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TESIS PARA OBTENER EL TÍTULO DE ECONOMISTA CON MENCIÓN EN FINANZAS

**Cuantificación del riesgo de liquidez de mercado de una acción de la
Bolsa de Valores de Lima y su incorporación en la valoración del
riesgo de mercado en el periodo 2008-2019**

Área de investigación:

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PRESENTACIÓN

Señores miembros del jurado:

Dando cumplimiento con las disposiciones del Reglamento de Grados y Títulos de la Universidad Privada Antenor Orrego, pongo a vuestra consideración la tesis titulada: “CUANTIFICACIÓN DEL RIESGO DE LIQUIDEZ DE MERCADO DE UNA ACCIÓN DE LA BOLSA DE VALORES DE LIMA Y SU INCORPORACIÓN EN LA VALORACIÓN DEL RIESGO DE MERCADO EN EL PERIODO 2008-2019” luego de haber culminado mi formación en esta Casa de Estudios, donde me he desarrollado profesionalmente para estar al servicio de la sociedad.

El presente trabajo realizado con el propósito de obtener el Título de Economista con mención en Finanzas, es producto de una investigación ardua y constante cuyo propósito es presentar una alternativa de incorporación de la medición del riesgo de liquidez dentro del valor en riesgo tradicional para la acción VOLCABC1 durante los años 2008 y 2019.

Trujillo, abril del 2022

Br. Daniel Anthony Rojas Pardo

DEDICATORIA

A Dora, Flavio, Franco, Felipe y Carla, quiénes me han apoyado siempre, creyendo en mí, enseñándome a privarme de algunas cosas para lograr mis objetivos y aconsejándome para a aprovechar mi etapa universitaria e iniciar bien mi vida profesional.

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A mi asesor, quien me ha apoyado no sólo con el desarrollo de esta investigación, sino aconsejándome con una decisión importante en mi crecimiento profesional.

El autor

RESUMEN

El trabajo de investigación se ha elaborado con el espíritu de contrastar si la métrica tradicional de riesgos subestima el riesgo de liquidez en un mercado con poca liquidez y profundidad como la Bolsa de Valores de Lima. Para ello, se procede con cuantificar el riesgo de liquidez de mercado para la acción VOLCABC1, basándonos el comportamiento de los spreads de precios de compra y venta. El objetivo general consiste en incorporar dicho comportamiento en la metodología tradicional de valoración del riesgo de mercado (VaR), durante el periodo 2008 – 2019. Para la estimación econométrica se utiliza un modelo GARCH (1,1). La muestra incluye información diaria del 02 de enero 2008 al 31 de diciembre 2019 de los precios medios de cotización, así como los precios de compra y venta.

Para poder explicar el proceso de incorporación del riesgo de liquidez en la medición tradicional de riesgo de mercado, se debe analizar la fluctuación del precio de las cotizaciones a fin de calcular la valoración tradicional y el comportamiento del spread de precios de compra y venta de la acción para analizar el riesgo de liquidez de mercado. En el periodo analizado, vemos que el VaR tradicional, el cual no incorpora el comportamiento del spread de precios de compra y venta, subestimó la cuantificación del riesgo de liquidez de mercado, pues este riesgo agrega en promedio 4.98% a la medición tradicional por lo cual se requiere que este efecto sea recogido mediante la aplicación de métricas como el VaR ajustado por liquidez (Ladj-VaR).

Palabras clave: Riesgo de mercado, Riesgo de liquidez, Value-at-Risk, Ladj-VaR.

ABSTRACT

This research develops a quantification of the market liquidity risk for the VOLCABC1 share, basing ourselves on the behavior of the bid-ask spreads, the general objective of which is to incorporate said risk into the traditional market risk assessment methodology, during the 2008 period - 2019. For the econometric estimation, a GARCH (1,1) model is used. The sample includes daily information from January 2, 2008 to December 31, 2019 of the average trading prices, as well as the bid and ask prices.

In order to explain the process of incorporating liquidity risk in the traditional measurement of market risk, the fluctuation of the price of the quotations must be analyzed in order to calculate the traditional valuation and the bid-ask spread of the share to analyze the risk market liquidity. In the analyzed period, it was found that liquidity risk adds an average of 4.98% to the traditional risk measurement.

Keywords: Market risk, Liquidity risk, Value-at-Risk, Ladj-VaR.

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1. INTRODUCCIÓN

1.1. Formulación del problema

1.1.1. Realidad problemática

El seguimiento al grado de liquidez de activos fue, académicamente, institucionalizado por Amihud & Mendelson (1986), quienes señalaron que “existe una relación positiva entre la mayor volatilidad de los retornos de mercado y el nivel de iliquidez de los activos”. Posteriormente, con la crisis financiera del 2008, se prestó mayor atención a los controles y métodos de gestión del riesgo de liquidez en las instituciones de financiamiento directo e indirecto.

En ese contexto, se hace importante analizar el análisis de riesgo de liquidez en el mercado peruano, pues la capacidad de absorción de un flujo mayor de liquidaciones es menor en un mercado poco desarrollado como lo es la Bolsa de Valores de Lima. Para poder contextualizar esta investigación, debemos entender dos tópicos fundamentales: i) Caracterización de la Bolsa de Valores de Lima (BVL), es decir del Mercado de Capitales Peruano; y ii) Metodología de cuantificación del riesgo financiero. El primer tópico busca explicar las características específicas de baja liquidez de la BVL, mientras el segundo trata de explicar cómo esta característica es subestimada por las metodologías tradicionales de valoración del riesgo de mercado.

Caracterización de la Bolsa de Valores de Lima

La Bolsa de Valores de Lima (BVL) es un mercado de capital, este mercado es aquel en el que dos agentes comercializan instrumentos de renta variable o representativos de capital (comúnmente acciones) e instrumentos de renta fija o representativos de deuda (comúnmente bonos). Estos dos agentes son los superavitarios y deficitarios, los primeros realizan operaciones buscando la diversificación de un portafolio de inversiones, mientras que los segundos buscan el financiamiento de inversiones y/o la reestructuración de deuda,

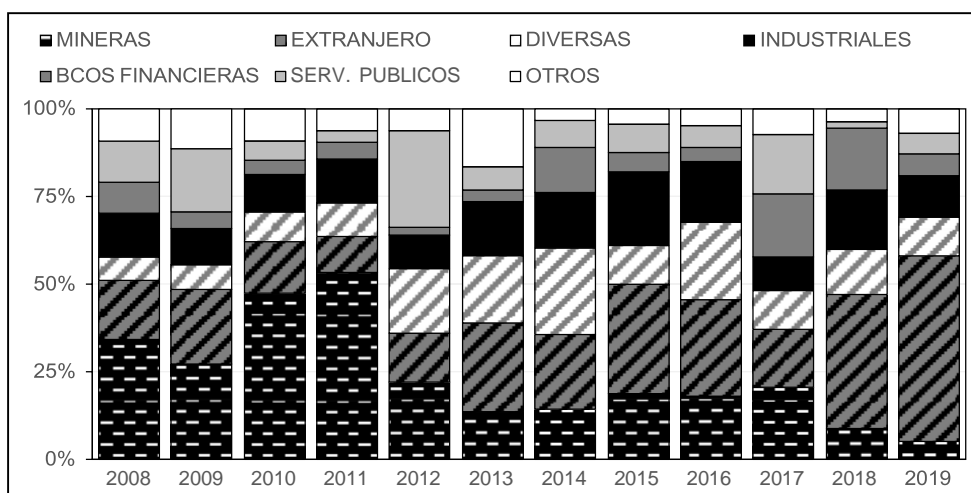
permitiendo que las empresas emisoras de estos instrumentos puedan crecer de una manera sostenida.

En ese sentido, la BVL se caracteriza por ser poco profunda y de baja amplitud, la primera característica implica que un mercado presenta un bajo número de operaciones, mientras que la segunda característica, hace referencia a un mercado con bajo volumen de activos financieros negociados en el mercado.

Como se indicó anteriormente, en la BVL se negocian principalmente acciones y bonos, teniendo como principales demandantes a inversionistas institucionales, tales como Administradora de Fondos de Pensiones (AFP), compañías de seguros y fondos mutuos. Generalmente, en la BVL, existe poca oferta de valores, lo cual implica una baja liquidez, revelando una gran oportunidad de desarrollo. Respecto a los instrumentos listados BVL, en el 2019, el monto negociado en instrumentos de renta variable fue de S/ 12.1 millones. Además, durante el periodo de análisis, observamos que la negociación de la BVL se concentra principalmente en acciones mineras y valores del extranjero, presentando una participación promedio de 48%, lo que muestra el impacto de los movimientos de los precios de los minerales y el desempeño de empresas en el exterior.¹

¹ Esta información puede ser verificada en el Informe Bursátil de la BVL a julio 2020, obtenido mediante https://www.bvl.com.pe/pubdif/infmen/M2020_07.pdf.

Figura 1: Composición del monto negociado 2008-2019



Fuente: BVL.

En esa misma línea, podemos concluir que la BVL presentó características de poca liquidez, lo cual es corroborado en el Reporte de Estabilidad Financiera del Banco Central de Reserva del Perú (BCRP) del mes de noviembre 2019.

Tabla 1: La Liquidez en el Mercado de Capitales

La liquidez del mercado de capitales doméstico se mantiene estructuralmente baja, especialmente en el mercado bursátil, lo que podría acarrear una reclasificación de la Bolsa de Valores de Lima por parte de la MSCI y afectar el precio de los valores transados en dicho mercado

El potencial impacto de una reclasificación de la BVL de mercado emergente a mercado frontera por parte de la MSCI sería significativo. En este escenario se prevé un riesgo financiero y de tipo de cambio relevante, asociado a la salida de los inversionistas institucionales globales que asignan sus portafolios de inversión en mercados emergentes de acuerdo con los índices de MSCI. Ello podría generar presiones deprecatorias sobre la moneda doméstica y además impactaría adversamente a la bolsa de valores local.

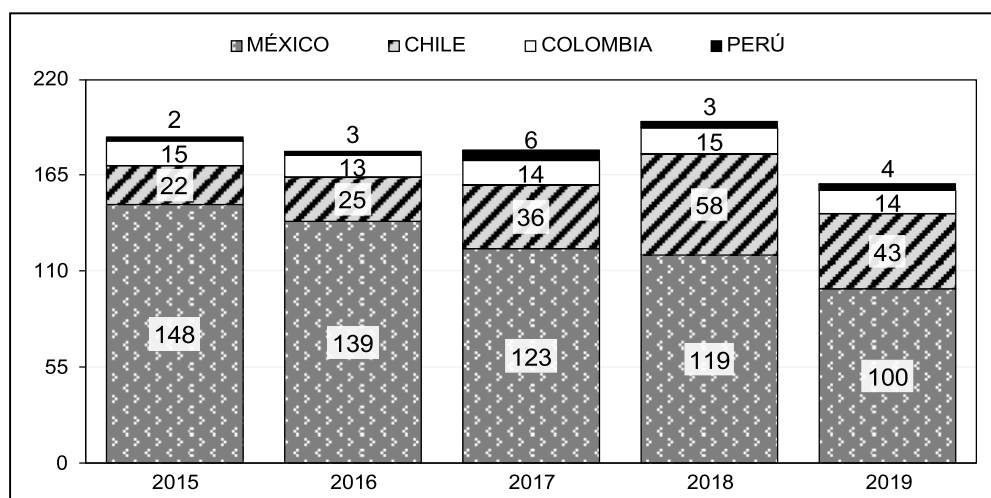
Específicamente, se ha observado que las acciones que listan en bolsas clasificadas como emergentes por la MSCI se negocian a múltiplos significativamente superiores en comparación con las que se encuentran listadas en bolsas clasificadas como mercado frontero.

A pesar de las diversas medidas implementadas, la bolsa local aún tiene una baja liquidez en comparación con otros mercados emergentes. Además, su desempeño está altamente correlacionado con los precios de los minerales, lo que lo hace altamente cíclico y vulnerable a factores externos. (...)

Fuente: Reporte de Estabilidad Financiera BCRP (Nov-19).

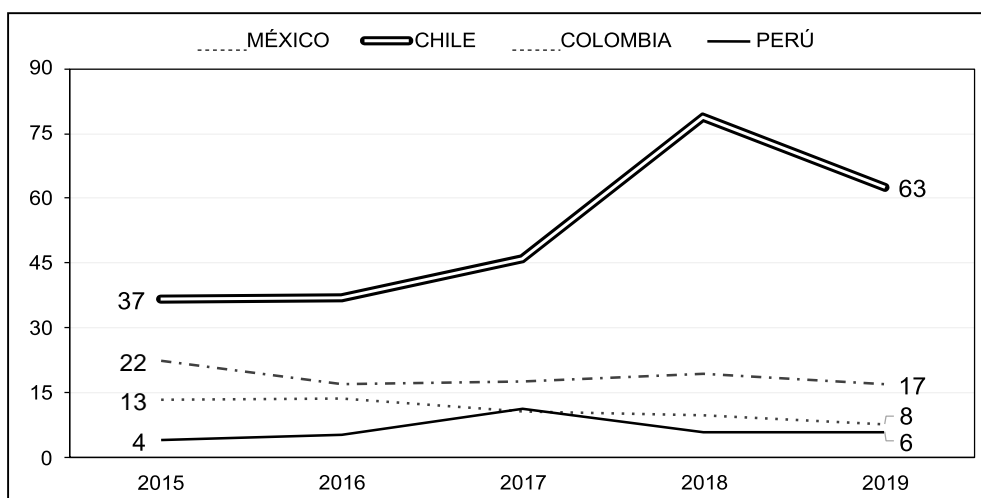
Lo anterior puede complementarse al observar que el volumen negociado en la BVL ha sido el menor a los volúmenes de otros mercados similares, es decir, de los integrantes del Mercado Integrado Latinoamericano (MILA). Tomando la información desde el ingreso de México al MILA, en 2015, la BVL ha llegado a representar sólo el 2.3% del volumen total negociado en 2019, el cual representa el 6% del PBI nominal del Perú, el menor comparado contra los otros países integrantes del MILA.

Figura 2: Volumen Negociado YTD en MILA (En miles de millones de dólares)



Fuente: MILA.

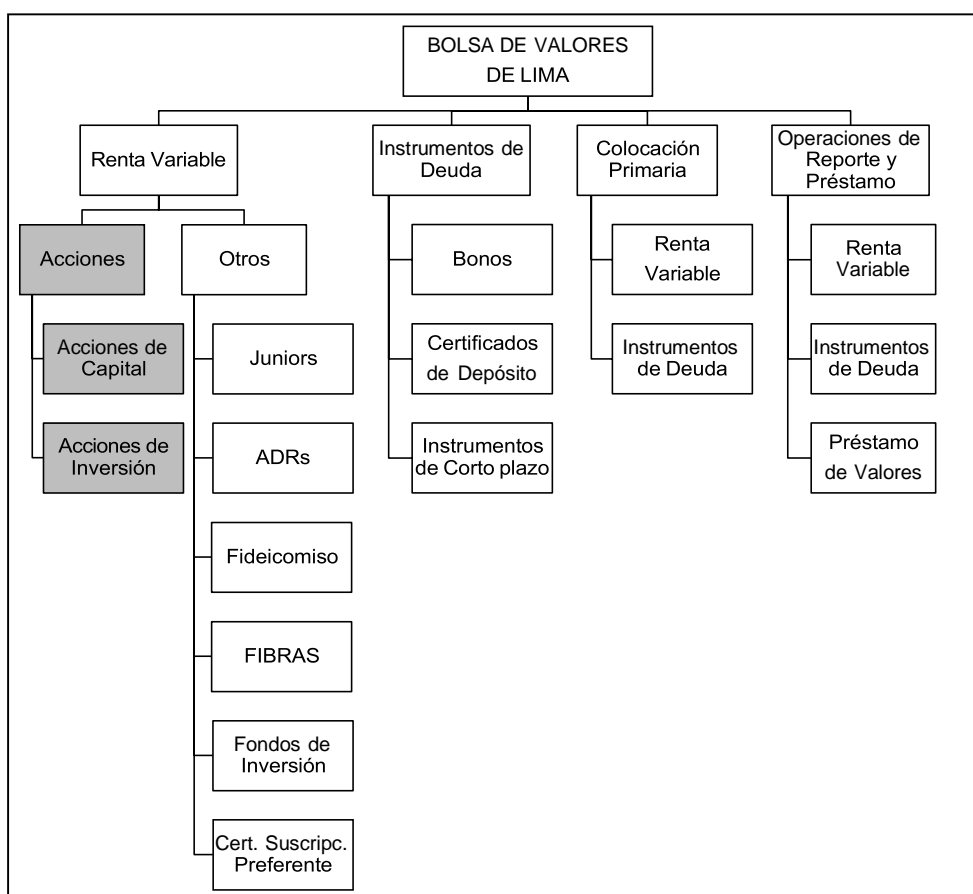
Figura 3: Volumen Negociado (en %PBI)



Fuente: Bloomberg, MILA.

En el contexto descrito, la investigación se centrará en la valoración del riesgo de mercado de una acción de la BVL, que es un instrumento de renta variable, tal como se ilustra en el siguiente esquema:

Figura 4: Estructura de la Bolsa de Valores de Lima



Fuente: BVL.

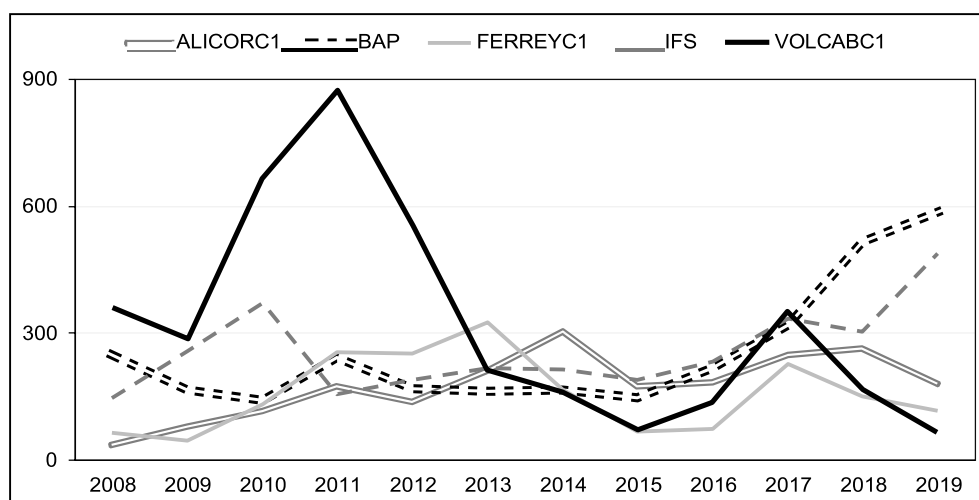
Para definir el activo sobre el cual se centrará la cuantificación del riesgo, se elegirá a la acción más representativa de la BVL, para lo cual se utilizarán los siguientes criterios de selección: i) de manera constante, la acción debe encontrarse dentro de las primeras 50 acciones con mayor monto negociado anual; ii) la bolsa primaria de la acción debe ser la BVL; y iii) la acción con mayor monto negociado promedio anual. Al utilizar estos filtros, encontramos que VOLCABC1 es la acción que cumple con ellos y sobre la cual se realizará la presente investigación.

Tabla 2: Instrumentos de Evaluación Inicial

NEMONICO	TOP 50	BOLSA PRIMARIA	MONTO NEG PROMEDIO
ALICORC1	Si	Lima	176
BAP	Si	New York	257
BVN	Si	New York	100
CPACASC1	Si	Lima	83
CVERDEC1	Si	Lima	91
FERREYC1	Si	Lima	156
GRAMONC1	Si	Lima	132
IFS	Si	New York	259
MINSURI1	Si	Lima	92
VOLCABC1	Si	Lima	326
CONTINC1	Si	Lima	88

Fuente: BVL.

Figura 5: Monto Negociado – Top 5 Acciones (En millones USD)



Fuente: BVL.

Metodología de cuantificación del riesgo financiero

En el análisis de riesgos de un activo financiero, nos encontramos con dos conceptos importantes, la rentabilidad y el riesgo, esta última hace referencia a la incertidumbre producida en la rentabilidad de una inversión. Este nivel de incertidumbre aumenta cuando existe un alto grado de dispersión en los rendimientos. Para cuantificar dicha incertidumbre, la metodología más utilizada es el valor en riesgo (VaR, por sus siglas en inglés), la cual busca calcular la máxima pérdida que podría registrarse en un periodo de tiempo y un nivel de confianza determinado, para ello, se asume que el activo evaluado se negocia en un mercado profundo y desarrollado, esto quiere decir que los agentes que poseen estos instrumentos siempre estarán en la capacidad de liquidar una posición al precio de mercado.

Sin embargo, la valoración del riesgo de mercado de un activo no debe de subestimar la cuantificación del riesgo de liquidez, esto quedó evidenciado con la crisis financiera del 2008, enfatizando el poco control en las estrategias de inversión que permitieron un aumento desordenado del riesgo de liquidez, esto debido a la incertidumbre que presenta la negociación de un activo financiero, debido a que existe la posibilidad de que un activo no se pueda liquidar en el momento oportuno y a un precio razonable.

Complementariamente, si bien el riesgo de liquidez de un activo incrementa ante escenarios de crisis, no es de exclusividad para dicho contexto, puesto que este riesgo es relativamente mayor en los mercados emergentes, como es el caso de la BVL, caracterizados por desarrollarse en países con un proceso acelerado de crecimiento y desarrollo económico, pero con mercados financieros mucho más pequeños, lo cual genera que estos sean atractivos en cuanto a rentabilidad, pero con una incertidumbre mucho mayor.

1.2. Justificación

1.2.1. Teórica

El presente trabajo de investigación busca aportar a la escasa investigación básica y aplicada sobre acciones en la BVL, la cual representa un espacio de investigación en este campo.

1.2.2. Práctica

La presente investigación busca aportar a la gestión de riesgos financieros, mostrando un modelo calibrado que incorpora la cuantificación del riesgo de liquidez de mercado dentro de la valoración del riesgo de mercado para un mercado de capitales emergente, como es la BVL. Esto puede ser utilizado por los inversionistas no institucionales, ayudando a tener una mejor dimensión del riesgo, mejorando con ello el proceso de asignación de recursos.

1.2.3. Metodológica

La elaboración de esta investigación busca revelar la importancia de la cuantificación del riesgo de liquidez de mercado en la metodología tradicional de valoración del riesgo, en ese sentido, el presente documento busca proponer una herramienta alternativa al VaR tradicional, que contemple las pérdidas adicionales que pueden sufrir los inversionistas por los riesgos de liquidez de mercado en sus carteras. Asimismo, esta propuesta busca complementar los resultados obtenidos por Indacochea & Olcese (2008) y Cisneros Prado (2018), incorporando escenarios desde el 2008 hasta el 2019, dentro de los cuales destacan movimientos en la política monetaria de la Reserva Federal (FED), el tapering de la FED (retiro progresivo de los estímulos económicos planteados por la FED en la economía de los Estados Unidos), la crisis de deuda soberana en Europa y, en la parte final del periodo evaluado, el inicio del impacto de la cuarentena producto de la pandemia del Covid-19.

1.3. Objetivos de la investigación

1.3.1. Objetivo general

Cuantificar el riesgo de liquidez de mercado de la acción VOLCABC1 e incorporarlo en su valoración del riesgo de mercado durante el periodo 2008 - 2019.

1.3.2. Objetivos específicos

- Determinar un factor de ajuste por riesgo de liquidez de mercado que permita incorporar este riesgo en la metodología tradicional de valoración del riesgo de mercado.
- Analizar los rendimientos del precio de VOLCABC1 y su spread de liquidez, a fin de comprender el comportamiento y asociación de estas dos variables.
- Estimar las pérdidas esperadas para la acción VOLCABC1 y comparar los resultados obtenidos con el uso de las metodologías de Valor en Riesgo tradicional y la metodología de Valor en Riesgo ajustado por Liquidez.
- Realizar pruebas retrospectivas a los resultados obtenidos por metodología de Valor en Riesgo ajustado por Liquidez, a fin de que sea una mejor herramienta para la gestión del riesgo de la acción VOLCABC1.

2. MARCO DE REFERENCIA

2.1. Antecedentes del estudio

2.1.1. Antecedentes internacionales

JP Morgan (1996). RiskMetrics™-Technical Document

Este documento proporciona una descripción detallada de un conjunto de técnicas y datos para medir los riesgos de mercado en carteras de instrumentos de renta fija, acciones, divisas, productos

básicos y sus derivados emitidos en más de 30 países. La motivación de esta metodología se basa en:

1. Promover una mayor transparencia de los riesgos de mercado. La transparencia es la clave para una gestión de riesgos eficaz.
2. Establecer un punto de referencia para la valoración del riesgo de mercado. La ausencia de un punto de referencia común para los riesgos de mercado dificulta la comparación de diferentes enfoques y medidas de los riesgos de mercado. Los riesgos son comparables solo cuando se miden con el mismo criterio.
3. Brindar a sus clientes un asesoramiento sólido, incluido el asesoramiento sobre la gestión de sus riesgos de mercado. Describen la metodología RiskMetrics como una ayuda para que los clientes comprendan y evalúen ese asesoramiento.

Este documento introduce el concepto Value-at-Risk (VaR), el cual es una medida del potencial cambio máximo en el valor de una cartera de instrumentos financieros con una probabilidad determinada en un horizonte preestablecido. De esta manera, el VaR responde a la pregunta: ¿cuánto puedo perder con un x% de probabilidad en un horizonte de tiempo determinado?

Además, proponer el siguiente proceso de cálculo para el VaR:

1. El primer paso en el cálculo del VaR es que el usuario defina tres parámetros: (1) horizonte de pronóstico del VaR — el tiempo durante el cual se calcula el VaR, (2) nivel de confianza — la probabilidad de que el cambio realizado en la cartera sea menor que la predicción del VaR, y (3) la moneda base.
2. Para una cartera determinada, una vez que se han identificado los flujos de efectivo y se han ajustado al mercado, es necesario asignarlos a los vértices de RiskMetrics.
3. Habiendo mapeado todas las posiciones, se debe tomar una decisión sobre cómo calcular el VaR. Si el usuario está dispuesto

a asumir que el rendimiento de la cartera es aproximadamente condicionalmente normal.

4. Si la cartera del usuario está sujeta a un riesgo no lineal en la medida en que el supuesto de normalidad condicional ya no es válido, entonces el usuario puede elegir entre dos metodologías: delta-gamma y Monte Carlo estructurado.

El aporte principal de JP Morgan (1996) a la presente investigación es el diseño de una herramienta para medir el riesgo de mercado a un activo financiero, teniendo en cuenta el tratamiento de la volatilidad del precio del activo. Esta herramienta es de práctica común para valorar el riesgo de mercado.

Jarrow, R. y A. Subramanian (1997). Mopping up liquidity

Esta investigación tiene el propósito de proveer una metodología rigurosa, basada en teorías económicas sólidas, que permita cuantificar el riesgo de liquidez endógena, incorporándolo dentro del cálculo del valor en riesgo de un activo. Para ello, los autores consideran como referencia a la liquidación óptima de una inversión en un horizonte fijo. Además, se considera los costos y beneficios de las ventas en bloque por montos frente a la liquidación lenta y propusieron un ajuste de liquidez endógena a la medida del VaR tradicional. Para tal fin, el modelo requiere tres variables que aumentan el nivel de pérdida, los cuales son: i) descuento de liquidez; ii) volatilidad del descuento de liquidez; y iii) la volatilidad del horizonte temporal de liquidación. Si bien el modelo propuesto es robusto, las estimaciones de estas variables sólo pueden determinarse empíricamente con la introducción acompañante de un sesgo significativo, requiriendo el conocimiento de la relación entre el tamaño del monto negociado, el descuento por cantidad y el rezago de la liquidación. Claramente, no hay una fuente suficiente de datos fácilmente disponible para cuantificar esas relaciones, lo que obliga al investigador a confiar en estimaciones subjetivas.

El aporte principal de Jarrow, R. y A. Subramanian (1997) es plantear el primer método de valoración del riesgo en contemplar el efecto del riesgo de liquidez de mercado, medido en los diferenciales de compra y venta. Es así, que los autores plantean un VaR ajustado por liquidez endógena, incorporando volúmenes de activos transados y desviaciones del precio de mercado (descuento por liquidez).

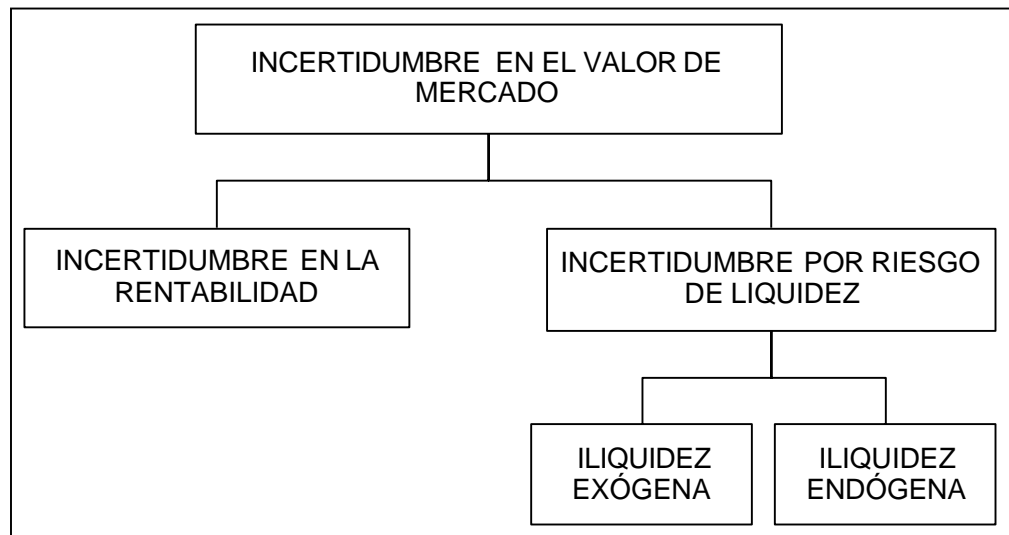
Bangia, A.; Diebold, Franxis X., Schuermann, Til y Stroughair, Jhon D. (1998). Modeling Liquidity Risk: With Implications for Traditional Market Risk Measurement and Management

En este documento, los autores hacen hincapié que la gestión del riesgo de mercado en condiciones normales se ha centrado tradicionalmente en la distribución de los cambios en el valor de la cartera por movimientos en el precio medio. Por lo tanto, el riesgo de mercado está realmente en una forma pura, asumiendo el riesgo en un mercado idealizado sin distorsiones para obtener el precio justo. Sin embargo, muchos mercados poseen un componente de liquidez adicional que surge de que un agente no toma en cuenta el precio medio al liquidar su posición, sino el precio medio menos el spread de precios de compra y venta. Bangia et al. (1998) argumentan que el riesgo de liquidez asociado con la incertidumbre del diferencial, particularmente para activos de mercados emergentes o poco negociados bajo condiciones de mercado adversas, es una parte importante del riesgo general y, por lo tanto, es un componente importante para modelar. Los autores desarrollan una metodología simple de riesgo de liquidez que puede integrarse fácil y sin problemas en modelos estándar de valor en riesgo, y demuestran que ignorar el efecto de liquidez puede producir subestimaciones del riesgo de mercado en los mercados emergentes hasta un 25-30%.

Los autores dividen conceptualmente el riesgo de mercado general en dos partes: la incertidumbre que surge de los rendimientos de los activos, que se puede considerar como un componente de riesgo de

mercado puro, y la incertidumbre debida al riesgo de liquidez. Ello contrasta con el enfoque de VaR tradicionales como el RiskMetrics de JP Morgan (1996), puesto que se centran en capturar el riesgo por la incertidumbre en los rendimientos de los activos, pero ignora la incertidumbre debido al riesgo de liquidez.

Figura 6: Taxonomía del Riesgo de Mercado



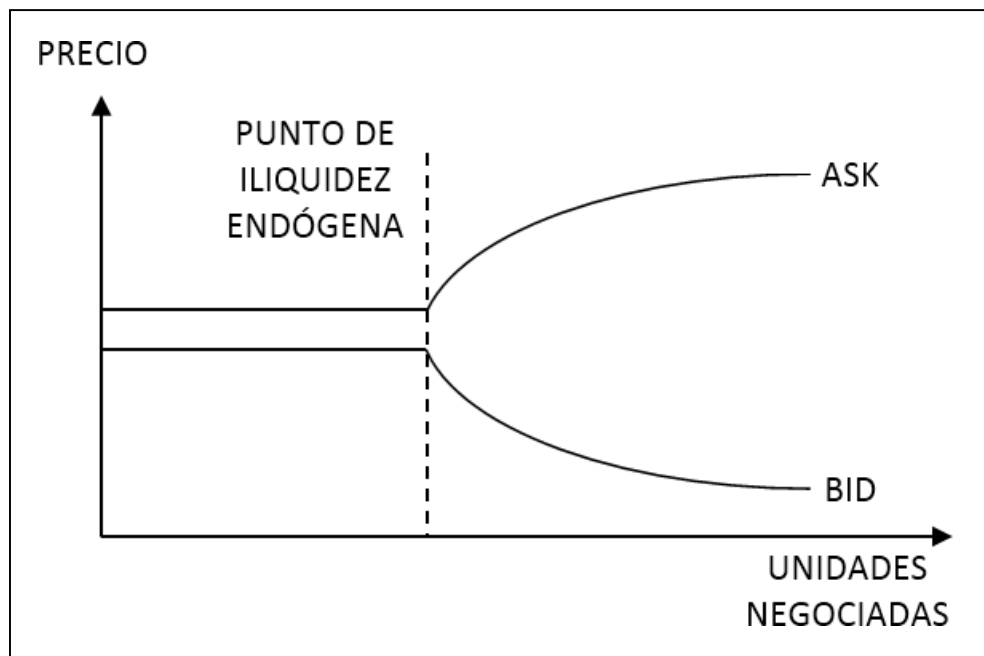
Fuente: Bangia et al. (1998).

La iliquidez exógena es el resultado de las características del mercado; es común a todos los participantes del mercado y no se ve afectado por las acciones de ningún participante de manera individual. Los costos de liquidez pueden ser insignificantes para tales posiciones cuando el ajuste al mercado proporciona un valor de liquidación adecuado. Por el contrario, los mercados de divisas y acciones de mercados emergentes no tienen liquidez y se caracterizan por una alta volatilidad de diferencial, profundidad de cotización y volumen de negociación.

La iliquidez endógena, por el contrario, es específica de la posición de uno en el mercado, varía entre los participantes del mercado y la exposición de cualquier participante se ve afectada por sus acciones. Está impulsado principalmente por el tamaño del puesto: cuanto mayor es el tamaño, mayor es la iliquidez endógena. Una buena forma de comprender las implicaciones del tamaño de la posición es

considerar la relación entre el precio de liquidación y el tamaño total de la posición que se mantiene. Esta relación se describe cualitativamente a continuación:

Figura 7: Taxonomía del Riesgo de Mercado



Fuente: Bangia et al. (1998).

El aporte principal de Bangia et al. (1998) es tomar las propuestas de Jarrow, R. y A. Subramanian (1997) y proponer un modelo aplicable para mercados de deuda emergentes. De esta manera, los autores desarrollan una metodología L-VaR incorporando el spread de precios de compra y venta como indicador del nivel de liquidez del mercado. Los autores proponen el L-VaR, lo que les permite descomponer el riesgo total de una cartera en el costo por riesgo de mercado y el costo por riesgo de liquidez. En la literatura de gestión de riesgos financieros, este trabajo ha conducido a una serie de investigaciones posteriores que buscan evaluar los efectos de los spreads de precios de compra y venta en el riesgo de mercado de carteras en mercados emergentes, principalmente porque propone un ajuste a la distribución de los rendimientos de un activo en función a su kurtosis, lo cual ayuda a reducir la subestimación de los valores extremos (fat-tails, colas anchas en español).

Johnson, C. (2000). Value at risk, ajustado por liquidez: una aplicación a los bonos soberanos chilenos.

En esta investigación, el autor propone un análisis del efecto que existe sobre la cuantificación del riesgo de un activo bajo un escenario en el cual dicho activo presenta cierto grado de iliquidez exógeno el cual se manifiesta por medio de fuertes fluctuaciones en los spreads de precios de compra y venta ofrecidos por las contrapartes. Para este fin, el autor toma información histórica referida a un instrumento representativo de deuda soberana chilena de madurez de 10 años, sobre el cual se deriva el cálculo del coeficiente de riesgo por el cual debiera ajustarse este tipo de activos, al momento de evaluar la posición global de riesgo de un portafolio. Para poder realizar estos cálculos, el autor se basa en VaR ajustado por riesgo de liquidez Bangia et al. (1998), con lo cual se encuentra que el ajuste requerido para el bono soberano corresponde al 10% aproximadamente, de manera que cualquier cálculo tradicional del VaR subestima su verdadero valor.

El aporte principal de Johnson, C. (2000) es tomar la metodología L-VaR propuesta en Bangia et al. (1998) para aplicarlo en el mercado de deuda chileno, un mercado ubicado en la misma región de la BVL.

Díaz Roldán, Triana Morales, & Zuloaga Zapata (2015). VeR Paramétrico ajustado por riesgo de liquidez para un portafolio de acciones de la aseguradora PREVISORA S.A.

En este trabajo, los investigadores buscaron desarrollar un modelo que permita calcular el VaR de un portafolio de acciones de la aseguradora Previsora S.A., con un enfoque complementario sobre el riesgo de liquidez al que este portafolio está expuesto, incorporando un método para el cálculo de la volatilidad en base a correlaciones de spreads. Esta propuesta toma como referencia el acuerdo de Basilea III, estableciendo que se deben implementar medidas acerca del riesgo de liquidez, las que actualmente no tienen el suficiente impacto en las aseguradoras colombianas.

El aporte principal de Díaz et al. (2015) es el enfoque regulatorio de la metodología L-VaR propuesta en Bangia et al. (1998), asimismo, utiliza un modelo de volatilidad que pondera las observaciones más recientes.

Peiyu Wang (2017). Liquidity Adjusted Value-at-Risk and Its Applications.

En este trabajo, nace la colaboración del autor con la empresa Lannebo Fonder, una gestora de fondos de Suecia. La tesis estudia cómo ajustar el Valor en Riesgo incorporando el riesgo de liquidez exógeno y endógeno, mejorando un algoritmo para L-VaR con aplicaciones empíricas de análisis de series de tiempo, simulación Monte-Carlo, desarrollado en lenguaje de programación MATLAB.

El autor presenta el indicador LIX (Liquidity Index) el cual es introducido en el L-VaR, este indicador es el cociente del valor obtenido al multiplicar volumen negociado en el día por el precio y el rango del precio (máximo y mínimo). Es importante resaltar que el LIX como medida de liquidez tiene las siguientes 2 ventajas: i) El valor de la moneda se elimina del cálculo, por lo que podemos comparar acciones en diferentes mercados internacionales directamente; ii) Es fácil acceder a los datos que requiere, en comparación con otras métricas.

El aporte principal de Peiyu Wang (2017) es el indicador LIX, puesto que evidencia la existencia de un indicador que pueda recoger el riesgo de liquidez exógeno y endógeno, sin embargo, el autor plantea este indicador partiendo del contexto de mercados de capitales de economías desarrolladas.

2.1.2. Antecedentes nacionales

Indacochea, S. y Olcese, D. (2008). Sinceramiento de los modelos de valor en riesgo incorporando el efecto de la iliquidez de mercado: evidencia en la Bolsa de Valores de Lima.

En esta investigación, se plantea el objetivo de cuantificar el sesgo que sufren los modelos de riesgo de mercado para carteras de inversión al seguir la práctica común de omitir ajustes por riesgo de liquidez. Ante lo cual, se plantea la hipótesis de que la inclusión del factor de liquidez varía significativamente los resultados de los modelos de valorización de riesgos, por encima de las bandas de confianzas asumidas inicialmente para el análisis de valor en riesgo. Para realizar este análisis, se demanda principalmente una base de datos que incluya cotizaciones intradiarias de doce acciones “afepeables” según nivel de liquidez (líquidas, semilíquidas e ilíquidas). La metodología adoptada es la del VaR ajustado por liquidez propuesta en Bangia et al. (1998), con lo cual se simula un nuevo VaR a través del spread de precios de compra y venta corregido a causa de las colas gruesas de la distribución, asumiendo que los spreads no son estables para activos que enfrentan una liquidez limitada. Los resultados obtenidos indican que al ignorar el costo de liquidez se producen subestimaciones sustanciales del riesgo total, esto se demuestra cuando se analizan las doce acciones de la BVL, puesto que se subestima el riesgo total al no considerar el riesgo de liquidez a través del VaR, la cual incluso es recomendada por el Comité de Basilea.

El aporte principal de Indacochea & Olcese (2008) para esta investigación es establecer criterios para la evaluación del spread de precios de compra y venta en acciones de la BVL, tomando en cuenta los criterios establecidos por la Superintendencia de Banca, Seguros y AFP, para seleccionar la muestra de acciones a analizar.

Ascarruz, B. (2011). VaR ajustado por liquidez para un portafolio de renta fija.

En esta investigación, el autor propone incluir un factor de ajuste por riesgo de liquidez a las mediciones convencionales de riesgo de mercado (VaR), aplicado al portafolio de inversiones del Banco de la Nación. Para analizar el componente de riesgo por iliquidez se siguió

la definición basa en el componen de iliquidez exógeno propuesto en Bangia et al. (1998), el cual se manifiesta a través de fuertes fluctuaciones en los spreads ofrecidos por los precios de compra y venta. Es así como también se brinda tratamiento a las distribuciones para los spreads, para lo cual se realizan simulaciones; mientras que, para el cálculo de la volatilidad de los spreads, se recurre a las estimaciones de máxima verosimilitud, en lugar de la desviación estándar sobre la serie de los spreads. La investigación concluye con el VaR ajustado por liquidez excede en S/ 153.5 mil al VaR tradicional.

El aporte principal de Ascarruz, B. (2011) es la aplicación de la metodología L-VaR para bonos soberanos del Perú del portafolio de una entidad financiera peruana, teniendo en cuenta no sólo el comportamiento de los spreads de precios de compra y venta, sino también la correlación entre estos.

Cisneros Prado, J. (2018). Análisis de los determinantes del Spread Bid-Ask e influencia en la medición del riesgo de mercado de cartera de acciones: Aplicación a fondos de pensiones peruanas y chilenas

En esta investigación, se plantea el objetivo de estimar el costo de liquidez exógena (CLE) de carteras de acciones de AFP's peruanas (Fondo tipo 3) y chilenas (Fondo tipo A), y evaluar su influencia en la medición del riesgo de mercado (VaR) de carteras emergentes, usando la metodología ARDL y el Modelo de Corrección de Errores (MCE) para testear la existencia de relación de largo plazo del spread con el volumen de negociación, precio y volatilidad de los retornos de las acciones de la BVL; así como también, para estimar la relación dinámica de corto plazo y entender su mecanismo de transmisión de los efectos. Obteniendo como resultados, que el modelo ARDL encuentra evidencia empírica para la bolsa peruana de la existencia de una relación de corto y largo plazo (cointegración) entre los spreads de las acciones y las variables del mercado bursátil

(precio, volumen, volatilidad y formadores de mercado). Por otro lado, el MCE muestra que los spreads de las acciones con bajos niveles de liquidez de la bolsa peruana, tienen un periodo de lento ajuste, con un promedio de casi 4 días de negociación para su restablecimiento debido a choques temporales en los mercados, parcialmente explicado por la escasa presencia de creadores de mercado en el mercado bursátil peruano al no garantizar flujos de transacción mucho más continua de los valores. Finalmente, la investigación evidencia que las inversiones en carteras de acciones locales peruanas exhiben una exposición de riesgo de liquidez (CLE) promedio de 5.5% (2.8 veces el CLE chileno), riesgo asociado, en general, a problemas de eficiencia de mercados bursátiles, los cuales no serán contemplados mientras se ignoren los spreads en los análisis.

El aporte principal de Cisneros Prado, J. (2018) es la aplicación de la metodología L-VaR para acciones que se mantienen en los fondos administrados por el sistema privado de pensiones, comparando el caso los fondos de Perú y Chile.

2.2. Marco teórico

A fin de contar con una clara secuencia, se empezará introduciendo a los modelos GARCH, pues estos serán utilizados para modelar la volatilidad de los rendimientos del precio medio.

Posteriormente, se brindará detalle sobre la teoría de la métrica de Valor en Riesgo tradicional, la cual sólo considera movimientos de mercado en los precios medios. Además, se explicará la importancia de incorporar un factor de liquidez dentro de las métricas, dando paso al Valor en Riesgo ajustado por Liquidez. Cabe indicar esta sección contempla una comparación entre ambos modelos, así como las ventajas y desventajas de sólo considerar métricas tradicionales, explicando la importancia que tiene optar por medidas con mayor data disponible.

Finalmente, con la finalidad de comprobar la eficacia del modelo alternativo, el de Valor en Riesgo ajustado por Liquidez, se explicarán las pruebas retrospectivas de Kupiec.

2.2.1. Modelo GARCH

Bollerslev (1986) proponen los modelos GARCH, por su abreviatura "Generalized Autorregresive Conditional Heterocedasticity", los cuales se basan en una versión generalizada de los modelos ARCH, cuya forma más sencilla, la de un GARCH (1,1), es equivalente a un proceso ARCH con orden infinito, pero con una mayor facilidad en la estimación, considerando que sólo depende de tres parámetros. El modelo GARCH (p,q) se podría escribir de la siguiente manera:

$$y_t = \varepsilon_t \sigma_t$$

$$\sigma_t^2 = \omega + \sum_{i=1}^q \alpha_i y_{t-i}^2 + \sum_{j=1}^p \beta_j \sigma_{t-j}^2$$

En específico, el modelo GARCH (1,1) se encuentra compuesto por dos ecuaciones: i) la primera ecuación donde se hace depender a la variable y_t del valor de su varianza multiplicada por un término aleatorio (ruido blanco); ii) una segunda ecuación que se hace depender el valor actual de la varianza en el periodo t de los valores que se hayan presentado en el momento anterior t-1 y de la volatilidad aleatoria que se ha manifestado en el pasado. Lo anterior se puede mostrar matemáticamente de la siguiente manera:

$$y_t = \varepsilon_t \sigma_t$$

$$\sigma_t^2 = \omega + \alpha y_{t-1}^2 + \beta \sigma_{t-1}^2$$

Donde:

ω : valor de iniciación

αy_{t-1}^2 : innovación sobre la volatilidad que se produjo en el periodo anterior (sección ARCH)

$\beta \sigma_{t-1}^2$: predicción de la varianza en el periodo anterior (sección GARCH)

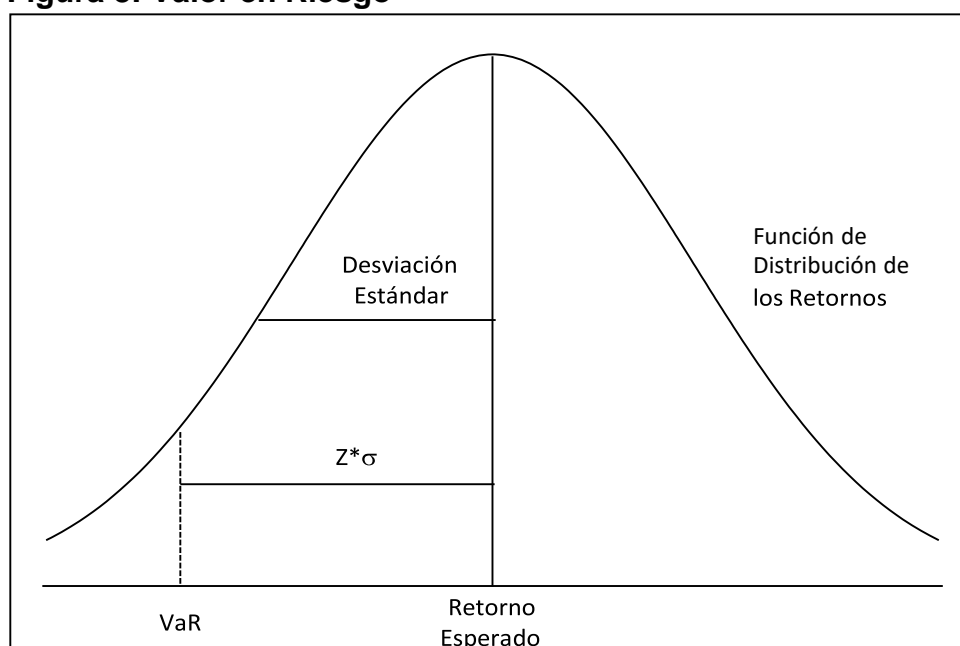
2.2.2. Modelo de Valor en Riesgo tradicional

DEFINICIÓN

De acuerdo con JP Morgan (1996), el VaR nace como necesidad de cuantificar el monto o porcentaje de pérdida que un portafolio podría enfrentar en un periodo determinado de tiempo con un determinado nivel de significancia. El primer aporte, fue el sistema de medición de riesgo llamado "RiskMetrics".

