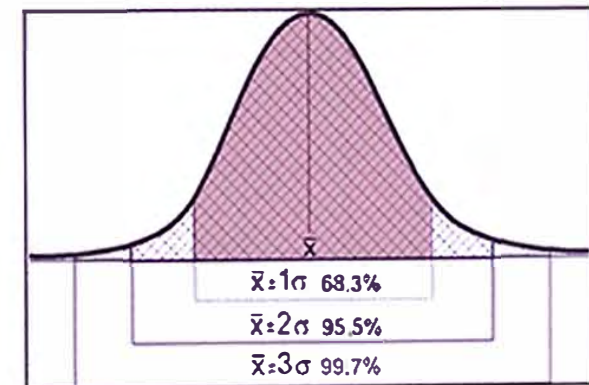
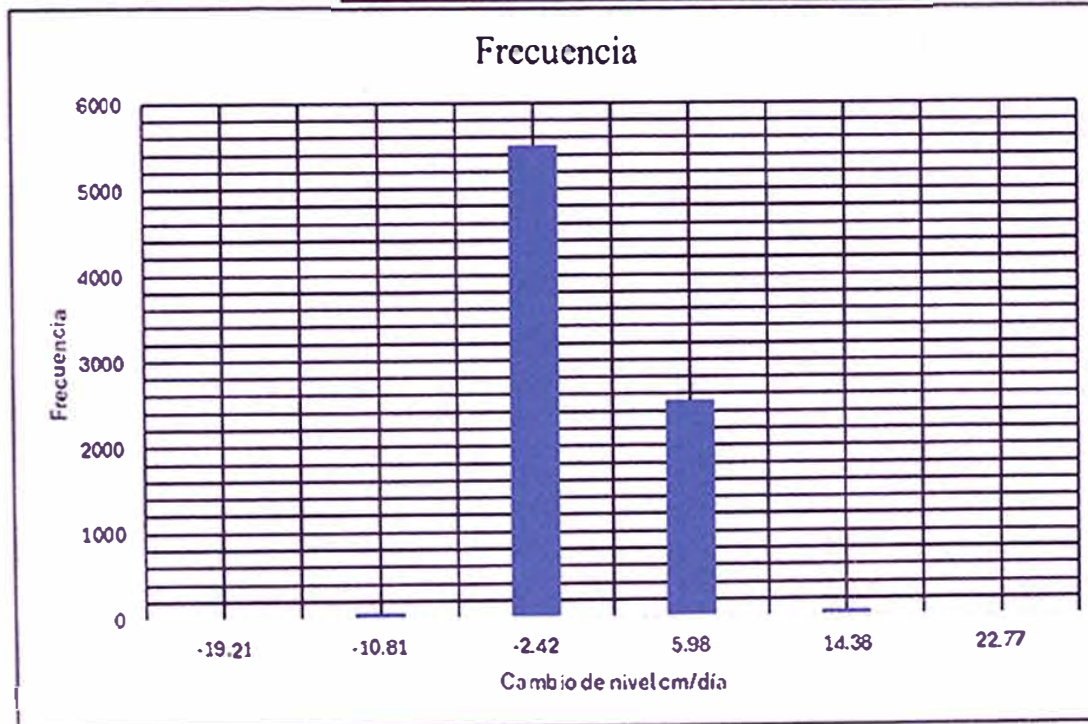
Evaluación Estadístico de la velocidad (cm/día) en la Zona 5, para un periodo de tiempo de 15 minutos.

ZONA 5:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-23.41	-15.01	-6.61	1.78	10.18	18.58	26.97
-23.41	-15.01	-6.61	1.78	10.18	18.58	26.97

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-23.41	-15.01	-19.21	8	0.10%	0.10%
-15.01	-6.61	-10.81	54	0.66%	0.76%
-6.61	1.78	-2.42	5508	67.50%	68.26%
1.78	10.18	5.98	2519	30.87%	99.13%
10.18	18.58	14.38	52	0.64%	99.77%
18.58	26.97	22.77	19	0.23%	100.00%

8160

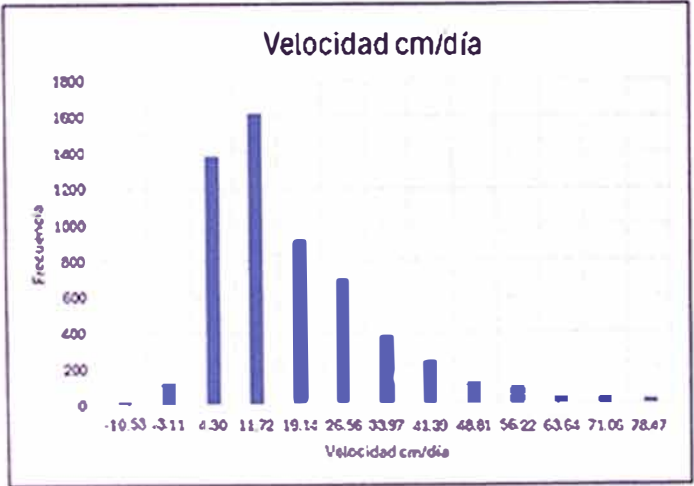


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 5, para un periodo de tiempo de 15 minutos.

ZONA 6:

PROMEDIO	18.06
DESVIACIÓN ESTÁNDAR	14.70
	32.76
	47.46
Máximo	82.18
Mínimo	-14.24



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	82.18		
Minimo	-14.24		
Promedio	18.06	Des Std	14.70
Datos	5712		
Intervalos	13.00		
Rango	96.42		
Ancho de Rango	7.42		

Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-14.24	-6.82	-10.53	21	0.37%
2	-6.82	0.60	-3.11	123	2.15%
3	0.60	8.01	4.30	1377	24.11%
4	8.01	15.43	11.72	1618	28.33%
5	15.43	22.85	19.14	917	16.05%
6	22.85	30.26	26.56	698	12.22%
7	30.26	37.68	33.97	382	6.69%
8	37.68	45.10	41.39	242	4.24%
9	45.10	52.51	48.81	122	2.14%
10	52.51	59.93	56.22	98	1.72%
11	59.93	67.35	63.64	42	0.74%
12	67.35	74.76	71.06	44	0.77%
13	74.76	82.18	78.47	27	0.47%
Total				5712	100.00%