Para el cálculo del VaR, debemos de considerar una serie de retornos históricos del factor de riesgos de un activo, el cual puede ser el tipo de cambio, tasas de interés o el precio del activo, lo cual se traduce en una distribución de densidad por medio de un histograma, sobre la cual debe calcular el dominio de la función de densidad que deja el nivel determinado de significancia del área en su rango inferior, representándose en la siguiente figura:

Figura 8: Valor en Riesgo



Fuente: (Johnson, 2000)

Matemáticamente, el VaR se puede expresar de la siguiente manera:

$$VaR = \alpha * \sigma * \sqrt{\Delta t}$$

Donde:

μ : retorno promedio

α : factor que define el área de pérdida de los retornos

σ : desviación estándar de los retornos

Δt : horizonte de tiempo

METODOLOGÍAS DE CÁLCULO DEL VAR TRADICIONAL

Para el cálculo de VaR tradicional, se cuenta con las siguientes tres metodologías:

- **Paramétrico:** Es un método que define de manera previa el tipo de comportamiento que siguen los factores de riesgos a los cuales está expuesta un activo, determinando la expresión de la función de probabilidad. Por lo general, se considera que el comportamiento de los retornos de estos factores de riesgo sigue una distribución aproximadamente normal.
- **Simulación histórica:** Es un método que asume que el pasado puede explicar el comportamiento futuro de los factores de riesgo, por lo que toma como escenarios futuros a cada uno de los escenarios de variación de los factores de riesgo que tuvieron lugar en el periodo de observación determinado inicialmente. A diferencia de la metodología anterior, no es necesario asumir ningún supuesto sobre la distribución de los retornos de los factores de riesgo.
- **Simulación Monte Carlo:** Es un método que toma como supuesto un modelo de comportamiento aleatorio para los factores de riesgos, esto con el objetivo de simular escenarios basados en el modelo de comportamiento definido. Esta simulación dará lugar a unas posibles ganancias y pérdidas, mediante iteraciones aleatorias, sobre la cual se determinará el valor en riesgo. El método busca incorporar escenarios que tengan posibilidad de ocurrencia, sin considerar que no se hayan presentado anteriormente.

Tabla 4: Comparación de Metodologías VaR

Paramétrico	Simulación Histórica	Simulación Montecarlo
Basada en las varianzas y covarianzas de los rendimientos de los precios de los activos.	Basada en los rendimientos históricos de los precios de los activos.	Basada en la simulación de rendimientos mediante números aleatorios
Es recomendada para carteras de acciones y de divisas en las que se conoce la distribución estadística de los rendimientos.	Examina los posibles valores de una cartera de activos financieros y sus correspondientes pérdidas y ganancias respecto de su valor actual, suponiendo que se pueden repetir escenarios que ya se han observado en algún momento anterior.	Genera, de manera aleatoria, escenarios de ocurrencia de los factores de riesgo que afectan el valor de los activos en un portafolio de los activos financieros. Una vez generados los escenarios, se procede igual que en una simulación histórica.
Los rendimientos de los activos se distribuyen de acuerdo con una curva de densidad de probabilidad, que generalmente es la normal y en el supuesto de linealidad en el valor de los activos.		
La principal ventaja es que es más fácil proyectar las características bien conocidas de las distribuciones estadísticas sobre los datos que se emplea.	Su ventaja radica en que se basa en supuestos de correlaciones y volatilidades que, en situaciones de movimientos extremos en los mercados, pudieran no cumplirse. Tampoco descansa en el supuesto de normalidad y es aplicable a instrumentos no lineales	Es aplicable a instrumentos no lineales. Buscando incorporar escenarios que pudieran ocurrir, aunque nunca se hayan observado antes; ni siquiera algunos parecidos
El principal inconveniente está en la información errónea que se puede obtener en caso de que los datos no se ajusten	La limitación implícitamente asume que la misma distribución de los retornos pasados se repetirá en el futuro	La demanda sobre los recursos de cálculo, para generar un número suficiente grande de escenarios que pueda dar confiabilidad

<p>adecuadamente a la distribución que se emplea. En la práctica se ha observado que los resultados que se obtienen al medir el riesgo suponiendo normalidad, generalmente subestiman el nivel real del riesgo de una cartera.</p>		<p>estadística a los resultados, es considerable.</p>
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Fuente: Ascarruz Herrera (2011)

ASPECTOS METODOLÓGICOS

El principal riesgo al cual se enfrentan las acciones es al riesgo de precio, el cual se basa en el rendimiento del activo, definido mediante la siguiente fórmula:

$$\Delta r_t = \ln \left(\frac{P_t}{P_{t-k}} \right)$$

Donde:

Δr_k : variación del precio un horizonte k

P_t : precio del activo en el periodo t

P_{t-k} : precio del activo k días atrás

VENTAJAS Y DESVENTAJAS

Las principales ventajas que conlleva el uso del VaR es la simplicidad en la cuantificación al valorar el riesgo; además, es una medida de riesgo estandarizada que puede comparada; asimismo, la simplicidad del VaR ayuda a una mejor toma de decisiones.

En contraste, las desventajas del uso del VaR son: i) los resultados del cálculo del VaR pueden verse afectados por la inclusión de datos incorrectos; ii) cuando se supone una distribución normal de los retornos para calcular el VaR se puede subestimar el riesgo,

mientras los movimientos extremos sean recurrentes, mayor será el error en el cálculo del VaR (fat tails); iii) algunos métodos para su cálculo demandan mayor uso de recursos, principalmente los métodos de simulación; asimismo, no todas las variables financieras se distribuyen de manera normal; iv) el exceso de confianza al tomar el VaR como referencia de una máxima pérdida puede llevar a ignorar eventos extremos; v) el VaR no cuantifica la pérdida esperada contenida en el nivel de significancia, para lo cual se recurre al VaR Condicional (C-VaR).

2.2.3. Modelo de Valor en Riesgo ajustado por Liquidez (Ladj-VaR)

El cálculo tradicional del VaR visto en la sección anterior asume que los spreads de precios de compra y venta son estables en el tiempo, de modo que, se puede realizar los cálculos indistintamente con los precios de cierre. Sin embargo, como se puede observar en los antecedentes, existen investigaciones que demuestran que estos spreads no son estables a lo largo del tiempo, y mucho menos para activos que enfrentan una liquidez limitada, como es el caso en la BVL, un mercado emergente.

Para el caso del presente estudio, las Figuras 9 y 10, muestran que las caídas sostenidas en el precio medio de VOLCABC1 son acompañadas de un incremento en el spread relativo de precios de compra y venta, tal como se muestra en los periodos de 2016 y 2018. Lo anterior ilustra claramente la relación que existe entre el riesgo de mercado (retornos del precio medio), el cual es recogido en el VaR Tradicional, y el riesgo de liquidez (spread relativo de precios de compra y venta) el cual busca recogerse por el Costo de Liquidez Exógena e incorporarse al Ladj-VaR. La lógica detrás de esta característica es que cuando los precios medios de un activo descienden por un periodo prolongado, hace menos atractiva la tenencia de dicho activo, por lo que los agentes empiezan vendiendo la acción lo cual eleva significativamente el spread de precios de

compra y venta en mercados que no poseen las características suficientes para absorber tal nivel de liquidaciones.

En este sentido, esta investigación se basa en la metodología de valoración de riesgo propuesta por Bangia, et al. (1998), el cual incorpora el componente del riesgo por liquidez exógena, la cual se manifiesta a través de las fluctuaciones de los spreads de precios de compra y venta de los activos.

ASPECTOS METODOLÓGICOS

Esta metodología incorpora la cuantificación del riesgo de liquidez. Inicialmente, define el riesgo de mercado a través de las variaciones en precios, definiendo P_t como mid-price de un activo en el momento t y el retorno logarítmico del precio. De esta manera, si asumimos normalidad en los retornos, un nivel de confianza al 99% y un horizonte de 1 día, el peor precio que podría tomar un activo sería:

$$P_{(1-\alpha)} = P_t * e^{[E(r_t) - 2.33 * \sigma_t]}$$

Donde:

$E(r_t)$: Valor esperado de los retornos diarios en t

σ_t : Desviación estándar de los retornos diarios en t

Esta metodología asume que $E(r_t)$ es cero, en consecuencia, el Valor en Riesgo Paramétrico (P-VaR) será:

$$P - VaR = P_t [1 - e^{-2.33 * \sigma_t}]$$

El VaR no sólo debe incorporar la volatilidad de los rendimientos del precio, sino que debe capturar otros eventos inusuales, para lo cual se define el Costo de la Liquidez Exógena (CLE) de la siguiente manera:

$$CLE = \frac{1}{2} [P (S + \alpha * \sigma)]$$

Donde:

P_t : Precio del activo en t

$\bar{\xi}$: Promedio muestral del spread relativo

α : Factor de escala que permite lograr una cobertura del 99% de probabilidad

$\tilde{\sigma}_s$: Desviación estándar del spread relativo en t

De esta ecuación, podemos entender que mientras mayor sea el valor del coeficiente de ajuste α , más lejos se encontrarán los spreads respecto a una distribución normal, lo que implicaría una mayor exposición al riesgo de liquidez de los activos. Esta metodología, ante el hecho de que la distribución de los spreads relativos no es normal, especialmente en mercados emergentes, propone usar métodos alternativos a los gaussianos para aproximar el valor del factor de escala α . En este sentido, Bangia, et al. (1998) concluyen que el rango del factor de escala α está entre 2.0 y 4.5.

Otro componente de la ecuación es el promedio muestral del Spread relativo $\bar{\xi}$, que se basa en el cálculo del Spread relativo S_t , definido mediante la siguiente fórmula:

$$S_t = \frac{Ask_t - Bid_t}{\left[\frac{Ask_t + Bid_t}{2} \right]}$$

Donde:

S_t : Spread relativo en el periodo t

Ask_t : Precio de venta en el periodo t

Bid_t : Precio de compra en el periodo t

Con ello, se redefine el peor precio que tomaría el activo con un nivel de confianza del 99% (P'), considerando fluctuaciones de mercado ($P - VaR$) y las fluctuaciones en los precios de transacción debido a incertidumbres en los factores de liquidez (CLE).

$$P'_t = P_t * e^{[-2.33 * \sigma_t]} - \frac{1}{2} [P_t (S_t + \alpha * \tilde{\sigma}_s)]$$

En este sentido, se infiere que el VaR paramétrico del activo ajustado por riesgo de liquidez ($L_{adj} - VaR$) al 99% de confianza, estaría definido de la siguiente manera:

$$L_{adj} - VaR = P_t * [1 - e^{-2.33 * \sigma_t}] + \frac{1}{2} [P_t (S_r + \alpha * \tilde{\sigma}_s)]$$

Definida la ecuación, Bangia, et al. (1998) al comprobar que en las series de precios de activos financieros es probable observar que la distribución de los retornos presente desviaciones significativas de normalidad, por lo que el uso de la desviación estándar puede subestimar el riesgo, proponen usar un factor de corrección (θ) para mitigar el problema de no normalidad.

$$P - VaR = P_t [1 - e^{-2.33 * \theta * \sigma_t}]$$

$$\theta = 1 + \emptyset * \ln \left(\frac{k}{3} \right)$$

Donde:

θ : Factor de corrección

k : curtosis de los retornos

\emptyset : Constante de ajuste, es 0.4

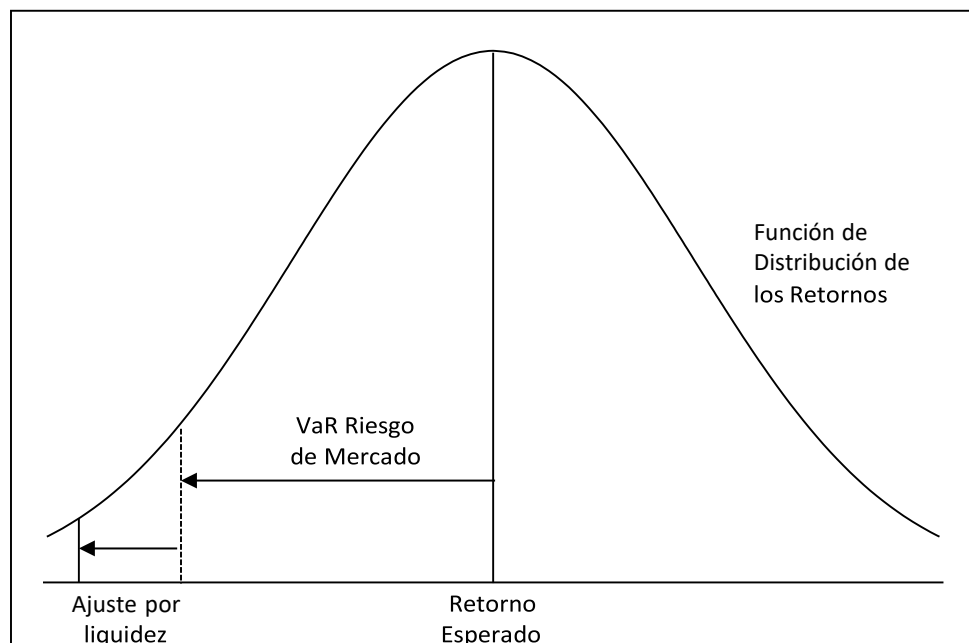
En esta ecuación, k busca capturar el efecto de las distribuciones con leptocurtosis (colas anchas de los retornos), mientras que \emptyset es una constante, cuyo valor dependerá de la probabilidad de la cola, el cual ayuda a ponderar los niveles de confianza con las que se trabajará. Bangia, et al. (1998) proponen que cuando se trabaja con colas de 1% de probabilidad, \emptyset debe tomar el valor de 0.4. Cuando estemos frente de una distribución normal, el factor de corrección θ será igual a 1, mientras que cuando las distribuciones presentan leptocurtosis, este factor de corrección será mayor que 1. en este sentido, todas las desviaciones de las distribuciones de retornos serán recogidas por los niveles de curtosis, y se manifestarán con un mayor factor de corrección (θ).

Finalmente, Bangia, et al. (1998) proponen un Ladj-VaR con correcciones en la distribución de los retornos, de la siguiente manera:

$$\text{Ladj-VaR} = P_t * [1 - e^{-2.33 * \theta * \sigma_t}] + \frac{1}{2} [P(S + \alpha * \tilde{\sigma})]$$

Con ello, la metodología muestra que los cálculos tradicionales del VaR se encontrarían subestimados debido a que, al momento de requerir de la liquidación del instrumento, el mercado no se encuentre dispuesto a ofrecer el precio deseado por el activo en el lapso requerido. Esto hace que se afronte un menor ingreso por concepto de venta del activo. Gráficamente, esto podría representarse así:

Figura 09: VaR ajustado por liquidez



Fuente: Johnson (2000).

A fin de tener un panorama más amplio, se presenta un cuadro de las ventajas y desventajas del uso de cada metodología:

Tabla 5: VaR Tradicional vs. VaR Ajustado

	VaR	L-VAR
VENTAJAS	<ul style="list-style-type: none"> • Sencillez para la estimación de la pérdida esperada de portafolios. • Concepto intuitivo y facilidad de interpretación de los resultados. 	<ul style="list-style-type: none"> • Captura el efecto de las volatilidades de los spreads de precios de compra y venta de las acciones en la medición del L-VaR. • Captura las colas anchas de las distribuciones no normales de los retornos de las acciones. • Permite descomponer el riesgo total de una cartera en 2: (i) Costo por riesgo de mercado puro, y (ii) Costo por riesgo de liquidez.
DESVENTAJAS	<ul style="list-style-type: none"> • Asume que las volatilidades de los Spreads son constantes en el tiempo. • Asume distribución conjunta normal de los retornos de las carteras. • Tendencia al sesgo de la estimación del riesgo de mercado de carteras de acciones. • Ignora el efecto del riesgo de liquidez presente sobre todo en acciones de economías emergentes. 	<ul style="list-style-type: none"> • Dificultades en la obtención de los niveles spreads de precios de compra y venta de las acciones muy ilíquidas. • Necesidad de estimación de algunos parámetros nuevos.

Fuente: Cisneros Prado (2018).

2.2.4. Metodología de pruebas retrospectivas

El proceso de análisis retrospectivo, también denominado *backtesting* permite evaluar la calidad y exactitud de un modelo VaR, para este propósito se utilizan las pruebas de proporción de fallas propuestas por Kupiec (1995), el cual es un test estadístico que

permite medir si la proporción de fallas que presenta el modelo es consistente con el nivel de significancia definido por el VaR.

Bajo la hipótesis nula de que el modelo VaR es consistente con el nivel de confianza, el número de excepciones sigue una distribución binomial.

$$H_0: p = \hat{p} = \frac{x}{T}$$

Donde:

x: número de veces en que la pérdida real excede al VaR

T: número de días de la muestra

El siguiente paso es comprobar si la proporción de fallas estimada es estadísticamente igual a la probabilidad de fracaso planteado por el VaR. Para evaluar la significancia de esta hipótesis se emplea el test de la ratio de máxima verosimilitud. El estadístico de esta prueba es:

$$LR = -2\text{Log} \left(\frac{(p^*)^x (1 - p)^{n-x}}{(\tilde{p})^x (1 - \tilde{p})^{n-x}} \right)$$

Donde:

p*: probabilidad de fracaso teórica

\tilde{p} proporción de fallas definida anteriormente

Bajo la hipótesis nula de que ambas probabilidades son iguales, este estadístico se distribuye con 1 grado de libertad.

2.3. Marco conceptual

Para lograr entender la presente investigación es necesario definir algunos términos que se utilizarán a lo largo de la investigación:

- **Acciones:** son activos financieros negociables que confieren propiedad a quién las adquiere, usualmente son emitidos por una sociedad o empresa y representan el valor de una parte alícuota del capital social. Además, proveen la posibilidad de recibir beneficios de las utilidades del emisor.

- **Riesgo de mercado:** posibilidad de pérdidas en posiciones dentro y fuera de balance derivadas de fluctuaciones en los precios de mercado. Incluye a los riesgos pertenecientes a los instrumentos relacionados con tasas de interés, riesgo cambiario, cotización de las acciones, commodities y otros.
- **Riesgo de liquidez:** posibilidad de pérdidas por incumplir con los requerimientos de financiamiento y de aplicación de fondos que surgen de los descalces de flujos de efectivo, así como por no poder cerrar rápidamente posiciones abiertas, en la cantidad suficiente y a un precio razonable.
- **Iliquidez exógena:** es la falta de liquidez propia del mercado, la cual repercute sobre todos los participantes del mercado y no está determinado por acciones específicas de un solo participante, manifestándose a través de las fuertes fluctuaciones en los spreads ofrecidos por las contrapartes.
- **Iliquidez endógena:** es la falta de liquidez relacionada específicamente con la posición de un participante en el mercado, cuyas acciones afectan a cualquier otro agente se ve afectado. Mientras mayor sea la posición del primer participante, mayor será la iliquidez endógena.
- **Bid-Ask Spread:** es el monto por el cual el precio de venta (ask) excede el precio de compra (bid) de un instrumento en el mercado. Esto también puede interpretarse como la diferencia entre el precio mínimo que un vendedor aceptaría vender un activo (ask) y el precio máximo que un comprador pagaría por el mismo activo (bid) en un periodo de tiempo específico.
- **Valor en riesgo:** también conocido con las siglas VaR, es una medida estadística que estima la pérdida máxima que podría registrar un portafolio a un nivel de probabilidad en un intervalo de tiempo determinado.
- **Modelo GARCH:** modelos en los cuales la varianza condicional depende no sólo de los cuadrados de las perturbaciones, sino, además, de las varianzas condicionales de periodos anteriores.

2.4. Hipótesis

La valoración del riesgo de mercado de la acción VOLCABC1 subestimó la cuantificación del riesgo de liquidez de mercado durante el periodo 2008-2019, producto del diferencial en los precios de compra y venta de la acción.

2.5. Variables

Tabla 6: Variables de investigación

VARIABLE	DEFINICIÓN CONCEPTUAL	DEFINICIÓN OPERACIONAL	DIMENSIÓN	INDICADOR	ESCALA DE MEDICIÓN	TIPO DE VARIABLE
Valoración del Riesgo de Mercado	Posibilidad de pérdidas derivadas de fluctuaciones en los precios de mercado.	Riesgo de pérdidas en la valoración de un activo, producto de la volatilidad y promedio de los retornos del precio de un activo.	Financiera	Valor en Riesgo de Mercado	Nominal	Cuantitativa
Cuantificación del Riesgo de Liquidez de Mercado	Posibilidad de pérdidas por no poder liquidar un activo en un plazo y a un precio razonable.	Riesgo de pérdidas medido a través de la volatilidad y promedio del spread de precios de compra y venta, es decir, el diferencial entre el precio de compra y venta de un activo.	Financiera	Valor en Riesgo de Liquidez de Mercado	Nominal	Cuantitativa

3. MATERIAL Y MÉTODOS

3.1. Material

La información que se utilizó fue en base a los datos de Bloomberg.

3.1.1. Población

La población de estudio estuvo compuesta por la información pública del precio de compra y venta de la acción VOLCABC1 de las posturas ingresadas en Bloomberg, durante el periodo de 2008- 2019.

3.1.2. Marco muestral

Se tomó la información de la acción VOLCABC1 desde un terminal Bloomberg con los datos al cierre de cada día de negociación.

3.1.3. Unidad de análisis

La unidad de análisis de esta investigación fueron los precios medios, precio de compra y venta de la acción VOLCABC1.

3.1.4. Muestra

La muestra de estudio abarcó la disponibilidad total de la información de Bloomberg sobre las cotizaciones de precio de compra y venta de la acción VOLCABC1 de manera diaria.

3.2. Métodos

3.2.1. Diseño de contrastación

La investigación presenta un diseño de contrastación de hipótesis no experimental, debido a que las variables fueron observadas mas no manipuladas, en busca de cuantificar el valor en riesgo, adicionando el riesgo de liquidez de mercado de un instrumento, incorporándolo al cálculo del VaR. Es muy importante aclarar que esta investigación no buscó relacionar variables, sino introducir la variable de liquidez de un instrumento en la cuantificación del riesgo (VaR).

En resumidas palabras, se trató de incorporar el efecto de la liquidez exógena sobre la valorización tradicional del riesgo de una acción durante el periodo 2008-2019. Para ello, se utilizó el modelo planteado en Bangia, et al. (1998).

3.2.2. Técnicas e instrumentos de investigación

La técnica es el análisis de la información que fue recopilada de la data publicada por Bloomberg. Esta información fue extraída mediante requerimientos de data, para los cuales se utilizaron los siguientes códigos Bloomberg:

- Precio medio: PX_MID <GO>
- Precio de compra: PX_BID <GO>
- Precio de venta: PX_ASK <GO>

Una vez obtenidas las series, se realizará el tratamiento para poder modelar el comportamiento de mercado (volatilidad del retorno de PX_MID <GO>) y el comportamiento del spread de precios de compra y venta (en base a las series PX_BID <GO> y PX_ASK<GO>).

3.2.3. Procesamiento y análisis de datos

En la investigación se utilizó el método inductivo completo, puesto a que se trabaja un análisis del comportamiento de las variables relacionadas al evento que se explica (implicancia de la iliquidez en la medición del riesgo). Asimismo, es completo porque se trabajará con la data poblacional.

Para el análisis de los datos se utilizó la estadística descriptiva para la elaboración de figuras

$$\text{VaR Tradicional} = f(\mu_p; \sigma_p; \alpha)$$

$$\text{CLE} = f(\mu_{sp}; \sigma_{sp}; \alpha)$$

$$\text{Ladj} - \text{VaR} = \text{VaR Tradicional} + \text{CLE}$$

Donde:

μ_p : media de los rendimientos de la acción

σ_p : volatilidad de los rendimientos de la acción mediante modelos GARCH.

μ_{sp} : media de los rendimientos del spread relativo

σ_{sp} : volatilidad de los rendimientos del spread relativo

α : nivel de significancia estadística

Se espera que el modelo utilizado cumpla con los siguientes supuestos estadísticos:

- Las series de retornos de mercado no deben poseer raíz unitaria.
- Las series de retornos deben distribuirse de manera normal, caso contrario, deberá aplicarse el ajuste propuesto por Bangia, et al. (1998).
- Para el modelo GARCH, debe cumplir los criterios de estabilidad en los parámetros.

Complementariamente, el método comprende los siguientes pasos:

- Observación de datos: los datos de estudio se extrajeron de la información de Bloomberg.
- Cálculo de variables: se utilizaron los datos calculados para determinar el coeficiente de ajuste por liquidez en la valoración del riesgo. Asimismo, se utilizaron modelos GARCH para el tratamiento de la volatilidad, la cual es un insumo para la valoración del riesgo. Complementariamente, se evaluó la eficacia de predicción del modelo VaR mediante las pruebas de Kupiec.
- Análisis de datos: los datos fueron analizados mediante el software R Studio, los cuáles se reportaron con la ayuda de MS Excel, en algunos casos.
- Selección de modelo: Los requisitos para la selección del modelo a utilizar fueron los siguientes:

- Los coeficientes vinculados a los retornos (alpha) o desviación estándar (beta) deben ser significativos estadísticamente considerando un nivel de confianza al 99%.
- Los coeficientes deben de brindar estabilidad al modelo, para ello, la suma de los coeficientes vinculados a los retornos (alpha) o desviación estándar (beta) deberán ser menor a 1.
- De existir dos o más modelo que cumplan los dos criterios anteriores, se acudió al criterio de información de Akaike, tomando el modelo con menor valor Akaike (AIC).
- Pruebas retrospectivas: Los resultados del modelo VaR se compararon con las pérdidas obtenidas realmente por movimientos en los precios y el spread relativo de precios de compra y venta.

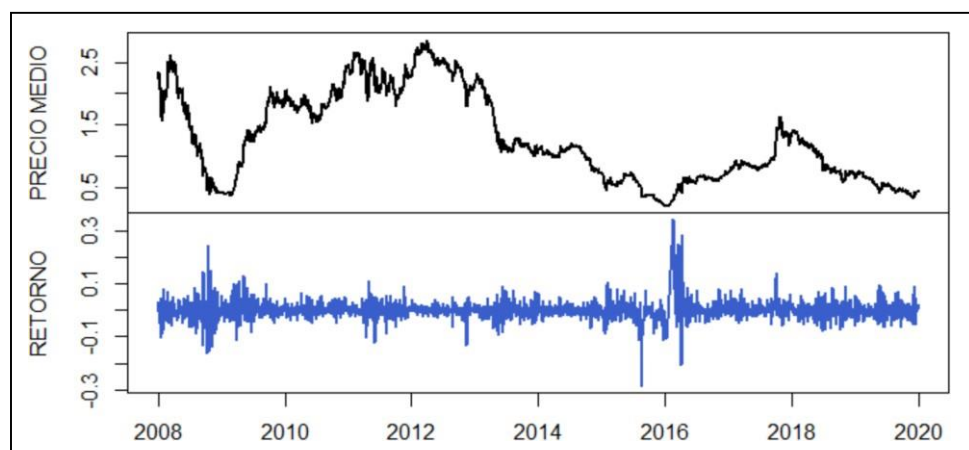
4. PRESENTACIÓN Y DISCUSIÓN DE RESULTADOS

4.1. Presentación de resultados

4.1.1. Precio y retorno de la acción VOLCABC1

Para el desarrollo de la presente investigación se inició con la estimación del VaR tradicional, para ello, se calcularon los retornos que presentó VOLCABC1.

Figura 9: Evolución del Precio Medio y Retornos



Fuente: Bloomberg.

En la figura, podemos apreciar que el comportamiento del precio presentó fuertes fluctuaciones en los primeros dos años del estudio,

lo cual se debe principalmente al inicio de la crisis financiera del año 2008, asociada con el default de Lehman Brothers, lo cual generó un aumento del riesgo sistémico a nivel mundial, en este caso, los retornos llegaron a un punto máximo de 24.34% y mínimo de -16.27%. De la misma manera, este escenario generó un punto mínimo en el precio de la acción, ubicándose en 0.36.

Otro evento importante por señalar es que, durante el año 2013, la Reserva Federal de Estados Unidos (FED), anunció que se comenzará a reducir el ritmo de inserción de dinero a la economía, iniciando un proceso conocido como el tapering. Esto se manifiesta en algunos tramos de las minutas del año 2013:

- Minuta del la Federal Open Market Committee (30 de Abril 2013 – 01 de Mayo 2013) indicaba que “*Unos pocos miembros expresaron su preocupación de que las expectativas de los inversionistas sobre el tamaño acumulado del programa de compra de activos parecían haber aumentado un poco desde su lanzamiento en septiembre pasado a pesar de una disminución notable en la tasa de desempleo y otras mejoras en el mercado laboral desde entonces.*”, mostrando señales de revisión por parte de la FED.²
- Minuta del la Federal Open Market Committee (30 de Abril 2013 – 01 de Mayo 2013) indicaba que “*Varios participantes pensaron que sería apropiado finalizar antes el programa de compra de activos; en contraste, un participante pensó que sería apropiado un camino más flexible para la compra de activos.*”, iniciando de esta manera el retiro del estímulo por parte de la FED.³

Lo anterior, explica la disminución del precio de la acción que se presenta durante el año 2013.

² <https://www.federalreserve.gov/monetarypolicy/files/fomcminutes20130501.pdf>

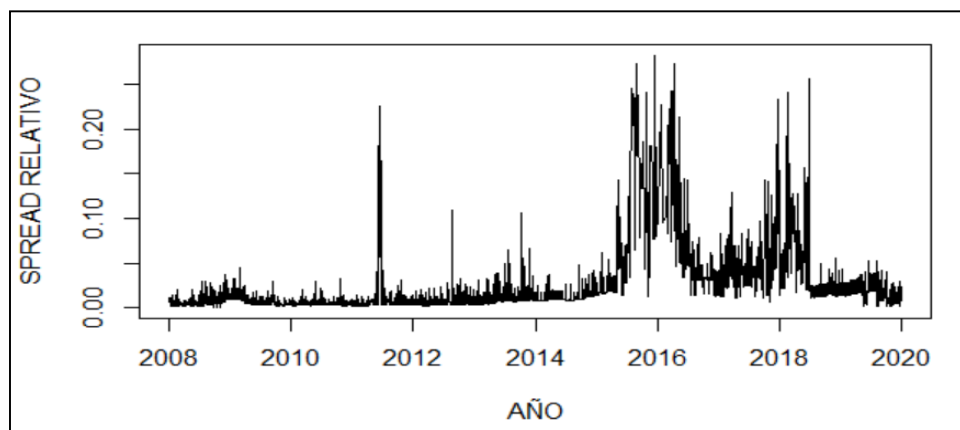
³ <https://www.federalreserve.gov/monetarypolicy/files/fomcminutes20131218.pdf>

Finalmente, entre el año 2015 y 2016, se presenta un periodo de iliquidez para la bolsa peruana producto de incertidumbre de las elecciones presidenciales.

4.1.2. Spread relativo de la acción VOLCABC1

Complementariamente al análisis del comportamiento del precio medio de VOLCABC1, iniciamos el análisis del spread relativo de precios de compra y venta, indicándonos el grado de liquidez del instrumento. Mientras mayor sea este spread, menor será la liquidez del instrumento. Esto es importante para el cálculo del Costo de Liquidez Exógena.

Figura 10: Evolución del Spread Relativo



Fuente: Bloomberg y SBS

En la figura 10, podemos constatar que el spread relativo de la acción VOLCABC1 presenta niveles máximos en el año 2016, lo cual se asocia con el entorno electoral peruano que se comentó en el punto anterior. Otro periodo en el cual el spread relativo aumentó fue en el año 2018, debido a las presiones para vacancia presidencial en Perú.

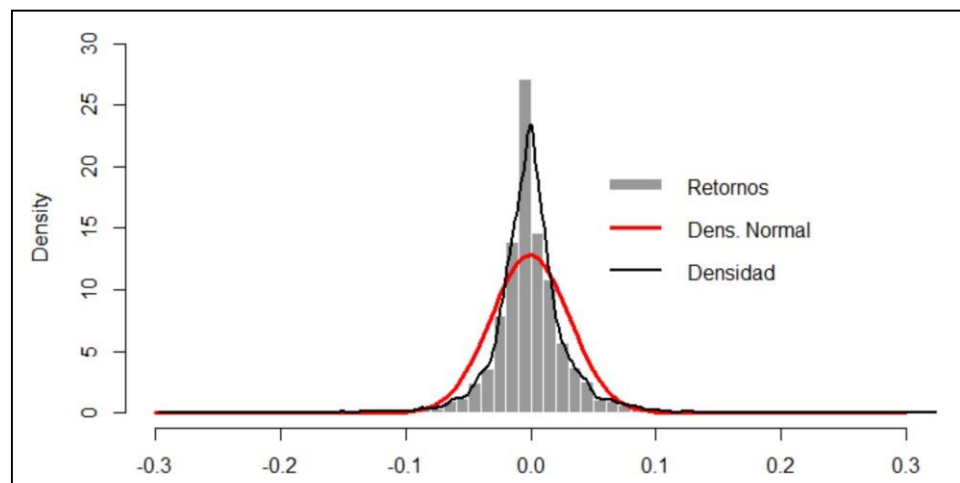
Las fluctuaciones presentadas en la figura demuestran que el spread relativo, y por consiguiente la liquidez, de un instrumento no siempre es estable en el tiempo, lo cual realza la importancia de la incorporación del efecto de la liquidez del instrumento en la medición del VaR tradicional.

4.1.3. Tratamiento a la volatilidad del precio medio

En la presente investigación se evaluó la normalidad de los retornos, así como la presencia de raíces unitarias, con el Test de Dickey-Fuller, para el precio medio de la acción VOLCABC1. Luego, se aplicaron modelos ARCH (1), ARCH (2), GARCH (1,1), GARCH (1,2), GARCH (2,1) y GARCH (2,2) a fin de brindar tratamiento para la volatilidad de los retornos del precio medio. El modelo seleccionado será utilizado para el cálculo de la volatilidad a usar en los modelos VaR y Ladj-VaR del instrumento.

En el análisis de los retornos del precio medio de la acción VOLCABC1, nos muestra que existen indicios de que los retornos no siguen una distribución normal. En la siguiente figura, comparamos la densidad real de los retornos (línea negra) con una densidad hipotética de distribución normal (línea roja). Como podemos observar, la distribución de los retornos tiene una forma más leptocúrtica que una distribución normal.

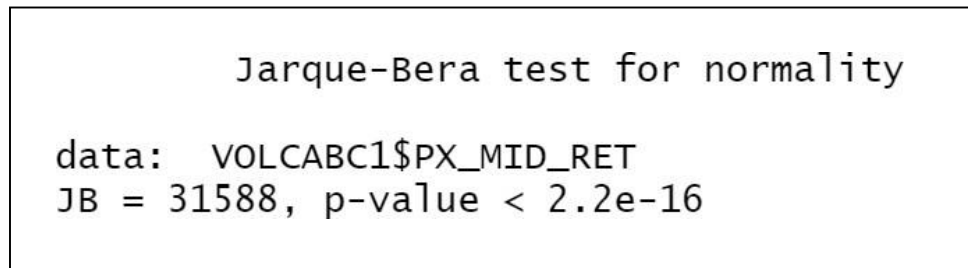
Figura 11: Histograma de los retornos del precio medio



Elaboración: Propia.

Esto se confirmó con pruebas de normalidad, en este caso, el Test de Jarque-Bera nos indicó una probabilidad menor a 1%, por lo cual se rechazó la hipótesis nula, indicándonos que los rendimientos no se aproximan a una distribución normal.

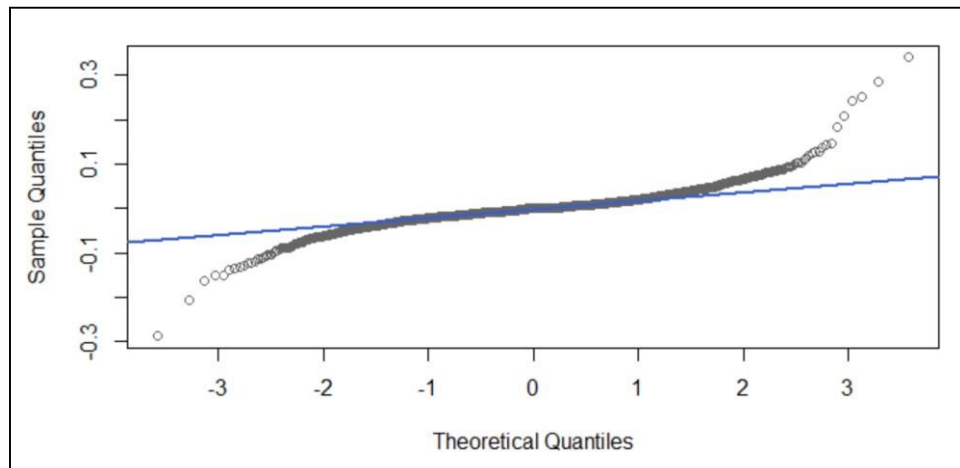
Tabla 7: Test de Normalidad de Jarque-Bera



Elaboración: Propia.

Complementariamente, la siguiente figura de la distribución Q-Q nos indicó que la distribución de los rendimientos presenta colas anchas (fat-tails), lo que implica que asumir que los rendimientos persiguen una distribución normal, implica subestimar la probabilidad de ocurrencia de eventos extremos.

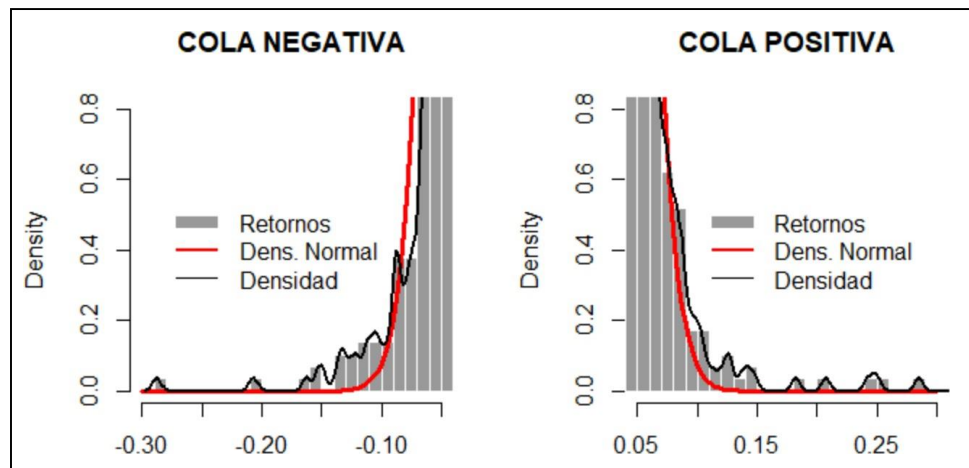
Figura 12: Diagrama Cuantil-Cuantil



Elaboración: Propia.

La sospecha sobre la subestimación de la probabilidad de movimientos extremos nos lleva a realizar una aproximación a las colas de la distribución de los retornos. En la siguiente figura, observamos que la densidad de los retornos (línea negra) es mayor que la densidad de una distribución normal (línea roja), lo cual confirma nuestra sospecha inicial.

Figura 13: Aproximación de las colas de la distribución



Elaboración: Propia.

El análisis de la distribución de los retornos nos sugiere que estos se distribuyen en una forma leptocúrtica con colas anchas y no de manera normal, como tradicionalmente se supone en las metodologías de cuantificación del riesgo. Por este motivo, se realizarán los ajustes en función a la kurtosis propuestos en Bangia et al. (1998).

Por otro lado, mediante la Prueba de Raíces Unitarias de Dickey-Fuller, se obtuvo un p-value menor al 0.01 (menor a $2.2E-16$), por lo cual rechazamos la hipótesis nula y se concluye que los rendimientos presentan raíces unitarias, lo que permite afirmar que los rendimientos son estacionarios en su media.

Tabla 8: Prueba de Raíces Unitarias de rendimientos de VOLCABC1

```
#####
# Augmented Dickey-Fuller Test Unit Root Test #
#####

Test regression none

Call:
lm(formula = z.diff ~ z.lag.1 - 1 + z.diff.lag)

Residuals:
    Min       1Q   Median       3Q      Max
-0.28526 -0.01463 -0.00069  0.01153  0.33479

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
z.lag.1      -0.904370   0.025072  -36.071  <2e-16 ***
z.diff.lag  -0.005979   0.018587   -0.322   0.748
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

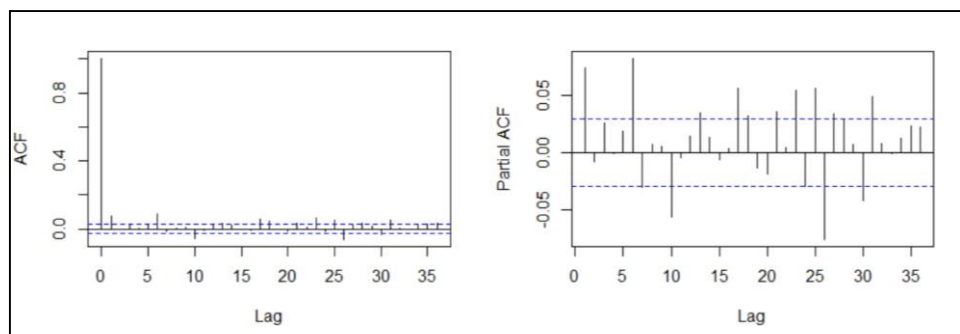
Residual standard error: 0.03109 on 2894 degrees of freedom
Multiple R-squared:  0.455,    Adjusted R-squared:  0.4546
F-statistic: 1208 on 2 and 2894 DF,  p-value: < 2.2e-16

Value of test-statistic is: -36.071

Critical values for test statistics:
      1pct  5pct 10pct
tau1 -2.58 -1.95 -1.62
```

Elaboración: Propia.

Figura 14: Evaluación de Efectos ARCH



Elaboración: Propia.

Tabla 9: Resultados ARCH LM-Test

ARCH LM-test; Null hypothesis: no ARCH effects
data: VOLCABC1\$PX_MID_RET
Chi-squared = 380.49, df = 12, p-value < 2.2e-16

Elaboración: Propia.

En función con los resultados obtenidos, se procedió a estimar los parámetros de los modelos ARCH y GARCH con los retornos del precio medio, obteniendo los siguientes resultados:

Tabla 10: Modelos GARCH para los retornos de VOLCABC1

MODELO	ARCH (1)	ARCH (2)	GARCH (1,1)	GARCH (1,2)	GARCH (2,1)	GARCH
MU	-0.00034154	-0.00058421	-0.00037214	-0.00037001	-0.0003716	
OMEGA	0.00048790	0.00037227	0.00003082	0.00003250		
ARCH (1)	0.69776126	0.50043138	0.16984320	0.18		
ARCH (2)	-	0.26481197				
GARCH(1)	-					
GARCH(2)	-					
AKAIKE	-4.3048					
ARCH + GARCH						
ESTA						

Elaboración: Propia

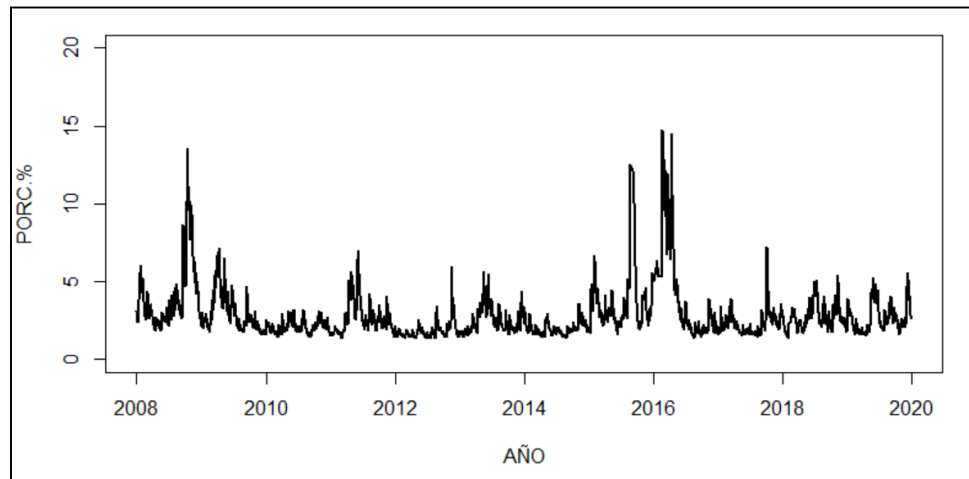
Los resultados nos indican que todos los modelos presentados cumplen la condición de estabilidad y significancia en los coeficientes. Sin embargo, utilizamos el modelo GARCH (1,1) pues presenta el menor criterio de información de Akaike. De esta manera, la ecuación para el cálculo de la desviación estándar que será considerado para el VaR se define de la siguiente manera:

$$\sigma_t^2 = 0.000031 + 0.169344 * y_{t-1}^2 + 0.805000 * \sigma_{t-1}^2$$

$$\sigma_t = \sqrt{0.000031 + 0.168234 * y_{t-1}^2 + 0.806566 * \sigma_{t-1}^2}$$

A continuación, se muestra una figura que muestra la evolución de la volatilidad de los retornos durante el periodo 2008-2019.

Figura 15: Evolución de la Volatilidad de los rendimientos



Elaboración: Propia

El cálculo de la volatilidad de los precios y el script en R Studio, se presentan en los Anexo N° 02 y el Anexo N° 03, respectivamente.