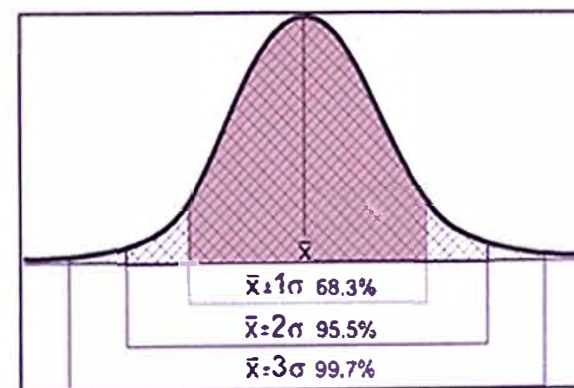
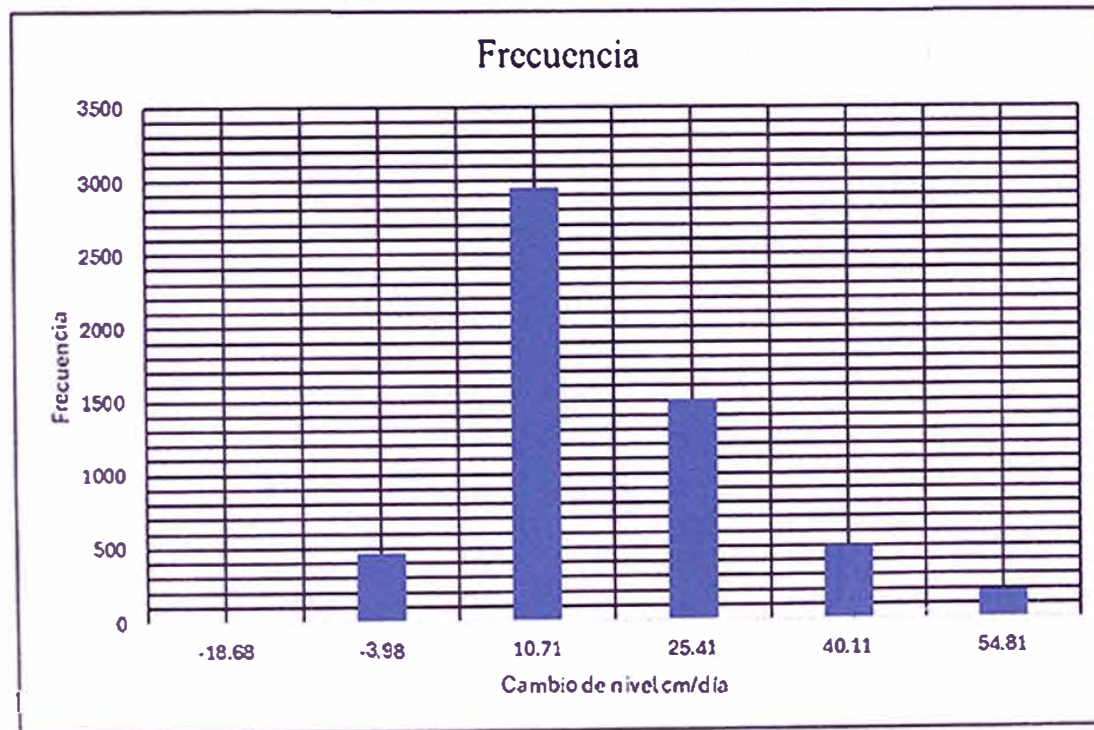
Evaluación Estadístico de la velocidad (cm/día) en la Zona 6, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 6:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-26.03	-11.33	3.37	18.06	32.76	47.46	62.16
-26.03	-11.33	3.37	18.06	32.76	47.46	62.16

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-26.03	-11.33	-18.68	1	0.02%	0.02%
-11.33	3.37	-3.98	470	8.38%	8.40%
3.37	18.06	10.71	2947	52.54%	60.94%
18.06	32.76	25.41	1501	26.76%	87.70%
32.76	47.46	40.11	503	8.97%	96.67%
47.46	62.16	54.81	187	3.33%	100.00%

5609

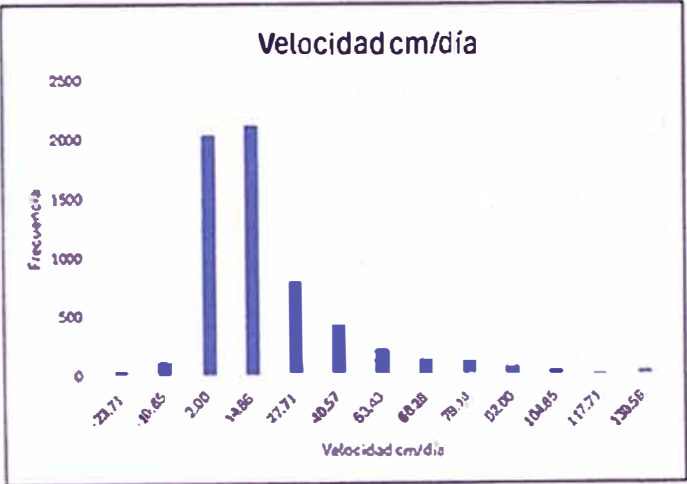


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 6, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 6:

PROMEDIO	19.23
DESVIACIÓN ESTÁNDAR	22.20
	41.43
	63.63
Máximo	136.99
Mínimo	-30.14



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	136.99		
Minimo	-30.14		
Promedio	19.23	Des Std	22.20
Datos	6084		
Intervalos	13.00		
Rango	167.13		
Ancho de Rango	12.86		

Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-30.14	-17.28	-23.71	32	0.53%
2	-17.28	-4.43	-10.85	113	1.86%
3	-4.43	8.43	2.00	2038	33.50%
4	8.43	21.29	14.86	2118	34.81%
5	21.29	34.14	27.71	777	12.77%
6	34.14	47.00	40.57	408	6.71%
7	47.00	59.85	53.43	211	3.47%
8	59.85	72.71	66.28	125	2.05%
9	72.71	85.57	79.14	105	1.73%
10	85.57	98.42	92.00	71	1.17%
11	98.42	111.28	104.85	41	0.67%
12	111.28	124.14	117.71	15	0.25%
13	124.14	136.99	130.56	29	0.48%
Total				6084	100.00%

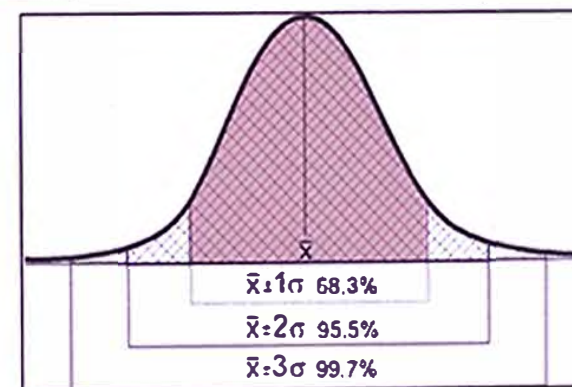
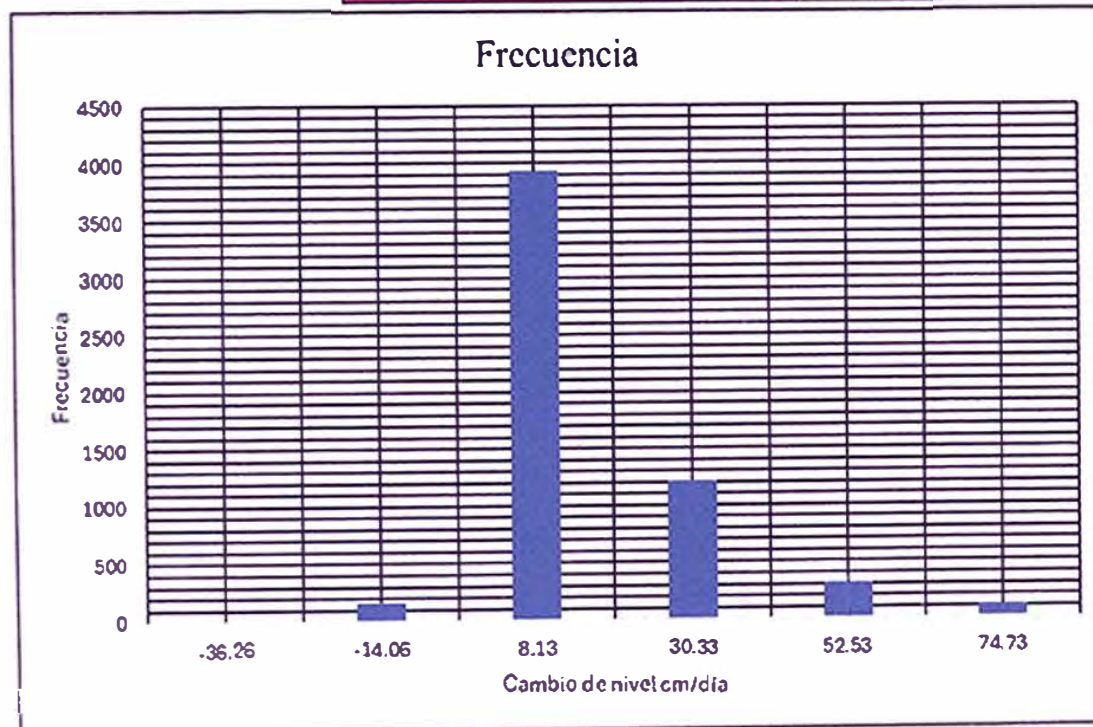
Evaluación Estadístico de la velocidad (cm/día) en la Zona 6, para un periodo de tiempo de 30 minutos.

ZONA 6:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-47.36	-25.16	-2.96	19.23	41.43	63.63	85.83
-47.36	-25.16	-2.96	19.23	41.43	63.63	85.83

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-47.36	-25.16	-36.26	2	0.03%	0.03%
-25.16	-2.96	-14.06	163	2.85%	2.89%
-2.96	19.23	8.13	3931	68.76%	71.65%
19.23	41.43	30.33	1209	21.15%	92.79%
41.43	63.63	52.53	305	5.33%	98.13%
63.63	85.83	74.73	107	1.87%	100.00%

5717

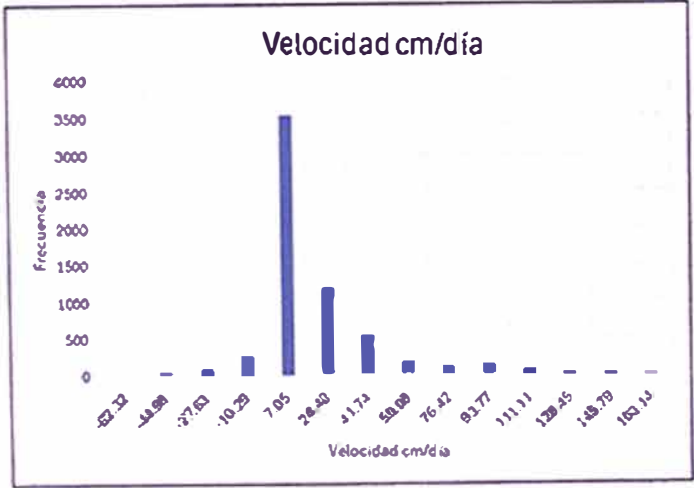


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 6, para un periodo de tiempo de 30 minutos.

ZONA 6:

PROMEDIO	19.70
DESVIACIÓN ESTÁNDAR	28.59
	48.29
	76.89
Máximo	171.81
Mínimo	-70.99



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	171.81		
Minimo	-70.99		
Promedio	19.70	Des Std	28.59
Datos	6264		
Intervalos	14.00		
Rango	242.80		
Ancho de Rango	17.34		

Intervalo	Li	Ls	Marea de Clase	Frecuencia	Relativa
1	-70.99	-53.65	-62.32	3	0.05%
2	-53.65	-36.30	-44.98	45	0.72%
3	-36.30	-18.96	-27.63	101	1.61%
4	-18.96	-1.62	-10.29	275	4.39%
5	-1.62	15.72	7.05	3532	56.39%
6	15.72	33.07	24.40	1175	18.76%
7	33.07	50.41	41.74	522	8.33%
8	50.41	67.75	59.08	170	2.71%
9	67.75	85.09	76.42	111	1.77%
10	85.09	102.44	93.77	144	2.30%
11	102.44	119.78	111.11	85	1.36%
12	119.78	137.12	128.45	40	0.64%
13	137.12	154.47	145.79	42	0.67%
14	154.47	171.81	163.14	18	1.36%
Total				6264	100.00%

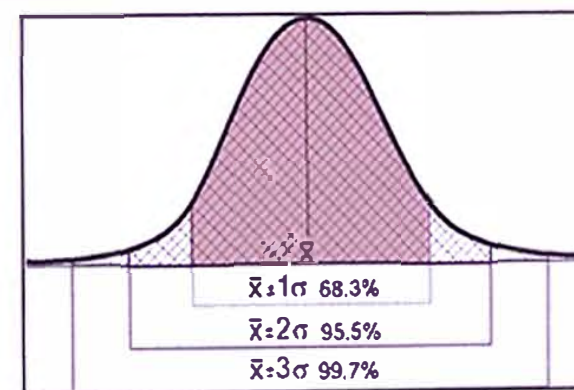
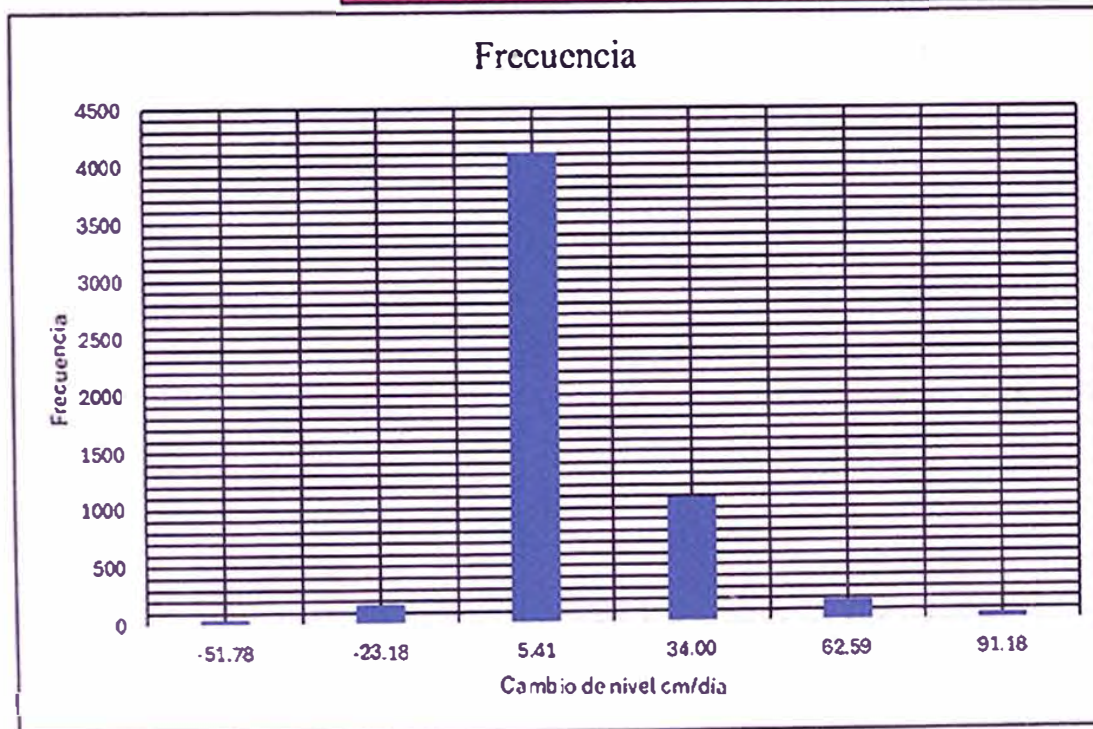
Evaluación Estadístico de la velocidad (cm/día) en la Zona 6, para un periodo de tiempo de 15 minutos.