4.1.4. Cálculo del Valor en Riesgo tradicional (VaR)

Luego del tratamiento de la volatilidad del precio medio, este puede ser incorporado dentro del cálculo del VaR tradicional de la acción VOLCABC1, a fin de ejemplificar dicha incorporación, se presentan los datos aplicados al cálculo del día 31.12.2019. Previo a ello, debemos de calcular el factor de corrección θ :

$$\theta = 1 + \phi * \ln\left(\frac{k}{3}\right)$$

$$\theta = 1 + 0.4 * \ln\left(\frac{16.024730}{3}\right)$$

$$\theta = 1.670208$$

Asimismo, debemos introducir el factor de ajuste en la fórmula del VaR:

$$\text{VaR} = P_t [1 - e^{[-2.33 * \theta * \sigma_t]}]$$

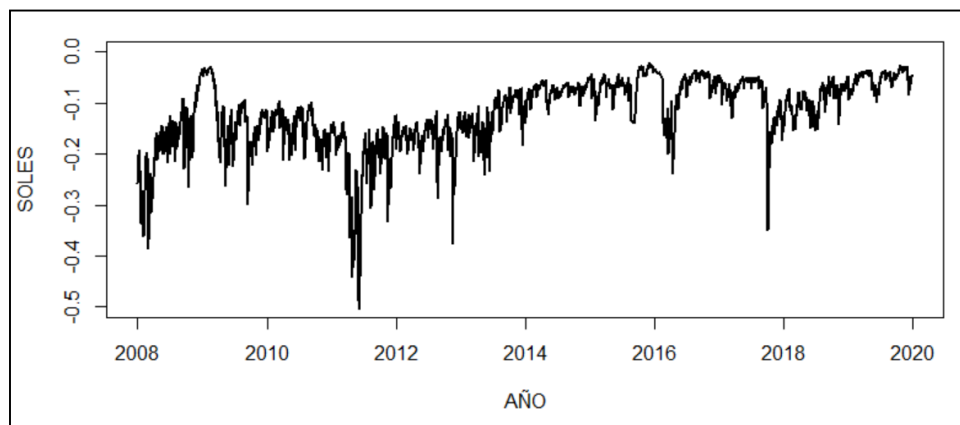
$$\text{VaR} = 0.4475 [1 - e^{[-2.33 * 1.670208 * 0.264607]}]$$

$$\text{VaR} = 0.043723$$

Interpretando el monto calculado, este nos indica que, en un día de negociación, el gestor puede perder 0.043723 soles por cada acción de VOLCABC1, a un nivel de confianza del 99%.

Al replicar y graficar este cálculo para el periodo 2008-2019, obtendremos la siguiente figura:

Figura 16: Evolución del VaR



Elaboración: Propia

Al expresar el VaR tradicional en base al precio medio, obtenemos que el porcentaje promedio del periodo 2008-2010, fue de -10.09%.

Los resultados del VaR durante el periodo 2008-2019 se encuentran en el Anexo N° 04.

4.1.5. Cálculo del Costo de Liquidez Exógena (CLE)

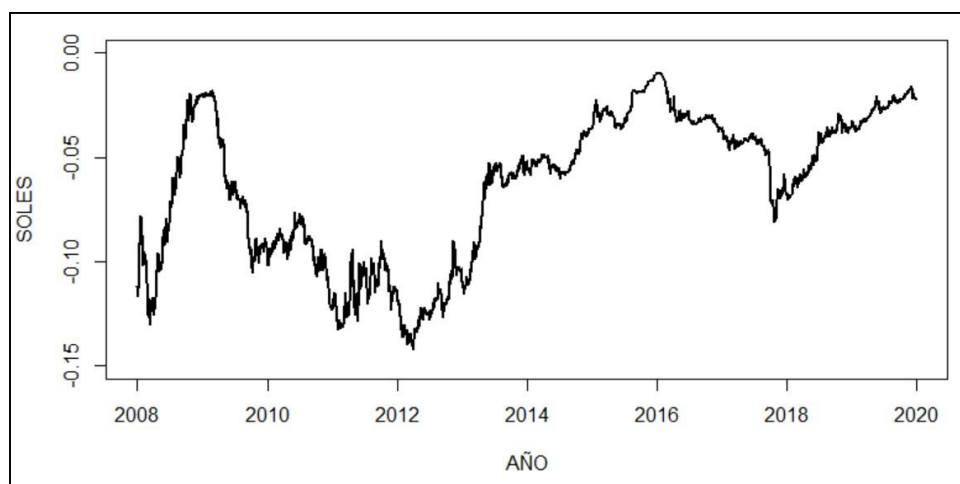
De acuerdo con lo comentado en secciones previas, una medida adecuada del riesgo no sólo debe incorporar la volatilidad de los retornos de la acción, sino que debe capturar eventos inusuales, por ello, se realizó la estimación del CLE. A fin de ejemplificar dicho cálculo, se presentan los datos aplicados al cálculo del día 31.12.2019.

$$\begin{aligned}
 \text{CLE} &= \frac{1}{2} [P(S + \alpha * \sigma)] \\
 \text{CLE} &= \frac{1}{2} [0.4475 * (0.025493 + 2 * 0.037017)] \\
 \text{CLE} &= 0.022269
 \end{aligned}$$

El monto calculado, nos indica que toda vez que un agente tenga en su portafolio la acción VOLCABC1 y desee vender este instrumento, podría percibir una pérdida de 0.022269 debido a la baja liquidez del instrumento, lo que implicaría negociar un precio por debajo del precio medio del mercado a fin de poder liquidar este activo.

Al replicar e ilustrar el cálculo del CLE para el periodo 2008-2019, obtuvimos la siguiente figura:

Figura 17: Evolución del Costo de Liquidez Exógena



Elaboración: Propia

Al expresar el CLE en base al precio medio, obtenemos que el porcentaje promedio del periodo 2008-2010, fue de -4.98%. Esto último, nos indica que el operar con un activo ilíquido, multiplicaría la exposición al riesgo en 1.5 veces, pues el CLE representa cerca de la mitad del riesgo que proviene sólo de movimientos de mercado (VaR tradicional).

Los resultados del CLE durante el periodo 2008-2019 se encuentran en el Anexo N° 04.

4.1.6. Cálculo del Valor en Riesgo ajustado por Liquidez (Ladj-VaR)

Para obtener el VaR ajustado por Liquidez (Ladj – VaR) al 99% de confianza, se deberían de sumar tanto el VaR tradicional como el CLE, para el ejemplo del 31.12.2019, tendríamos que:

$$\text{Ladj} - \text{VaR} = \text{VaR tradicional} + \text{CLE}$$

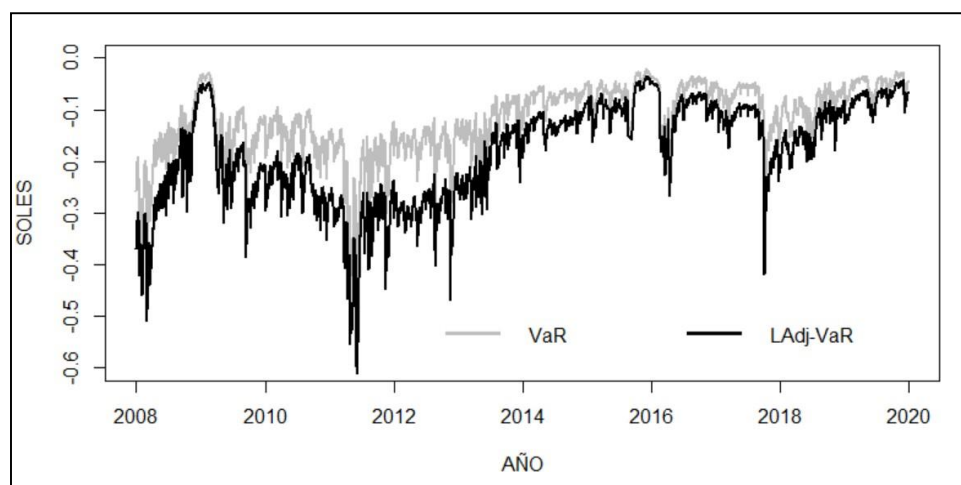
$$\text{Ladj} - \text{VaR} = -(0.043723 + 0.022269) = -0.065992$$

$$\text{Ladj} - \text{VaR} = -0.065992$$

Este cálculo nos indica que por cada acción VOLCABC1 que el custodio desee liquidar el día de negociación siguiente al 31.12.2019, podría perder hasta 0.065992 soles.

Al replicar e ilustrar el cálculo del Ladj-VaR, obtenemos la siguiente figura:

Figura 18: Evolución del VaR y VaR Ajustado por Liquidez



Elaboración: Propia

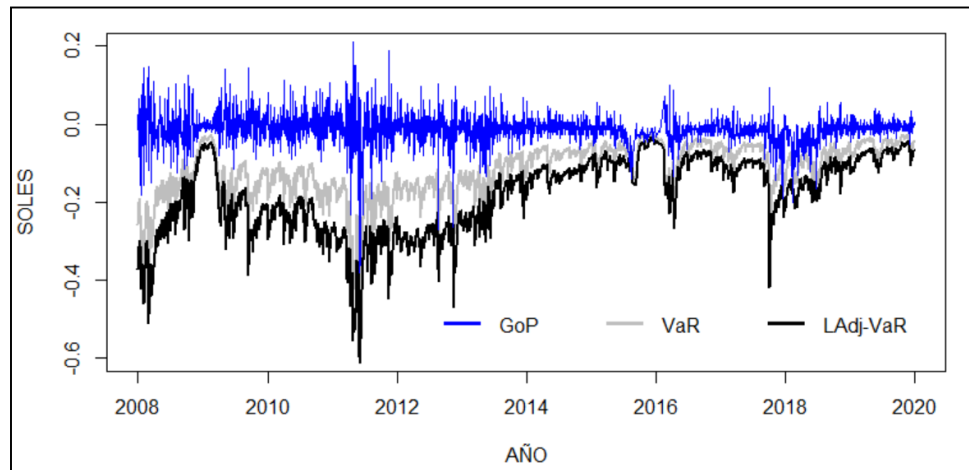
Al expresar el Ladj – VaR en base al precio medio, obtenemos que el porcentaje promedio del periodo 2008-2010, fue de -15.07%.

Los resultados del Ladj – VaR durante el periodo 2008-2019 se encuentran en el Anexo N° 04.

4.1.7. Pruebas retrospectivas

Finalmente, con el objetivo de corroborar las estimaciones de pérdidas del Ladj – VaR, se realizaron las pruebas de backtesting, las cuales buscaron comparar la pérdida realizada contra la pérdida estimada por el modelo Var tradicional y Ladj-VaR.

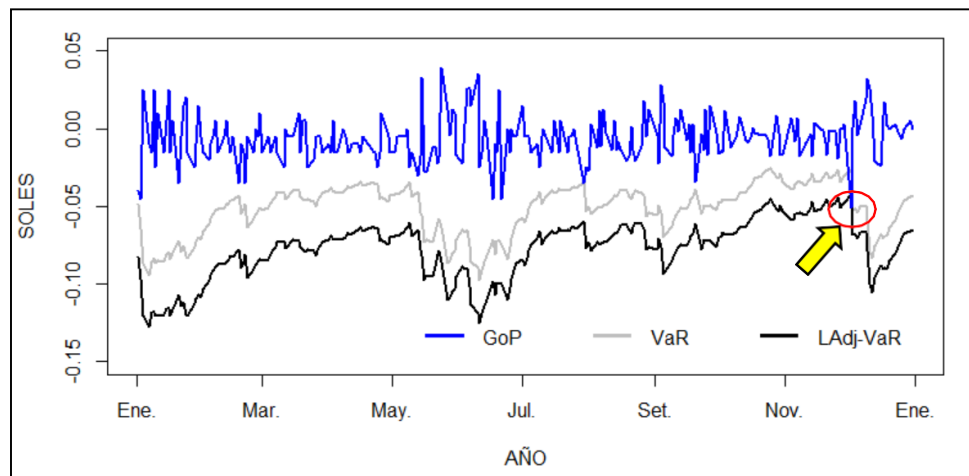
Figura 19: Ganancias/Pérdidas y Valor en Riesgo



Elaboración: Propia

A fin de establecer el periodo más reciente, se puede observar que en el año (252 observaciones), las pérdidas realizadas superaron en 1 ocasión al VaR ajustado, tal como se muestra a continuación:

Figura 20: Prueba Retrospectiva VOLCABC1



Elaboración: Propia

Utilizando la prueba de proporción de fallas de Kupiec, se obtuvo que el número de excesos (1 de 252 observaciones), la razón de verosimilitud (LR) es de 1.20, cumpliéndose el criterio de ser menor que 3.84. Este resultado sugiere que no se rechazará la hipótesis de que el modelo es correcto, indicando que el modelo es confiable para estimar el VaR Ajustado por Liquidez.

Tabla 11: Método de Kupiec – Backtesting

Nivel de confianza	# Observ.	# Excesos	LR	Resultado
99%	252	1	1.20	Se acepta

El detalle total del backtesting realizado en el periodo 2008 - 2019, se puede encontrar en el Anexo N° 04.

4.2. Discusión de resultados

Los resultados de la investigación se encuentran en línea con Bangia, et al. (1998), Ascarruz (2011), Cisneros (2018) y Johnson (2000), quienes identificaron que el riesgo de liquidez de mercado, medido a través del CLE, sí es relevante para la gestión de riesgos financieros, pues sí representa un porcentaje considerable que podría llevar a subestimaciones en los portafolios que no consideren este efecto.

Se identificó que, en línea con Bollerslev (1986) y los ajustes posteriores propuestos por Bangia, et al. (1998), el modelo más adecuado para el tratamiento de los retornos del precio medio de VOLCABC1 fue el modelo GARCH(1,1). Asimismo, al igual que las investigaciones citadas, en este trabajo nos enfrentamos al fenómeno de colas anchas, lo que implica que los valores extremos tienen una probabilidad mayor de ocurrencia, respecto a una distribución normal.

Por otro lado, a diferencia de lo establecido por Ascarruz (2011), que señala que el porcentaje adicional que expone el riesgo de liquidez a los instrumentos es cerca del 2.84%, en este trabajo vemos que la exposición representa, en promedio del periodo 2008 - 2019, 4.98% del precio medio. Esto sugiere que los activos de renta fija, principalmente bonos soberanos, que son en los que Ascarruz (2011) centra su atención tienen una menor exposición al riesgo en contraste con los instrumentos de renta variable, tales como la acción VOLCABC1, sugiriendo que ello se debe a que los bonos soberanos son emitidos por el Ministerio de Economía y Finanzas, quien garantiza su liquidez, independientemente de las condiciones de mercado.

En la misma línea que Ascarruz (2011) y Cisneros (2018), las pruebas retrospectivas o backtesting, arrojaron resultados favorables a los modelos de cuantificación de las pérdidas estimadas por el Ladj-VaR.

Finalmente, a la luz de los resultados del presente estudio y de los hallazgos de otros autores, aún queda espacio para estudiar el comportamiento del riesgo de liquidez de distintos activos del mercado de capitales peruano, de tal forma que se pueda identificar si esta variable sigue siendo relevante para otras acciones, bonos u otros tipos de activos.

5. CONCLUSIONES Y RECOMENDACIONES

5.1. Conclusiones

1. La evolución del spread de precios de compra y venta ha tenido varios puntos máximos durante el periodo de estudio, principalmente en periodos en los que se presentaban fuertes caídas en la cotización de la acción VOLCABC1, lo cual sugiere que un fuerte flujo de salida o reducción de la posición en esta acción generó una mayor iliquidez. El comportamiento de este spread generó también movimientos en la estimación del Costo de Liquidez Exógena (CLE), el cual es resultado de la cuantificación del riesgo de liquidez de mercado.
2. El factor de ajuste de riesgo de liquidez de mercado que se utilizó fue el Costo de Liquidez Exógena (CLE), el cual recoge la media y la desviación estándar del spread de precios de compra y venta relativo al precio medio. En el periodo de estudio, el CLE representó 4.98% de riesgo adicional. Esto nos sugiere que por cada 10 soles de exposición al riesgo por valorización de mercado, deberíamos adicionar cerca de 5 soles por concepto de riesgo de liquidez de mercado.
3. Los rendimientos del precio medio de VOLCABC1, presentaron un comportamiento parecido al normal, sin embargo, tenía una característica más leptocúrtica, lo que genera el fenómeno de colas anchas, brindando mayor probabilidad de ocurrencia para eventos externos. Estos eventos se presentaron en fechas de caídas muy fuerte, productos de crisis financieras y políticas monetarias locales y

extranjerías. Para incorporar el efecto de las colas anchas, se realizó un ajuste en función a la kurtosis de la distribución. El modelo que mejor explicaba el comportamiento de la volatilidad de estos rendimientos fue el modelo GARCH (1,1).

4. Al incorporar el CLE en la metodología tradicional de valoración del riesgo de mercado (VaR tradicional) obtenemos que la máxima pérdida esperada pasa de -10.09% a -15.07%.
5. Las estimaciones del Valor en Riesgo ajustado por Liquidez (Ladj-VaR) cumplieron con los criterios de las pruebas retrospectivas Kupiec, lo cual nos indica que para el periodo 2008-2019, el modelo utilizado en esta investigación es una mejor herramienta para la gestión del riesgo financiero de la acción VOLCABC1.

5.2. Recomendaciones

1. A la luz de los resultados de esta investigación, es sugerible incorporar el efecto del riesgo de liquidez de mercado, mediante el comportamiento del spread de precios de compra y venta incorporándolo al VaR tradicional, a fin de contribuir a la mejora en la gestión del riesgo. Esta recomendación es dirigida específicamente en el campo de gestión de riesgo de mercado y liquidez para instituciones que realizan operaciones con instrumentos del mercado peruano.
2. Es recomendable que instituciones que presentan áreas de inversiones con interés en la inversión en instrumentos de renta fija peruana, prioricen la adquisición de un sistema de información a fin de contar con los datos de los spreads relativos de manera oportuna y fiable.
3. A fin de mejorar la investigación, se sugiere complementar la presente investigación con aplicaciones a instrumentos de renta fija emitidos por el estado, instituciones financieras y corporativas, a fin de corroborar la sostenibilidad de los resultados obtenidos en la presente investigación.

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7. ANEXOS

Anexo N° 01: Tratamiento de la incertidumbre de liquidez de mercado

Los autores empiezan definiendo los rendimientos de activos de un día en el tiempo t , r_t , como la diferencia logarítmica de los precios medios:

$$r_t = \ln[P_t] - \ln[P_{t-1}] = \ln \left[\frac{P_t}{P_{t-1}} \right]$$

Tomando un horizonte de un día sobre el cual se considera el cambio en el valor del activo, y asumiendo que los retornos de un día son gaussianos, el peor valor del 99% es:

$$P_{99\%} = P_t e^{[E[r_t] - 2.33\sigma_t]}$$

Donde $E[r_t]$ y σ_t^2 son los dos primeros momentos de la distribución de los rendimientos de activos, y el múltiplo de 2.33 para la desviación estándar surge de la suposición de normalidad. Sin ninguna pérdida de generalidad, asume que el valor esperado de los rendimientos diarios $E[r_t]$ es cero. El VaR paramétrico estándar (en adelante P-VaR) es:

$$P - \text{VaR} = P_t [1 - e^{-2.33\sigma_t}]$$

Además, se indica que, en las finanzas empíricas, los rendimientos de los activos exhiben agrupaciones de volatilidad: las variaciones no son constantes, sino que cambian con el tiempo. Para calcular este efecto, calculamos la volatilidad como una media móvil exponencialmente ponderada (EWMA) de retornos cuadrados anteriores, como en el modelo VaR tradicional (JP Morgan, 1996). Otra clase de modelos de volatilidad que se ha desarrollado para hacer frente a la volatilidad agrupación son los modelos autorregresivos de heteroscedasticidad condicionada (GARCH).

Posteriormente, los autores desarrollan la incorporación de riesgo de liquidez exógena, puesto que el VaR tradicional sólo considera la volatilidad del precio

medio, mientras que en promedio esperamos que el precio de la oferta sea $1/2 * \bar{S}$ (es decir, $1/2$ veces el promedio del bid-ask spread) por debajo del precio medio. Los autores definen la medida del riesgo de liquidez exógena en términos de un intervalo de confianza o una probabilidad. Definen el coste exógeno de la liquidez (COL: Cost of liquidity) basado en el spread medio, \bar{S} más un múltiplo de la volatilidad del spread, $a * \tilde{\sigma}$ para cubrir la mayoría (digamos 99%) de las situaciones de spread.

$$COL = \frac{1}{2} [P_t [\bar{S} + a * \tilde{\sigma}]]$$

Donde P_t es el precio promedio actual para el activo o instrumento, \bar{S} es el spread relativo promedio (donde el spread relativo es una variable de normalización que permite una mejor comparación entre los spreads de diferentes instrumentos, se define como $(Ask - Bid)/(Ask + Bid/2)$), $\tilde{\sigma}$ es la volatilidad del spread relativo, a es el factor de escala tal que alcanzamos aproximadamente un nivel de confianza del 99%.

Anexo N° 02: Datos iniciales de la acción VOLCABC1

FECHA	PX_BID	PX_ASK	PX_LAST	PX_MID	BA_SPRD	PX_MID_RET	PX_MID_DIF
02/01/2008	2.2410	2.2560	2.2410	2.2485	0.6671%	-0.2443%	-0.0055
03/01/2008	2.3150	2.3290	2.3290	2.3220	0.6029%	3.2166%	0.0735
04/01/2008	2.3290	2.3560	2.3290	2.3425	1.1526%	0.8790%	0.0205
07/01/2008	2.3000	2.3150	2.3150	2.3075	0.6501%	-1.5054%	-0.0350
08/01/2008	2.3030	2.3290	2.3290	2.3160	1.1226%	0.3677%	0.0085
09/01/2008	2.2650	2.2700	2.2700	2.2675	0.2205%	-2.1164%	-0.0485
10/01/2008	2.1520	2.1730	2.1730	2.1625	0.9711%	-4.7413%	-0.1050
11/01/2008	2.0730	2.0790	2.0730	2.0760	0.2890%	-4.0822%	-0.0865
14/01/2008	2.1170	2.1230	2.1230	2.1200	0.2830%	2.0973%	0.0440
15/01/2008	1.9790	1.9960	1.9960	1.9875	0.8553%	-6.4539%	-0.1325
16/01/2008	1.8310	1.8400	1.8400	1.8355	0.4903%	-7.9561%	-0.1520
17/01/2008	1.8280	1.8550	1.8550	1.8415	1.4662%	0.3264%	0.0060
18/01/2008	1.8130	1.8220	1.8220	1.8175	0.4952%	-1.3119%	-0.0240
21/01/2008	1.6360	1.6390	1.6390	1.6375	0.1832%	-10.4291%	-0.1800
22/01/2008	1.7130	1.7160	1.7160	1.7145	0.1750%	4.5951%	0.0770
23/01/2008	1.5630	1.5770	1.5770	1.5700	0.8917%	-8.8046%	-0.1445
24/01/2008	1.6070	1.6160	1.6070	1.6115	0.5585%	2.6090%	0.0415
25/01/2008	1.6450	1.6510	1.6510	1.6480	0.3641%	2.2397%	0.0365
28/01/2008	1.6220	1.6360	1.6360	1.6290	0.8594%	-1.1596%	-0.0190
29/01/2008	1.6750	1.6780	1.6750	1.6765	0.1789%	2.8742%	0.0475
30/01/2008	1.7400	1.7460	1.7460	1.7430	0.3442%	3.8899%	0.0665
31/01/2008	1.8870	1.8930	1.8870	1.8900	0.3175%	8.0969%	0.1470
01/02/2008	1.9520	1.9610	1.9520	1.9565	0.4600%	3.4580%	0.0665
04/02/2008	2.0350	2.0490	2.0350	2.0420	0.6856%	4.2773%	0.0855
05/02/2008	1.8870	1.9020	1.9020	1.8945	0.7918%	-7.4975%	-0.1475
06/02/2008	1.9460	1.9610	1.9460	1.9535	0.7679%	3.0668%	0.0590
07/02/2008	1.9020	1.9170	1.9170	1.9095	0.7855%	-2.2781%	-0.0440
08/02/2008	1.9810	1.9840	1.9840	1.9825	0.1513%	3.7517%	0.0730
11/02/2008	1.9900	2.0050	1.9900	1.9975	0.7509%	0.7538%	0.0150
12/02/2008	2.0230	2.0460	2.0460	2.0345	1.1305%	1.8354%	0.0370
13/02/2008	2.0140	2.0200	2.0200	2.0170	0.2975%	-0.8639%	-0.0175
14/02/2008	2.0050	2.0200	2.0200	2.0125	0.7453%	-0.2234%	-0.0045
15/02/2008	1.9170	1.9550	1.9490	1.9360	1.9628%	-3.8754%	-0.0765
18/02/2008	1.9310	1.9400	1.9400	1.9355	0.4650%	-0.0258%	-0.0005
19/02/2008	1.9610	1.9670	1.9670	1.9640	0.3055%	1.4618%	0.0285
20/02/2008	1.9810	1.9900	1.9810	1.9855	0.4533%	1.0888%	0.0215
21/02/2008	2.0490	2.0520	2.0520	2.0505	0.1463%	3.2213%	0.0650
22/02/2008	2.0610	2.0640	2.0610	2.0625	0.1455%	0.5835%	0.0120
25/02/2008	2.1080	2.1170	2.1080	2.1125	0.4260%	2.3953%	0.0500
26/02/2008	2.2030	2.2110	2.2110	2.2070	0.3625%	4.3762%	0.0945
27/02/2008	2.3530	2.3740	2.3740	2.3635	0.8885%	6.8509%	0.1565
28/02/2008	2.5060	2.5300	2.5300	2.5180	0.9531%	6.3321%	0.1545
29/02/2008	2.4060	2.4120	2.4120	2.4090	0.2491%	-4.4253%	-0.1090

03/03/2008	2.4650	2.4680	2.4680	2.4665	0.1216%	2.3588%	0.0575
04/03/2008	2.3470	2.3560	2.3560	2.3515	0.3827%	-4.7747%	-0.1150
05/03/2008	2.4180	2.4330	2.4180	2.4255	0.6184%	3.0984%	0.0740
06/03/2008	2.4330	2.4440	2.4410	2.4385	0.4511%	0.5345%	0.0130
07/03/2008	2.4800	2.4920	2.4920	2.4860	0.4827%	1.9292%	0.0475
10/03/2008	2.4620	2.4770	2.4620	2.4695	0.6074%	-0.6659%	-0.0165
11/03/2008	2.5420	2.5510	2.5510	2.5465	0.3534%	3.0704%	0.0770
12/03/2008	2.6100	2.6180	2.6210	2.6140	0.3060%	2.6162%	0.0675
13/03/2008	2.5980	2.6070	2.6070	2.6025	0.3458%	-0.4409%	-0.0115
14/03/2008	2.5530	2.5650	2.5590	2.5590	0.4689%	-1.6856%	-0.0435
17/03/2008	2.4090	2.4120	2.4120	2.4105	0.1245%	-5.9782%	-0.1485
18/03/2008	2.4950	2.5060	2.5060	2.5005	0.4399%	3.6657%	0.0900
19/03/2008	2.4330	2.4410	2.4410	2.4370	0.3283%	-2.5723%	-0.0635
24/03/2008	2.3740	2.3820	2.3820	2.3780	0.3364%	-2.4508%	-0.0590
25/03/2008	2.3770	2.3880	2.3880	2.3825	0.4617%	0.1891%	0.0045
26/03/2008	2.3440	2.3590	2.3440	2.3515	0.6379%	-1.3097%	-0.0310
27/03/2008	2.4620	2.4710	2.4620	2.4665	0.3649%	4.7747%	0.1150
28/03/2008	2.4360	2.4410	2.4410	2.4385	0.2050%	-1.1417%	-0.0280
31/03/2008	2.3880	2.4060	2.4060	2.3970	0.7509%	-1.7165%	-0.0415
01/04/2008	2.3590	2.3710	2.3590	2.3650	0.5074%	-1.3440%	-0.0320
02/04/2008	2.4180	2.4300	2.4180	2.4240	0.4950%	2.4641%	0.0590
03/04/2008	2.4650	2.4770	2.4770	2.4710	0.4856%	1.9204%	0.0470
04/04/2008	2.4770	2.4920	2.4920	2.4845	0.6037%	0.5449%	0.0135
07/04/2008	2.5090	2.5210	2.5210	2.5150	0.4771%	1.2201%	0.0305
08/04/2008	2.4530	2.4620	2.4560	2.4575	0.3662%	-2.3128%	-0.0575
09/04/2008	2.4440	2.4470	2.4470	2.4455	0.1227%	-0.4895%	-0.0120
10/04/2008	2.4120	2.4180	2.4180	2.4150	0.2484%	-1.2550%	-0.0305
11/04/2008	2.3800	2.4000	2.4030	2.3900	0.8368%	-1.0406%	-0.0250
14/04/2008	2.3650	2.3740	2.3740	2.3695	0.3798%	-0.8614%	-0.0205
15/04/2008	2.3470	2.3560	2.3560	2.3515	0.3827%	-0.7626%	-0.0180
16/04/2008	2.3000	2.3120	2.3120	2.3060	0.5204%	-1.9539%	-0.0455
17/04/2008	2.2170	2.2230	2.2230	2.2200	0.2703%	-3.8007%	-0.0860
18/04/2008	2.1700	2.1820	2.1700	2.1760	0.5515%	-2.0019%	-0.0440
21/04/2008	2.0880	2.0940	2.0940	2.0910	0.2869%	-3.9846%	-0.0850
22/04/2008	2.0880	2.0940	2.0940	2.0910	0.2869%	0.0000%	0.0000
23/04/2008	2.0640	2.0760	2.0640	2.0700	0.5797%	-1.0094%	-0.0210
24/04/2008	1.9990	2.0050	2.0050	2.0020	0.2997%	-3.3402%	-0.0680
25/04/2008	1.9550	1.9610	1.9610	1.9580	0.3064%	-2.2223%	-0.0440
28/04/2008	1.9200	1.9280	1.9280	1.9240	0.4158%	-1.7517%	-0.0340
29/04/2008	1.9340	1.9400	1.9400	1.9370	0.3098%	0.6734%	0.0130
30/04/2008	1.9400	1.9580	1.9400	1.9490	0.9236%	0.6176%	0.0120
02/05/2008	2.0200	2.0350	2.0200	2.0275	0.7398%	3.9487%	0.0785
05/05/2008	2.0370	2.0490	2.0370	2.0430	0.5874%	0.7616%	0.0155
06/05/2008	2.0940	2.1080	2.1080	2.1010	0.6663%	2.7994%	0.0580
07/05/2008	2.0670	2.0700	2.0700	2.0685	0.1450%	-1.5590%	-0.0325
08/05/2008	2.0490	2.0580	2.0580	2.0535	0.4383%	-0.7278%	-0.0150

09/05/2008	2.0200	2.0350	2.0200	2.0275	0.7398%	-1.2742%	-0.0260
12/05/2008	2.0050	2.0170	2.0170	2.0110	0.5967%	-0.8171%	-0.0165
13/05/2008	2.0350	2.0400	2.0400	2.0375	0.2454%	1.3091%	0.0265
14/05/2008	2.0520	2.0940	2.0940	2.0730	2.0260%	1.7273%	0.0355
19/05/2008	2.0700	2.0790	2.0700	2.0745	0.4338%	0.0723%	0.0015
20/05/2008	2.0230	2.0320	2.0320	2.0275	0.4439%	-2.2917%	-0.0470
21/05/2008	1.9670	1.9760	1.9760	1.9715	0.4565%	-2.8009%	-0.0560
22/05/2008	1.8720	1.8870	1.8870	1.8795	0.7981%	-4.7789%	-0.0920
23/05/2008	1.8100	1.8130	1.8130	1.8115	0.1656%	-3.6851%	-0.0680
26/05/2008	1.8070	1.8130	1.8130	1.8100	0.3315%	-0.0828%	-0.0015
27/05/2008	1.7720	1.7750	1.7750	1.7735	0.1692%	-2.0372%	-0.0365
28/05/2008	1.7340	1.7370	1.7370	1.7355	0.1729%	-2.1659%	-0.0380
29/05/2008	1.6950	1.7100	1.6950	1.7025	0.8811%	-1.9198%	-0.0330
30/05/2008	1.7690	1.7930	1.7690	1.7810	1.3476%	4.5077%	0.0785
02/06/2008	1.8220	1.8250	1.8220	1.8235	0.1645%	2.3583%	0.0425
03/06/2008	1.8430	1.8580	1.8580	1.8505	0.8106%	1.4698%	0.0270
04/06/2008	1.7990	1.8100	1.8100	1.8045	0.6096%	-2.5172%	-0.0460
05/06/2008	1.7460	1.7510	1.7460	1.7485	0.2860%	-3.1525%	-0.0560
06/06/2008	1.7250	1.7370	1.7400	1.7310	0.6932%	-1.0059%	-0.0175
09/06/2008	1.6980	1.7100	1.7100	1.7040	0.7042%	-1.5721%	-0.0270
10/06/2008	1.6660	1.6780	1.6660	1.6720	0.7177%	-1.8958%	-0.0320
11/06/2008	1.6250	1.6360	1.6360	1.6305	0.6746%	-2.5134%	-0.0415
12/06/2008	1.5920	1.5980	1.5980	1.5950	0.3762%	-2.2013%	-0.0355
13/06/2008	1.6220	1.6250	1.6220	1.6235	0.1848%	1.7711%	0.0285
16/06/2008	1.6840	1.6950	1.6840	1.6895	0.6511%	3.9848%	0.0660
17/06/2008	1.7160	1.7250	1.7250	1.7205	0.5231%	1.8182%	0.0310
18/06/2008	1.8130	1.8250	1.8130	1.8190	0.6597%	5.5672%	0.0985
19/06/2008	1.7690	1.7750	1.7690	1.7720	0.3386%	-2.6178%	-0.0470
20/06/2008	1.7750	1.7810	1.7810	1.7780	0.3375%	0.3380%	0.0060
23/06/2008	1.7400	1.7430	1.7430	1.7415	0.1723%	-2.0742%	-0.0365
24/06/2008	1.6950	1.7190	1.7190	1.7070	1.4060%	-2.0009%	-0.0345
25/06/2008	1.6870	1.7010	1.7010	1.6940	0.8264%	-0.7645%	-0.0130
26/06/2008	1.6660	1.6810	1.6810	1.6735	0.8963%	-1.2175%	-0.0205
27/06/2008	1.6810	1.6950	1.6950	1.6880	0.8294%	0.8627%	0.0145
30/06/2008	1.6450	1.6510	1.6510	1.6480	0.3641%	-2.3982%	-0.0400
01/07/2008	1.6320	1.6460	1.6490	1.6390	0.8542%	-0.5476%	-0.0090
02/07/2008	1.5460	1.5630	1.5630	1.5545	1.0936%	-5.2932%	-0.0845
03/07/2008	1.4430	1.4710	1.4710	1.4570	1.9218%	-6.4774%	-0.0975
04/07/2008	1.4460	1.4600	1.4460	1.4530	0.9635%	-0.2749%	-0.0040
07/07/2008	1.4330	1.4430	1.4430	1.4380	0.6954%	-1.0377%	-0.0150
08/07/2008	1.4090	1.4330	1.4260	1.4210	1.6890%	-1.1892%	-0.0170
09/07/2008	1.4600	1.4670	1.4670	1.4635	0.4783%	2.9470%	0.0425
10/07/2008	1.4840	1.4950	1.4840	1.4895	0.7385%	1.7610%	0.0260
11/07/2008	1.4500	1.4530	1.4500	1.4515	0.2067%	-2.5843%	-0.0380
14/07/2008	1.4500	1.4740	1.4740	1.4620	1.6416%	0.7208%	0.0105
15/07/2008	1.3950	1.4190	1.3950	1.4070	1.7058%	-3.8346%	-0.0550

16/07/2008	1.3120	1.3370	1.3230	1.3245	1.8875%	-6.0425%	-0.0825
17/07/2008	1.2750	1.2880	1.2880	1.2815	1.0144%	-3.3004%	-0.0430
18/07/2008	1.1850	1.2200	1.2200	1.2025	2.9106%	-6.3629%	-0.0790
21/07/2008	1.2370	1.2400	1.2370	1.2385	0.2422%	2.9498%	0.0360
22/07/2008	1.2200	1.2330	1.2200	1.2265	1.0599%	-0.9736%	-0.0120
23/07/2008	1.2230	1.2370	1.2370	1.2300	1.1382%	0.2850%	0.0035
24/07/2008	1.1850	1.2030	1.2030	1.1940	1.5075%	-2.9705%	-0.0360
25/07/2008	1.2060	1.2200	1.2200	1.2130	1.1542%	1.5788%	0.0190
30/07/2008	1.2200	1.2230	1.2230	1.2215	0.2456%	0.6983%	0.0085
31/07/2008	1.3260	1.3370	1.3370	1.3315	0.8261%	8.6227%	0.1100
01/08/2008	1.3610	1.3670	1.3670	1.3640	0.4399%	2.4115%	0.0325
04/08/2008	1.3060	1.3190	1.3060	1.3125	0.9905%	-3.8488%	-0.0515
05/08/2008	1.2880	1.2950	1.2950	1.2915	0.5420%	-1.6129%	-0.0210
06/08/2008	1.3060	1.3160	1.3060	1.3110	0.7628%	1.4986%	0.0195
07/08/2008	1.2850	1.3020	1.3020	1.2935	1.3143%	-1.3438%	-0.0175
08/08/2008	1.1680	1.2030	1.2030	1.1855	2.9523%	-8.7187%	-0.1080
11/08/2008	1.1410	1.1510	1.1510	1.1460	0.8726%	-3.3887%	-0.0395
12/08/2008	1.0690	1.0750	1.0750	1.0720	0.5597%	-6.6752%	-0.0740
13/08/2008	1.0820	1.0860	1.0860	1.0840	0.3690%	1.1132%	0.0120
14/08/2008	1.0310	1.0410	1.0410	1.0360	0.9653%	-4.5291%	-0.0480
15/08/2008	0.9960	1.0200	1.0200	1.0080	2.3810%	-2.7399%	-0.0280
18/08/2008	0.9900	0.9930	0.9930	0.9915	0.3026%	-1.6505%	-0.0165
19/08/2008	1.0550	1.0650	1.0620	1.0600	0.9434%	6.6805%	0.0685
20/08/2008	1.0690	1.0820	1.0820	1.0755	1.2087%	1.4517%	0.0155
21/08/2008	1.1030	1.1130	1.1030	1.1080	0.9025%	2.9771%	0.0325
22/08/2008	1.0860	1.0890	1.0890	1.0875	0.2759%	-1.8675%	-0.0205
25/08/2008	1.1340	1.1480	1.1340	1.1410	1.2270%	4.8024%	0.0535
26/08/2008	1.1510	1.1610	1.1610	1.1560	0.8651%	1.3061%	0.0150
27/08/2008	1.1960	1.2030	1.1960	1.1995	0.5836%	3.6939%	0.0435
28/08/2008	1.1680	1.1820	1.1820	1.1750	1.1915%	-2.0637%	-0.0245
29/08/2008	1.1960	1.2030	1.2030	1.1995	0.5836%	2.0637%	0.0245
01/09/2008	1.1680	1.1820	1.1680	1.1750	1.1915%	-2.0637%	-0.0245
02/09/2008	1.1540	1.1580	1.1580	1.1560	0.3460%	-1.6302%	-0.0190
03/09/2008	1.1030	1.1340	1.1170	1.1185	2.7716%	-3.2977%	-0.0375
04/09/2008	1.0690	1.0790	1.0790	1.0740	0.9311%	-4.0599%	-0.0445
05/09/2008	1.0240	1.0310	1.0310	1.0275	0.6813%	-4.4261%	-0.0465
08/09/2008	0.9830	0.9960	0.9960	0.9895	1.3138%	-3.7684%	-0.0380
09/09/2008	0.9690	0.9720	0.9720	0.9705	0.3091%	-1.9388%	-0.0190
10/09/2008	0.9590	0.9620	0.9620	0.9605	0.3123%	-1.0357%	-0.0100
11/09/2008	0.9550	0.9590	0.9590	0.9570	0.4180%	-0.3651%	-0.0035
12/09/2008	0.9650	0.9790	0.9790	0.9720	1.4403%	1.5552%	0.0150
15/09/2008	0.9280	0.9350	0.9350	0.9315	0.7515%	-4.2560%	-0.0405
16/09/2008	0.8490	0.8560	0.8490	0.8525	0.8211%	-8.8623%	-0.0790
17/09/2008	0.7390	0.7560	0.7390	0.7475	2.2742%	-13.1439%	-0.1050
18/09/2008	0.6840	0.6870	0.6870	0.6855	0.4376%	-8.6586%	-0.0620
19/09/2008	0.7900	0.7900	0.7900	0.7900	0.0000%	14.1884%	0.1045

22/09/2008	0.7970	0.8070	0.7970	0.8020	1.2469%	1.5076%	0.0120
23/09/2008	0.7900	0.7970	0.7970	0.7935	0.8822%	-1.0655%	-0.0085
24/09/2008	0.7870	0.7900	0.7900	0.7885	0.3805%	-0.6321%	-0.0050
25/09/2008	0.8250	0.8280	0.8250	0.8265	0.3630%	4.7068%	0.0380
26/09/2008	0.8250	0.8420	0.8420	0.8335	2.0396%	0.8434%	0.0070
29/09/2008	0.7770	0.7830	0.7830	0.7800	0.7692%	-6.6340%	-0.0535
30/09/2008	0.7830	0.7900	0.7900	0.7865	0.8900%	0.8299%	0.0065
01/10/2008	0.8110	0.8180	0.8180	0.8145	0.8594%	3.4982%	0.0280
02/10/2008	0.7590	0.7730	0.7590	0.7660	1.8277%	-6.1392%	-0.0485
03/10/2008	0.7460	0.7520	0.7520	0.7490	0.8011%	-2.2443%	-0.0170
06/10/2008	0.6430	0.6460	0.6430	0.6445	0.4655%	-15.0264%	-0.1045
07/10/2008	0.6010	0.6050	0.6050	0.6030	0.6633%	-6.6558%	-0.0415
09/10/2008	0.5260	0.5330	0.5330	0.5295	1.3220%	-12.9984%	-0.0735
10/10/2008	0.4500	0.4500	0.4500	0.4500	0.0000%	-16.2686%	-0.0795
13/10/2008	0.5740	0.5740	0.5740	0.5740	0.0000%	24.3382%	0.1240
14/10/2008	0.6460	0.6530	0.6460	0.6495	1.0778%	12.3573%	0.0755
15/10/2008	0.5840	0.5880	0.5880	0.5860	0.6826%	-10.2883%	-0.0635
16/10/2008	0.5290	0.5330	0.5330	0.5310	0.7533%	-9.8558%	-0.0550
17/10/2008	0.5670	0.5700	0.5700	0.5685	0.5277%	6.8239%	0.0375
20/10/2008	0.6050	0.6080	0.6080	0.6065	0.4946%	6.4703%	0.0380
21/10/2008	0.5670	0.5770	0.5700	0.5720	1.7483%	-5.8566%	-0.0345
22/10/2008	0.4880	0.4950	0.4950	0.4915	1.4242%	-15.1677%	-0.0805
23/10/2008	0.4600	0.4640	0.4640	0.4620	0.8658%	-6.1897%	-0.0295
24/10/2008	0.4050	0.4120	0.4120	0.4085	1.7136%	-12.3073%	-0.0535
27/10/2008	0.3880	0.3950	0.3990	0.3915	1.7880%	-4.2506%	-0.0170
28/10/2008	0.4050	0.4090	0.4090	0.4070	0.9828%	3.8828%	0.0155
29/10/2008	0.4360	0.4470	0.4360	0.4415	2.4915%	8.1365%	0.0345
30/10/2008	0.4710	0.4740	0.4710	0.4725	0.6349%	6.7860%	0.0310
31/10/2008	0.5020	0.5050	0.5020	0.5035	0.5958%	6.3546%	0.0310
03/11/2008	0.5700	0.5740	0.5740	0.5720	0.6993%	12.7555%	0.0685
04/11/2008	0.6630	0.6630	0.6630	0.6630	0.0000%	14.7636%	0.0910
05/11/2008	0.6390	0.6490	0.6490	0.6440	1.5528%	-2.9076%	-0.0190
06/11/2008	0.5600	0.5630	0.5630	0.5615	0.5343%	-13.7087%	-0.0825
07/11/2008	0.6010	0.6080	0.6080	0.6045	1.1580%	7.3790%	0.0430
10/11/2008	0.6430	0.6490	0.6460	0.6460	0.9288%	6.6398%	0.0415
11/11/2008	0.6150	0.6180	0.6150	0.6165	0.4866%	-4.6741%	-0.0295
12/11/2008	0.5740	0.5840	0.5810	0.5790	1.7271%	-6.2756%	-0.0375
13/11/2008	0.5460	0.5500	0.5460	0.5480	0.7299%	-5.5027%	-0.0310
14/11/2008	0.5360	0.5430	0.5430	0.5395	1.2975%	-1.5633%	-0.0085
17/11/2008	0.5190	0.5220	0.5220	0.5205	0.5764%	-3.5853%	-0.0190
18/11/2008	0.5190	0.5220	0.5220	0.5205	0.5764%	0.0000%	0.0000
19/11/2008	0.4880	0.5020	0.5020	0.4950	2.8283%	-5.0232%	-0.0255
24/11/2008	0.4910	0.4950	0.4950	0.4930	0.8114%	-0.4049%	-0.0020
25/11/2008	0.4470	0.4540	0.4470	0.4505	1.5538%	-9.0151%	-0.0425
26/11/2008	0.4880	0.4910	0.4910	0.4895	0.6129%	8.3026%	0.0390
27/11/2008	0.4950	0.4980	0.4980	0.4965	0.6042%	1.4199%	0.0070

28/11/2008	0.4950	0.4980	0.4950	0.4965	0.6042%	0.0000%	0.0000
01/12/2008	0.4600	0.4640	0.4640	0.4620	0.8658%	-7.2019%	-0.0345
02/12/2008	0.4470	0.4640	0.4500	0.4555	3.7322%	-1.4169%	-0.0065
03/12/2008	0.4430	0.4470	0.4470	0.4450	0.8989%	-2.3321%	-0.0105
04/12/2008	0.4400	0.4430	0.4430	0.4415	0.6795%	-0.7896%	-0.0035
05/12/2008	0.4120	0.4230	0.4120	0.4175	2.6347%	-5.5893%	-0.0240
09/12/2008	0.4460	0.4510	0.4510	0.4485	1.1148%	7.1624%	0.0310
10/12/2008	0.4300	0.4380	0.4420	0.4340	1.8433%	-3.2864%	-0.0145
11/12/2008	0.4170	0.4260	0.4170	0.4215	2.1352%	-2.9225%	-0.0125
12/12/2008	0.4210	0.4340	0.4340	0.4275	3.0409%	1.4135%	0.0060
15/12/2008	0.4090	0.4130	0.4130	0.4110	0.9732%	-3.9361%	-0.0165
16/12/2008	0.4130	0.4170	0.4170	0.4150	0.9639%	0.9685%	0.0040
17/12/2008	0.4090	0.4130	0.4130	0.4110	0.9732%	-0.9685%	-0.0040
18/12/2008	0.4000	0.4090	0.4090	0.4045	2.2250%	-1.5941%	-0.0065
19/12/2008	0.4050	0.4090	0.4090	0.4070	0.9828%	0.6161%	0.0025
22/12/2008	0.3960	0.4000	0.3960	0.3980	1.0050%	-2.2361%	-0.0090
23/12/2008	0.4000	0.4050	0.4000	0.4025	1.2422%	1.1243%	0.0045
24/12/2008	0.4000	0.4050	0.4000	0.4025	1.2422%	0.0000%	0.0000
29/12/2008	0.3960	0.4000	0.4000	0.3980	1.0050%	-1.1243%	-0.0045
30/12/2008	0.4000	0.4050	0.4000	0.4025	1.2422%	1.1243%	0.0045
31/12/2008	0.3960	0.4000	0.4000	0.3980	1.0050%	-1.1243%	-0.0045
05/01/2009	0.4170	0.4260	0.4170	0.4215	2.1352%	5.7368%	0.0235
06/01/2009	0.4170	0.4210	0.4210	0.4190	0.9547%	-0.5949%	-0.0025
07/01/2009	0.4090	0.4130	0.4130	0.4110	0.9732%	-1.9278%	-0.0080
08/01/2009	0.4130	0.4170	0.4130	0.4150	0.9639%	0.9685%	0.0040
09/01/2009	0.4170	0.4210	0.4170	0.4190	0.9547%	0.9592%	0.0040
12/01/2009	0.4170	0.4210	0.4170	0.4190	0.9547%	0.0000%	0.0000
13/01/2009	0.4130	0.4170	0.4170	0.4150	0.9639%	-0.9592%	-0.0040
14/01/2009	0.4090	0.4130	0.4090	0.4110	0.9732%	-0.9685%	-0.0040
15/01/2009	0.3920	0.3960	0.3960	0.3940	1.0152%	-4.2242%	-0.0170
16/01/2009	0.3920	0.4050	0.4050	0.3985	3.2622%	1.1357%	0.0045
19/01/2009	0.4090	0.4130	0.4090	0.4110	0.9732%	3.0886%	0.0125
20/01/2009	0.3960	0.4050	0.4050	0.4005	2.2472%	-2.5879%	-0.0105
21/01/2009	0.3840	0.3920	0.3960	0.3880	2.0619%	-3.1708%	-0.0125
22/01/2009	0.3800	0.3840	0.3840	0.3820	1.0471%	-1.5585%	-0.0060
23/01/2009	0.3800	0.3840	0.3840	0.3820	1.0471%	0.0000%	0.0000
26/01/2009	0.3920	0.4050	0.4050	0.3985	3.2622%	4.2287%	0.0165
27/01/2009	0.3880	0.3920	0.3960	0.3900	1.0256%	-2.1561%	-0.0085
28/01/2009	0.4000	0.4090	0.4090	0.4045	2.2250%	3.6505%	0.0145
29/01/2009	0.4050	0.4090	0.4090	0.4070	0.9828%	0.6161%	0.0025
30/01/2009	0.4050	0.4130	0.4130	0.4090	1.9560%	0.4902%	0.0020
02/02/2009	0.3960	0.4000	0.4000	0.3980	1.0050%	-2.7263%	-0.0110
03/02/2009	0.4000	0.4050	0.4050	0.4025	1.2422%	1.1243%	0.0045
04/02/2009	0.4000	0.4090	0.4090	0.4045	2.2250%	0.4957%	0.0020
05/02/2009	0.4000	0.4090	0.4090	0.4045	2.2250%	0.0000%	0.0000
06/02/2009	0.4000	0.4090	0.4050	0.4045	2.2250%	0.0000%	0.0000

09/02/2009	0.4130	0.4170	0.4130	0.4150	0.9639%	2.5627%	0.0105
10/02/2009	0.4050	0.4130	0.4130	0.4090	1.9560%	-1.4563%	-0.0060
11/02/2009	0.4090	0.4130	0.4130	0.4110	0.9732%	0.4878%	0.0020
12/02/2009	0.4000	0.4090	0.4050	0.4045	2.2250%	-1.5941%	-0.0065
13/02/2009	0.4050	0.4130	0.4090	0.4090	1.9560%	1.1063%	0.0045
16/02/2009	0.4090	0.4130	0.4130	0.4110	0.9732%	0.4878%	0.0020
17/02/2009	0.3960	0.4050	0.3960	0.4005	2.2472%	-2.5879%	-0.0105
18/02/2009	0.3840	0.3920	0.3920	0.3880	2.0619%	-3.1708%	-0.0125
19/02/2009	0.3800	0.3880	0.3880	0.3840	2.0833%	-1.0363%	-0.0040
20/02/2009	0.3630	0.3710	0.3710	0.3670	2.1798%	-4.5281%	-0.0170
23/02/2009	0.3590	0.3630	0.3630	0.3610	1.1080%	-1.6484%	-0.0060
24/02/2009	0.3590	0.3630	0.3590	0.3610	1.1080%	0.0000%	0.0000
25/02/2009	0.3630	0.3670	0.3670	0.3650	1.0959%	1.1019%	0.0040
26/02/2009	0.3840	0.3880	0.3880	0.3860	1.0363%	5.5940%	0.0210
27/02/2009	0.3710	0.3880	0.3920	0.3795	4.4796%	-1.6983%	-0.0065
02/03/2009	0.3840	0.3880	0.3840	0.3860	1.0363%	1.6983%	0.0065
03/03/2009	0.3840	0.3880	0.3840	0.3860	1.0363%	0.0000%	0.0000
04/03/2009	0.4130	0.4170	0.4130	0.4150	0.9639%	7.2441%	0.0290
05/03/2009	0.4050	0.4130	0.4050	0.4090	1.9560%	-1.4563%	-0.0060
06/03/2009	0.4170	0.4210	0.4210	0.4190	0.9547%	2.4156%	0.0100
09/03/2009	0.4260	0.4300	0.4300	0.4280	0.9346%	2.1252%	0.0090
10/03/2009	0.4630	0.4670	0.4670	0.4650	0.8602%	8.2914%	0.0370
11/03/2009	0.4420	0.4510	0.4510	0.4465	2.0157%	-4.0598%	-0.0185
12/03/2009	0.4510	0.4550	0.4510	0.4530	0.8830%	1.4453%	0.0065
13/03/2009	0.4460	0.4550	0.4550	0.4505	1.9978%	-0.5534%	-0.0025
16/03/2009	0.4920	0.5010	0.4960	0.4965	1.8127%	9.7225%	0.0460
17/03/2009	0.4920	0.4960	0.4920	0.4940	0.8097%	-0.5048%	-0.0025
18/03/2009	0.5340	0.5380	0.5340	0.5360	0.7463%	8.1599%	0.0420
19/03/2009	0.5470	0.5550	0.5470	0.5510	1.4519%	2.7601%	0.0150
20/03/2009	0.5340	0.5470	0.5470	0.5405	2.4052%	-1.9240%	-0.0105
23/03/2009	0.5880	0.6010	0.5880	0.5945	2.1867%	9.5226%	0.0540
24/03/2009	0.5920	0.5970	0.5970	0.5945	0.8410%	0.0000%	0.0000
25/03/2009	0.6220	0.6260	0.6260	0.6240	0.6410%	4.8430%	0.0295
26/03/2009	0.6670	0.6760	0.6670	0.6715	1.3403%	7.3364%	0.0475
27/03/2009	0.7010	0.7050	0.7050	0.7030	0.5690%	4.5843%	0.0315
30/03/2009	0.6220	0.6340	0.6340	0.6280	1.9108%	-11.2817%	-0.0750
31/03/2009	0.6670	0.6720	0.6670	0.6695	0.7468%	6.3991%	0.0415
01/04/2009	0.6970	0.7010	0.7010	0.6990	0.5722%	4.3120%	0.0295
02/04/2009	0.7430	0.7470	0.7430	0.7450	0.5369%	6.3733%	0.0460
03/04/2009	0.8130	0.8340	0.8130	0.8235	2.5501%	10.0179%	0.0785
06/04/2009	0.8760	0.8800	0.8760	0.8780	0.4556%	6.4083%	0.0545
07/04/2009	0.8180	0.8300	0.8300	0.8240	1.4563%	-6.3476%	-0.0540
08/04/2009	0.8090	0.8130	0.8130	0.8110	0.4932%	-1.5902%	-0.0130
13/04/2009	0.9050	0.9090	0.9050	0.9070	0.4410%	11.1874%	0.0960
14/04/2009	0.8930	0.9050	0.8930	0.8990	1.3348%	-0.8859%	-0.0080
15/04/2009	0.9010	0.9050	0.9050	0.9030	0.4430%	0.4440%	0.0040

16/04/2009	0.8840	0.8930	0.8930	0.8885	1.0129%	-1.6188%	-0.0145
17/04/2009	0.9090	0.9140	0.9140	0.9115	0.5485%	2.5557%	0.0230
20/04/2009	0.8680	0.8720	0.8720	0.8700	0.4598%	-4.6598%	-0.0415
21/04/2009	0.8680	0.8720	0.8680	0.8700	0.4598%	0.0000%	0.0000
22/04/2009	0.8760	0.8800	0.8760	0.8780	0.4556%	0.9153%	0.0080
23/04/2009	0.8260	0.8300	0.8260	0.8280	0.4831%	-5.8633%	-0.0500
24/04/2009	0.8340	0.8390	0.8390	0.8365	0.5977%	1.0213%	0.0085
27/04/2009	0.8220	0.8260	0.8260	0.8240	0.4854%	-1.5056%	-0.0125
28/04/2009	0.8220	0.8300	0.8260	0.8260	0.9685%	0.2424%	0.0020
29/04/2009	0.8640	0.8680	0.8680	0.8660	0.4619%	4.7290%	0.0400
30/04/2009	0.8640	0.8680	0.8640	0.8660	0.4619%	0.0000%	0.0000
04/05/2009	0.9050	0.9090	0.9050	0.9070	0.4410%	4.6258%	0.0410
05/05/2009	0.9550	0.9600	0.9550	0.9575	0.5222%	5.4183%	0.0505
06/05/2009	1.0300	1.0350	1.0300	1.0325	0.4843%	7.5413%	0.0750
07/05/2009	1.0430	1.0550	1.0430	1.0490	1.1439%	1.5854%	0.0165
08/05/2009	1.1890	1.1930	1.1930	1.1910	0.3359%	12.6956%	0.1420
11/05/2009	1.1680	1.1720	1.1720	1.1700	0.3419%	-1.7790%	-0.0210
12/05/2009	1.2470	1.2520	1.2520	1.2495	0.4002%	6.5740%	0.0795
13/05/2009	1.1890	1.2100	1.1930	1.1995	1.7507%	-4.0839%	-0.0500
14/05/2009	1.2350	1.2390	1.2390	1.2370	0.3234%	3.0784%	0.0375
15/05/2009	1.2220	1.2350	1.2220	1.2285	1.0582%	-0.6895%	-0.0085
18/05/2009	1.2220	1.2310	1.2310	1.2265	0.7338%	-0.1629%	-0.0020
19/05/2009	1.2690	1.2740	1.2740	1.2715	0.3932%	3.6033%	0.0450
20/05/2009	1.3000	1.3050	1.3000	1.3025	0.3839%	2.4088%	0.0310
21/05/2009	1.2740	1.2850	1.2740	1.2795	0.8597%	-1.7816%	-0.0230
22/05/2009	1.2850	1.2900	1.2900	1.2875	0.3883%	0.6233%	0.0080
25/05/2009	1.2590	1.2640	1.2640	1.2615	0.3964%	-2.0401%	-0.0260
26/05/2009	1.3000	1.3050	1.3050	1.3025	0.3839%	3.1984%	0.0410
27/05/2009	1.2430	1.2480	1.2480	1.2455	0.4014%	-4.4748%	-0.0570
28/05/2009	1.2480	1.2530	1.2530	1.2505	0.3998%	0.4006%	0.0050
29/05/2009	1.2590	1.2690	1.2690	1.2640	0.7911%	1.0738%	0.0135
01/06/2009	1.3680	1.3840	1.3730	1.3760	1.1628%	8.4899%	0.1120
02/06/2009	1.4150	1.4200	1.4150	1.4175	0.3527%	2.9714%	0.0415
03/06/2009	1.3790	1.3840	1.3840	1.3815	0.3619%	-2.5725%	-0.0360
04/06/2009	1.3990	1.4050	1.3990	1.4020	0.4280%	1.4730%	0.0205
05/06/2009	1.3840	1.3890	1.3890	1.3865	0.3606%	-1.1117%	-0.0155
08/06/2009	1.3840	1.4100	1.3840	1.3970	1.8611%	0.7544%	0.0105
09/06/2009	1.4100	1.4150	1.4150	1.4125	0.3540%	1.1034%	0.0155
10/06/2009	1.3890	1.3940	1.3940	1.3915	0.3593%	-1.4979%	-0.0210
11/06/2009	1.3840	1.3890	1.3840	1.3865	0.3606%	-0.3600%	-0.0050
12/06/2009	1.3680	1.3730	1.3680	1.3705	0.3648%	-1.1607%	-0.0160
15/06/2009	1.3320	1.3420	1.3420	1.3370	0.7479%	-2.4747%	-0.0335
16/06/2009	1.2740	1.2790	1.2790	1.2765	0.3917%	-4.6306%	-0.0605
17/06/2009	1.2270	1.2320	1.2320	1.2295	0.4067%	-3.7514%	-0.0470
18/06/2009	1.2790	1.2900	1.2900	1.2845	0.8564%	4.3762%	0.0550
19/06/2009	1.3370	1.3470	1.3370	1.3420	0.7452%	4.3792%	0.0575

22/06/2009	1.2270	1.2380	1.2320	1.2325	0.8925%	-8.5116%	-0.1095
23/06/2009	1.2270	1.2320	1.2320	1.2295	0.4067%	-0.2437%	-0.0030
24/06/2009	1.3000	1.3110	1.3110	1.3055	0.8426%	5.9979%	0.0760
25/06/2009	1.3580	1.3680	1.3630	1.3630	0.7337%	4.3102%	0.0575
26/06/2009	1.3160	1.3320	1.3260	1.3240	1.2085%	-2.9031%	-0.0390
30/06/2009	1.3210	1.3260	1.3260	1.3235	0.3778%	-0.0378%	-0.0005
01/07/2009	1.3370	1.3420	1.3420	1.3395	0.3733%	1.2017%	0.0160
02/07/2009	1.3050	1.3160	1.3160	1.3105	0.8394%	-2.1888%	-0.0290
03/07/2009	1.3000	1.3160	1.3050	1.3080	1.2232%	-0.1909%	-0.0025
06/07/2009	1.2480	1.2530	1.2530	1.2505	0.3998%	-4.4956%	-0.0575
07/07/2009	1.2380	1.2430	1.2430	1.2405	0.4031%	-0.8029%	-0.0100
08/07/2009	1.2320	1.2380	1.2380	1.2350	0.4858%	-0.4444%	-0.0055
09/07/2009	1.3110	1.3160	1.3110	1.3135	0.3807%	6.1624%	0.0785
10/07/2009	1.3110	1.3160	1.3110	1.3135	0.3807%	0.0000%	0.0000
13/07/2009	1.3160	1.3320	1.3320	1.3240	1.2085%	0.7962%	0.0105
14/07/2009	1.3730	1.3790	1.3730	1.3760	0.4360%	3.8523%	0.0520
15/07/2009	1.3940	1.4050	1.4050	1.3995	0.7860%	1.6934%	0.0235
16/07/2009	1.3680	1.3790	1.3790	1.3735	0.8009%	-1.8753%	-0.0260
17/07/2009	1.3680	1.3730	1.3680	1.3705	0.3648%	-0.2187%	-0.0030
20/07/2009	1.3940	1.4050	1.4050	1.3995	0.7860%	2.0939%	0.0290
21/07/2009	1.3790	1.3890	1.3890	1.3840	0.7225%	-1.1137%	-0.0155
22/07/2009	1.3680	1.3730	1.3730	1.3705	0.3648%	-0.9802%	-0.0135
23/07/2009	1.3840	1.3890	1.3890	1.3865	0.3606%	1.1607%	0.0160
24/07/2009	1.4050	1.4100	1.4050	1.4075	0.3552%	1.5032%	0.0210
30/07/2009	1.4050	1.4100	1.4100	1.4075	0.3552%	0.0000%	0.0000
31/07/2009	1.3990	1.4050	1.4050	1.4020	0.4280%	-0.3915%	-0.0055
03/08/2009	1.4620	1.4780	1.4620	1.4700	1.0884%	4.7363%	0.0680
04/08/2009	1.4880	1.4930	1.4930	1.4905	0.3355%	1.3849%	0.0205
05/08/2009	1.4830	1.4880	1.4880	1.4855	0.3366%	-0.3360%	-0.0050
06/08/2009	1.4570	1.4620	1.4620	1.4595	0.3426%	-1.7658%	-0.0260
07/08/2009	1.4620	1.4670	1.4670	1.4645	0.3414%	0.3420%	0.0050
10/08/2009	1.4150	1.4360	1.4150	1.4255	1.4732%	-2.6991%	-0.0390
11/08/2009	1.3940	1.4100	1.3940	1.4020	1.1412%	-1.6623%	-0.0235
12/08/2009	1.4150	1.4200	1.4200	1.4175	0.3527%	1.0995%	0.0155
13/08/2009	1.4260	1.4310	1.4260	1.4285	0.3500%	0.7730%	0.0110
14/08/2009	1.4100	1.4150	1.4150	1.4125	0.3540%	-1.1264%	-0.0160
17/08/2009	1.3790	1.3840	1.3840	1.3815	0.3619%	-2.2191%	-0.0310
18/08/2009	1.3840	1.4100	1.4100	1.3970	1.8611%	1.1157%	0.0155
19/08/2009	1.3940	1.3990	1.3940	1.3965	0.3580%	-0.0358%	-0.0005
20/08/2009	1.4150	1.4200	1.4150	1.4175	0.3527%	1.4926%	0.0210
21/08/2009	1.4460	1.4570	1.4520	1.4515	0.7578%	2.3703%	0.0340
24/08/2009	1.4460	1.4620	1.4620	1.4540	1.1004%	0.1721%	0.0025
25/08/2009	1.4620	1.4670	1.4670	1.4645	0.3414%	0.7196%	0.0105
26/08/2009	1.4200	1.4310	1.4310	1.4255	0.7717%	-2.6991%	-0.0390
27/08/2009	1.4310	1.4360	1.4310	1.4335	0.3488%	0.5596%	0.0080
28/08/2009	1.4410	1.4520	1.4520	1.4465	0.7605%	0.9028%	0.0130

31/08/2009	1.4410	1.4520	1.4520	1.4465	0.7605%	0.0000%	0.0000
01/09/2009	1.4050	1.4260	1.4310	1.4155	1.4836%	-2.1664%	-0.0310
02/09/2009	1.4150	1.4200	1.4200	1.4175	0.3527%	0.1412%	0.0020
03/09/2009	1.4780	1.4880	1.4780	1.4830	0.6743%	4.5172%	0.0655
04/09/2009	1.4570	1.4620	1.4620	1.4595	0.3426%	-1.5973%	-0.0235
07/09/2009	1.4570	1.4620	1.4620	1.4595	0.3426%	0.0000%	0.0000
08/09/2009	1.4930	1.5040	1.5040	1.4985	0.7341%	2.6371%	0.0390
09/09/2009	1.5300	1.5400	1.5300	1.5350	0.6515%	2.4066%	0.0365
10/09/2009	1.4990	1.5090	1.5090	1.5040	0.6649%	-2.0402%	-0.0310
11/09/2009	1.5250	1.5400	1.5300	1.5325	0.9788%	1.8772%	0.0285
14/09/2009	1.5300	1.5400	1.5400	1.5350	0.6515%	0.1630%	0.0025
15/09/2009	1.5670	1.5930	1.5670	1.5800	1.6456%	2.8894%	0.0450
16/09/2009	1.7230	1.7750	1.7230	1.7490	2.9731%	10.1619%	0.1690
17/09/2009	1.7750	1.7910	1.7750	1.7830	0.8974%	1.9253%	0.0340
18/09/2009	1.7600	1.7700	1.7700	1.7650	0.5666%	-1.0147%	-0.0180
21/09/2009	1.8020	1.8280	1.8020	1.8150	1.4325%	2.7935%	0.0500
22/09/2009	1.8540	1.8640	1.8540	1.8590	0.5379%	2.3953%	0.0440
23/09/2009	1.8640	1.8800	1.8800	1.8720	0.8547%	0.6969%	0.0130
24/09/2009	1.8430	1.8490	1.8430	1.8460	0.3250%	-1.3986%	-0.0260
25/09/2009	1.8590	1.8690	1.8690	1.8640	0.5365%	0.9704%	0.0180
28/09/2009	1.8800	1.8850	1.8800	1.8825	0.2656%	0.9876%	0.0185
29/09/2009	1.8640	1.8690	1.8640	1.8665	0.2679%	-0.8536%	-0.0160
30/09/2009	1.9320	1.9370	1.9370	1.9345	0.2585%	3.5784%	0.0680
01/10/2009	1.9010	1.9060	1.9060	1.9035	0.2627%	-1.6155%	-0.0310
02/10/2009	1.8690	1.8750	1.8750	1.8720	0.3205%	-1.6687%	-0.0315
05/10/2009	1.9320	1.9430	1.9320	1.9375	0.5677%	3.4391%	0.0655
06/10/2009	1.9690	1.9740	1.9790	1.9715	0.2536%	1.7396%	0.0340
07/10/2009	1.9740	1.9840	1.9740	1.9790	0.5053%	0.3797%	0.0075
09/10/2009	2.0630	2.0730	2.0630	2.0680	0.4836%	4.3990%	0.0890
12/10/2009	2.1150	2.1200	2.1150	2.1175	0.2361%	2.3654%	0.0495
13/10/2009	2.0470	2.0570	2.0570	2.0520	0.4873%	-3.1421%	-0.0655
14/10/2009	2.0000	2.0260	2.0050	2.0130	1.2916%	-1.9189%	-0.0390
15/10/2009	2.0210	2.0370	2.0370	2.0290	0.7886%	0.7917%	0.0160
16/10/2009	1.9900	1.9950	1.9950	1.9925	0.2509%	-1.8153%	-0.0365
19/10/2009	1.9900	1.9950	1.9950	1.9925	0.2509%	0.0000%	0.0000
20/10/2009	1.9530	1.9580	1.9580	1.9555	0.2557%	-1.8744%	-0.0370
21/10/2009	1.9580	1.9740	1.9840	1.9660	0.8138%	0.5355%	0.0105
22/10/2009	2.0000	2.0100	2.0000	2.0050	0.4988%	1.9643%	0.0390
23/10/2009	2.0100	2.0160	2.0160	2.0130	0.2981%	0.3982%	0.0080
26/10/2009	1.9630	1.9690	1.9690	1.9660	0.3052%	-2.3625%	-0.0470
27/10/2009	1.8900	1.8960	1.8960	1.8930	0.3170%	-3.7838%	-0.0730
28/10/2009	1.8330	1.8380	1.8330	1.8355	0.2724%	-3.0846%	-0.0575
29/10/2009	1.8750	1.8850	1.8800	1.8800	0.5319%	2.3955%	0.0445
30/10/2009	1.7910	1.7960	1.7910	1.7935	0.2788%	-4.7103%	-0.0865
02/11/2009	1.7750	1.7810	1.7810	1.7780	0.3375%	-0.8680%	-0.0155
03/11/2009	1.7750	1.7810	1.7750	1.7780	0.3375%	0.0000%	0.0000

04/11/2009	1.8120	1.8170	1.8120	1.8145	0.2756%	2.0321%	0.0365
05/11/2009	1.8220	1.8280	1.8280	1.8250	0.3288%	0.5770%	0.0105
06/11/2009	1.8590	1.8640	1.8590	1.8615	0.2686%	1.9803%	0.0365
09/11/2009	1.8690	1.8750	1.8750	1.8720	0.3205%	0.5625%	0.0105
10/11/2009	1.8640	1.8690	1.8690	1.8665	0.2679%	-0.2942%	-0.0055
11/11/2009	1.8900	1.8960	1.8960	1.8930	0.3170%	1.4098%	0.0265
12/11/2009	1.9160	1.9220	1.9220	1.9190	0.3127%	1.3641%	0.0260
13/11/2009	1.9480	1.9530	1.9530	1.9505	0.2563%	1.6282%	0.0315
16/11/2009	2.0160	2.0210	2.0210	2.0185	0.2477%	3.4269%	0.0680
17/11/2009	1.9630	1.9690	1.9630	1.9660	0.3052%	-2.6354%	-0.0525
18/11/2009	1.9110	1.9270	1.9270	1.9190	0.8338%	-2.4197%	-0.0470
19/11/2009	1.9060	1.9270	1.9060	1.9165	1.0957%	-0.1304%	-0.0025
20/11/2009	1.9270	1.9370	1.9370	1.9320	0.5176%	0.8055%	0.0155
23/11/2009	1.9270	1.9320	1.9320	1.9295	0.2591%	-0.1295%	-0.0025
24/11/2009	1.9060	1.9110	1.9110	1.9085	0.2620%	-1.0943%	-0.0210
25/11/2009	1.9160	1.9220	1.9160	1.9190	0.3127%	0.5487%	0.0105
26/11/2009	1.8640	1.8690	1.8690	1.8665	0.2679%	-2.7739%	-0.0525
27/11/2009	1.8540	1.8590	1.8540	1.8565	0.2693%	-0.5372%	-0.0100
30/11/2009	1.8380	1.8430	1.8430	1.8405	0.2717%	-0.8656%	-0.0160
01/12/2009	1.8540	1.8690	1.8690	1.8615	0.8058%	1.1345%	0.0210
02/12/2009	1.8750	1.8800	1.8750	1.8775	0.2663%	0.8558%	0.0160
03/12/2009	1.8690	1.8750	1.8750	1.8720	0.3205%	-0.2934%	-0.0055
04/12/2009	1.8590	1.8690	1.8690	1.8640	0.5365%	-0.4283%	-0.0080
07/12/2009	1.8280	1.8330	1.8280	1.8305	0.2731%	-1.8136%	-0.0335
09/12/2009	1.8490	1.8540	1.8490	1.8515	0.2701%	1.1407%	0.0210
10/12/2009	1.8490	1.8590	1.8540	1.8540	0.5394%	0.1349%	0.0025
11/12/2009	1.8800	1.8850	1.8800	1.8825	0.2656%	1.5255%	0.0285
14/12/2009	1.9060	1.9160	1.9160	1.9110	0.5233%	1.5026%	0.0285
15/12/2009	1.9010	1.9060	1.9010	1.9035	0.2627%	-0.3932%	-0.0075
16/12/2009	1.8690	1.8800	1.8800	1.8745	0.5868%	-1.5352%	-0.0290
17/12/2009	1.8330	1.8380	1.8380	1.8355	0.2724%	-2.1025%	-0.0390
18/12/2009	1.8280	1.8330	1.8330	1.8305	0.2731%	-0.2728%	-0.0050
21/12/2009	1.7960	1.8020	1.8020	1.7990	0.3335%	-1.7358%	-0.0315
22/12/2009	1.7750	1.7860	1.7860	1.7805	0.6178%	-1.0337%	-0.0185
23/12/2009	1.8120	1.8280	1.8280	1.8200	0.8791%	2.1942%	0.0395
24/12/2009	1.8120	1.8170	1.8170	1.8145	0.2756%	-0.3027%	-0.0055
28/12/2009	1.8220	1.8280	1.8220	1.8250	0.3288%	0.5770%	0.0105
29/12/2009	1.8330	1.8380	1.8330	1.8355	0.2724%	0.5737%	0.0105
30/12/2009	1.8330	1.8380	1.8330	1.8355	0.2724%	0.0000%	0.0000
31/12/2009	1.8540	1.8690	1.8690	1.8615	0.8058%	1.4066%	0.0260
04/01/2010	1.9430	1.9480	1.9430	1.9455	0.2570%	4.4136%	0.0840
05/01/2010	2.0050	2.0100	2.0050	2.0075	0.2491%	3.1371%	0.0620
06/01/2010	2.0470	2.0520	2.0470	2.0495	0.2440%	2.0706%	0.0420
07/01/2010	2.0370	2.0420	2.0370	2.0395	0.2452%	-0.4891%	-0.0100
08/01/2010	2.0370	2.0420	2.0370	2.0395	0.2452%	0.0000%	0.0000
11/01/2010	2.0100	2.0310	2.0310	2.0205	1.0393%	-0.9360%	-0.0190

12/01/2010	1.9840	1.9900	1.9840	1.9870	0.3020%	-1.6719%	-0.0335
13/01/2010	1.9320	1.9370	1.9370	1.9345	0.2585%	-2.6777%	-0.0525
14/01/2010	1.8750	1.8800	1.8800	1.8775	0.2663%	-2.9908%	-0.0570
15/01/2010	1.8900	1.8960	1.8900	1.8930	0.3170%	0.8222%	0.0155
18/01/2010	1.9430	1.9480	1.9430	1.9455	0.2570%	2.7356%	0.0525
19/01/2010	1.9630	1.9690	1.9630	1.9660	0.3052%	1.0482%	0.0205
20/01/2010	1.9270	1.9320	1.9320	1.9295	0.2591%	-1.8740%	-0.0365
21/01/2010	1.9060	1.9220	1.9110	1.9140	0.8359%	-0.8066%	-0.0155
22/01/2010	1.9220	1.9320	1.9220	1.9270	0.5189%	0.6769%	0.0130
25/01/2010	1.9270	1.9320	1.9320	1.9295	0.2591%	0.1297%	0.0025
26/01/2010	1.9320	1.9430	1.9370	1.9375	0.5677%	0.4138%	0.0080
27/01/2010	1.8900	1.9010	1.9010	1.8955	0.5803%	-2.1916%	-0.0420
28/01/2010	1.8690	1.8750	1.8690	1.8720	0.3205%	-1.2475%	-0.0235
29/01/2010	1.8750	1.8800	1.8800	1.8775	0.2663%	0.2934%	0.0055
01/02/2010	1.8960	1.9010	1.8960	1.8985	0.2634%	1.1123%	0.0210
02/02/2010	1.9160	1.9220	1.9220	1.9190	0.3127%	1.0740%	0.0205
03/02/2010	1.8960	1.9060	1.9060	1.9010	0.5260%	-0.9424%	-0.0180
04/02/2010	1.8220	1.8280	1.8280	1.8250	0.3288%	-4.0800%	-0.0760
05/02/2010	1.8020	1.8070	1.8070	1.8045	0.2771%	-1.1296%	-0.0205
08/02/2010	1.8220	1.8280	1.8280	1.8250	0.3288%	1.1296%	0.0205
09/02/2010	1.8690	1.8750	1.8750	1.8720	0.3205%	2.5427%	0.0470
10/02/2010	1.8490	1.8540	1.8540	1.8515	0.2701%	-1.1011%	-0.0205
11/02/2010	1.8850	1.8900	1.8900	1.8875	0.2649%	1.9257%	0.0360
12/02/2010	1.8540	1.8590	1.8540	1.8565	0.2693%	-1.6560%	-0.0310
15/02/2010	1.8590	1.8750	1.8590	1.8670	0.8570%	0.5640%	0.0105
16/02/2010	1.8540	1.8640	1.8640	1.8590	0.5379%	-0.4294%	-0.0080
17/02/2010	1.8380	1.8490	1.8380	1.8435	0.5967%	-0.8373%	-0.0155
18/02/2010	1.8430	1.8490	1.8490	1.8460	0.3250%	0.1355%	0.0025
19/02/2010	1.8430	1.8490	1.8430	1.8460	0.3250%	0.0000%	0.0000
22/02/2010	1.8070	1.8170	1.8120	1.8120	0.5519%	-1.8590%	-0.0340
23/02/2010	1.7750	1.7810	1.7810	1.7780	0.3375%	-1.8942%	-0.0340
24/02/2010	1.7910	1.7960	1.7960	1.7935	0.2788%	0.8680%	0.0155
25/02/2010	1.7650	1.7860	1.7650	1.7755	1.1828%	-1.0087%	-0.0180
26/02/2010	1.7280	1.7490	1.7490	1.7385	1.2079%	-2.1059%	-0.0370
01/03/2010	1.7440	1.7490	1.7490	1.7465	0.2863%	0.4591%	0.0080
02/03/2010	1.7600	1.7650	1.7600	1.7625	0.2837%	0.9119%	0.0160
03/03/2010	1.7860	1.7960	1.7860	1.7910	0.5583%	1.6041%	0.0285
04/03/2010	1.7860	1.8220	1.7860	1.8040	1.9956%	0.7232%	0.0130
05/03/2010	1.8070	1.8120	1.8120	1.8095	0.2763%	0.3044%	0.0055
08/03/2010	1.8020	1.8070	1.8120	1.8045	0.2771%	-0.2767%	-0.0050
09/03/2010	1.7810	1.8070	1.8020	1.7940	1.4493%	-0.5836%	-0.0105
10/03/2010	1.7810	1.8020	1.8020	1.7915	1.1722%	-0.1395%	-0.0025
11/03/2010	1.7810	1.7860	1.7860	1.7835	0.2803%	-0.4476%	-0.0080
12/03/2010	1.7130	1.7230	1.7230	1.7180	0.5821%	-3.7417%	-0.0655
15/03/2010	1.6810	1.6870	1.6810	1.6840	0.3563%	-1.9989%	-0.0340
16/03/2010	1.6970	1.7130	1.6970	1.7050	0.9384%	1.2393%	0.0210

17/03/2010	1.7490	1.7600	1.7490	1.7545	0.6270%	2.8619%	0.0495
18/03/2010	1.7600	1.7650	1.7600	1.7625	0.2837%	0.4549%	0.0080
19/03/2010	1.7390	1.7440	1.7440	1.7415	0.2871%	-1.1986%	-0.0210
22/03/2010	1.7340	1.7440	1.7440	1.7390	0.5750%	-0.1437%	-0.0025
23/03/2010	1.7490	1.7550	1.7490	1.7520	0.3425%	0.7448%	0.0130
24/03/2010	1.7230	1.7440	1.7440	1.7335	1.2114%	-1.0616%	-0.0185
25/03/2010	1.7550	1.7650	1.7550	1.7600	0.5682%	1.5171%	0.0265
26/03/2010	1.7550	1.7700	1.7550	1.7625	0.8511%	0.1419%	0.0025
29/03/2010	1.7810	1.7910	1.7810	1.7860	0.5599%	1.3245%	0.0235
30/03/2010	1.7910	1.7960	1.7960	1.7935	0.2788%	0.4191%	0.0075
31/03/2010	1.7810	1.7860	1.7860	1.7835	0.2803%	-0.5591%	-0.0100
05/04/2010	1.8960	1.9010	1.8960	1.8985	0.2634%	6.2486%	0.1150
06/04/2010	1.9160	1.9320	1.9320	1.9240	0.8316%	1.3342%	0.0255
07/04/2010	1.9010	1.9060	1.9060	1.9035	0.2627%	-1.0712%	-0.0205
08/04/2010	1.8800	1.8960	1.8850	1.8880	0.8475%	-0.8176%	-0.0155
09/04/2010	1.8960	1.9010	1.9010	1.8985	0.2634%	0.5546%	0.0105
12/04/2010	1.8800	1.8850	1.8850	1.8825	0.2656%	-0.8463%	-0.0160
13/04/2010	1.8590	1.8640	1.8640	1.8615	0.2686%	-1.1218%	-0.0210
14/04/2010	1.8750	1.8800	1.8750	1.8775	0.2663%	0.8558%	0.0160
15/04/2010	1.8540	1.8590	1.8590	1.8565	0.2693%	-1.1248%	-0.0210
16/04/2010	1.8170	1.8280	1.8170	1.8225	0.6036%	-1.8484%	-0.0340
19/04/2010	1.8280	1.8380	1.8280	1.8330	0.5456%	0.5745%	0.0105
20/04/2010	1.8430	1.8540	1.8490	1.8485	0.5951%	0.8421%	0.0155
21/04/2010	1.8850	1.8900	1.8850	1.8875	0.2649%	2.0879%	0.0390
22/04/2010	1.9110	1.9160	1.9110	1.9135	0.2613%	1.3681%	0.0260
23/04/2010	1.9480	1.9530	1.9530	1.9505	0.2563%	1.9152%	0.0370
26/04/2010	1.9820	1.9880	1.9880	1.9850	0.3023%	1.7533%	0.0345
27/04/2010	1.9300	1.9420	1.9360	1.9360	0.6198%	-2.4995%	-0.0490
28/04/2010	1.9530	1.9590	1.9590	1.9560	0.3067%	1.0278%	0.0200
29/04/2010	1.9420	1.9480	1.9420	1.9450	0.3085%	-0.5640%	-0.0110
30/04/2010	1.9130	1.9240	1.9190	1.9185	0.5734%	-1.3718%	-0.0265
03/05/2010	1.9360	1.9530	1.9530	1.9445	0.8743%	1.3461%	0.0260
04/05/2010	1.8720	1.8780	1.8780	1.8750	0.3200%	-3.6396%	-0.0695
05/05/2010	1.8610	1.8660	1.8660	1.8635	0.2683%	-0.6152%	-0.0115
06/05/2010	1.8320	1.8370	1.8370	1.8345	0.2726%	-1.5684%	-0.0290
07/05/2010	1.7910	1.7970	1.7970	1.7940	0.3344%	-2.2324%	-0.0405
10/05/2010	1.8950	1.9010	1.9010	1.8980	0.3161%	5.6353%	0.1040
11/05/2010	1.8720	1.8780	1.8780	1.8750	0.3200%	-1.2192%	-0.0230
12/05/2010	1.8840	1.9010	1.8840	1.8925	0.8983%	0.9290%	0.0175
13/05/2010	1.8840	1.8900	1.8900	1.8870	0.3180%	-0.2910%	-0.0055
14/05/2010	1.7970	1.8260	1.8200	1.8115	1.6009%	-4.0833%	-0.0755
17/05/2010	1.7790	1.7850	1.7850	1.7820	0.3367%	-1.6419%	-0.0295
18/05/2010	1.7910	1.7970	1.7970	1.7940	0.3344%	0.6711%	0.0120
19/05/2010	1.7510	1.7560	1.7560	1.7535	0.2851%	-2.2834%	-0.0405
20/05/2010	1.7160	1.7220	1.7160	1.7190	0.3490%	-1.9871%	-0.0345
21/05/2010	1.8030	1.8080	1.8080	1.8055	0.2769%	4.9095%	0.0865

24/05/2010	1.8080	1.8140	1.8140	1.8110	0.3313%	0.3042%	0.0055
25/05/2010	1.7560	1.7620	1.7560	1.7590	0.3411%	-2.9134%	-0.0520
26/05/2010	1.7620	1.7680	1.7680	1.7650	0.3399%	0.3405%	0.0060
27/05/2010	1.7850	1.7910	1.7910	1.7880	0.3356%	1.2947%	0.0230
28/05/2010	1.7390	1.7910	1.7910	1.7650	2.9462%	-1.2947%	-0.0230
31/05/2010	1.7620	1.7680	1.7680	1.7650	0.3399%	0.0000%	0.0000
01/06/2010	1.7270	1.7330	1.7270	1.7300	0.3468%	-2.0029%	-0.0350
02/06/2010	1.6980	1.7040	1.6980	1.7010	0.3527%	-1.6905%	-0.0290
03/06/2010	1.6810	1.6870	1.6870	1.6840	0.3563%	-1.0044%	-0.0170
04/06/2010	1.6060	1.6170	1.6170	1.6115	0.6826%	-4.4006%	-0.0725
07/06/2010	1.5300	1.5360	1.5360	1.5330	0.3914%	-4.9939%	-0.0785
08/06/2010	1.5530	1.5650	1.5650	1.5590	0.7697%	1.6818%	0.0260
09/06/2010	1.6170	1.6230	1.6230	1.6200	0.3704%	3.8382%	0.0610
10/06/2010	1.6520	1.6580	1.6580	1.6550	0.3625%	2.1375%	0.0350
11/06/2010	1.6640	1.6750	1.6640	1.6695	0.6589%	0.8723%	0.0145
14/06/2010	1.6750	1.6810	1.6810	1.6780	0.3576%	0.5078%	0.0085
15/06/2010	1.6810	1.6980	1.6980	1.6895	1.0062%	0.6830%	0.0115
16/06/2010	1.6690	1.6810	1.6810	1.6750	0.7164%	-0.8619%	-0.0145
17/06/2010	1.6690	1.6750	1.6690	1.6720	0.3589%	-0.1793%	-0.0030
18/06/2010	1.6460	1.6520	1.6520	1.6490	0.3639%	-1.3851%	-0.0230
21/06/2010	1.6640	1.6690	1.6690	1.6665	0.3000%	1.0557%	0.0175
22/06/2010	1.6580	1.6640	1.6640	1.6610	0.3612%	-0.3306%	-0.0055
23/06/2010	1.6290	1.6640	1.6460	1.6465	2.1257%	-0.8768%	-0.0145
24/06/2010	1.6000	1.6230	1.6230	1.6115	1.4272%	-2.1486%	-0.0350
25/06/2010	1.6290	1.6520	1.6290	1.6405	1.4020%	1.7836%	0.0290
28/06/2010	1.6060	1.6230	1.6060	1.6145	1.0530%	-1.5976%	-0.0260
30/06/2010	1.5940	1.6230	1.5940	1.6085	1.8029%	-0.3723%	-0.0060
01/07/2010	1.5480	1.5650	1.5650	1.5565	1.0922%	-3.2862%	-0.0520
02/07/2010	1.5590	1.5650	1.5650	1.5620	0.3841%	0.3527%	0.0055
05/07/2010	1.5480	1.5530	1.5480	1.5505	0.3225%	-0.7390%	-0.0115
06/07/2010	1.5360	1.5480	1.5480	1.5420	0.7782%	-0.5497%	-0.0085
07/07/2010	1.5590	1.5650	1.5590	1.5620	0.3841%	1.2887%	0.0200
08/07/2010	1.5710	1.5880	1.5940	1.5795	1.0763%	1.1141%	0.0175
09/07/2010	1.6290	1.6400	1.6290	1.6345	0.6730%	3.4229%	0.0550
12/07/2010	1.6290	1.6460	1.6290	1.6375	1.0382%	0.1834%	0.0030
13/07/2010	1.6520	1.6580	1.6580	1.6550	0.3625%	1.0630%	0.0175
14/07/2010	1.6460	1.6520	1.6520	1.6490	0.3639%	-0.3632%	-0.0060
15/07/2010	1.6290	1.6460	1.6350	1.6375	1.0382%	-0.6998%	-0.0115
16/07/2010	1.6000	1.6110	1.6000	1.6055	0.6851%	-1.9735%	-0.0320
19/07/2010	1.5650	1.5820	1.5820	1.5735	1.0804%	-2.0133%	-0.0320
20/07/2010	1.5880	1.5940	1.5880	1.5910	0.3771%	1.1060%	0.0175
21/07/2010	1.5770	1.5820	1.5770	1.5795	0.3166%	-0.7254%	-0.0115
22/07/2010	1.6520	1.6690	1.6520	1.6605	1.0238%	5.0010%	0.0810
23/07/2010	1.6750	1.6810	1.6810	1.6780	0.3576%	1.0484%	0.0175
26/07/2010	1.6640	1.6750	1.6640	1.6695	0.6589%	-0.5078%	-0.0085
27/07/2010	1.6400	1.6460	1.6460	1.6430	0.3652%	-1.6000%	-0.0265

30/07/2010	1.6690	1.6750	1.6690	1.6720	0.3589%	1.7497%	0.0290
02/08/2010	1.7680	1.7740	1.7680	1.7710	0.3388%	5.7524%	0.0990
03/08/2010	1.8260	1.8320	1.8260	1.8290	0.3280%	3.2225%	0.0580
04/08/2010	1.8140	1.8200	1.8140	1.8170	0.3302%	-0.6583%	-0.0120
05/08/2010	1.8030	1.8080	1.8080	1.8055	0.2769%	-0.6349%	-0.0115
06/08/2010	1.7740	1.7790	1.7790	1.7765	0.2815%	-1.6192%	-0.0290
09/08/2010	1.8260	1.8370	1.8260	1.8315	0.6006%	3.0490%	0.0550
10/08/2010	1.8370	1.8550	1.8370	1.8460	0.9751%	0.7886%	0.0145
11/08/2010	1.7970	1.8080	1.8080	1.8025	0.6103%	-2.3847%	-0.0435
12/08/2010	1.8320	1.8370	1.8320	1.8345	0.2726%	1.7597%	0.0320
13/08/2010	1.8200	1.8320	1.8260	1.8260	0.6572%	-0.4644%	-0.0085
16/08/2010	1.8080	1.8260	1.8260	1.8170	0.9906%	-0.4941%	-0.0090
17/08/2010	1.8320	1.8370	1.8320	1.8345	0.2726%	0.9585%	0.0175
18/08/2010	1.8200	1.8260	1.8260	1.8230	0.3291%	-0.6288%	-0.0115
19/08/2010	1.7910	1.7970	1.7910	1.7940	0.3344%	-1.6036%	-0.0290
20/08/2010	1.7850	1.7970	1.7910	1.7910	0.6700%	-0.1674%	-0.0030
23/08/2010	1.7790	1.7850	1.7850	1.7820	0.3367%	-0.5038%	-0.0090
24/08/2010	1.7510	1.7560	1.7510	1.7535	0.2851%	-1.6123%	-0.0285
25/08/2010	1.7560	1.7620	1.7560	1.7590	0.3411%	0.3132%	0.0055
26/08/2010	1.7680	1.7740	1.7790	1.7710	0.3388%	0.6799%	0.0120
27/08/2010	1.7740	1.7790	1.7740	1.7765	0.2815%	0.3101%	0.0055
31/08/2010	1.7680	1.7740	1.7680	1.7710	0.3388%	-0.3101%	-0.0055
01/09/2010	1.7850	1.7970	1.7970	1.7910	0.6700%	1.1230%	0.0200
02/09/2010	1.7740	1.7790	1.7790	1.7765	0.2815%	-0.8129%	-0.0145
03/09/2010	1.7910	1.7970	1.7970	1.7940	0.3344%	0.9803%	0.0175
06/09/2010	1.8080	1.8140	1.8140	1.8110	0.3313%	0.9431%	0.0170
07/09/2010	1.8080	1.8140	1.8140	1.8110	0.3313%	0.0000%	0.0000
08/09/2010	1.8080	1.8140	1.8140	1.8110	0.3313%	0.0000%	0.0000
09/09/2010	1.7910	1.7970	1.7970	1.7940	0.3344%	-0.9431%	-0.0170
10/09/2010	1.8140	1.8200	1.8140	1.8170	0.3302%	1.2739%	0.0230
13/09/2010	1.8610	1.8660	1.8660	1.8635	0.2683%	2.5270%	0.0465
14/09/2010	1.8550	1.8660	1.8550	1.8605	0.5912%	-0.1611%	-0.0030
15/09/2010	1.8610	1.8660	1.8660	1.8635	0.2683%	0.1611%	0.0030
16/09/2010	1.8370	1.8610	1.8610	1.8490	1.2980%	-0.7811%	-0.0145
17/09/2010	1.8610	1.8660	1.8610	1.8635	0.2683%	0.7811%	0.0145
20/09/2010	1.8720	1.8780	1.8720	1.8750	0.3200%	0.6152%	0.0115
21/09/2010	1.9300	1.9360	1.9300	1.9330	0.3104%	3.0465%	0.0580
22/09/2010	1.9880	2.0000	2.0000	1.9940	0.6018%	3.1069%	0.0610
23/09/2010	1.9590	1.9710	1.9710	1.9650	0.6107%	-1.4650%	-0.0290
24/09/2010	2.0000	2.0060	2.0060	2.0030	0.2996%	1.9154%	0.0380
27/09/2010	1.9940	2.0000	2.0000	1.9970	0.3005%	-0.3000%	-0.0060
28/09/2010	2.0400	2.0580	2.0580	2.0490	0.8785%	2.5706%	0.0520
29/09/2010	2.0460	2.0520	2.0460	2.0490	0.2928%	0.0000%	0.0000
30/09/2010	2.0350	2.0580	2.0580	2.0465	1.1239%	-0.1221%	-0.0025
01/10/2010	2.0640	2.0750	2.0750	2.0695	0.5315%	1.1176%	0.0230
04/10/2010	2.0400	2.0460	2.0400	2.0430	0.2937%	-1.2888%	-0.0265