ZONA 6:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-66.07	-37.48	-8.89	19.70	48.29	76.89	105.48
-66.07	-37.48	-8.89	19.70	48.29	76.89	105.48

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-66.07	-37.48	-51.78	39	0.69%	0.69%
-37.48	-8.89	-23.18	164	2.91%	3.60%
-8.89	19.70	5.41	4111	72.95%	76.56%
19.70	48.29	34.00	1092	19.38%	95.94%
48.29	76.89	62.59	180	3.19%	99.13%
76.89	105.48	91.18	49	0.87%	100.00%

5635

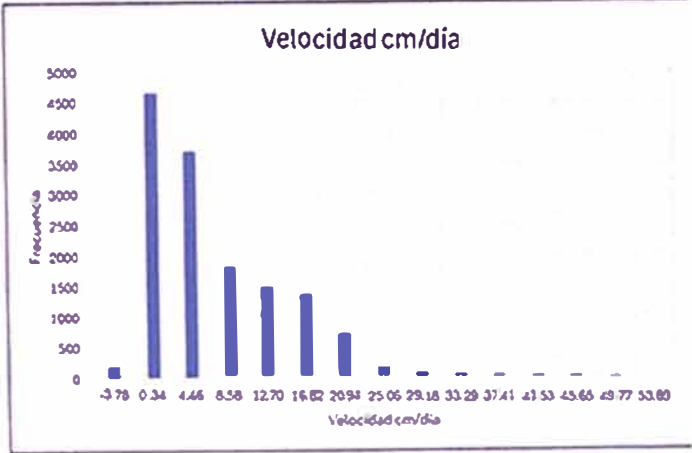


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 6, para un periodo de tiempo de 15 minutos.

ZONA 7:

PROMEDIO	7.39
DESVIACIÓN ESTÁNDAR	7.96
	15.35
	23.31
Máximo	55.95
Mínimo	-5.84



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	55.95		
Minimo	-5.84		
Promedio	7.39	Des Std	7.96
Datos	14378		
Intervalos	15.00		
Rango	61.79		
Ancho de Rango	4.12		

Intervalo	Li	LS	Marca de Clase	Frecuencia	Relativa
1	-5.84	-1.72	-3.78	192	1.34%
2	-1.72	2.40	0.34	4660	32.41%
3	2.40	6.52	4.46	3705	25.77%
4	6.52	10.64	8.58	1802	12.53%
5	10.64	14.76	12.70	1463	10.18%
6	14.76	18.88	16.82	1356	9.43%
7	18.88	23.00	20.94	711	4.95%
8	23.00	27.12	25.06	154	1.07%
9	27.12	31.23	29.18	101	0.70%
10	31.23	35.35	33.29	63	0.44%
11	35.35	39.47	37.41	49	0.34%
12	39.47	43.59	41.53	47	0.33%
13	43.59	47.71	45.65	43	0.30%
14	47.71	51.83	49.77	25	0.17%
15	51.83	55.95	53.89	6	0.04%
Total				14377	100.00%

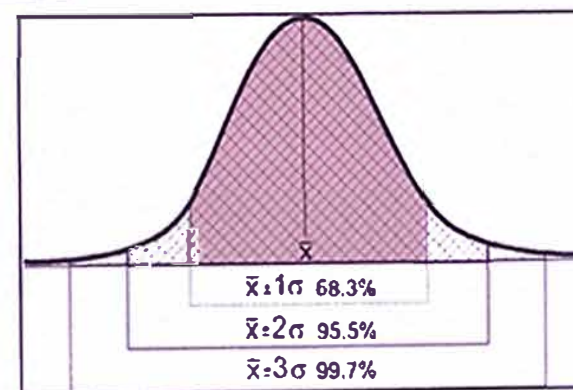
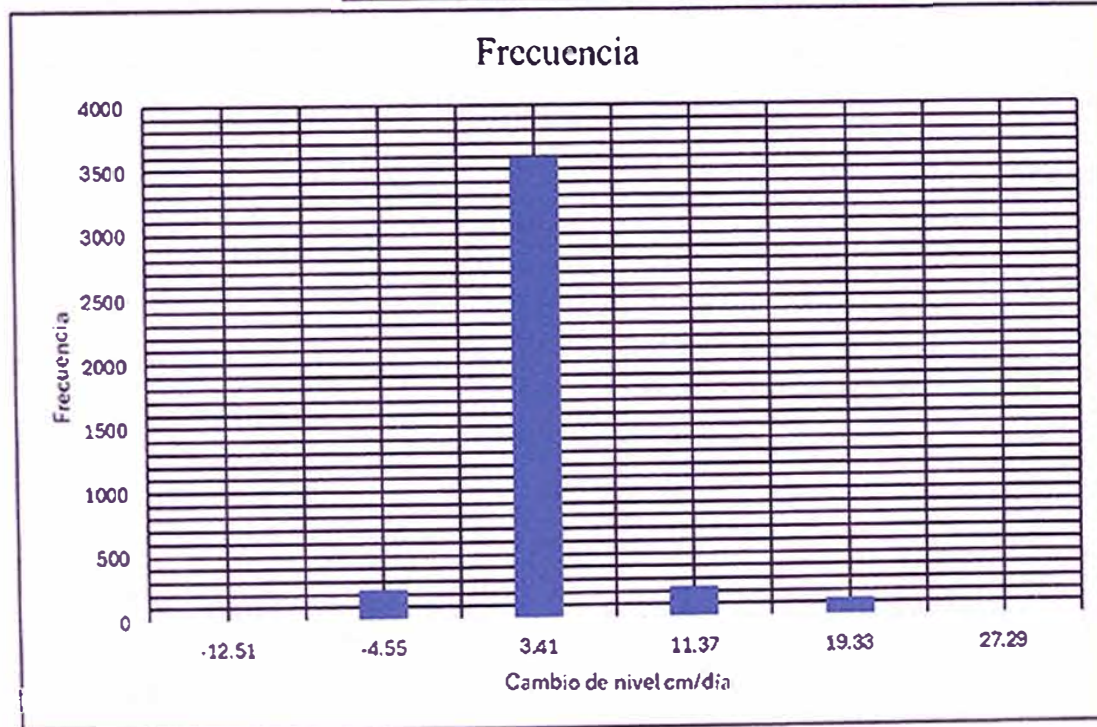
Evaluación Estadístico de la velocidad (cm/día) en la Zona 7, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 7:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-16.49	-8.53	-0.57	7.39	15.35	23.31	31.27
-16.49	-8.53	-0.57	7.39	15.35	23.31	31.27

Li	LS	X	Frecuencia	Relativa	Relativa Acumulada
-16.49	-8.53	-12.51	0	0.00%	0.00%
-8.53	-0.57	-4.55	232	5.52%	5.52%
-0.57	7.39	3.41	3597	85.56%	91.08%
7.39	15.35	11.37	236	5.61%	96.69%
15.35	23.31	19.33	129	3.07%	99.76%
23.31	31.27	27.29	10	0.24%	100.00%

4204



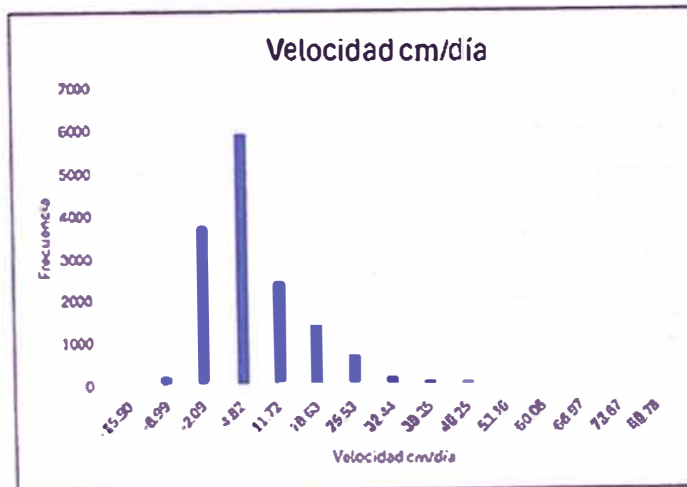
Curva de distribución normal

Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 7, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 7:

PROMEDIO	7.27
DESVIACIÓN ESTÁNDAR	9.67
	16.94
	26.62
Máximo	84.23
Mínimo	-19.35



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	84.23		
Minimo	-19.35		
Promedio	7.27	Des Std	9.67
Datos	14798		
Intervalos	15.00		
Rango	103.58		
Ancho de Rango	6.91		

Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-19.35	-12.44	-15.90	12	0.08%
2	-12.44	-5.54	-8.99	216	1.46%
3	-5.54	1.37	-2.09	3771	25.48%
4	1.37	8.27	4.82	5915	39.97%
5	8.27	15.18	11.72	2399	16.21%
6	15.18	22.08	18.63	1373	9.28%
7	22.08	28.99	25.53	676	4.57%
8	28.99	35.89	32.44	193	1.30%
9	35.89	42.80	39.35	108	0.73%
10	42.80	49.70	46.25	65	0.44%
11	49.70	56.61	53.16	19	0.13%
12	56.61	63.51	60.06	4	0.03%
13	63.51	70.42	66.97	28	0.19%
14	70.42	77.32	73.87	10	0.07%
15	77.32	84.23	80.78	9	0.06%
Total				14798	100.00%

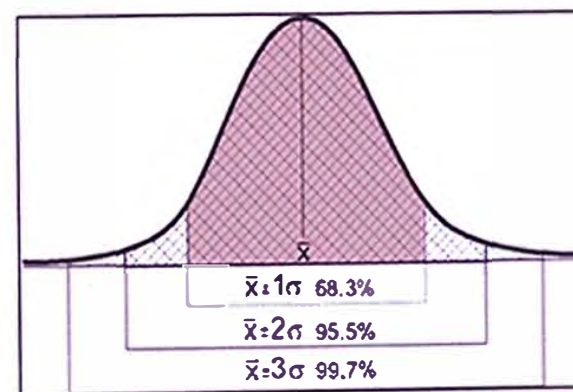
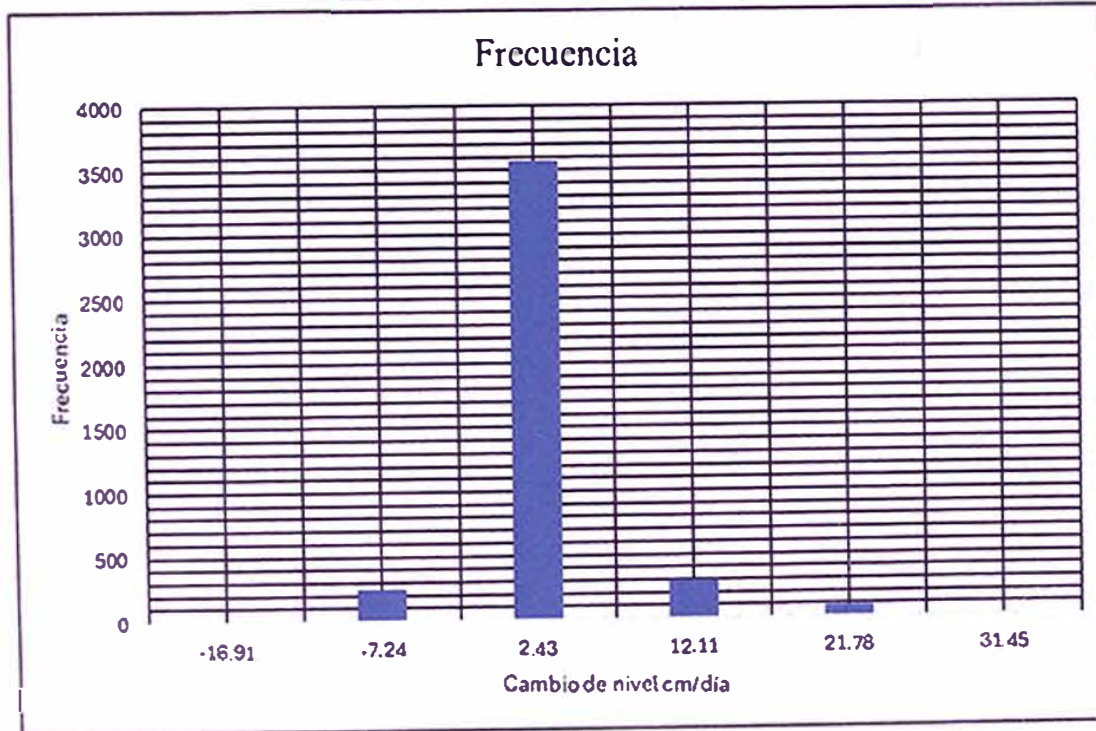
Evaluación Estadístico de la velocidad (cm/día) en la Zona 7, para un periodo de tiempo de 30 minutos.

ZONA 7:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-21.75	-12.08	-2.40	7.27	16.94	26.62	36.29
-21.75	-12.08	-2.40	7.27	16.94	26.62	36.29

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-21.75	-12.08	-16.91	0	0.00%	0.00%
-12.08	-2.40	-7.24	239	5.69%	5.69%
-2.40	7.27	2.43	3564	84.80%	90.48%
7.27	16.94	12.11	304	7.23%	97.72%
16.94	26.62	21.78	86	2.05%	99.76%
26.62	36.29	31.45	10	0.24%	100.00%

4203

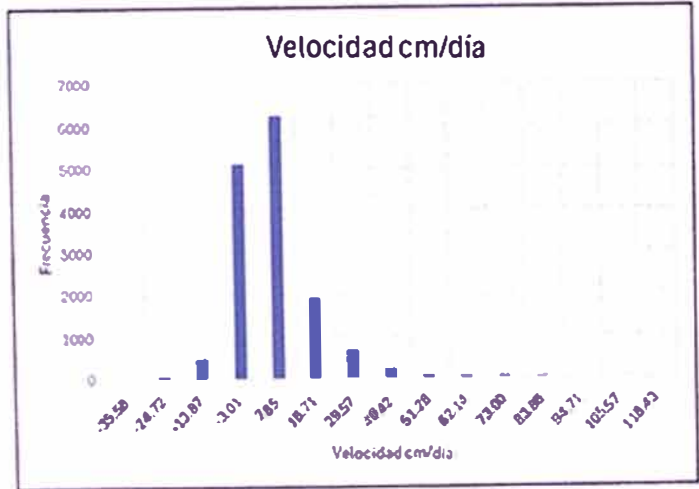


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 7, para un periodo de tiempo de 30 minutos.

ZONA 7:

PROMEDIO	7.21
DESVIACIÓN ESTÁNDAR	12.67
	19.87
	32.54
Máximo	121.86
Mínimo	-41.01



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	121.86		
Minimo	-41.01		
Promedio	7.21	Des Std	12.67
Datos	15008		
Intervalos	15.00		
Rango	162.87		
ho de Rango	10.86		

Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-41.01	-30.15	-35.58	13.00	0.09%
2	-30.15	-19.30	-24.72	84.00	0.56%
3	-19.30	-8.44	-13.87	483.00	3.22%
4	-8.44	2.42	-3.01	5096.00	33.96%
5	2.42	13.28	7.85	6231.00	41.52%
6	13.28	24.14	18.71	1928.00	12.85%
7	24.14	34.99	29.57	697.00	4.64%
8	34.99	45.85	40.42	247.00	1.65%
9	45.85	56.71	51.28	75.00	0.50%
10	56.71	67.57	62.14	52.00	0.35%
11	67.57	78.43	73.00	53.00	0.35%
12	78.43	89.28	83.86	30.00	0.20%
13	89.28	100.14	94.71	9.00	0.06%
14	100.14	111.00	105.57	9.00	0.06%
15	111.00	121.86	116.43	1.00	0.01%
Total				15008.00	100.00%