05/10/2010	2.1270	2.1330	2.1270	2.1300	0.2817%	4.1703%	0.0870
06/10/2010	2.1500	2.1560	2.1500	2.1530	0.2787%	1.0740%	0.0230
07/10/2010	2.1210	2.1270	2.1210	2.1240	0.2825%	-1.3561%	-0.0290
11/10/2010	2.1210	2.1330	2.1330	2.1270	0.5642%	0.1411%	0.0030
12/10/2010	2.0640	2.0870	2.0870	2.0755	1.1082%	-2.4510%	-0.0515
13/10/2010	2.1040	2.1100	2.1100	2.1070	0.2848%	1.5063%	0.0315
14/10/2010	2.0810	2.0870	2.0870	2.0840	0.2879%	-1.0976%	-0.0230
15/10/2010	2.0170	2.0290	2.0290	2.0230	0.5932%	-2.9708%	-0.0610
18/10/2010	1.9650	1.9820	1.9650	1.9735	0.8614%	-2.4773%	-0.0495
19/10/2010	1.9590	1.9710	1.9590	1.9650	0.6107%	-0.4316%	-0.0085
20/10/2010	2.0230	2.0290	2.0290	2.0260	0.2962%	3.0571%	0.0610
21/10/2010	1.9650	2.0290	1.9650	1.9970	3.2048%	-1.4417%	-0.0290
22/10/2010	2.0870	2.0930	2.0930	2.0900	0.2871%	4.5518%	0.0930
25/10/2010	2.0290	2.0580	2.0290	2.0435	1.4191%	-2.2500%	-0.0465
26/10/2010	2.0060	2.0110	2.0110	2.0085	0.2489%	-1.7276%	-0.0350
27/10/2010	1.9130	1.9190	1.9130	1.9160	0.3132%	-4.7148%	-0.0925
28/10/2010	1.8720	1.8950	1.8950	1.8835	1.2211%	-1.7108%	-0.0325
29/10/2010	1.9010	1.9130	1.9130	1.9070	0.6293%	1.2400%	0.0235
02/11/2010	1.8950	1.9130	1.9130	1.9040	0.9454%	-0.1574%	-0.0030
03/11/2010	1.8950	1.9130	1.9130	1.9040	0.9454%	0.0000%	0.0000
04/11/2010	1.9590	1.9650	1.9590	1.9620	0.3058%	3.0007%	0.0580
05/11/2010	2.0230	2.0290	2.0290	2.0260	0.2962%	3.2099%	0.0640
08/11/2010	1.9880	2.0000	2.0000	1.9940	0.6018%	-1.5921%	-0.0320
09/11/2010	2.0750	2.1040	2.0870	2.0895	1.3879%	4.6782%	0.0955
10/11/2010	2.0750	2.0810	2.0750	2.0780	0.2887%	-0.5519%	-0.0115
11/11/2010	2.0640	2.0690	2.0640	2.0665	0.2420%	-0.5550%	-0.0115
12/11/2010	2.0400	2.0460	2.0460	2.0430	0.2937%	-1.1437%	-0.0235
15/11/2010	1.9940	2.0000	2.0000	1.9970	0.3005%	-2.2773%	-0.0460
16/11/2010	1.9300	1.9420	1.9360	1.9360	0.6198%	-3.1022%	-0.0610
17/11/2010	1.9300	1.9360	1.9360	1.9330	0.3104%	-0.1551%	-0.0030
18/11/2010	1.9770	1.9820	1.9770	1.9795	0.2526%	2.3771%	0.0465
19/11/2010	1.9770	1.9820	1.9770	1.9795	0.2526%	0.0000%	0.0000
22/11/2010	1.9590	1.9650	1.9650	1.9620	0.3058%	-0.8880%	-0.0175
23/11/2010	1.9420	1.9590	1.9420	1.9505	0.8716%	-0.5879%	-0.0115
24/11/2010	2.0110	2.0230	2.0230	2.0170	0.5949%	3.3526%	0.0665
25/11/2010	2.0290	2.0400	2.0400	2.0345	0.5407%	0.8639%	0.0175
26/11/2010	2.0000	2.0060	2.0060	2.0030	0.2996%	-1.5604%	-0.0315
29/11/2010	2.0060	2.0110	2.0060	2.0085	0.2489%	0.2742%	0.0055
30/11/2010	2.0580	2.0750	2.0580	2.0665	0.8226%	2.8468%	0.0580
01/12/2010	2.1360	2.1490	2.1420	2.1425	0.6068%	3.6117%	0.0760
02/12/2010	2.1870	2.1930	2.1930	2.1900	0.2740%	2.1928%	0.0475
03/12/2010	2.1550	2.1680	2.1680	2.1615	0.6014%	-1.3099%	-0.0285
06/12/2010	2.1360	2.1420	2.1360	2.1390	0.2805%	-1.0464%	-0.0225
07/12/2010	2.1610	2.1680	2.1680	2.1645	0.3234%	1.1851%	0.0255
09/12/2010	2.1610	2.1680	2.1680	2.1645	0.3234%	0.0000%	0.0000
10/12/2010	2.1740	2.1810	2.1740	2.1775	0.3215%	0.5988%	0.0130

13/12/2010	2.2120	2.2250	2.2120	2.2185	0.5860%	1.8654%	0.0410
14/12/2010	2.2510	2.2570	2.2510	2.2540	0.2662%	1.5875%	0.0355
15/12/2010	2.3590	2.3720	2.3590	2.3655	0.5496%	4.8283%	0.1115
16/12/2010	2.3460	2.3590	2.3590	2.3525	0.5526%	-0.5511%	-0.0130
17/12/2010	2.3780	2.3850	2.3850	2.3815	0.2939%	1.2252%	0.0290
20/12/2010	2.3780	2.3850	2.3850	2.3815	0.2939%	0.0000%	0.0000
21/12/2010	2.4100	2.4170	2.4170	2.4135	0.2900%	1.3347%	0.0320
22/12/2010	2.4360	2.4550	2.4360	2.4455	0.7769%	1.3172%	0.0320
23/12/2010	2.4480	2.4550	2.4550	2.4515	0.2855%	0.2450%	0.0060
24/12/2010	2.4360	2.4610	2.4610	2.4485	1.0210%	-0.1224%	-0.0030
27/12/2010	2.4290	2.4420	2.4420	2.4355	0.5338%	-0.5324%	-0.0130
28/12/2010	2.4230	2.4290	2.4290	2.4260	0.2473%	-0.3908%	-0.0095
29/12/2010	2.4230	2.4290	2.4230	2.4260	0.2473%	0.0000%	0.0000
30/12/2010	2.4230	2.4290	2.4290	2.4260	0.2473%	0.0000%	0.0000
31/12/2010	2.4360	2.4480	2.4480	2.4420	0.4914%	0.6574%	0.0160
03/01/2011	2.4740	2.4800	2.4800	2.4770	0.2422%	1.4231%	0.0350
04/01/2011	2.4360	2.4420	2.4420	2.4390	0.2460%	-1.5460%	-0.0380
05/01/2011	2.4610	2.4680	2.4680	2.4645	0.2840%	1.0401%	0.0255
06/01/2011	2.4420	2.4480	2.4420	2.4450	0.2454%	-0.7944%	-0.0195
07/01/2011	2.4040	2.4230	2.4230	2.4135	0.7872%	-1.2967%	-0.0315
10/01/2011	2.3590	2.3720	2.3590	2.3655	0.5496%	-2.0089%	-0.0480
11/01/2011	2.3660	2.3720	2.3660	2.3690	0.2533%	0.1479%	0.0035
12/01/2011	2.3530	2.3590	2.3590	2.3560	0.2547%	-0.5503%	-0.0130
13/01/2011	2.3530	2.3590	2.3530	2.3560	0.2547%	0.0000%	0.0000
14/01/2011	2.3020	2.3080	2.3080	2.3050	0.2603%	-2.1885%	-0.0510
17/01/2011	2.3340	2.3460	2.3460	2.3400	0.5128%	1.5070%	0.0350
18/01/2011	2.3660	2.3720	2.3720	2.3690	0.2533%	1.2317%	0.0290
19/01/2011	2.3590	2.3660	2.3660	2.3625	0.2963%	-0.2748%	-0.0065
20/01/2011	2.3270	2.3340	2.3340	2.3305	0.3004%	-1.3638%	-0.0320
21/01/2011	2.3210	2.3270	2.3210	2.3240	0.2582%	-0.2793%	-0.0065
24/01/2011	2.3590	2.3910	2.3780	2.3750	1.3474%	2.1708%	0.0510
25/01/2011	2.4290	2.4360	2.4290	2.4325	0.2878%	2.3922%	0.0575
26/01/2011	2.4480	2.4550	2.4550	2.4515	0.2855%	0.7781%	0.0190
27/01/2011	2.5120	2.5380	2.5380	2.5250	1.0297%	2.9541%	0.0735
28/01/2011	2.5120	2.5190	2.5120	2.5155	0.2783%	-0.3769%	-0.0095
31/01/2011	2.5190	2.5250	2.5190	2.5220	0.2379%	0.2581%	0.0065
01/02/2011	2.5700	2.5820	2.5820	2.5760	0.4658%	2.1186%	0.0540
02/02/2011	2.5890	2.5950	2.5890	2.5920	0.2315%	0.6192%	0.0160
03/02/2011	2.6210	2.6460	2.6460	2.6335	0.9493%	1.5884%	0.0415
04/02/2011	2.6460	2.6650	2.6460	2.6555	0.7155%	0.8319%	0.0220
07/02/2011	2.6590	2.6650	2.6590	2.6620	0.2254%	0.2445%	0.0065
08/02/2011	2.6330	2.6460	2.6330	2.6395	0.4925%	-0.8488%	-0.0225
09/02/2011	2.5700	2.5760	2.5760	2.5730	0.2332%	-2.5517%	-0.0665
10/02/2011	2.6010	2.6080	2.6140	2.6045	0.2688%	1.2168%	0.0315
11/02/2011	2.5890	2.5950	2.5950	2.5920	0.2315%	-0.4811%	-0.0125
14/02/2011	2.6330	2.6460	2.6460	2.6395	0.4925%	1.8160%	0.0475

15/02/2011	2.6270	2.6400	2.6400	2.6335	0.4936%	-0.2276%	-0.0060
16/02/2011	2.6080	2.6140	2.6140	2.6110	0.2298%	-0.8580%	-0.0225
17/02/2011	2.5890	2.6010	2.6080	2.5950	0.4624%	-0.6147%	-0.0160
18/02/2011	2.6460	2.6520	2.6460	2.6490	0.2265%	2.0596%	0.0540
21/02/2011	2.6330	2.6400	2.6400	2.6365	0.2655%	-0.4730%	-0.0125
22/02/2011	2.6010	2.6080	2.6010	2.6045	0.2688%	-1.2212%	-0.0320
23/02/2011	2.6330	2.6400	2.6400	2.6365	0.2655%	1.2212%	0.0320
24/02/2011	2.6400	2.6460	2.6460	2.6430	0.2270%	0.2462%	0.0065
25/02/2011	2.6140	2.6460	2.6460	2.6300	1.2167%	-0.4931%	-0.0130
28/02/2011	2.6400	2.6460	2.6400	2.6430	0.2270%	0.4931%	0.0130
01/03/2011	2.6210	2.6330	2.6270	2.6270	0.4568%	-0.6072%	-0.0160
02/03/2011	2.6270	2.6330	2.6270	2.6300	0.2281%	0.1141%	0.0030
03/03/2011	2.6140	2.6400	2.6270	2.6270	0.9897%	-0.1141%	-0.0030
04/03/2011	2.6330	2.6400	2.6330	2.6365	0.2655%	0.3610%	0.0095
07/03/2011	2.6080	2.6140	2.6140	2.6110	0.2298%	-0.9719%	-0.0255
08/03/2011	2.5890	2.5950	2.5950	2.5920	0.2315%	-0.7304%	-0.0190
09/03/2011	2.5380	2.5440	2.5440	2.5410	0.2361%	-1.9872%	-0.0510
10/03/2011	2.4800	2.4930	2.4930	2.4865	0.5228%	-2.1682%	-0.0545
11/03/2011	2.4800	2.4870	2.4870	2.4835	0.2819%	-0.1207%	-0.0030
14/03/2011	2.4290	2.4360	2.4360	2.4325	0.2878%	-2.0749%	-0.0510
15/03/2011	2.3780	2.3910	2.3910	2.3845	0.5452%	-1.9930%	-0.0480
16/03/2011	2.3530	2.3590	2.3590	2.3560	0.2547%	-1.2024%	-0.0285
17/03/2011	2.3340	2.3400	2.3340	2.3370	0.2567%	-0.8097%	-0.0190
18/03/2011	2.3020	2.3150	2.3020	2.3085	0.5631%	-1.2270%	-0.0285
21/03/2011	2.4170	2.4230	2.4230	2.4200	0.2479%	4.7170%	0.1115
22/03/2011	2.5190	2.5310	2.5310	2.5250	0.4752%	4.2474%	0.1050
23/03/2011	2.4990	2.5060	2.5060	2.5025	0.2797%	-0.8951%	-0.0225
24/03/2011	2.5440	2.5500	2.5500	2.5470	0.2356%	1.7626%	0.0445
25/03/2011	2.5060	2.5250	2.5190	2.5155	0.7553%	-1.2445%	-0.0315
28/03/2011	2.3910	2.4040	2.3910	2.3975	0.5422%	-4.8045%	-0.1180
29/03/2011	2.4610	2.4800	2.4610	2.4705	0.7691%	2.9994%	0.0730
30/03/2011	2.5190	2.5380	2.5380	2.5285	0.7514%	2.3206%	0.0580
31/03/2011	2.5190	2.5380	2.5190	2.5285	0.7514%	0.0000%	0.0000
01/04/2011	2.4800	2.4870	2.4870	2.4835	0.2819%	-1.7957%	-0.0450
04/04/2011	2.4290	2.4420	2.4290	2.4355	0.5338%	-1.9517%	-0.0480
05/04/2011	2.4870	2.5190	2.5190	2.5030	1.2785%	2.7338%	0.0675
06/04/2011	2.5190	2.5310	2.5310	2.5250	0.4752%	0.8751%	0.0220
07/04/2011	2.4680	2.4870	2.4680	2.4775	0.7669%	-1.8991%	-0.0475
08/04/2011	2.4930	2.4990	2.4990	2.4960	0.2404%	0.7439%	0.0185
11/04/2011	2.3850	2.3970	2.3970	2.3910	0.5019%	-4.2978%	-0.1050
12/04/2011	2.2890	2.2950	2.2950	2.2920	0.2618%	-4.2287%	-0.0990
13/04/2011	2.0590	2.0720	2.0590	2.0655	0.6294%	-10.4052%	-0.2265
14/04/2011	2.0210	2.0340	2.0340	2.0275	0.6412%	-1.8569%	-0.0380
15/04/2011	2.1040	2.1170	2.1170	2.1105	0.6160%	4.0121%	0.0830
18/04/2011	2.0020	2.0080	2.0080	2.0050	0.2993%	-5.1281%	-0.1055
19/04/2011	2.0750	2.0890	2.0890	2.0820	0.6724%	3.7685%	0.0770

20/04/2011	2.0380	2.0530	2.0240	2.0455	0.7333%	-1.7687%	-0.0365
25/04/2011	1.9220	1.9360	1.9290	1.9290	0.7258%	-5.8641%	-0.1165
26/04/2011	1.8780	1.8930	1.8780	1.8855	0.7955%	-2.2809%	-0.0435
27/04/2011	1.9140	1.9290	1.9290	1.9215	0.7806%	1.8913%	0.0360
28/04/2011	2.1330	2.1470	2.1470	2.1400	0.6542%	10.7700%	0.2185
29/04/2011	2.2350	2.2570	2.2570	2.2460	0.9795%	4.8345%	0.1060
02/05/2011	2.2130	2.2200	2.2130	2.2165	0.3158%	-1.3221%	-0.0295
03/05/2011	2.1840	2.1910	2.1910	2.1875	0.3200%	-1.3170%	-0.0290
04/05/2011	2.3220	2.3290	2.3220	2.3255	0.3010%	6.1176%	0.1380
05/05/2011	2.2860	2.2930	2.2930	2.2895	0.3057%	-1.5602%	-0.0360
06/05/2011	2.4390	2.4530	2.4390	2.4460	0.5724%	6.6121%	0.1565
09/05/2011	2.3800	2.4020	2.4090	2.3910	0.9201%	-2.2742%	-0.0550
10/05/2011	2.3150	2.3220	2.3150	2.3185	0.3019%	-3.0791%	-0.0725
11/05/2011	2.3290	2.3660	2.3290	2.3475	1.5761%	1.2431%	0.0290
12/05/2011	2.4970	2.5040	2.4970	2.5005	0.2799%	6.3140%	0.1530
13/05/2011	2.5190	2.5260	2.5190	2.5225	0.2775%	0.8760%	0.0220
16/05/2011	2.4970	2.5040	2.4970	2.5005	0.2799%	-0.8760%	-0.0220
17/05/2011	2.4600	2.4750	2.4750	2.4675	0.6079%	-1.3285%	-0.0330
18/05/2011	2.4750	2.4820	2.4750	2.4785	0.2824%	0.4448%	0.0110
19/05/2011	2.4460	2.4680	2.4460	2.4570	0.8954%	-0.8712%	-0.0215
20/05/2011	2.4310	2.4390	2.4390	2.4350	0.3285%	-0.8994%	-0.0220
23/05/2011	2.3660	2.3730	2.3730	2.3695	0.2954%	-2.7268%	-0.0655
24/05/2011	2.4310	2.4460	2.4460	2.4385	0.6151%	2.8704%	0.0690
25/05/2011	2.4680	2.4750	2.4680	2.4715	0.2832%	1.3442%	0.0330
26/05/2011	2.5770	2.5840	2.5770	2.5805	0.2713%	4.3158%	0.1090
27/05/2011	2.4820	2.4890	2.4890	2.4855	0.2816%	-3.7509%	-0.0950
30/05/2011	2.2930	2.3080	2.3080	2.3005	0.6520%	-7.7347%	-0.1850
31/05/2011	2.3290	2.5110	2.3510	2.4200	7.5207%	5.0641%	0.1195
01/06/2011	2.0380	2.2420	2.1690	2.1400	9.5327%	-12.2962%	-0.2800
02/06/2011	2.0380	2.3660	2.3440	2.2020	14.8955%	2.8560%	0.0620
03/06/2011	2.2710	2.2780	2.2710	2.2745	0.3078%	3.2394%	0.0725
06/06/2011	1.9290	2.1110	1.9290	2.0200	9.0099%	-11.8663%	-0.2545
07/06/2011	2.0820	2.1760	2.0960	2.1290	4.4152%	5.2555%	0.1090
08/06/2011	2.0020	2.4020	2.2130	2.2020	18.1653%	3.3714%	0.0730
09/06/2011	2.1470	2.4020	2.2060	2.2745	11.2113%	3.2394%	0.0725
10/06/2011	1.9140	2.4020	2.1620	2.1580	22.6135%	-5.2578%	-0.1165
13/06/2011	2.1470	2.3660	2.1840	2.2565	9.7053%	4.4633%	0.0985
14/06/2011	2.1330	2.2570	2.1550	2.1950	5.6492%	-2.7633%	-0.0615
15/06/2011	2.0960	2.2570	2.1330	2.1765	7.3972%	-0.8464%	-0.0185
16/06/2011	2.0380	2.2570	2.0670	2.1475	10.1979%	-1.3414%	-0.0290
17/06/2011	2.0380	2.2570	2.1040	2.1475	10.1979%	0.0000%	0.0000
20/06/2011	2.0380	2.2570	2.0750	2.1475	10.1979%	0.0000%	0.0000
21/06/2011	1.9140	2.2570	2.0090	2.0855	16.4469%	-2.9296%	-0.0620
22/06/2011	2.0090	2.2570	2.0310	2.1330	11.6268%	2.2521%	0.0475
23/06/2011	2.0380	2.0750	2.0750	2.0565	1.7992%	-3.6524%	-0.0765
24/06/2011	2.0380	2.0750	2.0380	2.0565	1.7992%	0.0000%	0.0000

27/06/2011	2.0600	2.0670	2.0670	2.0635	0.3392%	0.3398%	0.0070
28/06/2011	2.0020	2.0240	2.0020	2.0130	1.0929%	-2.4777%	-0.0505
30/06/2011	2.0160	2.0240	2.0160	2.0200	0.3960%	0.3471%	0.0070
01/07/2011	2.0750	2.0820	2.0750	2.0785	0.3368%	2.8549%	0.0585
04/07/2011	2.0670	2.0750	2.0750	2.0710	0.3863%	-0.3615%	-0.0075
05/07/2011	2.0670	2.0750	2.0670	2.0710	0.3863%	0.0000%	0.0000
06/07/2011	2.0670	2.1550	2.0820	2.1110	4.1686%	1.9130%	0.0400
07/07/2011	2.1400	2.1470	2.1400	2.1435	0.3266%	1.5278%	0.0325
08/07/2011	2.1180	2.1260	2.1180	2.1220	0.3770%	-1.0081%	-0.0215
11/07/2011	2.0670	2.1110	2.0750	2.0890	2.1063%	-1.5674%	-0.0330
12/07/2011	2.0600	2.0750	2.0750	2.0675	0.7255%	-1.0345%	-0.0215
13/07/2011	2.1470	2.1550	2.1470	2.1510	0.3719%	3.9593%	0.0835
14/07/2011	2.1840	2.1910	2.1840	2.1875	0.3200%	1.6826%	0.0365
15/07/2011	2.2490	2.2570	2.2490	2.2530	0.3551%	2.9503%	0.0655
18/07/2011	2.3370	2.3660	2.3660	2.3515	1.2333%	4.2791%	0.0985
19/07/2011	2.4090	2.4170	2.4090	2.4130	0.3315%	2.5817%	0.0615
20/07/2011	2.3800	2.4020	2.4020	2.3910	0.9201%	-0.9159%	-0.0220
21/07/2011	2.3370	2.3510	2.3510	2.3440	0.5973%	-1.9853%	-0.0470
22/07/2011	2.3150	2.3220	2.3220	2.3185	0.3019%	-1.0938%	-0.0255
25/07/2011	2.3220	2.3290	2.3220	2.3255	0.3010%	0.3015%	0.0070
26/07/2011	2.3580	2.3660	2.3660	2.3620	0.3387%	1.5574%	0.0365
27/07/2011	2.3150	2.3440	2.3290	2.3295	1.2449%	-1.3855%	-0.0325
01/08/2011	2.3150	2.3290	2.3220	2.3220	0.6029%	-0.3225%	-0.0075
02/08/2011	2.2780	2.3000	2.3000	2.2890	0.9611%	-1.4314%	-0.0330
03/08/2011	2.2780	2.2930	2.2780	2.2855	0.6563%	-0.1530%	-0.0035
04/08/2011	2.1760	2.1910	2.1760	2.1835	0.6870%	-4.5656%	-0.1020
05/08/2011	2.1470	2.1620	2.1620	2.1545	0.6962%	-1.3370%	-0.0290
08/08/2011	1.9650	1.9800	1.9650	1.9725	0.7605%	-8.8257%	-0.1820
09/08/2011	2.0020	2.0090	2.0020	2.0055	0.3490%	1.6592%	0.0330
10/08/2011	1.9650	1.9950	1.9950	1.9800	1.5152%	-1.2797%	-0.0255
11/08/2011	2.0750	2.1110	2.0750	2.0930	1.7200%	5.5502%	0.1130
12/08/2011	2.1110	2.1180	2.1110	2.1145	0.3310%	1.0220%	0.0215
15/08/2011	2.1110	2.1180	2.1110	2.1145	0.3310%	0.0000%	0.0000
16/08/2011	2.0750	2.0820	2.0750	2.0785	0.3368%	-1.7172%	-0.0360
17/08/2011	2.1180	2.1260	2.1180	2.1220	0.3770%	2.0713%	0.0435
18/08/2011	2.0450	2.0600	2.0450	2.0525	0.7308%	-3.3300%	-0.0695
19/08/2011	2.0160	2.0530	2.0160	2.0345	1.8186%	-0.8808%	-0.0180
22/08/2011	2.0380	2.0450	2.0450	2.0415	0.3429%	0.3435%	0.0070
23/08/2011	2.0450	2.0530	2.0450	2.0490	0.3904%	0.3667%	0.0075
24/08/2011	2.0090	2.0380	2.0090	2.0235	1.4332%	-1.2523%	-0.0255
25/08/2011	2.0600	2.0670	2.0670	2.0635	0.3392%	1.9575%	0.0400
26/08/2011	2.1110	2.1330	2.1330	2.1220	1.0368%	2.7955%	0.0585
29/08/2011	2.1760	2.1840	2.1760	2.1800	0.3670%	2.6966%	0.0580
31/08/2011	2.2950	2.3100	2.2950	2.3025	0.6515%	5.4671%	0.1225
01/09/2011	2.2950	2.3030	2.3030	2.2990	0.3480%	-0.1521%	-0.0035
02/09/2011	2.2570	2.2720	2.2570	2.2645	0.6624%	-1.5120%	-0.0345

05/09/2011	2.1800	2.1880	2.1880	2.1840	0.3663%	-3.6196%	-0.0805
06/09/2011	2.1730	2.1800	2.1730	2.1765	0.3216%	-0.3440%	-0.0075
07/09/2011	2.2260	2.2340	2.2260	2.2300	0.3587%	2.4284%	0.0535
08/09/2011	2.2190	2.2260	2.2260	2.2225	0.3150%	-0.3369%	-0.0075
09/09/2011	2.1880	2.1960	2.1880	2.1920	0.3650%	-1.3818%	-0.0305
12/09/2011	2.1800	2.2030	2.1800	2.1915	1.0495%	-0.0228%	-0.0005
13/09/2011	2.1800	2.1880	2.1800	2.1840	0.3663%	-0.3428%	-0.0075
14/09/2011	2.1960	2.2030	2.1960	2.1995	0.3183%	0.7072%	0.0155
15/09/2011	2.2190	2.2260	2.2260	2.2225	0.3150%	1.0403%	0.0230
16/09/2011	2.2420	2.2570	2.2570	2.2495	0.6668%	1.2075%	0.0270
19/09/2011	2.1960	2.2030	2.2030	2.1995	0.3183%	-2.2478%	-0.0500
20/09/2011	2.2030	2.2340	2.2340	2.2185	1.3973%	0.8601%	0.0190
21/09/2011	2.1420	2.1730	2.1730	2.1575	1.4368%	-2.7881%	-0.0610
22/09/2011	2.0580	2.0890	2.0580	2.0735	1.4951%	-3.9712%	-0.0840
23/09/2011	2.0120	2.0200	2.0120	2.0160	0.3968%	-2.8123%	-0.0575
26/09/2011	2.0040	2.0120	2.0120	2.0080	0.3984%	-0.3976%	-0.0080
27/09/2011	2.0580	2.0810	2.0580	2.0695	1.1114%	3.0168%	0.0615
28/09/2011	1.9820	2.0040	1.9890	1.9930	1.1039%	-3.7666%	-0.0765
29/09/2011	1.9890	1.9970	1.9970	1.9930	0.4014%	0.0000%	0.0000
30/09/2011	1.9510	1.9660	1.9510	1.9585	0.7659%	-1.7462%	-0.0345
03/10/2011	1.8130	1.8590	1.8360	1.8360	2.5054%	-6.4590%	-0.1225
04/10/2011	1.7980	1.8130	1.7980	1.8055	0.8308%	-1.6752%	-0.0305
05/10/2011	1.8740	1.8820	1.8740	1.8780	0.4260%	3.9370%	0.0725
06/10/2011	1.9130	1.9200	1.9130	1.9165	0.3652%	2.0293%	0.0385
07/10/2011	1.8740	1.8900	1.8740	1.8820	0.8502%	-1.8166%	-0.0345
10/10/2011	1.9280	1.9360	1.9360	1.9320	0.4141%	2.6221%	0.0500
11/10/2011	1.9280	1.9360	1.9360	1.9320	0.4141%	0.0000%	0.0000
12/10/2011	1.9360	1.9510	1.9510	1.9435	0.7718%	0.5935%	0.0115
13/10/2011	1.9510	1.9890	1.9890	1.9700	1.9289%	1.3543%	0.0265
14/10/2011	1.9740	2.0040	1.9890	1.9890	1.5083%	0.9598%	0.0190
17/10/2011	1.9280	1.9510	1.9510	1.9395	1.1859%	-2.5202%	-0.0495
18/10/2011	1.9280	1.9890	1.9820	1.9585	3.1146%	0.9749%	0.0190
19/10/2011	1.9360	1.9430	1.9430	1.9395	0.3609%	-0.9749%	-0.0190
20/10/2011	1.9200	1.9280	1.9280	1.9240	0.4158%	-0.8024%	-0.0155
21/10/2011	1.9510	1.9590	1.9590	1.9550	0.4092%	1.5984%	0.0310
24/10/2011	2.0270	2.0350	2.0350	2.0310	0.3939%	3.8138%	0.0760
25/10/2011	1.9970	2.0040	1.9970	2.0005	0.3499%	-1.5131%	-0.0305
26/10/2011	1.9740	1.9820	1.9740	1.9780	0.4044%	-1.1311%	-0.0225
27/10/2011	2.0500	2.0730	2.0500	2.0615	1.1157%	4.1348%	0.0835
28/10/2011	2.0890	2.0960	2.0960	2.0925	0.3345%	1.4926%	0.0310
31/10/2011	2.0040	2.0270	2.0270	2.0155	1.1412%	-3.7492%	-0.0770
02/11/2011	2.0200	2.0500	2.0500	2.0350	1.4742%	0.9629%	0.0195
03/11/2011	2.0500	2.0580	2.0500	2.0540	0.3895%	0.9293%	0.0190
04/11/2011	2.0430	2.0500	2.0500	2.0465	0.3420%	-0.3658%	-0.0075
07/11/2011	2.0500	2.0580	2.0580	2.0540	0.3895%	0.3658%	0.0075
08/11/2011	2.0730	2.1040	2.0730	2.0885	1.4843%	1.6657%	0.0345

09/11/2011	2.0270	2.0500	2.0500	2.0385	1.1283%	-2.4232%	-0.0500
10/11/2011	2.0580	2.0660	2.0580	2.0620	0.3880%	1.1462%	0.0235
11/11/2011	2.1040	2.1120	2.1120	2.1080	0.3795%	2.2063%	0.0460
14/11/2011	2.0730	2.0890	2.0890	2.0810	0.7689%	-1.2891%	-0.0270
15/11/2011	2.0890	2.0960	2.0960	2.0925	0.3345%	0.5511%	0.0115
16/11/2011	2.2800	2.2880	2.2880	2.2840	0.3503%	8.7569%	0.1915
17/11/2011	2.2880	2.2950	2.2950	2.2915	0.3055%	0.3278%	0.0075
18/11/2011	2.2650	2.2720	2.2720	2.2685	0.3086%	-1.0088%	-0.0230
21/11/2011	2.2190	2.2420	2.2260	2.2305	1.0312%	-1.6893%	-0.0380
22/11/2011	2.2720	2.2800	2.2720	2.2760	0.3515%	2.0194%	0.0455
23/11/2011	2.2420	2.2720	2.2720	2.2570	1.3292%	-0.8383%	-0.0190
24/11/2011	2.2420	2.2570	2.2570	2.2495	0.6668%	-0.3329%	-0.0075
25/11/2011	2.2720	2.2880	2.2720	2.2800	0.7018%	1.3467%	0.0305
28/11/2011	2.3260	2.3330	2.3330	2.3295	0.3005%	2.1478%	0.0495
29/11/2011	2.3490	2.3560	2.3560	2.3525	0.2976%	0.9825%	0.0230
30/11/2011	2.4560	2.4790	2.4790	2.4675	0.9321%	4.7727%	0.1150
01/12/2011	2.3720	2.3870	2.3870	2.3795	0.6304%	-3.6315%	-0.0880
02/12/2011	2.3870	2.4100	2.4100	2.3985	0.9589%	0.7953%	0.0190
05/12/2011	2.3720	2.3870	2.3720	2.3795	0.6304%	-0.7953%	-0.0190
06/12/2011	2.3100	2.3330	2.3330	2.3215	0.9907%	-2.4677%	-0.0580
07/12/2011	2.3260	2.3330	2.3330	2.3295	0.3005%	0.3440%	0.0080
09/12/2011	2.3260	2.3330	2.3330	2.3295	0.3005%	0.0000%	0.0000
12/12/2011	2.3030	2.3180	2.3180	2.3105	0.6492%	-0.8190%	-0.0190
13/12/2011	2.2880	2.3180	2.3100	2.3030	1.3026%	-0.3251%	-0.0075
14/12/2011	2.2340	2.2490	2.2490	2.2415	0.6692%	-2.7067%	-0.0615
15/12/2011	2.2420	2.2490	2.2490	2.2455	0.3117%	0.1783%	0.0040
16/12/2011	2.2570	2.2720	2.2720	2.2645	0.6624%	0.8426%	0.0190
19/12/2011	2.2570	2.2720	2.2720	2.2645	0.6624%	0.0000%	0.0000
20/12/2011	2.2950	2.3030	2.3030	2.2990	0.3480%	1.5120%	0.0345
21/12/2011	2.2880	2.2950	2.2880	2.2915	0.3055%	-0.3268%	-0.0075
22/12/2011	2.2720	2.2950	2.2950	2.2835	1.0072%	-0.3497%	-0.0080
23/12/2011	2.2570	2.2800	2.2800	2.2685	1.0139%	-0.6591%	-0.0150
26/12/2011	2.2800	2.2950	2.2950	2.2875	0.6557%	0.8341%	0.0190
27/12/2011	2.2800	2.2950	2.2950	2.2875	0.6557%	0.0000%	0.0000
28/12/2011	2.2720	2.2800	2.2800	2.2760	0.3515%	-0.5040%	-0.0115
29/12/2011	2.2650	2.2720	2.2720	2.2685	0.3086%	-0.3301%	-0.0075
30/12/2011	2.2570	2.2880	2.2880	2.2725	1.3641%	0.1762%	0.0040
02/01/2012	2.2880	2.2950	2.2950	2.2915	0.3055%	0.8326%	0.0190
03/01/2012	2.3720	2.3950	2.3950	2.3835	0.9650%	3.9363%	0.0920
04/01/2012	2.3720	2.3950	2.3870	2.3835	0.9650%	0.0000%	0.0000
05/01/2012	2.3640	2.3870	2.3870	2.3755	0.9682%	-0.3362%	-0.0080
06/01/2012	2.3790	2.3950	2.3950	2.3870	0.6703%	0.4829%	0.0115
09/01/2012	2.3870	2.4020	2.4020	2.3945	0.6264%	0.3137%	0.0075
10/01/2012	2.4100	2.4250	2.4250	2.4175	0.6205%	0.9560%	0.0230
11/01/2012	2.4020	2.4100	2.4100	2.4060	0.3325%	-0.4768%	-0.0115
12/01/2012	2.4180	2.4330	2.4250	2.4255	0.6184%	0.8072%	0.0195

13/01/2012	2.4100	2.4330	2.4330	2.4215	0.9498%	-0.1651%	-0.0040
16/01/2012	2.4180	2.4330	2.4180	2.4255	0.6184%	0.1651%	0.0040
17/01/2012	2.4410	2.4560	2.4560	2.4485	0.6126%	0.9438%	0.0230
18/01/2012	2.4560	2.4710	2.4710	2.4635	0.6089%	0.6108%	0.0150
19/01/2012	2.5250	2.5320	2.5320	2.5285	0.2768%	2.6043%	0.0650
20/01/2012	2.5020	2.5480	2.5480	2.5250	1.8218%	-0.1385%	-0.0035
23/01/2012	2.5630	2.5710	2.5710	2.5670	0.3116%	1.6497%	0.0420
24/01/2012	2.6320	2.6390	2.6390	2.6355	0.2656%	2.6335%	0.0685
25/01/2012	2.6090	2.6170	2.6170	2.6130	0.3062%	-0.8574%	-0.0225
26/01/2012	2.6550	2.6700	2.6700	2.6625	0.5634%	1.8767%	0.0495
27/01/2012	2.6470	2.6620	2.6620	2.6545	0.5651%	-0.3009%	-0.0080
30/01/2012	2.6620	2.6780	2.6780	2.6700	0.5993%	0.5822%	0.0155
31/01/2012	2.6700	2.6780	2.6780	2.6740	0.2992%	0.1497%	0.0040
01/02/2012	2.6930	2.7010	2.6930	2.6970	0.2966%	0.8565%	0.0230
02/02/2012	2.7080	2.7390	2.7390	2.7235	1.1382%	0.9778%	0.0265
03/02/2012	2.7160	2.7540	2.7540	2.7350	1.3894%	0.4214%	0.0115
06/02/2012	2.7240	2.7390	2.7390	2.7315	0.5491%	-0.1281%	-0.0035
07/02/2012	2.6930	2.7010	2.7010	2.6970	0.2966%	-1.2711%	-0.0345
08/02/2012	2.6470	2.6550	2.6550	2.6510	0.3018%	-1.7203%	-0.0460
09/02/2012	2.6170	2.6320	2.6320	2.6245	0.5715%	-1.0047%	-0.0265
10/02/2012	2.6170	2.6240	2.6170	2.6205	0.2671%	-0.1525%	-0.0040
13/02/2012	2.6320	2.6390	2.6390	2.6355	0.2656%	0.5708%	0.0150
14/02/2012	2.6170	2.6700	2.6700	2.6435	2.0049%	0.3031%	0.0080
15/02/2012	2.6010	2.6320	2.6320	2.6165	1.1848%	-1.0266%	-0.0270
16/02/2012	2.6090	2.6240	2.6240	2.6165	0.5733%	0.0000%	0.0000
17/02/2012	2.6470	2.6700	2.6700	2.6585	0.8651%	1.5925%	0.0420
20/02/2012	2.6780	2.6930	2.6780	2.6855	0.5586%	1.0105%	0.0270
21/02/2012	2.7010	2.7160	2.7160	2.7085	0.5538%	0.8528%	0.0230
22/02/2012	2.7010	2.7080	2.7080	2.7045	0.2588%	-0.1478%	-0.0040
23/02/2012	2.6700	2.7010	2.6780	2.6855	1.1543%	-0.7050%	-0.0190
24/02/2012	2.6620	2.6780	2.6780	2.6700	0.5993%	-0.5788%	-0.0155
27/02/2012	2.6390	2.6780	2.6390	2.6585	1.4670%	-0.4316%	-0.0115
28/02/2012	2.6620	2.6700	2.6930	2.6660	0.3001%	0.2817%	0.0075
29/02/2012	2.6930	2.7160	2.7160	2.7045	0.8504%	1.4338%	0.0385
01/03/2012	2.7470	2.7620	2.7620	2.7545	0.5446%	1.8319%	0.0500
02/03/2012	2.8080	2.8150	2.8080	2.8115	0.2490%	2.0482%	0.0570
05/03/2012	2.7390	2.7620	2.7620	2.7505	0.8362%	-2.1935%	-0.0610
06/03/2012	2.7080	2.7160	2.7080	2.7120	0.2950%	-1.4096%	-0.0385
07/03/2012	2.7390	2.7700	2.7390	2.7545	1.1254%	1.5550%	0.0425
08/03/2012	2.7850	2.7920	2.7920	2.7885	0.2510%	1.2268%	0.0340
09/03/2012	2.7920	2.8080	2.8000	2.8000	0.5714%	0.4116%	0.0115
12/03/2012	2.7540	2.7620	2.7620	2.7580	0.2901%	-1.5114%	-0.0420
13/03/2012	2.7620	2.7770	2.7770	2.7695	0.5416%	0.4161%	0.0115
14/03/2012	2.7470	2.7540	2.7540	2.7505	0.2545%	-0.6884%	-0.0190
15/03/2012	2.7240	2.7390	2.7390	2.7315	0.5491%	-0.6932%	-0.0190
16/03/2012	2.6780	2.7240	2.6780	2.7010	1.7031%	-1.1229%	-0.0305

19/03/2012	2.7080	2.7160	2.7080	2.7120	0.2950%	0.4064%	0.0110
20/03/2012	2.6930	2.7160	2.6930	2.7045	0.8504%	-0.2769%	-0.0075
21/03/2012	2.7080	2.7160	2.7160	2.7120	0.2950%	0.2769%	0.0075
22/03/2012	2.7010	2.7080	2.7080	2.7045	0.2588%	-0.2769%	-0.0075
23/03/2012	2.7390	2.7470	2.7470	2.7430	0.2917%	1.4135%	0.0385
26/03/2012	2.7850	2.7920	2.7850	2.7885	0.2510%	1.6452%	0.0455
27/03/2012	2.8150	2.8230	2.8230	2.8190	0.2838%	1.0878%	0.0305
28/03/2012	2.8000	2.8230	2.8230	2.8115	0.8181%	-0.2664%	-0.0075
29/03/2012	2.7920	2.8150	2.8150	2.8035	0.8204%	-0.2850%	-0.0080
30/03/2012	2.8150	2.8310	2.8310	2.8230	0.5668%	0.6932%	0.0195
02/04/2012	2.8540	2.8610	2.8610	2.8575	0.2450%	1.2147%	0.0345
03/04/2012	2.8150	2.8310	2.8310	2.8230	0.5668%	-1.2147%	-0.0345
04/04/2012	2.7310	2.7920	2.7310	2.7615	2.2089%	-2.2026%	-0.0615
09/04/2012	2.6930	2.7080	2.7080	2.7005	0.5555%	-2.2337%	-0.0610
10/04/2012	2.6470	2.6620	2.6550	2.6545	0.5651%	-1.7181%	-0.0460
11/04/2012	2.6620	2.6700	2.6620	2.6660	0.3001%	0.4323%	0.0115
12/04/2012	2.6930	2.7010	2.7010	2.6970	0.2966%	1.1561%	0.0310
13/04/2012	2.6850	2.7010	2.6930	2.6930	0.5941%	-0.1484%	-0.0040
16/04/2012	2.6850	2.6930	2.6930	2.6890	0.2975%	-0.1486%	-0.0040
17/04/2012	2.6850	2.7010	2.6850	2.6930	0.5941%	0.1486%	0.0040
18/04/2012	2.6700	2.6780	2.6700	2.6740	0.2992%	-0.7080%	-0.0190
19/04/2012	2.6700	2.6780	2.6780	2.6740	0.2992%	0.0000%	0.0000
20/04/2012	2.6850	2.6930	2.6930	2.6890	0.2975%	0.5594%	0.0150
23/04/2012	2.6620	2.6780	2.6780	2.6700	0.5993%	-0.7091%	-0.0190
24/04/2012	2.6550	2.6780	2.6780	2.6665	0.8626%	-0.1312%	-0.0035
25/04/2012	2.6610	2.6690	2.6610	2.6650	0.3002%	-0.0563%	-0.0015
26/04/2012	2.6270	2.6520	2.6520	2.6395	0.9471%	-0.9615%	-0.0255
27/04/2012	2.6520	2.6610	2.6520	2.6565	0.3388%	0.6420%	0.0170
30/04/2012	2.6440	2.6520	2.6520	2.6480	0.3021%	-0.3205%	-0.0085
02/05/2012	2.6100	2.6190	2.6100	2.6145	0.3442%	-1.2732%	-0.0335
03/05/2012	2.5690	2.5770	2.5690	2.5730	0.3109%	-1.6000%	-0.0415
04/05/2012	2.6100	2.6690	2.6690	2.6395	2.2353%	2.5517%	0.0665
07/05/2012	2.6020	2.6270	2.6270	2.6145	0.9562%	-0.9517%	-0.0250
08/05/2012	2.5520	2.5600	2.5520	2.5560	0.3130%	-2.2629%	-0.0585
09/05/2012	2.5600	2.5850	2.5850	2.5725	0.9718%	0.6435%	0.0165
10/05/2012	2.5850	2.6100	2.6100	2.5975	0.9625%	0.9671%	0.0250
11/05/2012	2.5270	2.5440	2.5270	2.5355	0.6705%	-2.4159%	-0.0620
14/05/2012	2.4850	2.4940	2.4940	2.4895	0.3615%	-1.8309%	-0.0460
15/05/2012	2.4440	2.4520	2.4520	2.4480	0.3268%	-1.6811%	-0.0415
16/05/2012	2.5440	2.5600	2.5600	2.5520	0.6270%	4.1606%	0.1040
17/05/2012	2.5350	2.5440	2.5440	2.5395	0.3544%	-0.4910%	-0.0125
18/05/2012	2.5020	2.5350	2.5350	2.5185	1.3103%	-0.8304%	-0.0210
21/05/2012	2.5350	2.5440	2.5440	2.5395	0.3544%	0.8304%	0.0210
22/05/2012	2.4850	2.5020	2.4850	2.4935	0.6818%	-1.8280%	-0.0460
23/05/2012	2.4690	2.5020	2.4770	2.4855	1.3277%	-0.3213%	-0.0080
24/05/2012	2.4600	2.4770	2.4770	2.4685	0.6887%	-0.6863%	-0.0170