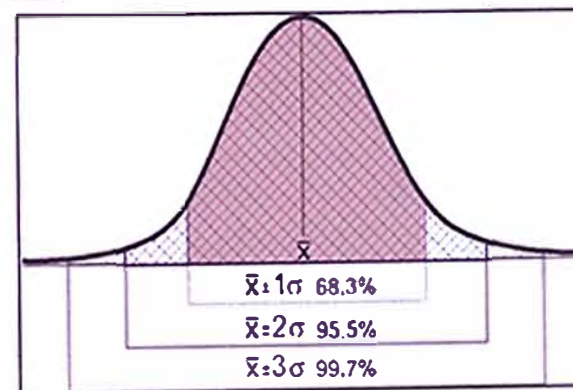
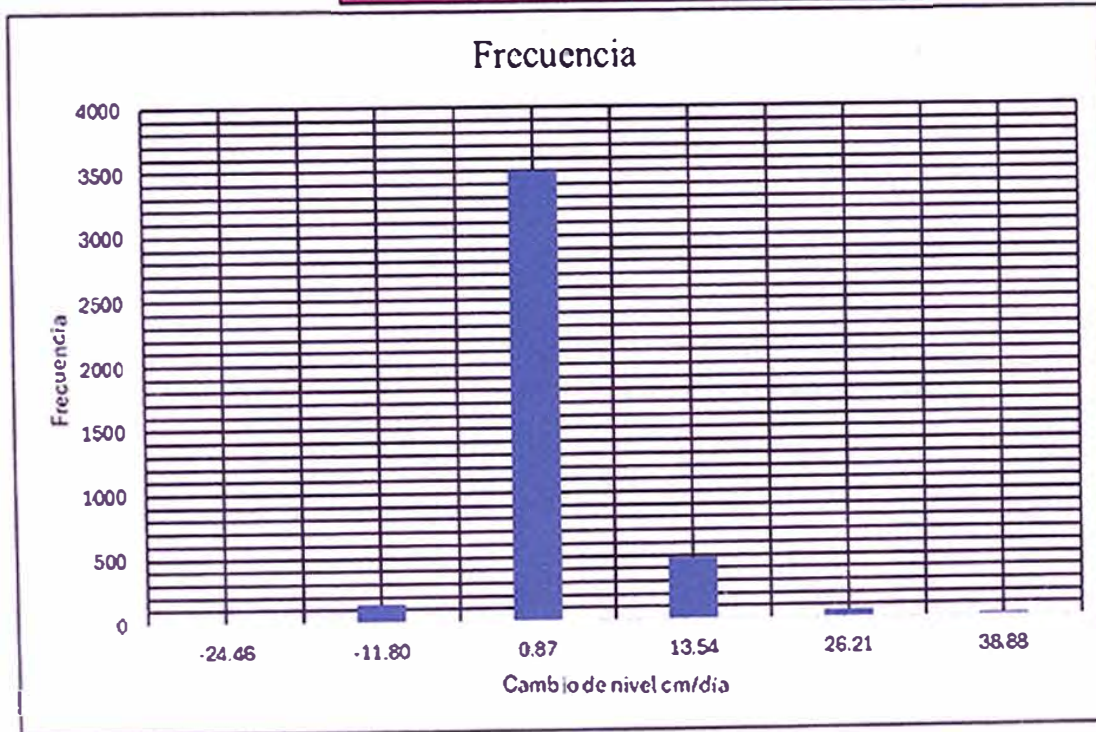
Evaluación Estadístico de la velocidad (cm/día) en la Zona 7, para un periodo de tiempo de 15 minutos.

ZONA 7:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-30.80	-18.13	-5.46	7.21	19.87	32.54	45.21
-30.80	-18.13	-5.46	7.21	19.87	32.54	45.21

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-30.80	-18.13	-24.46	0	0.00%	0.00%
-18.13	-5.46	-11.80	145	3.45%	3.45%
-5.46	7.21	0.87	3500	83.37%	86.83%
7.21	19.87	13.54	476	11.34%	98.17%
19.87	32.54	26.21	61	1.45%	99.62%
32.54	45.21	38.88	16	0.38%	100.00%

4198



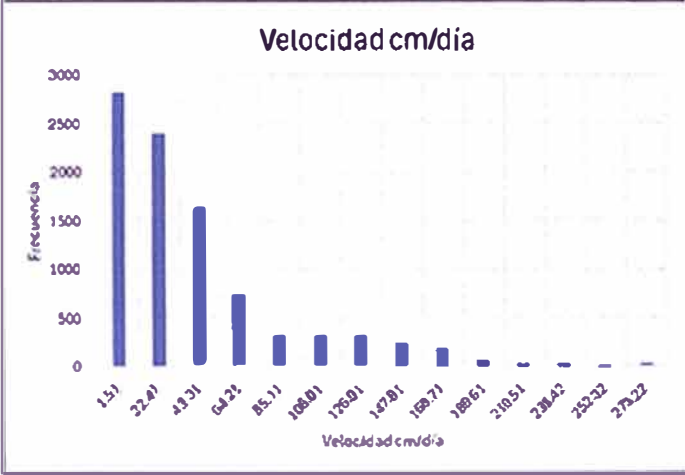
Curva de distribución normal

Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 7, para un periodo de tiempo de 15 minutos.

ZONA 8:

PROMEDIO	42.74
DESVIACIÓN ESTÁNDAR	48.89
	91.63
	140.53
Máximo	283.67
Mínimo	-8.94



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	283.67		
Minimo	-8.94		
Promedio	42.74	Des Std	48.89
Datos	9189		
Intervalos	14.00		
Rango	292.61		
Ancho de Rango	20.90		

Intervalo	Li	Ls	Marea de Clase	Frecuencia	Relativa
1	-8.94	11.96	1.51	2824	30.73%
2	11.96	32.86	22.41	2401	26.13%
3	32.86	53.76	43.31	1632	17.76%
4	53.76	74.66	64.21	731	7.96%
5	74.66	95.56	85.11	320	3.48%
6	95.56	116.46	106.01	318	3.46%
7	116.46	137.36	126.91	325	3.54%
8	137.36	158.26	147.81	241	2.62%
9	158.26	179.16	168.71	189	2.06%
10	179.16	200.06	189.61	81	0.88%
11	200.06	220.96	210.51	41	0.45%
12	220.96	241.87	231.42	42	0.46%
13	241.87	262.77	252.32	23	0.25%
14	262.77	283.67	273.22	20	0.22%
Total				9189	100.00%

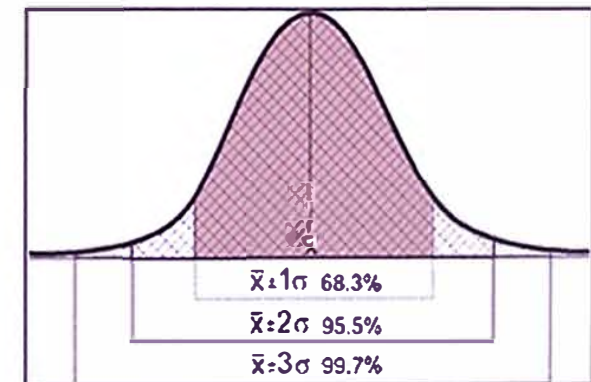
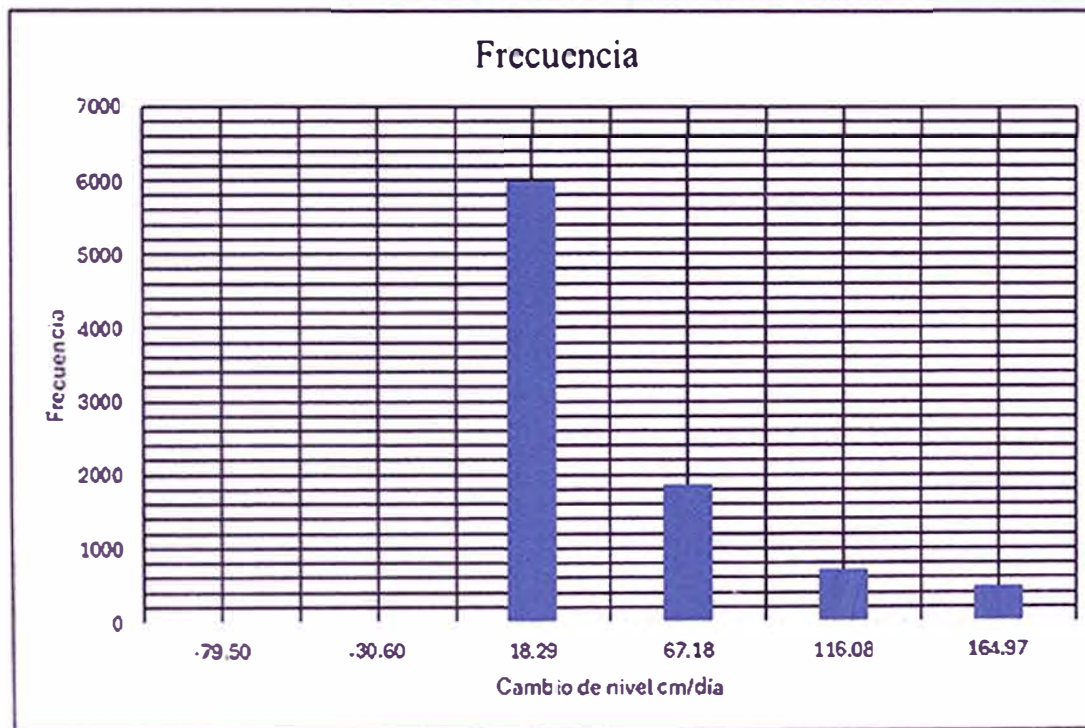
Evaluación Estadístico de la velocidad (cm/día) en la Zona 8, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 8:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-103.94	-55.05	-6.16	42.74	91.63	140.53	189.42
-103.94	-55.05	-6.16	42.74	91.63	140.53	189.42