25/05/2012	2.4600	2.4690	2.4690	2.4645	0.3652%	-0.1622%	-0.0040
28/05/2012	2.4770	2.4850	2.4770	2.4810	0.3225%	0.6673%	0.0165
29/05/2012	2.5440	2.5600	2.5440	2.5520	0.6270%	2.8216%	0.0710
30/05/2012	2.5350	2.5440	2.5440	2.5395	0.3544%	-0.4910%	-0.0125
31/05/2012	2.5600	2.5690	2.5690	2.5645	0.3509%	0.9796%	0.0250
01/06/2012	2.4850	2.4940	2.4940	2.4895	0.3615%	-2.9682%	-0.0750
04/06/2012	2.4690	2.4770	2.4690	2.4730	0.3235%	-0.6650%	-0.0165
05/06/2012	2.4440	2.4520	2.4520	2.4480	0.3268%	-1.0161%	-0.0250
06/06/2012	2.4850	2.5100	2.4850	2.4975	1.0010%	2.0019%	0.0495
07/06/2012	2.5020	2.5270	2.5020	2.5145	0.9942%	0.6784%	0.0170
08/06/2012	2.5100	2.5190	2.5190	2.5145	0.3579%	0.0000%	0.0000
11/06/2012	2.4850	2.5020	2.5020	2.4935	0.6818%	-0.8387%	-0.0210
12/06/2012	2.4940	2.5100	2.4940	2.5020	0.6395%	0.3403%	0.0085
13/06/2012	2.4600	2.4850	2.4850	2.4725	1.0111%	-1.1861%	-0.0295
14/06/2012	2.4940	2.5020	2.5020	2.4980	0.3203%	1.0261%	0.0255
15/06/2012	2.4520	2.5100	2.4520	2.4810	2.3378%	-0.6829%	-0.0170
18/06/2012	2.5020	2.5190	2.5190	2.5105	0.6772%	1.1820%	0.0295
19/06/2012	2.5020	2.5270	2.5190	2.5145	0.9942%	0.1592%	0.0040
20/06/2012	2.5100	2.5350	2.5350	2.5225	0.9911%	0.3176%	0.0080
21/06/2012	2.4940	2.5350	2.5020	2.5145	1.6305%	-0.3176%	-0.0080
22/06/2012	2.4850	2.5020	2.5020	2.4935	0.6818%	-0.8387%	-0.0210
25/06/2012	2.4940	2.5020	2.5020	2.4980	0.3203%	0.1803%	0.0045
26/06/2012	2.5100	2.5190	2.5100	2.5145	0.3579%	0.6584%	0.0165
27/06/2012	2.5020	2.5100	2.5100	2.5060	0.3192%	-0.3386%	-0.0085
28/06/2012	2.4850	2.5100	2.5020	2.4975	1.0010%	-0.3398%	-0.0085
02/07/2012	2.5600	2.5690	2.5690	2.5645	0.3509%	2.6473%	0.0670
03/07/2012	2.5440	2.5690	2.5690	2.5565	0.9779%	-0.3124%	-0.0080
04/07/2012	2.5440	2.5520	2.5520	2.5480	0.3140%	-0.3330%	-0.0085
05/07/2012	2.5270	2.5440	2.5440	2.5355	0.6705%	-0.4918%	-0.0125
06/07/2012	2.5350	2.5600	2.5600	2.5475	0.9814%	0.4722%	0.0120
09/07/2012	2.5270	2.5520	2.5270	2.5395	0.9844%	-0.3145%	-0.0080
10/07/2012	2.4850	2.5020	2.5020	2.4935	0.6818%	-1.8280%	-0.0460
11/07/2012	2.4940	2.5020	2.4850	2.4980	0.3203%	0.1803%	0.0045
12/07/2012	2.4600	2.4770	2.4600	2.4685	0.6887%	-1.1880%	-0.0295
13/07/2012	2.4850	2.5020	2.5020	2.4935	0.6818%	1.0077%	0.0250
16/07/2012	2.4940	2.5020	2.5020	2.4980	0.3203%	0.1803%	0.0045
17/07/2012	2.4940	2.5020	2.4940	2.4980	0.3203%	0.0000%	0.0000
18/07/2012	2.4850	2.5100	2.5100	2.4975	1.0010%	-0.0200%	-0.0005
19/07/2012	2.4850	2.5350	2.5350	2.5100	1.9920%	0.4993%	0.0125
20/07/2012	2.4770	2.4850	2.4850	2.4810	0.3225%	-1.1621%	-0.0290
23/07/2012	2.4520	2.4690	2.4600	2.4605	0.6909%	-0.8297%	-0.0205
24/07/2012	2.4020	2.4190	2.4190	2.4105	0.7052%	-2.0530%	-0.0500
25/07/2012	2.4270	2.4940	2.4270	2.4605	2.7230%	2.0530%	0.0500
26/07/2012	2.3850	2.4100	2.3850	2.3975	1.0428%	-2.5938%	-0.0630
27/07/2012	2.4350	2.4600	2.4350	2.4475	1.0215%	2.0641%	0.0500
30/07/2012	2.4190	2.4690	2.4190	2.4440	2.0458%	-0.1431%	-0.0035

31/07/2012	2.4020	2.4190	2.4190	2.4105	0.7052%	-1.3802%	-0.0335
01/08/2012	2.3520	2.3850	2.3850	2.3685	1.3933%	-1.7577%	-0.0420
02/08/2012	2.3690	2.3850	2.3690	2.3770	0.6731%	0.3582%	0.0085
03/08/2012	2.3850	2.4020	2.4020	2.3935	0.7103%	0.6918%	0.0165
06/08/2012	2.3690	2.3850	2.3850	2.3770	0.6731%	-0.6918%	-0.0165
07/08/2012	2.3600	2.3690	2.3690	2.3645	0.3806%	-0.5273%	-0.0125
08/08/2012	2.3440	2.3600	2.3440	2.3520	0.6803%	-0.5301%	-0.0125
09/08/2012	2.3440	2.3600	2.3600	2.3520	0.6803%	0.0000%	0.0000
10/08/2012	2.3600	2.3690	2.3600	2.3645	0.3806%	0.5301%	0.0125
13/08/2012	2.3440	2.3600	2.3600	2.3520	0.6803%	-0.5301%	-0.0125
14/08/2012	2.3440	2.3600	2.3600	2.3520	0.6803%	0.0000%	0.0000
15/08/2012	2.3520	2.3600	2.3600	2.3560	0.3396%	0.1699%	0.0040
16/08/2012	2.3690	2.3770	2.3770	2.3730	0.3371%	0.7190%	0.0170
20/08/2012	2.3520	2.3600	2.3600	2.3560	0.3396%	-0.7190%	-0.0170
21/08/2012	2.3520	2.3600	2.3600	2.3560	0.3396%	0.0000%	0.0000
22/08/2012	2.0850	2.3270	2.3270	2.2060	10.9701%	-6.5784%	-0.1500
23/08/2012	2.3100	2.3190	2.3190	2.3145	0.3889%	4.8013%	0.1085
24/08/2012	2.3190	2.3270	2.3190	2.3230	0.3444%	0.3666%	0.0085
27/08/2012	2.2940	2.3100	2.3100	2.3020	0.6950%	-0.9081%	-0.0210
28/08/2012	2.2690	2.3190	2.2690	2.2940	2.1796%	-0.3481%	-0.0080
29/08/2012	2.2850	2.2940	2.2940	2.2895	0.3931%	-0.1964%	-0.0045
31/08/2012	2.3100	2.3190	2.3190	2.3145	0.3889%	1.0860%	0.0250
03/09/2012	2.2770	2.3020	2.2940	2.2895	1.0919%	-1.0860%	-0.0250
04/09/2012	2.2600	2.2850	2.2600	2.2725	1.1001%	-0.7453%	-0.0170
05/09/2012	2.2690	2.2940	2.2940	2.2815	1.0958%	0.3953%	0.0090
06/09/2012	2.2940	2.3100	2.3100	2.3020	0.6950%	0.8945%	0.0205
07/09/2012	2.3520	2.3850	2.3520	2.3685	1.3933%	2.8479%	0.0665
10/09/2012	2.3600	2.3850	2.3770	2.3725	1.0537%	0.1687%	0.0040
11/09/2012	2.4100	2.4190	2.4100	2.4145	0.3727%	1.7548%	0.0420
12/09/2012	2.4520	2.4600	2.4600	2.4560	0.3257%	1.7042%	0.0415
13/09/2012	2.4600	2.4850	2.4850	2.4725	1.0111%	0.6696%	0.0165
14/09/2012	2.5350	2.5440	2.5440	2.5395	0.3544%	2.6737%	0.0670
17/09/2012	2.4600	2.5270	2.4770	2.4935	2.6870%	-1.8280%	-0.0460
18/09/2012	2.4520	2.4690	2.4520	2.4605	0.6909%	-1.3323%	-0.0330
19/09/2012	2.4440	2.4770	2.4440	2.4605	1.3412%	0.0000%	0.0000
20/09/2012	2.4520	2.4600	2.4600	2.4560	0.3257%	-0.1831%	-0.0045
21/09/2012	2.4690	2.4940	2.4690	2.4815	1.0075%	1.0329%	0.0255
24/09/2012	2.4440	2.4600	2.4600	2.4520	0.6525%	-1.1959%	-0.0295
25/09/2012	2.4350	2.4440	2.4440	2.4395	0.3689%	-0.5111%	-0.0125
26/09/2012	2.3850	2.4100	2.4100	2.3975	1.0428%	-1.7367%	-0.0420
27/09/2012	2.4190	2.4350	2.4190	2.4270	0.6593%	1.2229%	0.0295
28/09/2012	2.4190	2.4350	2.4350	2.4270	0.6593%	0.0000%	0.0000
03/10/2012	2.3850	2.4440	2.3850	2.4145	2.4436%	-0.5164%	-0.0125
04/10/2012	2.4100	2.4190	2.4100	2.4145	0.3727%	0.0000%	0.0000
05/10/2012	2.3850	2.4440	2.4440	2.4145	2.4436%	0.0000%	0.0000
09/10/2012	2.3850	2.4100	2.4100	2.3975	1.0428%	-0.7066%	-0.0170

10/10/2012	2.3600	2.3690	2.3600	2.3645	0.3806%	-1.3860%	-0.0330
11/10/2012	2.3770	2.4020	2.3850	2.3895	1.0462%	1.0518%	0.0250
12/10/2012	2.3100	2.3850	2.3100	2.3475	3.1949%	-1.7733%	-0.0420
15/10/2012	2.3440	2.3520	2.3520	2.3480	0.3407%	0.0213%	0.0005
16/10/2012	2.3440	2.3850	2.3600	2.3645	1.7340%	0.7003%	0.0165
17/10/2012	2.3600	2.4020	2.3940	2.3810	1.7640%	0.6954%	0.0165
18/10/2012	2.3600	2.3770	2.3770	2.3685	0.7178%	-0.5264%	-0.0125
19/10/2012	2.3440	2.3770	2.3770	2.3605	1.3980%	-0.3383%	-0.0080
22/10/2012	2.3520	2.3600	2.3600	2.3560	0.3396%	-0.1908%	-0.0045
23/10/2012	2.2520	2.2690	2.2600	2.2605	0.7520%	-4.1379%	-0.0955
24/10/2012	2.1850	2.2100	2.2100	2.1975	1.1377%	-2.8266%	-0.0630
25/10/2012	2.1850	2.2020	2.2020	2.1935	0.7750%	-0.1822%	-0.0040
26/10/2012	2.1930	2.2100	2.2100	2.2015	0.7722%	0.3641%	0.0080
29/10/2012	2.2100	2.2350	2.2100	2.2225	1.1249%	0.9494%	0.0210
30/10/2012	2.2190	2.2270	2.2270	2.2230	0.3599%	0.0225%	0.0005
31/10/2012	2.1100	2.1430	2.1100	2.1265	1.5518%	-4.4380%	-0.0965
02/11/2012	2.1520	2.2020	2.2020	2.1770	2.2967%	2.3470%	0.0505
05/11/2012	2.1520	2.2100	2.2100	2.1810	2.6593%	0.1836%	0.0040
06/11/2012	2.1180	2.1270	2.1270	2.1225	0.4240%	-2.7189%	-0.0585
07/11/2012	2.0930	2.1020	2.0930	2.0975	0.4291%	-1.1848%	-0.0250
08/11/2012	2.1600	2.1680	2.1600	2.1640	0.3697%	3.1212%	0.0665
09/11/2012	2.1270	2.1520	2.1520	2.1395	1.1685%	-1.1386%	-0.0245
12/11/2012	2.1350	2.1520	2.1520	2.1435	0.7931%	0.1868%	0.0040
13/11/2012	2.1180	2.1680	2.1680	2.1430	2.3332%	-0.0233%	-0.0005
14/11/2012	2.0430	2.0850	2.0520	2.0640	2.0349%	-3.7561%	-0.0790
15/11/2012	1.8010	1.8100	1.8100	1.8055	0.4985%	-13.3808%	-0.2585
16/11/2012	1.8180	1.8350	1.8180	1.8265	0.9307%	1.1564%	0.0210
19/11/2012	1.8430	1.8520	1.8430	1.8475	0.4871%	1.1432%	0.0210
20/11/2012	1.8180	1.8350	1.8180	1.8265	0.9307%	-1.1432%	-0.0210
21/11/2012	1.8270	1.8350	1.8350	1.8310	0.4369%	0.2461%	0.0045
22/11/2012	1.8600	1.8850	1.8600	1.8725	1.3351%	2.2412%	0.0415
23/11/2012	1.9520	1.9600	1.9520	1.9560	0.4090%	4.3627%	0.0835
26/11/2012	1.9680	1.9770	1.9680	1.9725	0.4563%	0.8400%	0.0165
27/11/2012	2.0680	2.0770	2.0770	2.0725	0.4343%	4.9454%	0.1000
28/11/2012	2.0270	2.0350	2.0270	2.0310	0.3939%	-2.0227%	-0.0415
29/11/2012	2.0430	2.0520	2.0520	2.0475	0.4396%	0.8091%	0.0165
30/11/2012	2.0600	2.0850	2.0600	2.0725	1.2063%	1.2136%	0.0250
03/12/2012	2.1350	2.1430	2.1350	2.1390	0.3740%	3.1583%	0.0665
04/12/2012	2.1180	2.1680	2.1430	2.1430	2.3332%	0.1868%	0.0040
05/12/2012	2.1020	2.1100	2.1020	2.1060	0.3799%	-1.7416%	-0.0370
06/12/2012	2.0850	2.1020	2.0850	2.0935	0.8120%	-0.5953%	-0.0125
07/12/2012	2.0850	2.0930	2.0930	2.0890	0.3830%	-0.2152%	-0.0045
10/12/2012	2.0770	2.0850	2.0770	2.0810	0.3844%	-0.3837%	-0.0080
11/12/2012	2.0770	2.0850	2.0850	2.0810	0.3844%	0.0000%	0.0000
12/12/2012	2.0680	2.0850	2.0850	2.0765	0.8187%	-0.2165%	-0.0045
13/12/2012	2.0600	2.0770	2.0600	2.0685	0.8219%	-0.3860%	-0.0080

14/12/2012	2.0430	2.0680	2.0430	2.0555	1.2162%	-0.6305%	-0.0130
17/12/2012	2.0520	2.0600	2.0520	2.0560	0.3891%	0.0243%	0.0005
18/12/2012	2.0680	2.0770	2.0770	2.0725	0.4343%	0.7993%	0.0165
19/12/2012	2.0850	2.0930	2.0930	2.0890	0.3830%	0.7930%	0.0165
20/12/2012	2.0770	2.0850	2.0850	2.0810	0.3844%	-0.3837%	-0.0080
21/12/2012	2.0680	2.0850	2.0850	2.0765	0.8187%	-0.2165%	-0.0045
24/12/2012	2.0850	2.1180	2.0850	2.1015	1.5703%	1.1968%	0.0250
26/12/2012	2.0770	2.0850	2.0770	2.0810	0.3844%	-0.9803%	-0.0205
27/12/2012	2.0600	2.1020	2.1020	2.0810	2.0183%	0.0000%	0.0000
28/12/2012	2.1180	2.1600	2.1600	2.1390	1.9635%	2.7490%	0.0580
31/12/2012	2.1520	2.1680	2.1600	2.1600	0.7407%	0.9770%	0.0210
02/01/2013	2.1930	2.2020	2.1930	2.1975	0.4096%	1.7212%	0.0375
03/01/2013	2.2020	2.2100	2.2100	2.2060	0.3626%	0.3861%	0.0085
04/01/2013	2.1930	2.2020	2.2020	2.1975	0.4096%	-0.3861%	-0.0085
07/01/2013	2.2020	2.2100	2.2020	2.2060	0.3626%	0.3861%	0.0085
08/01/2013	2.2190	2.2350	2.2350	2.2270	0.7185%	0.9474%	0.0210
09/01/2013	2.2600	2.2690	2.2690	2.2645	0.3974%	1.6699%	0.0375
10/01/2013	2.3100	2.3190	2.3190	2.3145	0.3889%	2.1840%	0.0500
11/01/2013	2.3020	2.3100	2.3100	2.3060	0.3469%	-0.3679%	-0.0085
14/01/2013	2.2850	2.2940	2.2940	2.2895	0.3931%	-0.7181%	-0.0165
15/01/2013	2.2690	2.2940	2.2940	2.2815	1.0958%	-0.3500%	-0.0080
16/01/2013	2.2600	2.2690	2.2690	2.2645	0.3974%	-0.7479%	-0.0170
17/01/2013	2.2690	2.2770	2.2770	2.2730	0.3520%	0.3747%	0.0085
18/01/2013	2.2270	2.2690	2.2350	2.2480	1.8683%	-1.1060%	-0.0250
21/01/2013	2.2350	2.2440	2.2440	2.2395	0.4019%	-0.3788%	-0.0085
22/01/2013	2.2270	2.2440	2.2440	2.2355	0.7605%	-0.1788%	-0.0040
23/01/2013	2.2270	2.2350	2.2350	2.2310	0.3586%	-0.2015%	-0.0045
24/01/2013	2.2100	2.2190	2.2100	2.2145	0.4064%	-0.7423%	-0.0165
25/01/2013	2.1770	2.1850	2.1850	2.1810	0.3668%	-1.5243%	-0.0335
28/01/2013	2.1770	2.2440	2.1770	2.2105	3.0310%	1.3435%	0.0295
29/01/2013	2.1350	2.1680	2.1680	2.1515	1.5338%	-2.7053%	-0.0590
30/01/2013	2.1930	2.2020	2.2020	2.1975	0.4096%	2.1155%	0.0460
31/01/2013	2.2190	2.2270	2.2190	2.2230	0.3599%	1.1537%	0.0255
01/02/2013	2.2270	2.2440	2.2270	2.2355	0.7605%	0.5607%	0.0125
04/02/2013	2.2190	2.2270	2.2190	2.2230	0.3599%	-0.5607%	-0.0125
05/02/2013	2.2190	2.2520	2.2520	2.2355	1.4762%	0.5607%	0.0125
06/02/2013	2.1930	2.2020	2.2020	2.1975	0.4096%	-1.7145%	-0.0380
07/02/2013	2.1770	2.1850	2.1850	2.1810	0.3668%	-0.7537%	-0.0165
08/02/2013	2.1930	2.2100	2.1930	2.2015	0.7722%	0.9355%	0.0205
11/02/2013	2.2100	2.2350	2.2100	2.2225	1.1249%	0.9494%	0.0210
12/02/2013	2.2020	2.2100	2.2020	2.2060	0.3626%	-0.7452%	-0.0165
13/02/2013	2.1930	2.2020	2.2020	2.1975	0.4096%	-0.3861%	-0.0085
14/02/2013	2.1770	2.1850	2.1850	2.1810	0.3668%	-0.7537%	-0.0165
15/02/2013	2.0850	2.1100	2.1100	2.0975	1.1919%	-3.9037%	-0.0835
18/02/2013	2.0770	2.0850	2.0850	2.0810	0.3844%	-0.7898%	-0.0165
19/02/2013	2.1100	2.1180	2.1100	2.1140	0.3784%	1.5733%	0.0330

20/02/2013	2.1020	2.1180	2.1100	2.1100	0.7583%	-0.1894%	-0.0040
21/02/2013	2.0770	2.0930	2.0930	2.0850	0.7674%	-1.1919%	-0.0250
22/02/2013	2.0680	2.0770	2.0770	2.0725	0.4343%	-0.6013%	-0.0125
25/02/2013	2.0430	2.0770	2.0520	2.0600	1.6505%	-0.6050%	-0.0125
26/02/2013	2.0430	2.0680	2.0600	2.0555	1.2162%	-0.2187%	-0.0045
27/02/2013	2.0100	2.0180	2.0100	2.0140	0.3972%	-2.0396%	-0.0415
28/02/2013	1.9930	2.0020	1.9930	1.9975	0.4506%	-0.8226%	-0.0165
01/03/2013	1.9350	1.9680	1.9680	1.9515	1.6910%	-2.3298%	-0.0460
04/03/2013	1.9100	1.9180	1.9180	1.9140	0.4180%	-1.9403%	-0.0375
05/03/2013	1.9100	1.9270	1.9270	1.9185	0.8861%	0.2348%	0.0045
06/03/2013	1.8930	1.9020	1.9020	1.8975	0.4743%	-1.1006%	-0.0210
07/03/2013	1.8680	1.8850	1.8680	1.8765	0.9059%	-1.1129%	-0.0210
08/03/2013	1.8850	1.9180	1.8850	1.9015	1.7355%	1.3235%	0.0250
11/03/2013	1.8770	1.8850	1.8770	1.8810	0.4253%	-1.0839%	-0.0205
12/03/2013	1.7930	1.8430	1.8350	1.8180	2.7503%	-3.4067%	-0.0630
13/03/2013	1.8180	1.8350	1.8350	1.8265	0.9307%	0.4665%	0.0085
14/03/2013	1.8850	1.9180	1.8850	1.9015	1.7355%	4.0241%	0.0750
15/03/2013	1.9520	2.0180	2.0180	1.9850	3.3249%	4.2976%	0.0835
18/03/2013	1.9600	2.0100	1.9850	1.9850	2.5189%	0.0000%	0.0000
19/03/2013	1.9180	1.9350	1.9180	1.9265	0.8824%	-2.9914%	-0.0585
20/03/2013	1.9600	1.9680	1.9600	1.9640	0.4073%	1.9278%	0.0375
21/03/2013	1.9430	1.9520	1.9520	1.9475	0.4621%	-0.8437%	-0.0165
22/03/2013	1.9020	1.9430	1.9020	1.9225	2.1326%	-1.2920%	-0.0250
25/03/2013	1.8520	1.8680	1.8680	1.8600	0.8602%	-3.3050%	-0.0625
26/03/2013	1.8600	1.8680	1.8680	1.8640	0.4292%	0.2148%	0.0040
27/03/2013	1.8430	1.9020	1.8430	1.8725	3.1509%	0.4550%	0.0085
01/04/2013	1.8850	1.8930	1.8850	1.8890	0.4235%	0.8773%	0.0165
02/04/2013	1.8520	1.8850	1.8600	1.8685	1.7661%	-1.0912%	-0.0205
03/04/2013	1.8430	1.8680	1.8600	1.8555	1.3473%	-0.6982%	-0.0130
04/04/2013	1.8520	1.8770	1.8600	1.8645	1.3408%	0.4839%	0.0090
05/04/2013	1.8350	1.8600	1.8350	1.8475	1.3532%	-0.9160%	-0.0170
08/04/2013	1.8010	1.8270	1.8010	1.8140	1.4333%	-1.8299%	-0.0335
09/04/2013	1.8350	1.8430	1.8350	1.8390	0.4350%	1.3688%	0.0250
10/04/2013	1.8180	1.8270	1.8270	1.8225	0.4938%	-0.9013%	-0.0165
11/04/2013	1.8100	1.8180	1.8100	1.8140	0.4410%	-0.4675%	-0.0085
12/04/2013	1.7850	1.8010	1.7850	1.7930	0.8924%	-1.1644%	-0.0210
15/04/2013	1.6680	1.6760	1.6680	1.6720	0.4785%	-6.9870%	-0.1210
16/04/2013	1.6930	1.7100	1.7010	1.7015	0.9991%	1.7490%	0.0295
17/04/2013	1.6510	1.6680	1.6680	1.6595	1.0244%	-2.4994%	-0.0420
18/04/2013	1.6850	1.6930	1.6850	1.6890	0.4737%	1.7620%	0.0295
19/04/2013	1.6350	1.6510	1.6510	1.6430	0.9738%	-2.7613%	-0.0460
22/04/2013	1.6010	1.6180	1.6180	1.6095	1.0562%	-2.0600%	-0.0335
23/04/2013	1.5430	1.5850	1.5850	1.5640	2.6854%	-2.8677%	-0.0455
24/04/2013	1.5100	1.5350	1.5100	1.5225	1.6420%	-2.6893%	-0.0415
25/04/2013	1.5510	1.5850	1.5510	1.5680	2.1684%	2.9447%	0.0455
26/04/2013	1.4600	1.4850	1.4850	1.4725	1.6978%	-6.2839%	-0.0955

29/04/2013	1.4760	1.4850	1.4850	1.4805	0.6079%	0.5418%	0.0080
30/04/2013	1.4180	1.4260	1.4180	1.4220	0.5626%	-4.0316%	-0.0585
02/05/2013	1.3590	1.4100	1.4100	1.3845	3.6836%	-2.6725%	-0.0375
03/05/2013	1.3760	1.3840	1.3840	1.3800	0.5797%	-0.3256%	-0.0045
06/05/2013	1.3340	1.3590	1.3590	1.3465	1.8567%	-2.4575%	-0.0335
07/05/2013	1.2430	1.2510	1.2510	1.2470	0.6415%	-7.6768%	-0.0995
08/05/2013	1.2260	1.2510	1.2260	1.2385	2.0186%	-0.6840%	-0.0085
09/05/2013	1.3090	1.3180	1.3090	1.3135	0.6852%	5.8794%	0.0750
10/05/2013	1.3680	1.3760	1.3760	1.3720	0.5831%	4.3574%	0.0585
13/05/2013	1.3930	1.4100	1.3930	1.4015	1.2130%	2.1274%	0.0295
14/05/2013	1.2760	1.2930	1.2840	1.2845	1.3235%	-8.7174%	-0.1170
15/05/2013	1.2760	1.3260	1.2760	1.3010	3.8432%	1.2764%	0.0165
16/05/2013	1.1680	1.2010	1.1680	1.1845	2.7860%	-9.3812%	-0.1165
17/05/2013	1.2090	1.2260	1.2090	1.2175	1.3963%	2.7479%	0.0330
20/05/2013	1.2090	1.2180	1.2090	1.2135	0.7417%	-0.3291%	-0.0040
21/05/2013	1.2260	1.2510	1.2510	1.2385	2.0186%	2.0392%	0.0250
22/05/2013	1.2590	1.2760	1.2590	1.2675	1.3412%	2.3145%	0.0290
23/05/2013	1.2340	1.2430	1.2340	1.2385	0.7267%	-2.3145%	-0.0290
24/05/2013	1.1740	1.2020	1.1930	1.1880	2.3569%	-4.1630%	-0.0505
27/05/2013	1.1560	1.2020	1.1740	1.1790	3.9016%	-0.7605%	-0.0090
28/05/2013	1.1470	1.1740	1.1740	1.1605	2.3266%	-1.5816%	-0.0185
29/05/2013	1.1190	1.1380	1.1380	1.1285	1.6837%	-2.7962%	-0.0320
30/05/2013	1.1100	1.1280	1.1190	1.1190	1.6086%	-0.8454%	-0.0095
31/05/2013	1.1010	1.1190	1.1190	1.1100	1.6216%	-0.8075%	-0.0090
03/06/2013	1.0460	1.0730	1.0460	1.0595	2.5484%	-4.6563%	-0.0505
04/06/2013	1.0460	1.0640	1.0460	1.0550	1.7062%	-0.4256%	-0.0045
05/06/2013	1.1010	1.1100	1.1010	1.1055	0.8141%	4.6757%	0.0505
06/06/2013	1.0920	1.1010	1.1010	1.0965	0.8208%	-0.8174%	-0.0090
07/06/2013	1.1930	1.2020	1.1930	1.1975	0.7516%	8.8113%	0.1010
10/06/2013	1.2660	1.2750	1.2660	1.2705	0.7084%	5.9174%	0.0730
11/06/2013	1.1650	1.1740	1.1740	1.1695	0.7696%	-8.2834%	-0.1010
12/06/2013	1.2020	1.2110	1.2020	1.2065	0.7460%	3.1147%	0.0370
13/06/2013	1.2200	1.2390	1.2390	1.2295	1.5453%	1.8884%	0.0230
14/06/2013	1.2390	1.2480	1.2480	1.2435	0.7238%	1.1322%	0.0140
17/06/2013	1.2480	1.2660	1.2660	1.2570	1.4320%	1.0798%	0.0135
18/06/2013	1.2480	1.2570	1.2570	1.2525	0.7186%	-0.3586%	-0.0045
19/06/2013	1.2290	1.2390	1.2290	1.2340	0.8104%	-1.4881%	-0.0185
20/06/2013	1.1560	1.1830	1.1830	1.1695	2.3087%	-5.3685%	-0.0645
21/06/2013	1.1740	1.1930	1.1740	1.1835	1.6054%	1.1900%	0.0140
24/06/2013	1.1470	1.1560	1.1470	1.1515	0.7816%	-2.7411%	-0.0320
25/06/2013	1.1280	1.1380	1.1380	1.1330	0.8826%	-1.6196%	-0.0185
26/06/2013	1.1100	1.1190	1.1190	1.1145	0.8075%	-1.6463%	-0.0185
27/06/2013	1.0830	1.1100	1.1100	1.0965	2.4624%	-1.6283%	-0.0180
28/06/2013	1.1650	1.1930	1.1930	1.1790	2.3749%	7.2543%	0.0825
01/07/2013	1.1280	1.1470	1.1280	1.1375	1.6703%	-3.5834%	-0.0415
02/07/2013	1.1100	1.1190	1.1190	1.1145	0.8075%	-2.0427%	-0.0230

03/07/2013	1.1280	1.1470	1.1470	1.1375	1.6703%	2.0427%	0.0230
04/07/2013	1.1100	1.1190	1.1190	1.1145	0.8075%	-2.0427%	-0.0230
05/07/2013	1.0920	1.1470	1.0920	1.1195	4.9129%	0.4476%	0.0050
08/07/2013	1.0830	1.0920	1.0920	1.0875	0.8276%	-2.9001%	-0.0320
09/07/2013	1.0550	1.0830	1.0640	1.0690	2.6193%	-1.7158%	-0.0185
10/07/2013	1.0460	1.0550	1.0460	1.0505	0.8567%	-1.7457%	-0.0185
11/07/2013	1.0460	1.0550	1.0550	1.0505	0.8567%	0.0000%	0.0000
12/07/2013	1.0460	1.0550	1.0550	1.0505	0.8567%	0.0000%	0.0000
15/07/2013	1.0920	1.1010	1.1010	1.0965	0.8208%	4.2857%	0.0460
16/07/2013	1.0830	1.0920	1.0920	1.0875	0.8276%	-0.8242%	-0.0090
17/07/2013	1.0830	1.1010	1.1010	1.0920	1.6484%	0.4129%	0.0045
18/07/2013	1.0920	1.1100	1.1100	1.1010	1.6349%	0.8208%	0.0090
19/07/2013	1.0920	1.1010	1.0920	1.0965	0.8208%	-0.4096%	-0.0045
22/07/2013	1.1010	1.1740	1.0920	1.1375	6.4176%	3.6710%	0.0410
23/07/2013	1.0920	1.1010	1.0920	1.0965	0.8208%	-3.6710%	-0.0410
24/07/2013	1.0920	1.1010	1.1010	1.0965	0.8208%	0.0000%	0.0000
25/07/2013	1.0830	1.1010	1.0830	1.0920	1.6484%	-0.4112%	-0.0045
26/07/2013	1.0920	1.1010	1.1010	1.0965	0.8208%	0.4112%	0.0045
30/07/2013	1.0830	1.1010	1.0920	1.0920	1.6484%	-0.4112%	-0.0045
31/07/2013	1.0730	1.0830	1.0730	1.0780	0.9276%	-1.2903%	-0.0140
01/08/2013	1.0730	1.1280	1.1010	1.1005	4.9977%	2.0657%	0.0225
02/08/2013	1.0830	1.1010	1.1010	1.0920	1.6484%	-0.7754%	-0.0085
05/08/2013	1.0920	1.1010	1.1010	1.0965	0.8208%	0.4112%	0.0045
06/08/2013	1.0550	1.0640	1.0640	1.0595	0.8495%	-3.4326%	-0.0370
07/08/2013	1.0730	1.0920	1.0920	1.0825	1.7552%	2.1476%	0.0230
08/08/2013	1.0920	1.1010	1.1010	1.0965	0.8208%	1.2850%	0.0140
09/08/2013	1.0730	1.1010	1.1010	1.0870	2.5759%	-0.8702%	-0.0095
12/08/2013	1.1650	1.1740	1.1650	1.1695	0.7696%	7.3155%	0.0825
13/08/2013	1.1930	1.2020	1.1930	1.1975	0.7516%	2.3660%	0.0280
14/08/2013	1.1830	1.2020	1.2020	1.1925	1.5933%	-0.4184%	-0.0050
15/08/2013	1.2020	1.2200	1.2020	1.2110	1.4864%	1.5395%	0.0185
16/08/2013	1.2200	1.2290	1.2290	1.2245	0.7350%	1.1086%	0.0135
19/08/2013	1.2110	1.2290	1.2290	1.2200	1.4754%	-0.3682%	-0.0045
20/08/2013	1.2750	1.2840	1.2840	1.2795	0.7034%	4.7619%	0.0595
21/08/2013	1.2750	1.2840	1.2840	1.2795	0.7034%	0.0000%	0.0000
22/08/2013	1.2660	1.2840	1.2840	1.2750	1.4118%	-0.3523%	-0.0045
23/08/2013	1.2750	1.2840	1.2840	1.2795	0.7034%	0.3523%	0.0045
26/08/2013	1.2940	1.3030	1.3030	1.2985	0.6931%	1.4740%	0.0190
27/08/2013	1.2660	1.2750	1.2750	1.2705	0.7084%	-2.1799%	-0.0280
28/08/2013	1.2480	1.2570	1.2570	1.2525	0.7186%	-1.4269%	-0.0180
29/08/2013	1.2570	1.2660	1.2660	1.2615	0.7134%	0.7160%	0.0090
02/09/2013	1.2480	1.2750	1.2660	1.2615	2.1403%	0.0000%	0.0000
03/09/2013	1.2750	1.2840	1.2840	1.2795	0.7034%	1.4168%	0.0180
04/09/2013	1.2660	1.2750	1.2660	1.2705	0.7084%	-0.7059%	-0.0090
05/09/2013	1.2390	1.2480	1.2480	1.2435	0.7238%	-2.1481%	-0.0270
06/09/2013	1.2660	1.2750	1.2750	1.2705	0.7084%	2.1481%	0.0270

09/09/2013	1.2570	1.2660	1.2660	1.2615	0.7134%	-0.7109%	-0.0090
10/09/2013	1.2660	1.2750	1.2660	1.2705	0.7084%	0.7109%	0.0090
11/09/2013	1.2480	1.2570	1.2570	1.2525	0.7186%	-1.4269%	-0.0180
12/09/2013	1.2290	1.2390	1.2390	1.2340	0.8104%	-1.4881%	-0.0185
13/09/2013	1.2110	1.2200	1.2110	1.2155	0.7404%	-1.5105%	-0.0185
16/09/2013	1.2480	1.2750	1.2750	1.2615	2.1403%	3.7146%	0.0460
17/09/2013	1.1830	1.2020	1.1830	1.1925	1.5933%	-5.6250%	-0.0690
18/09/2013	1.1650	1.1830	1.1650	1.1740	1.5332%	-1.5635%	-0.0185
19/09/2013	1.1740	1.1830	1.1830	1.1785	0.7637%	0.3826%	0.0045
20/09/2013	1.1740	1.2020	1.1930	1.1880	2.3569%	0.8029%	0.0095
23/09/2013	1.1830	1.2020	1.1930	1.1925	1.5933%	0.3781%	0.0045
24/09/2013	1.1560	1.1650	1.1650	1.1605	0.7755%	-2.7201%	-0.0320
25/09/2013	1.1650	1.1740	1.1740	1.1695	0.7696%	0.7725%	0.0090
26/09/2013	1.1470	1.1650	1.1650	1.1560	1.5571%	-1.1611%	-0.0135
27/09/2013	1.1560	1.1650	1.1650	1.1605	0.7755%	0.3885%	0.0045
30/09/2013	1.1470	1.1560	1.1470	1.1515	0.7816%	-0.7786%	-0.0090
01/10/2013	1.1470	1.1650	1.1560	1.1560	1.5571%	0.3900%	0.0045
02/10/2013	1.1560	1.1740	1.1650	1.1650	1.5451%	0.7755%	0.0090
03/10/2013	1.1560	1.1650	1.1650	1.1605	0.7755%	-0.3870%	-0.0045
04/10/2013	1.1560	1.1650	1.1560	1.1605	0.7755%	0.0000%	0.0000
07/10/2013	1.1470	1.1560	1.1470	1.1515	0.7816%	-0.7786%	-0.0090
09/10/2013	1.1470	1.2750	1.1560	1.2110	10.5698%	5.0381%	0.0595
10/10/2013	1.1380	1.1930	1.1380	1.1655	4.7190%	-3.8296%	-0.0455
11/10/2013	1.1470	1.1560	1.1560	1.1515	0.7816%	-1.2085%	-0.0140
14/10/2013	1.1380	1.1740	1.1740	1.1560	3.1142%	0.3900%	0.0045
15/10/2013	1.1280	1.1930	1.1930	1.1605	5.6010%	0.3885%	0.0045
16/10/2013	1.1830	1.1930	1.1930	1.1880	0.8418%	2.3420%	0.0275
17/10/2013	1.1830	1.2020	1.2020	1.1925	1.5933%	0.3781%	0.0045
18/10/2013	1.2020	1.2110	1.2110	1.2065	0.7460%	1.1672%	0.0140
21/10/2013	1.1830	1.1930	1.1930	1.1880	0.8418%	-1.5452%	-0.0185
22/10/2013	1.2110	1.2200	1.2200	1.2155	0.7404%	2.2884%	0.0275
23/10/2013	1.1830	1.1930	1.1930	1.1880	0.8418%	-2.2884%	-0.0275
24/10/2013	1.1740	1.1930	1.1930	1.1835	1.6054%	-0.3795%	-0.0045
25/10/2013	1.1740	1.1830	1.1830	1.1785	0.7637%	-0.4234%	-0.0050
28/10/2013	1.1650	1.1740	1.1740	1.1695	0.7696%	-0.7666%	-0.0090
29/10/2013	1.1650	1.2200	1.1930	1.1925	4.6122%	1.9476%	0.0230
30/10/2013	1.2020	1.2110	1.2110	1.2065	0.7460%	1.1672%	0.0140
31/10/2013	1.1830	1.1930	1.1930	1.1880	0.8418%	-1.5452%	-0.0185
04/11/2013	1.1830	1.1930	1.1830	1.1880	0.8418%	0.0000%	0.0000
05/11/2013	1.1650	1.1930	1.1930	1.1790	2.3749%	-0.7605%	-0.0090
06/11/2013	1.1830	1.1930	1.1830	1.1880	0.8418%	0.7605%	0.0090
07/11/2013	1.1650	1.1740	1.1650	1.1695	0.7696%	-1.5695%	-0.0185
08/11/2013	1.1280	1.1380	1.1380	1.1330	0.8826%	-3.1707%	-0.0365
11/11/2013	1.1280	1.1560	1.1280	1.1420	2.4518%	0.7912%	0.0090
12/11/2013	1.1280	1.1380	1.1280	1.1330	0.8826%	-0.7912%	-0.0090
13/11/2013	1.1010	1.1100	1.1100	1.1055	0.8141%	-2.4571%	-0.0275

14/11/2013	1.0920	1.1010	1.1010	1.0965	0.8208%	-0.8174%	-0.0090
15/11/2013	1.1010	1.1190	1.1190	1.1100	1.6216%	1.2237%	0.0135
18/11/2013	1.0730	1.0920	1.0830	1.0825	1.7552%	-2.5087%	-0.0275
19/11/2013	1.0730	1.0830	1.0830	1.0780	0.9276%	-0.4166%	-0.0045
20/11/2013	1.0640	1.0730	1.0730	1.0685	0.8423%	-0.8852%	-0.0095
21/11/2013	1.0640	1.0730	1.0730	1.0685	0.8423%	0.0000%	0.0000
22/11/2013	1.0730	1.1470	1.0730	1.1100	6.6667%	3.8104%	0.0415
25/11/2013	1.0460	1.0550	1.0550	1.0505	0.8567%	-5.5094%	-0.0595
26/11/2013	1.0550	1.0830	1.0730	1.0690	2.6193%	1.7457%	0.0185
27/11/2013	1.0460	1.0550	1.0550	1.0505	0.8567%	-1.7457%	-0.0185
28/11/2013	1.0280	1.0460	1.0370	1.0370	1.7358%	-1.2934%	-0.0135
29/11/2013	1.0280	1.0370	1.0370	1.0325	0.8717%	-0.4349%	-0.0045
02/12/2013	1.0180	1.0280	1.0280	1.0230	0.9775%	-0.9244%	-0.0095
03/12/2013	1.0000	1.0090	1.0090	1.0045	0.8960%	-1.8250%	-0.0185
04/12/2013	0.9820	0.9910	0.9910	0.9865	0.9123%	-1.8082%	-0.0180
05/12/2013	0.9820	0.9910	0.9910	0.9865	0.9123%	0.0000%	0.0000
06/12/2013	0.9820	0.9910	0.9910	0.9865	0.9123%	0.0000%	0.0000
09/12/2013	0.9820	0.9910	0.9820	0.9865	0.9123%	0.0000%	0.0000
10/12/2013	1.0180	1.0550	1.0180	1.0365	3.5697%	4.9442%	0.0500
11/12/2013	0.9820	0.9910	0.9910	0.9865	0.9123%	-4.9442%	-0.0500
12/12/2013	1.0370	1.0460	1.0370	1.0415	0.8641%	5.4254%	0.0550
13/12/2013	1.0730	1.0830	1.0730	1.0780	0.9276%	3.4445%	0.0365
16/12/2013	1.1470	1.1650	1.1470	1.1560	1.5571%	6.9858%	0.0780
17/12/2013	1.1560	1.1830	1.1830	1.1695	2.3087%	1.1611%	0.0135
18/12/2013	1.1560	1.1650	1.1560	1.1605	0.7755%	-0.7725%	-0.0090
19/12/2013	1.1100	1.1190	1.1190	1.1145	0.8075%	-4.0445%	-0.0460
20/12/2013	1.0920	1.1010	1.0920	1.0965	0.8208%	-1.6283%	-0.0180
23/12/2013	1.0550	1.0730	1.0730	1.0640	1.6917%	-3.0088%	-0.0325
24/12/2013	1.0640	1.0730	1.0640	1.0685	0.8423%	0.4220%	0.0045
26/12/2013	1.0550	1.0640	1.0640	1.0595	0.8495%	-0.8459%	-0.0090
27/12/2013	1.0370	1.0460	1.0460	1.0415	0.8641%	-1.7135%	-0.0180
30/12/2013	1.0370	1.0460	1.0370	1.0415	0.8641%	0.0000%	0.0000
31/12/2013	1.0370	1.0460	1.0460	1.0415	0.8641%	0.0000%	0.0000
02/01/2014	1.1010	1.1190	1.1100	1.1100	1.6216%	6.3698%	0.0685
03/01/2014	1.1190	1.1280	1.1280	1.1235	0.8011%	1.2089%	0.0135
06/01/2014	1.1190	1.1380	1.1280	1.1285	1.6837%	0.4441%	0.0050
07/01/2014	1.1100	1.1280	1.1280	1.1190	1.6086%	-0.8454%	-0.0095
08/01/2014	1.1100	1.1190	1.1190	1.1145	0.8075%	-0.4030%	-0.0045
09/01/2014	1.0920	1.1190	1.1100	1.1055	2.4423%	-0.8108%	-0.0090
10/01/2014	1.1190	1.1280	1.1280	1.1235	0.8011%	1.6151%	0.0180
13/01/2014	1.1280	1.1380	1.1380	1.1330	0.8826%	0.8420%	0.0095
14/01/2014	1.1470	1.1560	1.1560	1.1515	0.7816%	1.6196%	0.0185
15/01/2014	1.1380	1.1560	1.1560	1.1470	1.5693%	-0.3916%	-0.0045
16/01/2014	1.1470	1.1560	1.1560	1.1515	0.7816%	0.3916%	0.0045
17/01/2014	1.1380	1.1470	1.1470	1.1425	0.7877%	-0.7847%	-0.0090
20/01/2014	1.1470	1.1560	1.1560	1.1515	0.7816%	0.7847%	0.0090

21/01/2014	1.1650	1.1740	1.1740	1.1695	0.7696%	1.5511%	0.0180
22/01/2014	1.1470	1.1560	1.1560	1.1515	0.7816%	-1.5511%	-0.0180
23/01/2014	1.1470	1.1560	1.1470	1.1515	0.7816%	0.0000%	0.0000
24/01/2014	1.1010	1.1100	1.1010	1.1055	0.8141%	-4.0768%	-0.0460
27/01/2014	1.0550	1.0640	1.0640	1.0595	0.8495%	-4.2501%	-0.0460
28/01/2014	1.0550	1.0640	1.0640	1.0595	0.8495%	0.0000%	0.0000
29/01/2014	1.0180	1.0280	1.0280	1.0230	0.9775%	-3.5058%	-0.0365
30/01/2014	1.0550	1.0640	1.0640	1.0595	0.8495%	3.5058%	0.0365
31/01/2014	1.0460	1.0550	1.0460	1.0505	0.8567%	-0.8531%	-0.0090
03/02/2014	1.0180	1.0280	1.0280	1.0230	0.9775%	-2.6527%	-0.0275
04/02/2014	1.0280	1.0460	1.0370	1.0370	1.7358%	1.3592%	0.0140
05/02/2014	1.0460	1.0550	1.0550	1.0505	0.8567%	1.2934%	0.0135
06/02/2014	1.0460	1.0550	1.0550	1.0505	0.8567%	0.0000%	0.0000
07/02/2014	1.0640	1.0730	1.0730	1.0685	0.8423%	1.6990%	0.0180
10/02/2014	1.0460	1.0550	1.0550	1.0505	0.8567%	-1.6990%	-0.0180
11/02/2014	1.0370	1.0460	1.0460	1.0415	0.8641%	-0.8604%	-0.0090
12/02/2014	1.0280	1.0370	1.0370	1.0325	0.8717%	-0.8679%	-0.0090
13/02/2014	1.0370	1.0460	1.0460	1.0415	0.8641%	0.8679%	0.0090
14/02/2014	1.0460	1.0550	1.0460	1.0505	0.8567%	0.8604%	0.0090
17/02/2014	1.0460	1.0550	1.0550	1.0505	0.8567%	0.0000%	0.0000
18/02/2014	1.0460	1.0550	1.0550	1.0505	0.8567%	0.0000%	0.0000
19/02/2014	1.0550	1.0640	1.0640	1.0595	0.8495%	0.8531%	0.0090
20/02/2014	1.0730	1.0830	1.0830	1.0780	0.9276%	1.7310%	0.0185
21/02/2014	1.0830	1.1010	1.1010	1.0920	1.6484%	1.2903%	0.0140
24/02/2014	1.0830	1.0920	1.0830	1.0875	0.8276%	-0.4129%	-0.0045
25/02/2014	1.0640	1.0730	1.0730	1.0685	0.8423%	-1.7626%	-0.0190
26/02/2014	1.0550	1.0730	1.0730	1.0640	1.6917%	-0.4220%	-0.0045
27/02/2014	1.0550	1.0640	1.0640	1.0595	0.8495%	-0.4238%	-0.0045
28/02/2014	1.0550	1.0830	1.0830	1.0690	2.6193%	0.8927%	0.0095
03/03/2014	1.0280	1.0550	1.0460	1.0415	2.5924%	-2.6062%	-0.0275
04/03/2014	1.0370	1.0460	1.0460	1.0415	0.8641%	0.0000%	0.0000
05/03/2014	1.0180	1.0280	1.0280	1.0230	0.9775%	-1.7922%	-0.0185
06/03/2014	1.0550	1.0640	1.0640	1.0595	0.8495%	3.5058%	0.0365
07/03/2014	1.0550	1.0640	1.0550	1.0595	0.8495%	0.0000%	0.0000
10/03/2014	1.0370	1.0460	1.0370	1.0415	0.8641%	-1.7135%	-0.0180
11/03/2014	1.0550	1.0640	1.0550	1.0595	0.8495%	1.7135%	0.0180
12/03/2014	1.0370	1.0550	1.0550	1.0460	1.7208%	-1.2824%	-0.0135
13/03/2014	1.0280	1.0460	1.0280	1.0370	1.7358%	-0.8641%	-0.0090
14/03/2014	1.0180	1.0280	1.0280	1.0230	0.9775%	-1.3592%	-0.0140
17/03/2014	1.0180	1.0280	1.0280	1.0230	0.9775%	0.0000%	0.0000
18/03/2014	1.0090	1.0460	1.0090	1.0275	3.6010%	0.4389%	0.0045
19/03/2014	1.0180	1.0280	1.0180	1.0230	0.9775%	-0.4389%	-0.0045
20/03/2014	1.0280	1.0550	1.0280	1.0415	2.5924%	1.7922%	0.0185
21/03/2014	1.0090	1.0460	1.0090	1.0275	3.6010%	-1.3533%	-0.0140
24/03/2014	1.0000	1.0090	1.0090	1.0045	0.8960%	-2.2639%	-0.0230
25/03/2014	0.9720	1.0090	0.9720	0.9905	3.7355%	-1.4035%	-0.0140

26/03/2014	0.9720	0.9910	0.9820	0.9815	1.9358%	-0.9128%	-0.0090
27/03/2014	0.9630	0.9820	0.9820	0.9725	1.9537%	-0.9212%	-0.0090
28/03/2014	0.9720	0.9910	0.9910	0.9815	1.9358%	0.9212%	0.0090
31/03/2014	0.9720	0.9820	0.9820	0.9770	1.0235%	-0.4595%	-0.0045
01/04/2014	0.9820	0.9910	0.9820	0.9865	0.9123%	0.9677%	0.0095
02/04/2014	0.9820	0.9910	0.9910	0.9865	0.9123%	0.0000%	0.0000
03/04/2014	0.9720	0.9910	0.9820	0.9815	1.9358%	-0.5081%	-0.0050
04/04/2014	0.9820	0.9910	0.9820	0.9865	0.9123%	0.5081%	0.0050
07/04/2014	0.9630	0.9820	0.9630	0.9725	1.9537%	-1.4293%	-0.0140
08/04/2014	0.9720	0.9820	0.9720	0.9770	1.0235%	0.4617%	0.0045
09/04/2014	0.9820	0.9910	0.9820	0.9865	0.9123%	0.9677%	0.0095
10/04/2014	1.0000	1.0180	1.0180	1.0090	1.7839%	2.2552%	0.0225
11/04/2014	0.9910	1.0000	1.0000	0.9955	0.9041%	-1.3470%	-0.0135
14/04/2014	1.0000	1.0180	1.0090	1.0090	1.7839%	1.3470%	0.0135
15/04/2014	0.9910	1.0000	1.0000	0.9955	0.9041%	-1.3470%	-0.0135
16/04/2014	0.9910	1.0000	0.9910	0.9955	0.9041%	0.0000%	0.0000
21/04/2014	0.9820	1.0000	0.9910	0.9910	1.8163%	-0.4531%	-0.0045
22/04/2014	0.9910	1.0000	1.0000	0.9955	0.9041%	0.4531%	0.0045
23/04/2014	0.9910	1.0090	1.0000	1.0000	1.8000%	0.4510%	0.0045
24/04/2014	0.9900	1.0000	1.0000	0.9950	1.0050%	-0.5013%	-0.0050
25/04/2014	0.9900	1.0000	1.0000	0.9950	1.0050%	0.0000%	0.0000
28/04/2014	0.9800	0.9900	0.9800	0.9850	1.0152%	-1.0101%	-0.0100
29/04/2014	1.0000	1.0100	1.0100	1.0050	0.9950%	2.0101%	0.0200
30/04/2014	1.0500	1.0600	1.0600	1.0550	0.9479%	4.8553%	0.0500
02/05/2014	1.0200	1.0400	1.0200	1.0300	1.9417%	-2.3982%	-0.0250
05/05/2014	1.0300	1.0400	1.0300	1.0350	0.9662%	0.4843%	0.0050
06/05/2014	1.0500	1.0600	1.0500	1.0550	0.9479%	1.9139%	0.0200
07/05/2014	1.0700	1.0800	1.0700	1.0750	0.9302%	1.8780%	0.0200
08/05/2014	1.1100	1.1300	1.1300	1.1200	1.7857%	4.1008%	0.0450
09/05/2014	1.1000	1.1200	1.1100	1.1100	1.8018%	-0.8969%	-0.0100
12/05/2014	1.1500	1.1700	1.1600	1.1600	1.7241%	4.4060%	0.0500
13/05/2014	1.1300	1.1400	1.1300	1.1350	0.8811%	-2.1787%	-0.0250
14/05/2014	1.1000	1.1200	1.1000	1.1100	1.8018%	-2.2273%	-0.0250
15/05/2014	1.1000	1.1100	1.1000	1.1050	0.9050%	-0.4515%	-0.0050
16/05/2014	1.0900	1.1000	1.1000	1.0950	0.9132%	-0.9091%	-0.0100
19/05/2014	1.0900	1.1000	1.1000	1.0950	0.9132%	0.0000%	0.0000
20/05/2014	1.0800	1.1000	1.0900	1.0900	1.8349%	-0.4577%	-0.0050
21/05/2014	1.0700	1.0800	1.0800	1.0750	0.9302%	-1.3857%	-0.0150
22/05/2014	1.0800	1.1000	1.0900	1.0900	1.8349%	1.3857%	0.0150
23/05/2014	1.1000	1.1100	1.1100	1.1050	0.9050%	1.3668%	0.0150
26/05/2014	1.1000	1.1100	1.1100	1.1050	0.9050%	0.0000%	0.0000
27/05/2014	1.0800	1.0900	1.0800	1.0850	0.9217%	-1.8265%	-0.0200
28/05/2014	1.0600	1.0800	1.0700	1.0700	1.8692%	-1.3921%	-0.0150
29/05/2014	1.0800	1.0900	1.0800	1.0850	0.9217%	1.3921%	0.0150
30/05/2014	1.0700	1.0800	1.0700	1.0750	0.9302%	-0.9259%	-0.0100
02/06/2014	1.0700	1.0900	1.0700	1.0800	1.8519%	0.4640%	0.0050

03/06/2014	1.0600	1.0800	1.0700	1.0700	1.8692%	-0.9302%	-0.0100
04/06/2014	1.0700	1.0800	1.0700	1.0750	0.9302%	0.4662%	0.0050
05/06/2014	1.0600	1.0800	1.0700	1.0700	1.8692%	-0.4662%	-0.0050
06/06/2014	1.0800	1.1000	1.0800	1.0900	1.8349%	1.8519%	0.0200
09/06/2014	1.0800	1.1000	1.0900	1.0900	1.8349%	0.0000%	0.0000
10/06/2014	1.0800	1.0900	1.0900	1.0850	0.9217%	-0.4598%	-0.0050
11/06/2014	1.0900	1.1000	1.1000	1.0950	0.9132%	0.9174%	0.0100
12/06/2014	1.1200	1.1300	1.1200	1.1250	0.8889%	2.7029%	0.0300
13/06/2014	1.1100	1.1200	1.1200	1.1150	0.8969%	-0.8929%	-0.0100
16/06/2014	1.0900	1.1000	1.1000	1.0950	0.9132%	-1.8100%	-0.0200
17/06/2014	1.0900	1.1000	1.0900	1.0950	0.9132%	0.0000%	0.0000
18/06/2014	1.0900	1.1000	1.1000	1.0950	0.9132%	0.0000%	0.0000
19/06/2014	1.1300	1.1400	1.1400	1.1350	0.8811%	3.5878%	0.0400
20/06/2014	1.1300	1.1400	1.1400	1.1350	0.8811%	0.0000%	0.0000
23/06/2014	1.1100	1.1200	1.1200	1.1150	0.8969%	-1.7778%	-0.0200
24/06/2014	1.1000	1.1100	1.1000	1.1050	0.9050%	-0.9009%	-0.0100
25/06/2014	1.1100	1.1200	1.1100	1.1150	0.8969%	0.9009%	0.0100
26/06/2014	1.1100	1.1200	1.1200	1.1150	0.8969%	0.0000%	0.0000
27/06/2014	1.0900	1.1200	1.0900	1.1050	2.7149%	-0.9009%	-0.0100
30/06/2014	1.1000	1.1300	1.1000	1.1150	2.6906%	0.9009%	0.0100
01/07/2014	1.1100	1.1200	1.1200	1.1150	0.8969%	0.0000%	0.0000
02/07/2014	1.1200	1.1300	1.1300	1.1250	0.8889%	0.8929%	0.0100
03/07/2014	1.1400	1.1500	1.1400	1.1450	0.8734%	1.7622%	0.0200
04/07/2014	1.1700	1.1800	1.1700	1.1750	0.8511%	2.5864%	0.0300
07/07/2014	1.1700	1.1800	1.1800	1.1750	0.8511%	0.0000%	0.0000
08/07/2014	1.2000	1.2100	1.2000	1.2050	0.8299%	2.5211%	0.0300
09/07/2014	1.2100	1.2200	1.2100	1.2150	0.8230%	0.8265%	0.0100
10/07/2014	1.1800	1.1900	1.1900	1.1850	0.8439%	-2.5001%	-0.0300
11/07/2014	1.1700	1.1800	1.1800	1.1750	0.8511%	-0.8475%	-0.0100
14/07/2014	1.1500	1.1600	1.1600	1.1550	0.8658%	-1.7168%	-0.0200
15/07/2014	1.1500	1.1600	1.1500	1.1550	0.8658%	0.0000%	0.0000
16/07/2014	1.1500	1.1600	1.1500	1.1550	0.8658%	0.0000%	0.0000
17/07/2014	1.1300	1.1400	1.1400	1.1350	0.8811%	-1.7468%	-0.0200
18/07/2014	1.1300	1.1400	1.1400	1.1350	0.8811%	0.0000%	0.0000
21/07/2014	1.1600	1.1700	1.1700	1.1650	0.8584%	2.6088%	0.0300
22/07/2014	1.1600	1.1700	1.1700	1.1650	0.8584%	0.0000%	0.0000
23/07/2014	1.1400	1.1500	1.1500	1.1450	0.8734%	-1.7316%	-0.0200
24/07/2014	1.1300	1.1400	1.1400	1.1350	0.8811%	-0.8772%	-0.0100
25/07/2014	1.1400	1.1500	1.1500	1.1450	0.8734%	0.8772%	0.0100
30/07/2014	1.1400	1.1600	1.1400	1.1500	1.7391%	0.4357%	0.0050
31/07/2014	1.1400	1.1700	1.1700	1.1550	2.5974%	0.4338%	0.0050
01/08/2014	1.1600	1.1700	1.1600	1.1650	0.8584%	0.8621%	0.0100
04/08/2014	1.1700	1.1800	1.1800	1.1750	0.8511%	0.8547%	0.0100
05/08/2014	1.1600	1.1700	1.1600	1.1650	0.8584%	-0.8547%	-0.0100
06/08/2014	1.1600	1.1700	1.1600	1.1650	0.8584%	0.0000%	0.0000
07/08/2014	1.1600	1.1700	1.1700	1.1650	0.8584%	0.0000%	0.0000

08/08/2014	1.1400	1.1500	1.1400	1.1450	0.8734%	-1.7316%	-0.0200
11/08/2014	1.1500	1.1600	1.1500	1.1550	0.8658%	0.8696%	0.0100
12/08/2014	1.1400	1.1500	1.1400	1.1450	0.8734%	-0.8696%	-0.0100
13/08/2014	1.1400	1.1500	1.1400	1.1450	0.8734%	0.0000%	0.0000
14/08/2014	1.1300	1.1400	1.1400	1.1350	0.8811%	-0.8772%	-0.0100
15/08/2014	1.1300	1.1500	1.1500	1.1400	1.7544%	0.4396%	0.0050
18/08/2014	1.1500	1.1600	1.1500	1.1550	0.8658%	1.3072%	0.0150
19/08/2014	1.1500	1.1600	1.1500	1.1550	0.8658%	0.0000%	0.0000
20/08/2014	1.1500	1.1600	1.1500	1.1550	0.8658%	0.0000%	0.0000
21/08/2014	1.1400	1.1500	1.1400	1.1450	0.8734%	-0.8696%	-0.0100
22/08/2014	1.1400	1.1500	1.1500	1.1450	0.8734%	0.0000%	0.0000
25/08/2014	1.1300	1.1400	1.1400	1.1350	0.8811%	-0.8772%	-0.0100
26/08/2014	1.1100	1.1200	1.1100	1.1150	0.8969%	-1.7778%	-0.0200
27/08/2014	1.1200	1.1300	1.1200	1.1250	0.8889%	0.8929%	0.0100
28/08/2014	1.1100	1.1200	1.1100	1.1150	0.8969%	-0.8929%	-0.0100
29/08/2014	1.1100	1.1200	1.1200	1.1150	0.8969%	0.0000%	0.0000
01/09/2014	1.1200	1.1300	1.1200	1.1250	0.8889%	0.8929%	0.0100
02/09/2014	1.1100	1.1300	1.1200	1.1200	1.7857%	-0.4454%	-0.0050
03/09/2014	1.1100	1.1300	1.1200	1.1200	1.7857%	0.0000%	0.0000
04/09/2014	1.0700	1.0800	1.0800	1.0750	0.9302%	-4.1008%	-0.0450
05/09/2014	1.0700	1.0800	1.0700	1.0750	0.9302%	0.0000%	0.0000
08/09/2014	1.0700	1.0800	1.0800	1.0750	0.9302%	0.0000%	0.0000
09/09/2014	1.0600	1.0700	1.0700	1.0650	0.9390%	-0.9346%	-0.0100
10/09/2014	1.0400	1.0500	1.0500	1.0450	0.9569%	-1.8958%	-0.0200
11/09/2014	1.0500	1.0600	1.0500	1.0550	0.9479%	0.9524%	0.0100
12/09/2014	1.0400	1.0500	1.0400	1.0450	0.9569%	-0.9524%	-0.0100
15/09/2014	1.0300	1.0800	1.0400	1.0550	4.7393%	0.9524%	0.0100
16/09/2014	1.0300	1.0400	1.0400	1.0350	0.9662%	-1.9139%	-0.0200
17/09/2014	1.0200	1.0400	1.0300	1.0300	1.9417%	-0.4843%	-0.0050
18/09/2014	1.0300	1.0400	1.0300	1.0350	0.9662%	0.4843%	0.0050
19/09/2014	1.0600	1.0700	1.0700	1.0650	0.9390%	2.8573%	0.0300
22/09/2014	1.0500	1.0600	1.0500	1.0550	0.9479%	-0.9434%	-0.0100
23/09/2014	1.0400	1.0500	1.0400	1.0450	0.9569%	-0.9524%	-0.0100
24/09/2014	1.0200	1.0300	1.0300	1.0250	0.9756%	-1.9324%	-0.0200
25/09/2014	1.0100	1.0200	1.0200	1.0150	0.9852%	-0.9804%	-0.0100
26/09/2014	1.0200	1.0300	1.0300	1.0250	0.9756%	0.9804%	0.0100
29/09/2014	1.0000	1.0100	1.0100	1.0050	0.9950%	-1.9705%	-0.0200
30/09/2014	0.9800	0.9900	0.9900	0.9850	1.0152%	-2.0101%	-0.0200
01/10/2014	0.9900	1.0000	0.9900	0.9950	1.0050%	1.0101%	0.0100
02/10/2014	0.9800	0.9900	0.9800	0.9850	1.0152%	-1.0101%	-0.0100
03/10/2014	0.9500	0.9600	0.9600	0.9550	1.0471%	-3.0930%	-0.0300
06/10/2014	0.9100	0.9400	0.9400	0.9250	3.2432%	-3.1918%	-0.0300
07/10/2014	0.9200	0.9400	0.9200	0.9300	2.1505%	0.5391%	0.0050
09/10/2014	0.9200	0.9300	0.9300	0.9250	1.0811%	-0.5391%	-0.0050
10/10/2014	0.9200	0.9500	0.9300	0.9350	3.2086%	1.0753%	0.0100
13/10/2014	0.9300	0.9400	0.9400	0.9350	1.0695%	0.0000%	0.0000

14/10/2014	0.9600	0.9700	0.9600	0.9650	1.0363%	3.1582%	0.0300
15/10/2014	0.9700	0.9800	0.9800	0.9750	1.0256%	1.0309%	0.0100
16/10/2014	0.9600	0.9700	0.9600	0.9650	1.0363%	-1.0309%	-0.0100
17/10/2014	0.9700	0.9800	0.9800	0.9750	1.0256%	1.0309%	0.0100
20/10/2014	0.9500	0.9600	0.9500	0.9550	1.0471%	-2.0726%	-0.0200
21/10/2014	0.9300	0.9400	0.9400	0.9350	1.0695%	-2.1165%	-0.0200
22/10/2014	0.9300	0.9600	0.9400	0.9450	3.1746%	1.0638%	0.0100
23/10/2014	0.9300	0.9400	0.9400	0.9350	1.0695%	-1.0638%	-0.0100
24/10/2014	0.9500	0.9600	0.9500	0.9550	1.0471%	2.1165%	0.0200
27/10/2014	0.9300	0.9400	0.9400	0.9350	1.0695%	-2.1165%	-0.0200
28/10/2014	0.9200	0.9300	0.9300	0.9250	1.0811%	-1.0753%	-0.0100
29/10/2014	0.9100	0.9200	0.9200	0.9150	1.0929%	-1.0870%	-0.0100
30/10/2014	0.8900	0.9200	0.9000	0.9050	3.3149%	-1.0989%	-0.0100
31/10/2014	0.8400	0.8500	0.8500	0.8450	1.1834%	-6.8598%	-0.0600
03/11/2014	0.8100	0.8300	0.8100	0.8200	2.4390%	-3.0032%	-0.0250
04/11/2014	0.8100	0.8200	0.8200	0.8150	1.2270%	-0.6116%	-0.0050
05/11/2014	0.7600	0.7800	0.7600	0.7700	2.5974%	-5.6798%	-0.0450
06/11/2014	0.7900	0.8000	0.8000	0.7950	1.2579%	3.1952%	0.0250
07/11/2014	0.8200	0.8300	0.8200	0.8250	1.2121%	3.7041%	0.0300
10/11/2014	0.8000	0.8300	0.8000	0.8150	3.6810%	-1.2195%	-0.0100
11/11/2014	0.7900	0.8000	0.8000	0.7950	1.2579%	-2.4846%	-0.0200
12/11/2014	0.7700	0.7800	0.7800	0.7750	1.2903%	-2.5479%	-0.0200
13/11/2014	0.7700	0.7800	0.7800	0.7750	1.2903%	0.0000%	0.0000
14/11/2014	0.7800	0.7900	0.7900	0.7850	1.2739%	1.2821%	0.0100
17/11/2014	0.7600	0.7700	0.7700	0.7650	1.3072%	-2.5808%	-0.0200
18/11/2014	0.7400	0.7500	0.7500	0.7450	1.3423%	-2.6492%	-0.0200
19/11/2014	0.7400	0.7500	0.7400	0.7450	1.3423%	0.0000%	0.0000
20/11/2014	0.7400	0.7500	0.7500	0.7450	1.3423%	0.0000%	0.0000
21/11/2014	0.7800	0.7900	0.7900	0.7850	1.2739%	5.2299%	0.0400
24/11/2014	0.7800	0.7900	0.7800	0.7850	1.2739%	0.0000%	0.0000
25/11/2014	0.7900	0.8000	0.7900	0.7950	1.2579%	1.2658%	0.0100
26/11/2014	0.7900	0.8000	0.8000	0.7950	1.2579%	0.0000%	0.0000
27/11/2014	0.7800	0.7900	0.7900	0.7850	1.2739%	-1.2658%	-0.0100
28/11/2014	0.7700	0.7800	0.7800	0.7750	1.2903%	-1.2821%	-0.0100
01/12/2014	0.8000	0.8200	0.8200	0.8100	2.4691%	4.4171%	0.0350
02/12/2014	0.7700	0.8000	0.7800	0.7850	3.8217%	-3.1351%	-0.0250
03/12/2014	0.7700	0.7800	0.7800	0.7750	1.2903%	-1.2821%	-0.0100
04/12/2014	0.7600	0.7700	0.7600	0.7650	1.3072%	-1.2987%	-0.0100
05/12/2014	0.7500	0.7700	0.7500	0.7600	2.6316%	-0.6557%	-0.0050
09/12/2014	0.7800	0.7900	0.7900	0.7850	1.2739%	3.2365%	0.0250
10/12/2014	0.7800	0.8000	0.7800	0.7900	2.5316%	0.6349%	0.0050
11/12/2014	0.7900	0.8000	0.8000	0.7950	1.2579%	0.6309%	0.0050
12/12/2014	0.7700	0.8000	0.8000	0.7850	3.8217%	-1.2658%	-0.0100
15/12/2014	0.7500	0.7600	0.7500	0.7550	1.3245%	-3.8966%	-0.0300
16/12/2014	0.7200	0.7500	0.7200	0.7350	4.0816%	-2.6847%	-0.0200
17/12/2014	0.7200	0.7300	0.7200	0.7250	1.3793%	-1.3699%	-0.0100

18/12/2014	0.7100	0.7400	0.7300	0.7250	4.1379%	0.0000%	0.0000
19/12/2014	0.7200	0.7400	0.7300	0.7300	2.7397%	0.6873%	0.0050
22/12/2014	0.7200	0.7300	0.7300	0.7250	1.3793%	-0.6873%	-0.0050
23/12/2014	0.7200	0.7300	0.7300	0.7250	1.3793%	0.0000%	0.0000
24/12/2014	0.7100	0.7300	0.7300	0.7200	2.7778%	-0.6920%	-0.0050
26/12/2014	0.7300	0.7400	0.7300	0.7350	1.3605%	2.0619%	0.0150
29/12/2014	0.7100	0.7300	0.7100	0.7200	2.7778%	-2.0619%	-0.0150
30/12/2014	0.7100	0.7300	0.7300	0.7200	2.7778%	0.0000%	0.0000
31/12/2014	0.7200	0.7300	0.7200	0.7250	1.3793%	0.6920%	0.0050
05/01/2015	0.7000	0.7100	0.7100	0.7050	1.4184%	-2.7974%	-0.0200
06/01/2015	0.7000	0.7100	0.7100	0.7050	1.4184%	0.0000%	0.0000
07/01/2015	0.7000	0.7100	0.7000	0.7050	1.4184%	0.0000%	0.0000
08/01/2015	0.6900	0.7000	0.7000	0.6950	1.4388%	-1.4286%	-0.0100
09/01/2015	0.6900	0.7000	0.6900	0.6950	1.4388%	0.0000%	0.0000
12/01/2015	0.6600	0.6700	0.6700	0.6650	1.5038%	-4.4125%	-0.0300
13/01/2015	0.6100	0.6200	0.6200	0.6150	1.6260%	-7.8165%	-0.0500
14/01/2015	0.5700	0.5800	0.5800	0.5750	1.7391%	-6.7252%	-0.0400
15/01/2015	0.5600	0.5700	0.5700	0.5650	1.7699%	-1.7544%	-0.0100
16/01/2015	0.5600	0.5700	0.5700	0.5650	1.7699%	0.0000%	0.0000
19/01/2015	0.5600	0.5700	0.5700	0.5650	1.7699%	0.0000%	0.0000
20/01/2015	0.5300	0.5500	0.5300	0.5400	3.7037%	-4.5257%	-0.0250
21/01/2015	0.4900	0.5000	0.5000	0.4950	2.0202%	-8.7011%	-0.0450
22/01/2015	0.4900	0.5000	0.5000	0.4950	2.0202%	0.0000%	0.0000
23/01/2015	0.4900	0.5100	0.5000	0.5000	4.0000%	1.0050%	0.0050
26/01/2015	0.4900	0.5000	0.5000	0.4950	2.0202%	-1.0050%	-0.0050
27/01/2015	0.4800	0.5000	0.5000	0.4900	4.0816%	-1.0152%	-0.0050
28/01/2015	0.4800	0.4900	0.4900	0.4850	2.0619%	-1.0257%	-0.0050
29/01/2015	0.4400	0.4600	0.4500	0.4500	4.4444%	-7.4901%	-0.0350
30/01/2015	0.4700	0.5000	0.4800	0.4850	6.1856%	7.4901%	0.0350
02/02/2015	0.4900	0.5200	0.5000	0.5050	5.9406%	4.0410%	0.0200
03/02/2015	0.5500	0.5600	0.5500	0.5550	1.8018%	9.4410%	0.0500
04/02/2015	0.6100	0.6200	0.6100	0.6150	1.6260%	10.2654%	0.0600
05/02/2015	0.5800	0.5900	0.5800	0.5850	1.7094%	-5.0010%	-0.0300
06/02/2015	0.5500	0.5600	0.5500	0.5550	1.8018%	-5.2644%	-0.0300
09/02/2015	0.5700	0.5800	0.5800	0.5750	1.7391%	3.5402%	0.0200
10/02/2015	0.5600	0.5700	0.5700	0.5650	1.7699%	-1.7544%	-0.0100
11/02/2015	0.5700	0.5800	0.5800	0.5750	1.7391%	1.7544%	0.0100
12/02/2015	0.5800	0.6000	0.5800	0.5900	3.3898%	2.5752%	0.0150
13/02/2015	0.6100	0.6200	0.6200	0.6150	1.6260%	4.1500%	0.0250
16/02/2015	0.6200	0.6300	0.6300	0.6250	1.6000%	1.6129%	0.0100
17/02/2015	0.6000	0.6100	0.6100	0.6050	1.6529%	-3.2523%	-0.0200
18/02/2015	0.6100	0.6200	0.6200	0.6150	1.6260%	1.6394%	0.0100
19/02/2015	0.6600	0.6700	0.6700	0.6650	1.5038%	7.8165%	0.0500
20/02/2015	0.6400	0.6500	0.6500	0.6450	1.5504%	-3.0537%	-0.0200
23/02/2015	0.6200	0.6300	0.6200	0.6250	1.6000%	-3.1499%	-0.0200
24/02/2015	0.6100	0.6200	0.6200	0.6150	1.6260%	-1.6129%	-0.0100

25/02/2015	0.5900	0.6000	0.6000	0.5950	1.6807%	-3.3061%	-0.0200
26/02/2015	0.5800	0.5900	0.5900	0.5850	1.7094%	-1.6950%	-0.0100
27/02/2015	0.5900	0.6000	0.6000	0.5950	1.6807%	1.6950%	0.0100
02/03/2015	0.5900	0.6100	0.6100	0.6000	3.3333%	0.8368%	0.0050
03/03/2015	0.5900	0.6000	0.6000	0.5950	1.6807%	-0.8368%	-0.0050
04/03/2015	0.5700	0.5800	0.5800	0.5750	1.7391%	-3.4191%	-0.0200
05/03/2015	0.5500	0.5700	0.5600	0.5600	3.5714%	-2.6433%	-0.0150
06/03/2015	0.5300	0.5400	0.5400	0.5350	1.8692%	-4.5670%	-0.0250
09/03/2015	0.5300	0.5400	0.5300	0.5350	1.8692%	0.0000%	0.0000
10/03/2015	0.5300	0.5400	0.5400	0.5350	1.8692%	0.0000%	0.0000
11/03/2015	0.5400	0.5700	0.5400	0.5550	5.4054%	3.6701%	0.0200
12/03/2015	0.5300	0.5400	0.5400	0.5350	1.8692%	-3.6701%	-0.0200
13/03/2015	0.5400	0.5500	0.5400	0.5450	1.8349%	1.8519%	0.0100
16/03/2015	0.5300	0.5500	0.5400	0.5400	3.7037%	-0.9217%	-0.0050
17/03/2015	0.5400	0.5500	0.5500	0.5450	1.8349%	0.9217%	0.0050
18/03/2015	0.5500	0.5600	0.5600	0.5550	1.8018%	1.8182%	0.0100
19/03/2015	0.5400	0.5500	0.5500	0.5450	1.8349%	-1.8182%	-0.0100
20/03/2015	0.5400	0.5600	0.5500	0.5500	3.6364%	0.9132%	0.0050
23/03/2015	0.5300	0.5400	0.5400	0.5350	1.8692%	-2.7652%	-0.0150
24/03/2015	0.5300	0.5400	0.5400	0.5350	1.8692%	0.0000%	0.0000
25/03/2015	0.5100	0.5200	0.5200	0.5150	1.9417%	-3.8100%	-0.0200
26/03/2015	0.5100	0.5200	0.5200	0.5150	1.9417%	0.0000%	0.0000
27/03/2015	0.5000	0.5200	0.5200	0.5100	3.9216%	-0.9756%	-0.0050
30/03/2015	0.5300	0.5400	0.5400	0.5350	1.8692%	4.7856%	0.0250
31/03/2015	0.5400	0.5500	0.5500	0.5450	1.8349%	1.8519%	0.0100
01/04/2015	0.5800	0.6000	0.5900	0.5900	3.3898%	7.9337%	0.0450
06/04/2015	0.5900	0.6000	0.6000	0.5950	1.6807%	0.8439%	0.0050
07/04/2015	0.5800	0.5900	0.5900	0.5850	1.7094%	-1.6950%	-0.0100
08/04/2015	0.5700	0.5800	0.5700	0.5750	1.7391%	-1.7242%	-0.0100
09/04/2015	0.5600	0.5800	0.5800	0.5700	3.5088%	-0.8734%	-0.0050
10/04/2015	0.5700	0.5800	0.5800	0.5750	1.7391%	0.8734%	0.0050
13/04/2015	0.5800	0.5900	0.5900	0.5850	1.7094%	1.7242%	0.0100
14/04/2015	0.6000	0.6100	0.6000	0.6050	1.6529%	3.3617%	0.0200
15/04/2015	0.5900	0.6100	0.6000	0.6000	3.3333%	-0.8299%	-0.0050
16/04/2015	0.6000	0.6100	0.6000	0.6050	1.6529%	0.8299%	0.0050
17/04/2015	0.5800	0.6000	0.6000	0.5900	3.3898%	-2.5106%	-0.0150
20/04/2015	0.5700	0.5800	0.5800	0.5750	1.7391%	-2.5752%	-0.0150
21/04/2015	0.5400	0.5600	0.5500	0.5500	3.6364%	-4.4452%	-0.0250
22/04/2015	0.5500	0.5600	0.5600	0.5550	1.8018%	0.9050%	0.0050
23/04/2015	0.5800	0.5900	0.5900	0.5850	1.7094%	5.2644%	0.0300
24/04/2015	0.5700	0.5900	0.5800	0.5800	3.4483%	-0.8584%	-0.0050
27/04/2015	0.5900	0.6000	0.5900	0.5950	1.6807%	2.5533%	0.0150
28/04/2015	0.5700	0.5800	0.5800	0.5750	1.7391%	-3.4191%	-0.0200
29/04/2015	0.5900	0.6000	0.6000	0.5950	1.6807%	3.4191%	0.0200
30/04/2015	0.6000	0.6100	0.6100	0.6050	1.6529%	1.6667%	0.0100
04/05/2015	0.5800	0.6500	0.6300	0.6150	11.3821%	1.6394%	0.0100

08/05/2015	0.6300	0.6800	0.6600	0.6550	7.6336%	6.3013%	0.0400
12/05/2015	0.6900	0.7200	0.7000	0.7050	4.2553%	7.3563%	0.0500
14/05/2015	0.6500	0.7500	0.7100	0.7000	14.2857%	-0.7117%	-0.0050
15/05/2015	0.7000	0.7500	0.7300	0.7250	6.8966%	3.5091%	0.0250
18/05/2015	0.6900	0.7300	0.7200	0.7100	5.6338%	-2.0907%	-0.0150
19/05/2015	0.6500	0.7200	0.6900	0.6850	10.2190%	-3.5846%	-0.0250
20/05/2015	0.6500	0.7200	0.6800	0.6850	10.2190%	0.0000%	0.0000
21/05/2015	0.6800	0.7200	0.6900	0.7000	5.7143%	2.1661%	0.0150
22/05/2015	0.6600	0.7100	0.6800	0.6850	7.2993%	-2.1661%	-0.0150
25/05/2015	0.6600	0.6900	0.6800	0.6750	4.4444%	-1.4706%	-0.0100
26/05/2015	0.6600	0.7100	0.6900	0.6850	7.2993%	1.4706%	0.0100
27/05/2015	0.6700	0.7200	0.6800	0.6950	7.1942%	1.4493%	0.0100
28/05/2015	0.6700	0.6800	0.6700	0.6750	1.4815%	-2.9199%	-0.0200
29/05/2015	0.6700	0.7200	0.7000	0.6950	7.1942%	2.9199%	0.0200
01/06/2015	0.6600	0.7000	0.6700	0.6800	5.8824%	-2.1819%	-0.0150
02/06/2015	0.6700	0.7000	0.6900	0.6850	4.3796%	0.7326%	0.0050
03/06/2015	0.6700	0.7200	0.7000	0.6950	7.1942%	1.4493%	0.0100
04/06/2015	0.6700	0.7000	0.6800	0.6850	4.3796%	-1.4493%	-0.0100
05/06/2015	0.6700	0.6900	0.6800	0.6800	2.9412%	-0.7326%	-0.0050
08/06/2015	0.6700	0.6800	0.6700	0.6750	1.4815%	-0.7380%	-0.0050
09/06/2015	0.6700	0.7000	0.6800	0.6850	4.3796%	1.4706%	0.0100
10/06/2015	0.6700	0.7000	0.6800	0.6850	4.3796%	0.0000%	0.0000
11/06/2015	0.6800	0.7000	0.6900	0.6900	2.8986%	0.7273%	0.0050
12/06/2015	0.6800	0.7100	0.7000	0.6950	4.3165%	0.7220%	0.0050
15/06/2015	0.6800	0.7100	0.6900	0.6950	4.3165%	0.0000%	0.0000
16/06/2015	0.6800	0.7100	0.7000	0.6950	4.3165%	0.0000%	0.0000
17/06/2015	0.7200	0.7400	0.7300	0.7300	2.7397%	4.9133%	0.0350
18/06/2015	0.7100	0.7600	0.7300	0.7350	6.8027%	0.6826%	0.0050
19/06/2015	0.6900	0.7400	0.7300	0.7150	6.9930%	-2.7588%	-0.0200
22/06/2015	0.7100	0.7400	0.7300	0.7250	4.1379%	1.3889%	0.0100
23/06/2015	0.6900	0.7300	0.7100	0.7100	5.6338%	-2.0907%	-0.0150
24/06/2015	0.6900	0.7300	0.7100	0.7100	5.6338%	0.0000%	0.0000
25/06/2015	0.6900	0.7100	0.7000	0.7000	2.8571%	-1.4185%	-0.0100
26/06/2015	0.7000	0.7300	0.7200	0.7150	4.1958%	2.1202%	0.0150
30/06/2015	0.6800	0.7300	0.7000	0.7050	7.0922%	-1.4085%	-0.0100
01/07/2015	0.6700	0.7000	0.6800	0.6850	4.3796%	-2.8779%	-0.0200
02/07/2015	0.6600	0.6900	0.6700	0.6750	4.4444%	-1.4706%	-0.0100
03/07/2015	0.6500	0.6800	0.6600	0.6650	4.5113%	-1.4926%	-0.0100
06/07/2015	0.6300	0.6800	0.6500	0.6550	7.6336%	-1.5152%	-0.0100
07/07/2015	0.6000	0.6500	0.6200	0.6250	8.0000%	-4.6884%	-0.0300
08/07/2015	0.6100	0.6800	0.6200	0.6450	10.8527%	3.1499%	0.0200
09/07/2015	0.6000	0.6800	0.6200	0.6400	12.5000%	-0.7782%	-0.0050
10/07/2015	0.5900	0.6500	0.6200	0.6200	9.6774%	-3.1749%	-0.0200
13/07/2015	0.5900	0.6500	0.6000	0.6200	9.6774%	0.0000%	0.0000
15/07/2015	0.6100	0.7100	0.6500	0.6600	15.1515%	6.2520%	0.0400
16/07/2015	0.6200	0.6500	0.6400	0.6350	4.7244%	-3.8615%	-0.0250

17/07/2015	0.5900	0.6100	0.6000	0.6000	3.3333%	-5.6695%	-0.0350
21/07/2015	0.5400	0.6200	0.5800	0.5800	13.7931%	-3.3902%	-0.0200
22/07/2015	0.5600	0.6100	0.5600	0.5850	8.5470%	0.8584%	0.0050
23/07/2015	0.5400	0.6000	0.5500	0.5700	10.5263%	-2.5975%	-0.0150
24/07/2015	0.5000	0.6400	0.5600	0.5700	24.5614%	0.0000%	0.0000
30/07/2015	0.5000	0.6400	0.5500	0.5700	24.5614%	0.0000%	0.0000
31/07/2015	0.5000	0.6400	0.5200	0.5700	24.5614%	0.0000%	0.0000
06/08/2015	0.4500	0.5700	0.4700	0.5100	23.5294%	-11.1226%	-0.0600
12/08/2015	0.4800	0.5700	0.4900	0.5250	17.1429%	2.8988%	0.0150
13/08/2015	0.4500	0.5700	0.4800	0.5100	23.5294%	-2.8988%	-0.0150
19/08/2015	0.3700	0.3950	0.3900	0.3825	6.5359%	-28.7682%	-0.1275
24/08/2015	0.3000	0.3950	0.3400	0.3475	27.3381%	-9.5964%	-0.0350
14/09/2015	0.3500	0.4000	0.3880	0.3750	13.3333%	7.6161%	0.0275
15/09/2015	0.3700	0.4000	0.3800	0.3850	7.7922%	2.6317%	0.0100
16/09/2015	0.3500	0.4000	0.3750	0.3750	13.3333%	-2.6317%	-0.0100
17/09/2015	0.3500	0.4100	0.4000	0.3800	15.7895%	1.3245%	0.0050
18/09/2015	0.3500	0.4100	0.3980	0.3800	15.7895%	0.0000%	0.0000
21/09/2015	0.3500	0.4000	0.3800	0.3750	13.3333%	-1.3245%	-0.0050
22/09/2015	0.3500	0.4000	0.3700	0.3750	13.3333%	0.0000%	0.0000
23/09/2015	0.3500	0.4000	0.3740	0.3750	13.3333%	0.0000%	0.0000
24/09/2015	0.3500	0.4000	0.3600	0.3750	13.3333%	0.0000%	0.0000
25/09/2015	0.3500	0.4000	0.3600	0.3750	13.3333%	0.0000%	0.0000
28/09/2015	0.3450	0.4000	0.3500	0.3725	14.7651%	-0.6689%	-0.0025
29/09/2015	0.3400	0.4000	0.3500	0.3700	16.2162%	-0.6734%	-0.0025
30/09/2015	0.3400	0.4000	0.3780	0.3700	16.2162%	0.0000%	0.0000
01/10/2015	0.3400	0.4100	0.3800	0.3750	18.6667%	1.3423%	0.0050
02/10/2015	0.3400	0.4000	0.3620	0.3700	16.2162%	-1.3423%	-0.0050
05/10/2015	0.3500	0.4000	0.3830	0.3750	13.3333%	1.3423%	0.0050
06/10/2015	0.3500	0.4000	0.3800	0.3750	13.3333%	0.0000%	0.0000
07/10/2015	0.3500	0.4000	0.3780	0.3750	13.3333%	0.0000%	0.0000
12/10/2015	0.3500	0.4000	0.3720	0.3750	13.3333%	0.0000%	0.0000
13/10/2015	0.3500	0.3990	0.3720	0.3745	13.0841%	-0.1334%	-0.0005
14/10/2015	0.3600	0.3990	0.3720	0.3795	10.2767%	1.3263%	0.0050
15/10/2015	0.3600	0.3760	0.3690	0.3680	4.3478%	-3.0772%	-0.0115
16/10/2015	0.3400	0.3760	0.3560	0.3580	10.0559%	-2.7550%	-0.0100
19/10/2015	0.3500	0.3760	0.3560	0.3630	7.1625%	1.3870%	0.0050
20/10/2015	0.3500	0.3990	0.3650	0.3745	13.0841%	3.1189%	0.0115
21/10/2015	0.3550	0.3950	0.3650	0.3750	10.6667%	0.1334%	0.0005
22/10/2015	0.3550	0.3950	0.3680	0.3750	10.6667%	0.0000%	0.0000
23/10/2015	0.3400	0.3950	0.3500	0.3675	14.9660%	-2.0203%	-0.0075
26/10/2015	0.3400	0.3700	0.3500	0.3550	8.4507%	-3.4606%	-0.0125
27/10/2015	0.3100	0.3950	0.3210	0.3525	24.1135%	-0.7067%	-0.0025
30/10/2015	0.3210	0.3250	0.3210	0.3230	1.2384%	-8.7398%	-0.0295
02/11/2015	0.3000	0.3400	0.3210	0.3200	12.5000%	-0.9331%	-0.0030
09/11/2015	0.2800	0.3200	0.2900	0.3000	13.3333%	-6.4539%	-0.0200
16/11/2015	0.2900	0.3000	0.2950	0.2950	3.3898%	-1.6807%	-0.0050

17/11/2015	0.2500	0.3000	0.2800	0.2750	18.1818%	-7.0204%	-0.0200
18/11/2015	0.2500	0.3000	0.2800	0.2750	18.1818%	0.0000%	0.0000
19/11/2015	0.2500	0.3000	0.2700	0.2750	18.1818%	0.0000%	0.0000
20/11/2015	0.2500	0.3000	0.2700	0.2750	18.1818%	0.0000%	0.0000
23/11/2015	0.2500	0.3000	0.2700	0.2750	18.1818%	0.0000%	0.0000
24/11/2015	0.2500	0.3000	0.2670	0.2750	18.1818%	0.0000%	0.0000
26/11/2015	0.2500	0.3000	0.2700	0.2750	18.1818%	0.0000%	0.0000
30/11/2015	0.2500	0.2900	0.2640	0.2700	14.8148%	-1.8349%	-0.0050
01/12/2015	0.2500	0.2900	0.2700	0.2700	14.8148%	0.0000%	0.0000
02/12/2015	0.2500	0.2900	0.2650	0.2700	14.8148%	0.0000%	0.0000
03/12/2015	0.2500	0.2700	0.2650	0.2600	7.6923%	-3.7740%	-0.0100
04/12/2015	0.2500	0.2700	0.2650	0.2600	7.6923%	0.0000%	0.0000
07/12/2015	0.2500	0.2900	0.2640	0.2700	14.8148%	3.7740%	0.0100
09/12/2015	0.2500	0.2700	0.2650	0.2600	7.6923%	-3.7740%	-0.0100
10/12/2015	0.2500	0.2700	0.2630	0.2600	7.6923%	0.0000%	0.0000
11/12/2015	0.2500	0.2700	0.2600	0.2600	7.6923%	0.0000%	0.0000
14/12/2015	0.2210	0.2700	0.2450	0.2455	19.9593%	-5.7385%	-0.0145
15/12/2015	0.2300	0.2700	0.2350	0.2500	16.0000%	1.8164%	0.0045
16/12/2015	0.2300	0.2700	0.2350	0.2500	16.0000%	0.0000%	0.0000
17/12/2015	0.2030	0.2700	0.2200	0.2365	28.3298%	-5.5513%	-0.0135
22/12/2015	0.2030	0.2200	0.2120	0.2115	8.0378%	-11.1723%	-0.0250
23/12/2015	0.2030	0.2200	0.2100	0.2115	8.0378%	0.0000%	0.0000
04/01/2016	0.1800	0.2000	0.1850	0.1900	10.5263%	-10.7201%	-0.0215
25/01/2016	0.1750	0.2200	0.2000	0.1975	22.7848%	3.8715%	0.0075
26/01/2016	0.1770	0.2200	0.2050	0.1985	21.6625%	0.5051%	0.0010
27/01/2016	0.2000	0.2200	0.2140	0.2100	9.5238%	5.6318%	0.0115
19/02/2016	0.2800	0.3100	0.3060	0.2950	10.1695%	33.9868%	0.0850
22/02/2016	0.3000	0.3400	0.3300	0.3200	12.5000%	8.1346%	0.0250
25/02/2016	0.3680	0.4000	0.3800	0.3840	8.3333%	18.2322%	0.0640
29/02/2016	0.3600	0.4000	0.3920	0.3800	10.5263%	-1.0471%	-0.0040
01/03/2016	0.3600	0.4000	0.3900	0.3800	10.5263%	0.0000%	0.0000
02/03/2016	0.3500	0.4000	0.3900	0.3750	13.3333%	-1.3245%	-0.0050
03/03/2016	0.3500	0.4300	0.4010	0.3900	20.5128%	3.9221%	0.0150
07/03/2016	0.4400	0.5200	0.4660	0.4800	16.6667%	20.7639%	0.0900
09/03/2016	0.4000	0.5000	0.4550	0.4500	22.2222%	-6.4539%	-0.0300
10/03/2016	0.4250	0.5000	0.4550	0.4625	16.2162%	2.7399%	0.0125
11/03/2016	0.4000	0.5000	0.4700	0.4500	22.2222%	-2.7399%	-0.0125
14/03/2016	0.4000	0.5000	0.4800	0.4500	22.2222%	0.0000%	0.0000
16/03/2016	0.4000	0.5000	0.4670	0.4500	22.2222%	0.0000%	0.0000
17/03/2016	0.4000	0.4800	0.4670	0.4400	18.1818%	-2.2473%	-0.0100
21/03/2016	0.5400	0.5900	0.5500	0.5650	8.8496%	25.0051%	0.1250
22/03/2016	0.5200	0.5600	0.5400	0.5400	7.4074%	-4.5257%	-0.0250
23/03/2016	0.4700	0.6000	0.5200	0.5350	24.2991%	-0.9302%	-0.0050
28/03/2016	0.4700	0.5600	0.5300	0.5150	17.4757%	-3.8100%	-0.0200
29/03/2016	0.4900	0.5500	0.5200	0.5200	11.5385%	0.9662%	0.0050
30/03/2016	0.4900	0.6000	0.5300	0.5450	20.1835%	4.6957%	0.0250