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-103.94	-55.05	-79.50	0	0.00%	0.00%
-55.05	-6.16	-30.60	4	0.04%	0.04%
-6.16	42.74	18.29	5986	66.22%	66.27%
42.74	91.63	67.18	1866	20.64%	86.91%
91.63	140.53	116.08	706	7.81%	94.72%
140.53	189.42	164.97	477	5.28%	100.00%

9039

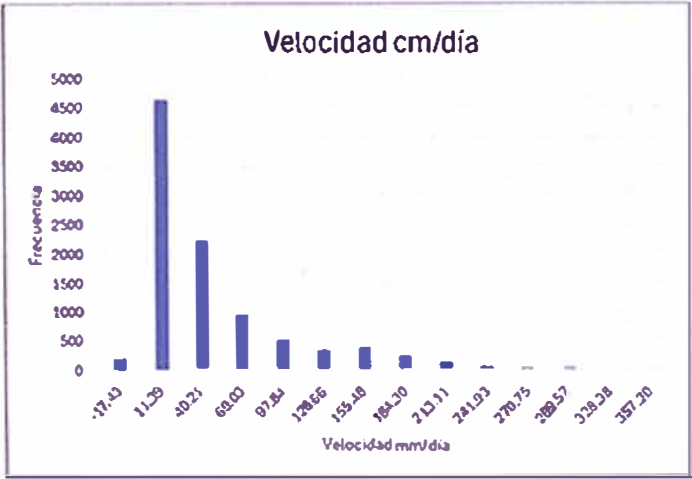


Curva de distribución normal
Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 8, para un periodo de tiempo de 60 minutos (1 hora).

ZONA 8:

PROMEDIO	44.84
DESVIACIÓN ESTÁNDAR	55.22
	100.06
	155.28
Máximo	371.61
Mínimo	-31.84



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	371.61		
Minimo	-31.84		
Promedio	44.84	Des Std	55.22
Datos	9666		
Intervalos	14.00		
Rango	403.44		
Ancho de Rango	28.82		

Intervalo	Li	Ls	Marca de Clase	Frecuencia	Relativa
1	-31.84	-3.02	-17.43	205	2.13%
2	-3.02	25.80	11.39	4634	47.93%
3	25.80	54.62	40.21	2204	22.81%
4	54.62	83.43	69.03	937	9.68%
5	83.43	112.25	97.84	508	5.28%
6	112.25	141.07	126.66	329	3.38%
7	141.07	169.89	155.48	385	4.00%
8	169.89	198.70	184.30	234	2.41%
9	198.70	227.52	213.11	121	1.24%
10	227.52	256.34	241.93	47	0.49%
11	256.34	285.16	270.75	26	0.27%
12	285.16	313.97	299.57	19	0.20%
13	313.97	342.79	328.38	10	0.10%
14	342.79	371.61	357.20	7	0.06%
Total				9666	100.00%

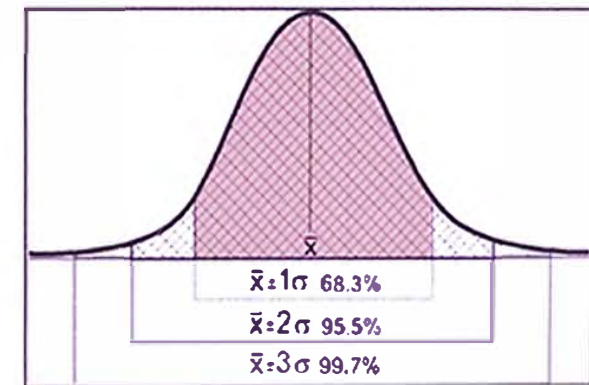
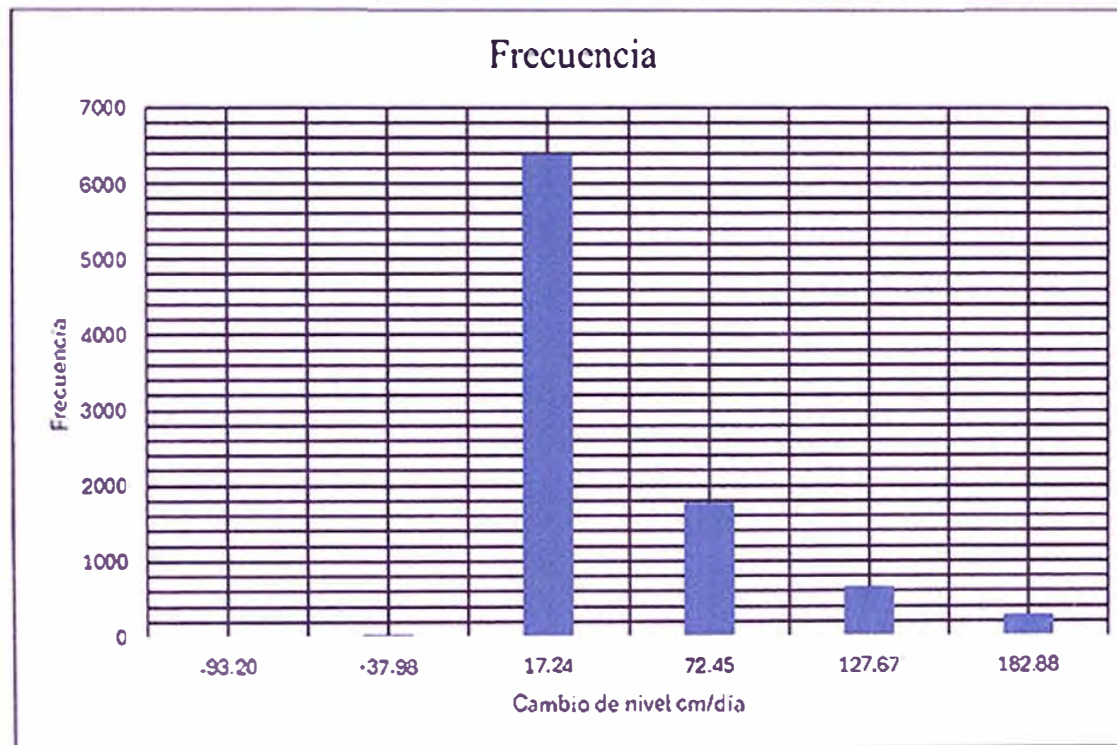
Evaluación Estadístico de la velocidad (cm/día) en la Zona 8, para un periodo de tiempo de 30 minutos.

ZONA 8:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-120.80	-65.59	-10.37	44.84	100.06	155.28	210.49
-120.80	-65.59	-10.37	44.84	100.06	155.28	210.49

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-120.80	-65.59	-93.20	0	0.00%	0.00%
-65.59	-10.37	-37.98	33	0.36%	0.36%
-10.37	44.84	17.24	6397	70.13%	70.50%
44.84	100.06	72.45	1760	19.30%	89.79%
100.06	155.28	127.67	647	7.09%	96.89%
155.28	210.49	182.88	284	3.11%	100.00%

9121



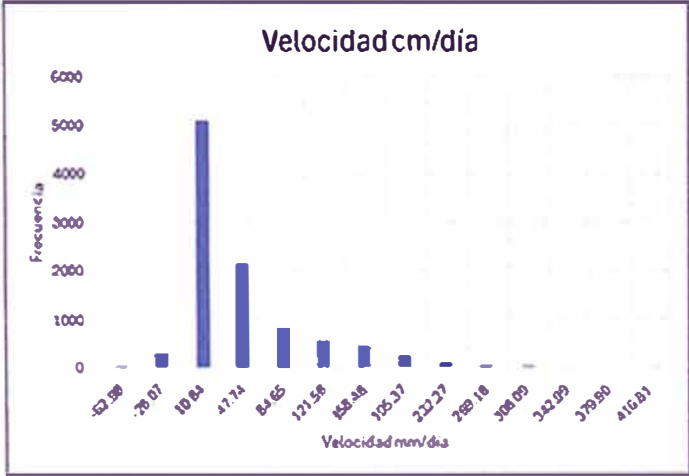
Curva de distribución normal

Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 8, para un periodo de tiempo de 30 minutos.

ZONA 8:

PROMEDIO	45.60
DESVIACIÓN ESTÁNDAR	61.25
	106.85
	168.10
Máximo	435.26
Mínimo	-81.43



Histograma de Frecuencias

(Velocidad) cmm/día			
Maximo	435.26	Des Std	
Minimo	-81.43		
Promedio	45.60		
Datos	9918		
Intervalos	14.00		
Rango	516.69	61.25	
Ancho de Rango	36.91		

Intervalo	Li	Ls	Marea de Clase	Frecuencia	Relativa
1	-81.43	-44.52	-62.98	24	0.24%
2	-44.52	-7.62	-26.07	295	2.97%
3	-7.62	29.29	10.84	5104	51.46%
4	29.29	66.20	47.74	2160	21.78%
5	66.20	103.10	84.65	829	8.36%
6	103.10	140.01	121.56	564	5.69%
7	140.01	176.92	158.46	458	4.62%
8	176.92	213.82	195.37	255	2.57%
9	213.82	250.73	232.27	113	1.14%
10	250.73	287.63	269.18	50	0.50%
11	287.63	324.54	306.09	25	0.25%
12	324.54	361.45	342.99	19	0.19%
13	361.45	398.35	379.90	13	0.13%
14	398.35	435.26	416.81	9	0.09%
Total				9918	100.00%

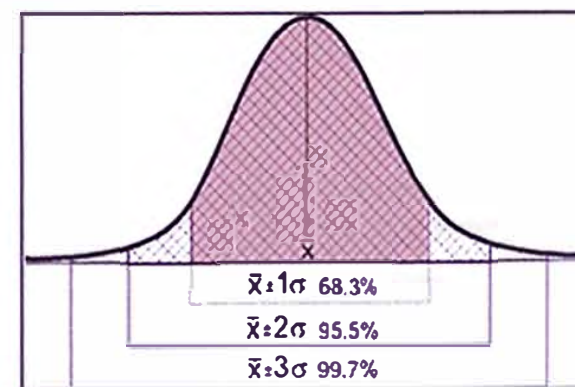
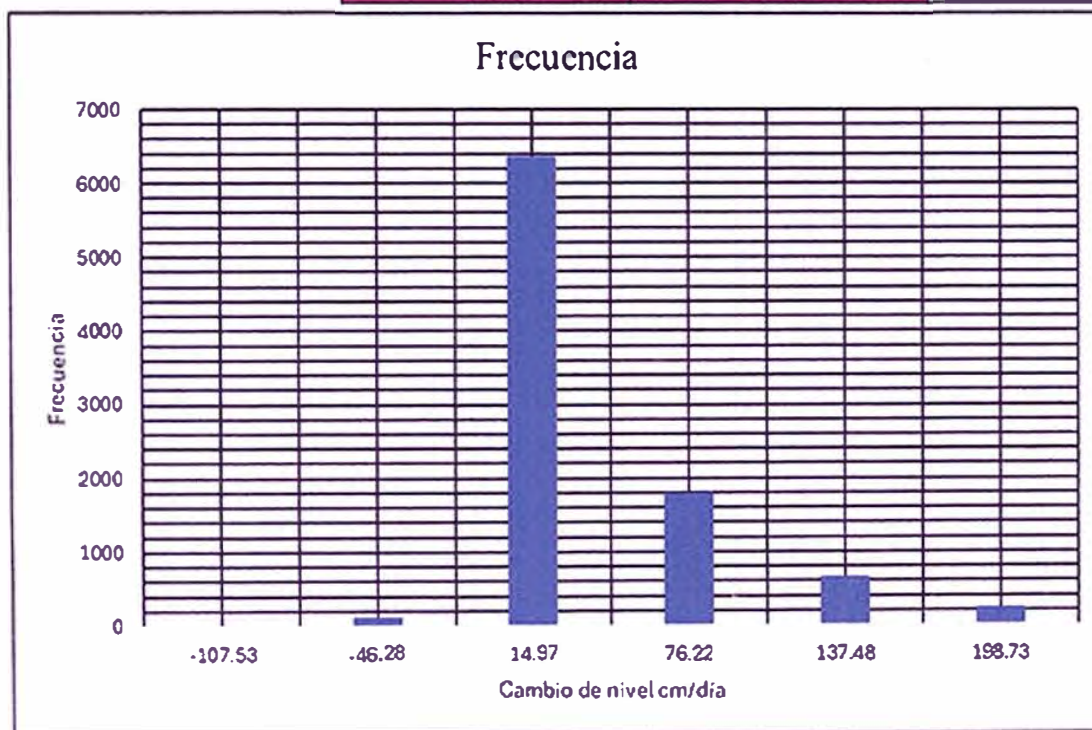
Evaluación Estadístico de la velocidad (cm/día) en la Zona 8, para un periodo de tiempo de 15 minutos.

ZONA 8:

-3DST	-2DST	-1DST	Promedio	+1DST	+2DST	+3DST
-138.16	-76.91	-15.65	45.60	106.85	168.10	229.35
-138.16	-76.91	-15.65	45.60	106.85	168.10	229.35

Li	Ls	X	Frecuencia	Relativa	Relativa Acumulada
-138.16	-76.91	-107.53	2	0.02%	0.02%
-76.91	-15.65	-46.28	114	1.25%	1.27%
-15.65	45.60	14.97	6357	69.50%	70.77%
45.60	106.85	76.22	1792	19.59%	90.36%
106.85	168.10	137.48	658	7.19%	97.55%
168.10	229.35	198.73	224	2.45%	100.00%

9147



Curva de distribución normal

Fuente: García, 2010

Evaluación Estadístico de la velocidad (cm/día) en la Zona 8, para un periodo de tiempo de 15 minutos.