31/03/2016	0.4900	0.5500	0.5400	0.5200	11.5385%	-4.6957%	-0.0250
01/04/2016	0.4700	0.6000	0.4900	0.5350	24.2991%	2.8438%	0.0150
06/04/2016	0.4000	0.4700	0.4200	0.4350	16.0920%	-20.6921%	-0.1000
07/04/2016	0.3570	0.4700	0.3830	0.4135	27.3277%	-5.0689%	-0.0215
11/04/2016	0.5000	0.6000	0.5700	0.5500	18.1818%	28.5261%	0.1365
12/04/2016	0.5100	0.6000	0.5600	0.5550	16.2162%	0.9050%	0.0050
13/04/2016	0.5500	0.6000	0.5900	0.5750	8.6957%	3.5402%	0.0200
14/04/2016	0.5500	0.6000	0.5800	0.5750	8.6957%	0.0000%	0.0000
15/04/2016	0.5500	0.6500	0.6300	0.6000	16.6667%	4.2560%	0.0250
19/04/2016	0.6300	0.7000	0.6600	0.6650	10.5263%	10.2857%	0.0650
20/04/2016	0.6300	0.6800	0.6500	0.6550	7.6336%	-1.5152%	-0.0100
21/04/2016	0.6300	0.6600	0.6500	0.6450	4.6512%	-1.5385%	-0.0100
22/04/2016	0.6000	0.6800	0.6400	0.6400	12.5000%	-0.7782%	-0.0050
25/04/2016	0.6300	0.6800	0.6300	0.6550	7.6336%	2.3167%	0.0150
26/04/2016	0.6100	0.6800	0.6400	0.6450	10.8527%	-1.5385%	-0.0100
27/04/2016	0.6100	0.6800	0.6300	0.6450	10.8527%	0.0000%	0.0000
28/04/2016	0.6000	0.6600	0.6300	0.6300	9.5238%	-2.3530%	-0.0150
29/04/2016	0.6000	0.6500	0.6300	0.6250	8.0000%	-0.7968%	-0.0050
02/05/2016	0.6300	0.6800	0.6500	0.6550	7.6336%	4.6884%	0.0300
03/05/2016	0.6000	0.6800	0.6300	0.6400	12.5000%	-2.3167%	-0.0150
04/05/2016	0.5500	0.6700	0.5800	0.6100	19.6721%	-4.8009%	-0.0300
05/05/2016	0.5500	0.6000	0.5800	0.5750	8.6957%	-5.9089%	-0.0350
06/05/2016	0.5700	0.6000	0.5800	0.5850	5.1282%	1.7242%	0.0100
09/05/2016	0.5000	0.6000	0.5700	0.5500	18.1818%	-6.1694%	-0.0350
10/05/2016	0.5000	0.6200	0.6100	0.5600	21.4286%	1.8019%	0.0100
11/05/2016	0.5800	0.6400	0.6200	0.6100	9.8361%	8.5522%	0.0500
12/05/2016	0.5800	0.6600	0.6500	0.6200	12.9032%	1.6261%	0.0100
13/05/2016	0.6100	0.7000	0.6500	0.6550	13.7405%	5.4916%	0.0350
16/05/2016	0.6100	0.6900	0.6500	0.6500	12.3077%	-0.7663%	-0.0050
17/05/2016	0.6100	0.6800	0.6400	0.6450	10.8527%	-0.7722%	-0.0050
18/05/2016	0.6000	0.6900	0.6200	0.6450	13.9535%	0.0000%	0.0000
20/05/2016	0.6000	0.6300	0.6100	0.6150	4.8780%	-4.7628%	-0.0300
23/05/2016	0.5900	0.6300	0.6000	0.6100	6.5574%	-0.8163%	-0.0050
24/05/2016	0.5700	0.6000	0.5800	0.5850	5.1282%	-4.1847%	-0.0250
25/05/2016	0.5700	0.6000	0.5800	0.5850	5.1282%	0.0000%	0.0000
26/05/2016	0.5800	0.6300	0.6000	0.6050	8.2645%	3.3617%	0.0200
27/05/2016	0.5800	0.6300	0.5900	0.6050	8.2645%	0.0000%	0.0000
30/05/2016	0.5800	0.6300	0.5900	0.6050	8.2645%	0.0000%	0.0000
31/05/2016	0.5800	0.6000	0.5900	0.5900	3.3898%	-2.5106%	-0.0150
01/06/2016	0.5600	0.6000	0.5800	0.5800	6.8966%	-1.7094%	-0.0100
02/06/2016	0.5800	0.6000	0.5900	0.5900	3.3898%	1.7094%	0.0100
03/06/2016	0.5800	0.6700	0.6200	0.6250	14.4000%	5.7629%	0.0350
06/06/2016	0.6000	0.6300	0.6200	0.6150	4.8780%	-1.6129%	-0.0100
07/06/2016	0.5800	0.6300	0.5900	0.6050	8.2645%	-1.6394%	-0.0100
08/06/2016	0.5900	0.6200	0.6000	0.6050	4.9587%	0.0000%	0.0000
09/06/2016	0.5800	0.6100	0.5900	0.5950	5.0420%	-1.6667%	-0.0100

10/06/2016	0.5800	0.6000	0.5900	0.5900	3.3898%	-0.8439%	-0.0050
13/06/2016	0.5700	0.6000	0.5900	0.5850	5.1282%	-0.8511%	-0.0050
14/06/2016	0.5700	0.6000	0.5900	0.5850	5.1282%	0.0000%	0.0000
15/06/2016	0.5800	0.6200	0.6000	0.6000	6.6667%	2.5318%	0.0150
16/06/2016	0.5700	0.6000	0.5900	0.5850	5.1282%	-2.5318%	-0.0150
17/06/2016	0.5700	0.6000	0.5800	0.5850	5.1282%	0.0000%	0.0000
20/06/2016	0.5700	0.6000	0.5800	0.5850	5.1282%	0.0000%	0.0000
21/06/2016	0.5500	0.6000	0.5600	0.5750	8.6957%	-1.7242%	-0.0100
22/06/2016	0.5500	0.5900	0.5600	0.5700	7.0175%	-0.8734%	-0.0050
23/06/2016	0.5700	0.6000	0.5900	0.5850	5.1282%	2.5975%	0.0150
24/06/2016	0.5200	0.6000	0.5600	0.5600	14.2857%	-4.3675%	-0.0250
27/06/2016	0.5300	0.6000	0.5500	0.5650	12.3894%	0.8889%	0.0050
28/06/2016	0.5500	0.5800	0.5600	0.5650	5.3097%	0.0000%	0.0000
30/06/2016	0.5600	0.6000	0.6000	0.5800	6.8966%	2.6202%	0.0150
01/07/2016	0.6100	0.6400	0.6300	0.6250	4.8000%	7.4724%	0.0450
04/07/2016	0.6100	0.6700	0.6600	0.6400	9.3750%	2.3717%	0.0150
05/07/2016	0.6300	0.6700	0.6500	0.6500	6.1538%	1.5504%	0.0100
06/07/2016	0.6300	0.6700	0.6500	0.6500	6.1538%	0.0000%	0.0000
07/07/2016	0.6300	0.6700	0.6500	0.6500	6.1538%	0.0000%	0.0000
08/07/2016	0.6300	0.6800	0.6600	0.6550	7.6336%	0.7663%	0.0050
11/07/2016	0.6400	0.6700	0.6600	0.6550	4.5802%	0.0000%	0.0000
12/07/2016	0.6600	0.6900	0.6800	0.6750	4.4444%	3.0077%	0.0200
13/07/2016	0.6500	0.6800	0.6700	0.6650	4.5113%	-1.4926%	-0.0100
14/07/2016	0.6700	0.6800	0.6700	0.6750	1.4815%	1.4926%	0.0100
15/07/2016	0.6600	0.7000	0.6900	0.6800	5.8824%	0.7380%	0.0050
18/07/2016	0.6700	0.6900	0.6800	0.6800	2.9412%	0.0000%	0.0000
19/07/2016	0.6700	0.7000	0.6900	0.6850	4.3796%	0.7326%	0.0050
20/07/2016	0.6400	0.6700	0.6500	0.6550	4.5802%	-4.4784%	-0.0300
21/07/2016	0.6500	0.6900	0.6800	0.6700	5.9701%	2.2642%	0.0150
22/07/2016	0.6500	0.6700	0.6600	0.6600	3.0303%	-1.5038%	-0.0100
25/07/2016	0.6500	0.6700	0.6600	0.6600	3.0303%	0.0000%	0.0000
26/07/2016	0.6500	0.6800	0.6700	0.6650	4.5113%	0.7547%	0.0050
27/07/2016	0.6500	0.7000	0.6700	0.6750	7.4074%	1.4926%	0.0100
01/08/2016	0.6600	0.7000	0.6800	0.6800	5.8824%	0.7380%	0.0050
02/08/2016	0.6700	0.7000	0.6800	0.6850	4.3796%	0.7326%	0.0050
03/08/2016	0.6700	0.7000	0.6700	0.6850	4.3796%	0.0000%	0.0000
04/08/2016	0.6600	0.6900	0.6800	0.6750	4.4444%	-1.4706%	-0.0100
05/08/2016	0.6600	0.6900	0.6700	0.6750	4.4444%	0.0000%	0.0000
08/08/2016	0.6700	0.6800	0.6800	0.6750	1.4815%	0.0000%	0.0000
09/08/2016	0.6700	0.6900	0.6800	0.6800	2.9412%	0.7380%	0.0050
10/08/2016	0.6800	0.6900	0.6800	0.6850	1.4599%	0.7326%	0.0050
11/08/2016	0.6700	0.6900	0.6900	0.6800	2.9412%	-0.7326%	-0.0050
12/08/2016	0.6700	0.6900	0.6800	0.6800	2.9412%	0.0000%	0.0000
15/08/2016	0.6600	0.6900	0.6700	0.6750	4.4444%	-0.7380%	-0.0050
16/08/2016	0.6600	0.6800	0.6700	0.6700	2.9851%	-0.7435%	-0.0050
17/08/2016	0.6600	0.6800	0.6600	0.6700	2.9851%	0.0000%	0.0000

18/08/2016	0.6600	0.6800	0.6700	0.6700	2.9851%	0.0000%	0.0000
19/08/2016	0.6500	0.6700	0.6600	0.6600	3.0303%	-1.5038%	-0.0100
22/08/2016	0.6400	0.6600	0.6500	0.6500	3.0769%	-1.5267%	-0.0100
23/08/2016	0.6400	0.6700	0.6600	0.6550	4.5802%	0.7663%	0.0050
24/08/2016	0.6100	0.6400	0.6300	0.6250	4.8000%	-4.6884%	-0.0300
25/08/2016	0.6100	0.6500	0.6300	0.6300	6.3492%	0.7968%	0.0050
26/08/2016	0.6100	0.6500	0.6300	0.6300	6.3492%	0.0000%	0.0000
29/08/2016	0.6100	0.6500	0.6200	0.6300	6.3492%	0.0000%	0.0000
31/08/2016	0.6100	0.6600	0.6500	0.6350	7.8740%	0.7905%	0.0050
01/09/2016	0.6100	0.6600	0.6400	0.6350	7.8740%	0.0000%	0.0000
02/09/2016	0.6400	0.6600	0.6500	0.6500	3.0769%	2.3347%	0.0150
05/09/2016	0.6400	0.6700	0.6600	0.6550	4.5802%	0.7663%	0.0050
06/09/2016	0.6500	0.6800	0.6700	0.6650	4.5113%	1.5152%	0.0100
07/09/2016	0.6500	0.6800	0.6700	0.6650	4.5113%	0.0000%	0.0000
08/09/2016	0.6500	0.6800	0.6600	0.6650	4.5113%	0.0000%	0.0000
09/09/2016	0.6200	0.6500	0.6400	0.6350	4.7244%	-4.6162%	-0.0300
12/09/2016	0.6200	0.6500	0.6400	0.6350	4.7244%	0.0000%	0.0000
13/09/2016	0.6200	0.6500	0.6300	0.6350	4.7244%	0.0000%	0.0000
14/09/2016	0.6300	0.6500	0.6400	0.6400	3.1250%	0.7843%	0.0050
15/09/2016	0.6200	0.6500	0.6300	0.6350	4.7244%	-0.7843%	-0.0050
16/09/2016	0.6200	0.6500	0.6400	0.6350	4.7244%	0.0000%	0.0000
19/09/2016	0.6300	0.6500	0.6400	0.6400	3.1250%	0.7843%	0.0050
20/09/2016	0.6200	0.6500	0.6400	0.6350	4.7244%	-0.7843%	-0.0050
21/09/2016	0.6300	0.6500	0.6400	0.6400	3.1250%	0.7843%	0.0050
22/09/2016	0.6300	0.6500	0.6400	0.6400	3.1250%	0.0000%	0.0000
23/09/2016	0.6200	0.6500	0.6300	0.6350	4.7244%	-0.7843%	-0.0050
26/09/2016	0.6200	0.6400	0.6300	0.6300	3.1746%	-0.7905%	-0.0050
27/09/2016	0.6200	0.6400	0.6200	0.6300	3.1746%	0.0000%	0.0000
28/09/2016	0.6100	0.6200	0.6200	0.6150	1.6260%	-2.4098%	-0.0150
29/09/2016	0.6100	0.6300	0.6200	0.6200	3.2258%	0.8097%	0.0050
30/09/2016	0.6200	0.6300	0.6200	0.6250	1.6000%	0.8032%	0.0050
03/10/2016	0.6100	0.6300	0.6200	0.6200	3.2258%	-0.8032%	-0.0050
04/10/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	-3.2790%	-0.0200
05/10/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	0.0000%	0.0000
06/10/2016	0.5800	0.6000	0.5900	0.5900	3.3898%	-1.6807%	-0.0100
07/10/2016	0.6000	0.6200	0.6100	0.6100	3.2787%	3.3336%	0.0200
10/10/2016	0.6000	0.6200	0.6100	0.6100	3.2787%	0.0000%	0.0000
11/10/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	-1.6529%	-0.0100
12/10/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	0.0000%	0.0000
13/10/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	0.0000%	0.0000
14/10/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	0.0000%	0.0000
17/10/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	0.0000%	0.0000
18/10/2016	0.6100	0.6300	0.6200	0.6200	3.2258%	3.2790%	0.0200
19/10/2016	0.6200	0.6400	0.6400	0.6300	3.1746%	1.6000%	0.0100
20/10/2016	0.6200	0.6400	0.6300	0.6300	3.1746%	0.0000%	0.0000
21/10/2016	0.6000	0.6300	0.6200	0.6150	4.8780%	-2.4098%	-0.0150

24/10/2016	0.6000	0.6200	0.6200	0.6100	3.2787%	-0.8163%	-0.0050
25/10/2016	0.6100	0.6400	0.6200	0.6250	4.8000%	2.4293%	0.0150
26/10/2016	0.6100	0.6300	0.6200	0.6200	3.2258%	-0.8032%	-0.0050
27/10/2016	0.6100	0.6300	0.6200	0.6200	3.2258%	0.0000%	0.0000
28/10/2016	0.6100	0.6300	0.6200	0.6200	3.2258%	0.0000%	0.0000
31/10/2016	0.6100	0.6300	0.6200	0.6200	3.2258%	0.0000%	0.0000
02/11/2016	0.5900	0.6100	0.6000	0.6000	3.3333%	-3.2790%	-0.0200
03/11/2016	0.6000	0.6200	0.6100	0.6100	3.2787%	1.6529%	0.0100
04/11/2016	0.6100	0.6200	0.6100	0.6150	1.6260%	0.8163%	0.0050
07/11/2016	0.5900	0.6200	0.6100	0.6050	4.9587%	-1.6394%	-0.0100
08/11/2016	0.6000	0.6200	0.6100	0.6100	3.2787%	0.8230%	0.0050
09/11/2016	0.5800	0.6000	0.5900	0.5900	3.3898%	-3.3336%	-0.0200
10/11/2016	0.6300	0.6500	0.6400	0.6400	3.1250%	8.1346%	0.0500
11/11/2016	0.6200	0.6500	0.6300	0.6350	4.7244%	-0.7843%	-0.0050
14/11/2016	0.6400	0.6800	0.6700	0.6600	6.0606%	3.8615%	0.0250
15/11/2016	0.6300	0.6700	0.6400	0.6500	6.1538%	-1.5267%	-0.0100
16/11/2016	0.6300	0.6700	0.6500	0.6500	6.1538%	0.0000%	0.0000
21/11/2016	0.6200	0.6500	0.6300	0.6350	4.7244%	-2.3347%	-0.0150
22/11/2016	0.6200	0.6400	0.6300	0.6300	3.1746%	-0.7905%	-0.0050
23/11/2016	0.6300	0.6500	0.6400	0.6400	3.1250%	1.5748%	0.0100
24/11/2016	0.6500	0.6800	0.6700	0.6650	4.5113%	3.8319%	0.0250
25/11/2016	0.6600	0.7000	0.6800	0.6800	5.8824%	2.2306%	0.0150
28/11/2016	0.6800	0.7000	0.7000	0.6900	2.8986%	1.4599%	0.0100
29/11/2016	0.6800	0.7000	0.7000	0.6900	2.8986%	0.0000%	0.0000
30/11/2016	0.6700	0.7000	0.6800	0.6850	4.3796%	-0.7273%	-0.0050
01/12/2016	0.6800	0.7000	0.7000	0.6900	2.8986%	0.7273%	0.0050
02/12/2016	0.6800	0.7000	0.7000	0.6900	2.8986%	0.0000%	0.0000
05/12/2016	0.6900	0.7000	0.7000	0.6950	1.4388%	0.7220%	0.0050
06/12/2016	0.6900	0.7000	0.6900	0.6950	1.4388%	0.0000%	0.0000
07/12/2016	0.7000	0.7100	0.7100	0.7050	1.4184%	1.4286%	0.0100
09/12/2016	0.7000	0.7200	0.7200	0.7100	2.8169%	0.7067%	0.0050
12/12/2016	0.7500	0.7600	0.7500	0.7550	1.3245%	6.1453%	0.0450
13/12/2016	0.7300	0.7500	0.7500	0.7400	2.7027%	-2.0068%	-0.0150
14/12/2016	0.7300	0.7500	0.7500	0.7400	2.7027%	0.0000%	0.0000
15/12/2016	0.7100	0.7400	0.7300	0.7250	4.1379%	-2.0479%	-0.0150
16/12/2016	0.7100	0.7300	0.7200	0.7200	2.7778%	-0.6920%	-0.0050
19/12/2016	0.7000	0.7100	0.7100	0.7050	1.4184%	-2.1053%	-0.0150
20/12/2016	0.7000	0.7200	0.7100	0.7100	2.8169%	0.7067%	0.0050
21/12/2016	0.7200	0.7400	0.7300	0.7300	2.7397%	2.7780%	0.0200
22/12/2016	0.7200	0.7500	0.7300	0.7350	4.0816%	0.6826%	0.0050
23/12/2016	0.7200	0.7500	0.7300	0.7350	4.0816%	0.0000%	0.0000
26/12/2016	0.7200	0.7500	0.7300	0.7350	4.0816%	0.0000%	0.0000
27/12/2016	0.7200	0.7400	0.7300	0.7300	2.7397%	-0.6826%	-0.0050
28/12/2016	0.7200	0.7500	0.7400	0.7350	4.0816%	0.6826%	0.0050
29/12/2016	0.7200	0.7500	0.7300	0.7350	4.0816%	0.0000%	0.0000
30/12/2016	0.7100	0.7400	0.7200	0.7250	4.1379%	-1.3699%	-0.0100

02/01/2017	0.7200	0.7300	0.7200	0.7250	1.3793%	0.0000%	0.0000
03/01/2017	0.7400	0.7600	0.7500	0.7500	2.6667%	3.3902%	0.0250
04/01/2017	0.7500	0.7700	0.7600	0.7600	2.6316%	1.3245%	0.0100
05/01/2017	0.7500	0.7700	0.7600	0.7600	2.6316%	0.0000%	0.0000
06/01/2017	0.7400	0.7700	0.7600	0.7550	3.9735%	-0.6601%	-0.0050
09/01/2017	0.7500	0.7600	0.7600	0.7550	1.3245%	0.0000%	0.0000
10/01/2017	0.7600	0.7800	0.7700	0.7700	2.5974%	1.9673%	0.0150
11/01/2017	0.7600	0.7800	0.7700	0.7700	2.5974%	0.0000%	0.0000
12/01/2017	0.7600	0.7900	0.7800	0.7750	3.8710%	0.6473%	0.0050
13/01/2017	0.8000	0.8700	0.8100	0.8350	8.3832%	7.4569%	0.0600
16/01/2017	0.8000	0.8300	0.8100	0.8150	3.6810%	-2.4244%	-0.0200
17/01/2017	0.7900	0.8100	0.8100	0.8000	2.5000%	-1.8576%	-0.0150
18/01/2017	0.7900	0.8100	0.8000	0.8000	2.5000%	0.0000%	0.0000
19/01/2017	0.7900	0.8000	0.7900	0.7950	1.2579%	-0.6270%	-0.0050
20/01/2017	0.7900	0.8100	0.8000	0.8000	2.5000%	0.6270%	0.0050
23/01/2017	0.7900	0.8100	0.8100	0.8000	2.5000%	0.0000%	0.0000
24/01/2017	0.8100	0.8600	0.8400	0.8350	5.9880%	4.2820%	0.0350
25/01/2017	0.8100	0.8400	0.8300	0.8250	3.6364%	-1.2048%	-0.0100
26/01/2017	0.8100	0.8500	0.8300	0.8300	4.8193%	0.6042%	0.0050
27/01/2017	0.8100	0.8200	0.8100	0.8150	1.2270%	-1.8238%	-0.0150
30/01/2017	0.8000	0.8200	0.8100	0.8100	2.4691%	-0.6154%	-0.0050
31/01/2017	0.8000	0.8200	0.8200	0.8100	2.4691%	0.0000%	0.0000
01/02/2017	0.8100	0.8300	0.8200	0.8200	2.4390%	1.2270%	0.0100
02/02/2017	0.8100	0.8300	0.8200	0.8200	2.4390%	0.0000%	0.0000
03/02/2017	0.8400	0.8600	0.8500	0.8500	2.3529%	3.5932%	0.0300
06/02/2017	0.8300	0.8600	0.8400	0.8450	3.5503%	-0.5900%	-0.0050
07/02/2017	0.8300	0.8600	0.8500	0.8450	3.5503%	0.0000%	0.0000
08/02/2017	0.8300	0.8900	0.8900	0.8600	6.9767%	1.7596%	0.0150
09/02/2017	0.8600	0.8900	0.8800	0.8750	3.4286%	1.7291%	0.0150
10/02/2017	0.8900	0.9400	0.9100	0.9150	5.4645%	4.4700%	0.0400
13/02/2017	0.9300	0.9500	0.9400	0.9400	2.1277%	2.6956%	0.0250
14/02/2017	0.8700	0.9400	0.9000	0.9050	7.7348%	-3.7945%	-0.0350
15/02/2017	0.8700	0.9100	0.8900	0.8900	4.4944%	-1.6713%	-0.0150
16/02/2017	0.8500	0.8700	0.8500	0.8600	2.3256%	-3.4289%	-0.0300
17/02/2017	0.8200	0.8700	0.8600	0.8450	5.9172%	-1.7596%	-0.0150
20/02/2017	0.8200	0.8800	0.8700	0.8500	7.0588%	0.5900%	0.0050
21/02/2017	0.8400	0.8700	0.8500	0.8550	3.5088%	0.5865%	0.0050
22/02/2017	0.8600	0.9000	0.8700	0.8800	4.5455%	2.8820%	0.0250
23/02/2017	0.8500	0.9000	0.8700	0.8750	5.7143%	-0.5698%	-0.0050
24/02/2017	0.8500	0.8900	0.8600	0.8700	4.5977%	-0.5731%	-0.0050
27/02/2017	0.8300	0.9000	0.8500	0.8650	8.0925%	-0.5764%	-0.0050
28/02/2017	0.8400	0.8600	0.8400	0.8500	2.3529%	-1.7493%	-0.0150
01/03/2017	0.8400	0.8800	0.8500	0.8600	4.6512%	1.1696%	0.0100
02/03/2017	0.8000	0.8400	0.8100	0.8200	4.8780%	-4.7628%	-0.0400
03/03/2017	0.8100	0.8400	0.8300	0.8250	3.6364%	0.6079%	0.0050
06/03/2017	0.7900	0.8200	0.8000	0.8050	3.7267%	-2.4541%	-0.0200

07/03/2017	0.7700	0.8000	0.8000	0.7850	3.8217%	-2.5159%	-0.0200
08/03/2017	0.8200	0.8500	0.8400	0.8350	3.5928%	6.1748%	0.0500
09/03/2017	0.8100	0.8500	0.8400	0.8300	4.8193%	-0.6006%	-0.0050
10/03/2017	0.8000	0.8700	0.8600	0.8350	8.3832%	0.6006%	0.0050
13/03/2017	0.8100	0.8700	0.8600	0.8400	7.1429%	0.5970%	0.0050
14/03/2017	0.8000	0.8800	0.8500	0.8400	9.5238%	0.0000%	0.0000
15/03/2017	0.8000	0.9100	0.9000	0.8550	12.8655%	1.7700%	0.0150
16/03/2017	0.9000	0.9500	0.9400	0.9250	5.4054%	7.8692%	0.0700
17/03/2017	0.9000	0.9300	0.9300	0.9150	3.2787%	-1.0870%	-0.0100
20/03/2017	0.8800	0.9300	0.9100	0.9050	5.5249%	-1.0989%	-0.0100
21/03/2017	0.8500	0.8900	0.8700	0.8700	4.5977%	-3.9442%	-0.0350
22/03/2017	0.8200	0.8900	0.8300	0.8550	8.1871%	-1.7392%	-0.0150
23/03/2017	0.8200	0.8900	0.8400	0.8550	8.1871%	0.0000%	0.0000
24/03/2017	0.8300	0.8900	0.8400	0.8600	6.9767%	0.5831%	0.0050
27/03/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	-2.3530%	-0.0200
28/03/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	0.0000%	0.0000
29/03/2017	0.8400	0.8900	0.8600	0.8650	5.7803%	2.9328%	0.0250
30/03/2017	0.8400	0.8900	0.8800	0.8650	5.7803%	0.0000%	0.0000
31/03/2017	0.8400	0.9000	0.8800	0.8700	6.8966%	0.5764%	0.0050
03/04/2017	0.8400	0.8800	0.8600	0.8600	4.6512%	-1.1561%	-0.0100
04/04/2017	0.8400	0.8900	0.8900	0.8650	5.7803%	0.5797%	0.0050
05/04/2017	0.9000	0.9100	0.9100	0.9050	1.1050%	4.5205%	0.0400
06/04/2017	0.8900	0.9100	0.9000	0.9000	2.2222%	-0.5540%	-0.0050
07/04/2017	0.8900	0.9000	0.9000	0.8950	1.1173%	-0.5571%	-0.0050
10/04/2017	0.8600	0.9000	0.8700	0.8800	4.5455%	-1.6902%	-0.0150
11/04/2017	0.8500	0.9000	0.8700	0.8750	5.7143%	-0.5698%	-0.0050
12/04/2017	0.8400	0.9000	0.8700	0.8700	6.8966%	-0.5731%	-0.0050
17/04/2017	0.8600	0.9000	0.8700	0.8800	4.5455%	1.1429%	0.0100
18/04/2017	0.8300	0.8600	0.8400	0.8450	3.5503%	-4.0585%	-0.0350
19/04/2017	0.8400	0.8500	0.8500	0.8450	1.1834%	0.0000%	0.0000
20/04/2017	0.8600	0.8700	0.8700	0.8650	1.1561%	2.3393%	0.0200
21/04/2017	0.8500	0.8800	0.8700	0.8650	3.4682%	0.0000%	0.0000
24/04/2017	0.8500	0.8700	0.8700	0.8600	2.3256%	-0.5797%	-0.0050
25/04/2017	0.8500	0.8700	0.8600	0.8600	2.3256%	0.0000%	0.0000
26/04/2017	0.8600	0.9000	0.8800	0.8800	4.5455%	2.2990%	0.0200
27/04/2017	0.8600	0.8800	0.8800	0.8700	2.2989%	-1.1429%	-0.0100
28/04/2017	0.8400	0.9000	0.8600	0.8700	6.8966%	0.0000%	0.0000
02/05/2017	0.8400	0.8700	0.8500	0.8550	3.5088%	-1.7392%	-0.0150
03/05/2017	0.8300	0.8700	0.8600	0.8500	4.7059%	-0.5865%	-0.0050
04/05/2017	0.8400	0.8700	0.8500	0.8550	3.5088%	0.5865%	0.0050
05/05/2017	0.8300	0.8700	0.8400	0.8500	4.7059%	-0.5865%	-0.0050
08/05/2017	0.8300	0.8400	0.8300	0.8350	1.1976%	-1.7805%	-0.0150
09/05/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	0.5970%	0.0050
10/05/2017	0.8100	0.8400	0.8200	0.8250	3.6364%	-1.8019%	-0.0150
11/05/2017	0.8000	0.8400	0.8200	0.8200	4.8780%	-0.6079%	-0.0050
12/05/2017	0.8000	0.8400	0.8200	0.8200	4.8780%	0.0000%	0.0000

15/05/2017	0.8000	0.8500	0.8200	0.8250	6.0606%	0.6079%	0.0050
16/05/2017	0.8000	0.8600	0.8500	0.8300	7.2289%	0.6042%	0.0050
17/05/2017	0.8000	0.8700	0.8600	0.8350	8.3832%	0.6006%	0.0050
18/05/2017	0.8000	0.8300	0.8200	0.8150	3.6810%	-2.4244%	-0.0200
19/05/2017	0.8200	0.8700	0.8500	0.8450	5.9172%	3.6149%	0.0300
22/05/2017	0.8200	0.8700	0.8400	0.8450	5.9172%	0.0000%	0.0000
23/05/2017	0.8200	0.8500	0.8300	0.8350	3.5928%	-1.1905%	-0.0100
24/05/2017	0.8200	0.8500	0.8300	0.8350	3.5928%	0.0000%	0.0000
25/05/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	0.5970%	0.0050
26/05/2017	0.8300	0.8600	0.8500	0.8450	3.5503%	0.5935%	0.0050
29/05/2017	0.8400	0.8700	0.8600	0.8550	3.5088%	1.1765%	0.0100
30/05/2017	0.8400	0.8700	0.8500	0.8550	3.5088%	0.0000%	0.0000
31/05/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	-1.7700%	-0.0150
01/06/2017	0.8200	0.8500	0.8400	0.8350	3.5928%	-0.5970%	-0.0050
02/06/2017	0.8200	0.8600	0.8500	0.8400	4.7619%	0.5970%	0.0050
05/06/2017	0.8100	0.8300	0.8200	0.8200	2.4390%	-2.4098%	-0.0200
06/06/2017	0.7900	0.8200	0.8100	0.8050	3.7267%	-1.8462%	-0.0150
07/06/2017	0.7800	0.8200	0.8000	0.8000	5.0000%	-0.6231%	-0.0050
08/06/2017	0.8000	0.8300	0.8100	0.8150	3.6810%	1.8576%	0.0150
09/06/2017	0.8000	0.8300	0.8200	0.8150	3.6810%	0.0000%	0.0000
12/06/2017	0.8000	0.8300	0.8100	0.8150	3.6810%	0.0000%	0.0000
13/06/2017	0.7800	0.8100	0.8000	0.7950	3.7736%	-2.4846%	-0.0200
14/06/2017	0.8000	0.8200	0.8000	0.8100	2.4691%	1.8692%	0.0150
15/06/2017	0.7700	0.8200	0.7800	0.7950	6.2893%	-1.8692%	-0.0150
16/06/2017	0.7500	0.8100	0.7600	0.7800	7.6923%	-1.9048%	-0.0150
19/06/2017	0.7600	0.7800	0.7700	0.7700	2.5974%	-1.2903%	-0.0100
20/06/2017	0.7500	0.7800	0.7600	0.7650	3.9216%	-0.6515%	-0.0050
21/06/2017	0.7600	0.7900	0.7900	0.7750	3.8710%	1.2987%	0.0100
22/06/2017	0.7600	0.8000	0.7800	0.7800	5.1282%	0.6431%	0.0050
23/06/2017	0.7600	0.8000	0.7900	0.7800	5.1282%	0.0000%	0.0000
26/06/2017	0.7600	0.8100	0.8000	0.7850	6.3694%	0.6390%	0.0050
27/06/2017	0.7600	0.8300	0.8200	0.7950	8.8050%	1.2658%	0.0100
28/06/2017	0.7600	0.8300	0.8100	0.7950	8.8050%	0.0000%	0.0000
30/06/2017	0.8200	0.8400	0.8300	0.8300	2.4096%	4.3084%	0.0350
03/07/2017	0.8100	0.8400	0.8300	0.8250	3.6364%	-0.6042%	-0.0050
04/07/2017	0.8100	0.8400	0.8300	0.8250	3.6364%	0.0000%	0.0000
05/07/2017	0.8100	0.8300	0.8300	0.8200	2.4390%	-0.6079%	-0.0050
06/07/2017	0.8000	0.8300	0.8100	0.8150	3.6810%	-0.6116%	-0.0050
07/07/2017	0.7800	0.8300	0.8100	0.8050	6.2112%	-1.2346%	-0.0100
10/07/2017	0.7800	0.8300	0.8100	0.8050	6.2112%	0.0000%	0.0000
11/07/2017	0.7800	0.8400	0.8300	0.8100	7.4074%	0.6192%	0.0050
12/07/2017	0.8000	0.8300	0.8300	0.8150	3.6810%	0.6154%	0.0050
13/07/2017	0.8200	0.8400	0.8400	0.8300	2.4096%	1.8238%	0.0150
14/07/2017	0.8300	0.8500	0.8300	0.8400	2.3810%	1.1976%	0.0100
17/07/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	0.0000%	0.0000
18/07/2017	0.8200	0.8500	0.8400	0.8350	3.5928%	-0.5970%	-0.0050

19/07/2017	0.8400	0.8600	0.8500	0.8500	2.3529%	1.7805%	0.0150
20/07/2017	0.8500	0.8800	0.8700	0.8650	3.4682%	1.7493%	0.0150
21/07/2017	0.8600	0.8900	0.8800	0.8750	3.4286%	1.1494%	0.0100
24/07/2017	0.8500	0.8800	0.8700	0.8650	3.4682%	-1.1494%	-0.0100
25/07/2017	0.8500	0.8900	0.8700	0.8700	4.5977%	0.5764%	0.0050
26/07/2017	0.8500	0.8900	0.8800	0.8700	4.5977%	0.0000%	0.0000
27/07/2017	0.8500	0.8900	0.8900	0.8700	4.5977%	0.0000%	0.0000
31/07/2017	0.8400	0.8600	0.8500	0.8500	2.3529%	-2.3257%	-0.0200
01/08/2017	0.8400	0.8800	0.8600	0.8600	4.6512%	1.1696%	0.0100
02/08/2017	0.8400	0.8600	0.8600	0.8500	2.3529%	-1.1696%	-0.0100
03/08/2017	0.8400	0.8600	0.8500	0.8500	2.3529%	0.0000%	0.0000
04/08/2017	0.8200	0.8400	0.8400	0.8300	2.4096%	-2.3811%	-0.0200
07/08/2017	0.8200	0.8400	0.8300	0.8300	2.4096%	0.0000%	0.0000
08/08/2017	0.8300	0.8400	0.8400	0.8350	1.1976%	0.6006%	0.0050
09/08/2017	0.8300	0.8500	0.8500	0.8400	2.3810%	0.5970%	0.0050
10/08/2017	0.8300	0.8500	0.8300	0.8400	2.3810%	0.0000%	0.0000
11/08/2017	0.8200	0.8500	0.8500	0.8350	3.5928%	-0.5970%	-0.0050
14/08/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	0.5970%	0.0050
15/08/2017	0.8300	0.8500	0.8400	0.8400	2.3810%	0.0000%	0.0000
16/08/2017	0.8600	0.8900	0.8800	0.8750	3.4286%	4.0822%	0.0350
17/08/2017	0.8600	0.9000	0.8900	0.8800	4.5455%	0.5698%	0.0050
18/08/2017	0.8600	0.9100	0.9000	0.8850	5.6497%	0.5666%	0.0050
21/08/2017	0.8800	0.9200	0.9100	0.9000	4.4444%	1.6807%	0.0150
22/08/2017	0.8800	0.9200	0.9100	0.9000	4.4444%	0.0000%	0.0000
23/08/2017	0.8700	0.9100	0.8800	0.8900	4.4944%	-1.1173%	-0.0100
24/08/2017	0.8600	0.9200	0.9100	0.8900	6.7416%	0.0000%	0.0000
25/08/2017	0.8800	0.9100	0.8900	0.8950	3.3520%	0.5602%	0.0050
28/08/2017	0.8800	0.9200	0.9100	0.9000	4.4444%	0.5571%	0.0050
29/08/2017	0.8900	0.9200	0.9000	0.9050	3.3149%	0.5540%	0.0050
31/08/2017	0.8900	0.9300	0.9300	0.9100	4.3956%	0.5510%	0.0050
01/09/2017	0.8900	0.9800	0.9600	0.9350	9.6257%	2.7102%	0.0250
04/09/2017	0.9600	1.0000	0.9700	0.9800	4.0816%	4.7006%	0.0450
05/09/2017	0.8900	0.9700	0.9600	0.9300	8.6022%	-5.2368%	-0.0500
06/09/2017	0.9100	0.9800	0.9600	0.9450	7.4074%	1.6000%	0.0150
07/09/2017	0.9600	1.0000	0.9800	0.9800	4.0816%	3.6368%	0.0350
08/09/2017	0.9500	0.9800	0.9700	0.9650	3.1088%	-1.5424%	-0.0150
11/09/2017	0.9600	0.9800	0.9700	0.9700	2.0619%	0.5168%	0.0050
12/09/2017	0.9100	0.9800	0.9600	0.9450	7.4074%	-2.6111%	-0.0250
13/09/2017	0.9300	0.9800	0.9500	0.9550	5.2356%	1.0526%	0.0100
14/09/2017	0.9200	0.9500	0.9400	0.9350	3.2086%	-2.1165%	-0.0200
15/09/2017	0.9200	0.9500	0.9400	0.9350	3.2086%	0.0000%	0.0000
18/09/2017	0.9300	0.9400	0.9400	0.9350	1.0695%	0.0000%	0.0000
19/09/2017	0.9400	0.9800	0.9700	0.9600	4.1667%	2.6387%	0.0250
20/09/2017	0.9400	0.9800	0.9600	0.9600	4.1667%	0.0000%	0.0000
21/09/2017	0.9400	0.9800	0.9600	0.9600	4.1667%	0.0000%	0.0000
22/09/2017	0.9400	0.9800	0.9700	0.9600	4.1667%	0.0000%	0.0000

25/09/2017	0.9800	1.0100	0.9900	0.9950	3.0151%	3.5809%	0.0350
26/09/2017	0.9800	1.0200	1.0000	1.0000	4.0000%	0.5013%	0.0050
27/09/2017	1.0000	1.0700	1.0500	1.0350	6.7633%	3.4401%	0.0350
28/09/2017	1.0000	1.1500	1.1200	1.0750	13.9535%	3.7919%	0.0400
29/09/2017	1.1700	1.2500	1.1700	1.2100	6.6116%	11.8300%	0.1350
02/10/2017	1.1400	1.3000	1.2300	1.2200	13.1148%	0.8230%	0.0100
04/10/2017	1.3000	1.5000	1.3500	1.4000	14.2857%	13.7621%	0.1800
05/10/2017	1.3500	1.5000	1.4800	1.4250	10.5263%	1.7700%	0.0250
06/10/2017	1.4000	1.5000	1.4200	1.4500	6.8966%	1.7392%	0.0250
09/10/2017	1.3500	1.5000	1.4000	1.4250	10.5263%	-1.7392%	-0.0250
10/10/2017	1.3900	1.5000	1.4000	1.4450	7.6125%	1.3938%	0.0200
11/10/2017	1.4000	1.5000	1.4200	1.4500	6.8966%	0.3454%	0.0050
12/10/2017	1.4200	1.4400	1.4300	1.4300	1.3986%	-1.3889%	-0.0200
13/10/2017	1.3800	1.4500	1.4200	1.4150	4.9470%	-1.0545%	-0.0150
16/10/2017	1.3800	1.5000	1.4500	1.4400	8.3333%	1.7514%	0.0250
17/10/2017	1.4000	1.4600	1.4100	1.4300	4.1958%	-0.6969%	-0.0100
18/10/2017	1.4200	1.4400	1.4300	1.4300	1.3986%	0.0000%	0.0000
19/10/2017	1.4400	1.5000	1.4800	1.4700	4.0816%	2.7588%	0.0400
20/10/2017	1.4300	1.6000	1.5700	1.5150	11.2211%	3.0153%	0.0450
23/10/2017	1.4500	1.6700	1.6600	1.5600	14.1026%	2.9270%	0.0450
24/10/2017	1.4500	1.6600	1.6500	1.5550	13.5048%	-0.3210%	-0.0050
25/10/2017	1.6000	1.6500	1.6400	1.6250	3.0769%	4.4032%	0.0700
26/10/2017	1.5300	1.6500	1.6200	1.5900	7.5472%	-2.1774%	-0.0350
27/10/2017	1.5900	1.6500	1.6000	1.6200	3.7037%	1.8692%	0.0300
30/10/2017	1.5600	1.6500	1.6000	1.6050	5.6075%	-0.9302%	-0.0150
31/10/2017	1.5800	1.6200	1.6000	1.6000	2.5000%	-0.3120%	-0.0050
02/11/2017	1.5800	1.6200	1.6100	1.6000	2.5000%	0.0000%	0.0000
03/11/2017	1.5500	1.5600	1.5500	1.5550	0.6431%	-2.8528%	-0.0450
06/11/2017	1.4100	1.6000	1.4800	1.5050	12.6246%	-3.2683%	-0.0500
07/11/2017	1.4200	1.5000	1.4700	1.4600	5.4795%	-3.0356%	-0.0450
08/11/2017	1.4100	1.5000	1.4700	1.4550	6.1856%	-0.3431%	-0.0050
09/11/2017	1.3800	1.4500	1.4000	1.4150	4.9470%	-2.7876%	-0.0400
10/11/2017	1.3200	1.3500	1.3500	1.3350	2.2472%	-5.8198%	-0.0800
13/11/2017	1.2600	1.3500	1.3000	1.3050	6.8966%	-2.2728%	-0.0300
14/11/2017	1.2700	1.4000	1.2900	1.3350	9.7378%	2.2728%	0.0300
15/11/2017	1.2900	1.3500	1.3000	1.3200	4.5455%	-1.1300%	-0.0150
16/11/2017	1.2500	1.3500	1.3200	1.3000	7.6923%	-1.5267%	-0.0200
17/11/2017	1.3000	1.4000	1.3300	1.3500	7.4074%	3.7740%	0.0500
20/11/2017	1.2900	1.3500	1.3100	1.3200	4.5455%	-2.2473%	-0.0300
21/11/2017	1.3000	1.3400	1.3300	1.3200	3.0303%	0.0000%	0.0000
22/11/2017	1.3200	1.4000	1.3600	1.3600	5.8824%	2.9853%	0.0400
23/11/2017	1.3600	1.4500	1.3700	1.4050	6.4057%	3.2553%	0.0450
24/11/2017	1.3200	1.4500	1.3800	1.3850	9.3863%	-1.4337%	-0.0200
27/11/2017	1.3200	1.4500	1.3400	1.3850	9.3863%	0.0000%	0.0000
28/11/2017	1.3100	1.4500	1.3300	1.3800	10.1449%	-0.3617%	-0.0050
29/11/2017	1.3100	1.3800	1.3400	1.3450	5.2045%	-2.5689%	-0.0350

30/11/2017	1.3200	1.4500	1.3900	1.3850	9.3863%	2.9306%	0.0400
01/12/2017	1.3400	1.4000	1.4000	1.3700	4.3796%	-1.0889%	-0.0150
04/12/2017	1.3400	1.4000	1.3800	1.3700	4.3796%	0.0000%	0.0000
05/12/2017	1.3200	1.3800	1.3300	1.3500	4.4444%	-1.4706%	-0.0200
06/12/2017	1.2600	1.3700	1.2900	1.3150	8.3650%	-2.6268%	-0.0350
07/12/2017	1.2900	1.3800	1.3300	1.3350	6.7416%	1.5095%	0.0200
11/12/2017	1.3200	1.3800	1.3300	1.3500	4.4444%	1.1173%	0.0150
12/12/2017	1.2900	1.3800	1.3100	1.3350	6.7416%	-1.1173%	-0.0150
13/12/2017	1.2700	1.3800	1.3000	1.3250	8.3019%	-0.7519%	-0.0100
14/12/2017	1.2000	1.3800	1.2200	1.2900	13.9535%	-2.6770%	-0.0350
15/12/2017	1.1000	1.3800	1.1900	1.2400	22.5806%	-3.9531%	-0.0500
18/12/2017	1.1500	1.2500	1.2300	1.2000	8.3333%	-3.2790%	-0.0400
19/12/2017	1.1000	1.2200	1.2100	1.1600	10.3448%	-3.3902%	-0.0400
20/12/2017	1.1500	1.2500	1.2300	1.2000	8.3333%	3.3902%	0.0400
21/12/2017	1.1100	1.2900	1.2700	1.2000	15.0000%	0.0000%	0.0000
22/12/2017	1.1000	1.3900	1.3400	1.2450	23.2932%	3.6814%	0.0450
26/12/2017	1.2700	1.3700	1.2800	1.3200	7.5758%	5.8496%	0.0750
27/12/2017	1.2700	1.3700	1.2800	1.3200	7.5758%	0.0000%	0.0000
28/12/2017	1.2700	1.3900	1.3000	1.3300	9.0226%	0.7547%	0.0100
03/01/2018	1.3500	1.3700	1.3500	1.3600	1.4706%	2.2306%	0.0300
04/01/2018	1.3500	1.3900	1.3700	1.3700	2.9197%	0.7326%	0.0100
05/01/2018	1.3500	1.3800	1.3600	1.3650	2.1978%	-0.3656%	-0.0050
08/01/2018	1.3500	1.4000	1.3900	1.3750	3.6364%	0.7299%	0.0100
09/01/2018	1.3700	1.4500	1.4200	1.4100	5.6738%	2.5136%	0.0350
10/01/2018	1.3700	1.4300	1.4100	1.4000	4.2857%	-0.7117%	-0.0100
11/01/2018	1.3700	1.4300	1.4000	1.4000	4.2857%	0.0000%	0.0000
12/01/2018	1.3500	1.4300	1.4100	1.3900	5.7554%	-0.7168%	-0.0100
15/01/2018	1.3500	1.4400	1.4200	1.3950	6.4516%	0.3591%	0.0050
16/01/2018	1.3900	1.4200	1.4000	1.4050	2.1352%	0.7143%	0.0100
17/01/2018	1.3500	1.4200	1.3800	1.3850	5.0542%	-1.4337%	-0.0200
18/01/2018	1.3800	1.4200	1.4000	1.4000	2.8571%	1.0772%	0.0150
19/01/2018	1.3500	1.4000	1.4000	1.3750	3.6364%	-1.8019%	-0.0250
22/01/2018	1.3500	1.4000	1.3800	1.3750	3.6364%	0.0000%	0.0000
23/01/2018	1.3200	1.4000	1.3700	1.3600	5.8824%	-1.0969%	-0.0150
24/01/2018	1.3300	1.4000	1.3900	1.3650	5.1282%	0.3670%	0.0050
25/01/2018	1.3500	1.3900	1.3700	1.3700	2.9197%	0.3656%	0.0050
26/01/2018	1.3400	1.3900	1.3700	1.3650	3.6630%	-0.3656%	-0.0050
29/01/2018	1.3500	1.3900	1.3900	1.3700	2.9197%	0.3656%	0.0050
30/01/2018	1.3500	1.3900	1.3700	1.3700	2.9197%	0.0000%	0.0000
31/01/2018	1.3500	1.3900	1.3700	1.3700	2.9197%	0.0000%	0.0000
01/02/2018	1.3300	1.3600	1.3400	1.3450	2.2305%	-1.8417%	-0.0250
06/02/2018	1.2100	1.3700	1.2700	1.2900	12.4031%	-4.1752%	-0.0550
07/02/2018	1.2300	1.2800	1.2600	1.2550	3.9841%	-2.7507%	-0.0350
08/02/2018	1.2100	1.3500	1.2300	1.2800	10.9375%	1.9725%	0.0250
09/02/2018	1.1700	1.3500	1.2400	1.2600	14.2857%	-1.5748%	-0.0200
13/02/2018	1.0600	1.3500	1.1900	1.2050	24.0664%	-4.4632%	-0.0550

20/02/2018	1.1700	1.2100	1.2000	1.1900	3.3613%	-1.2526%	-0.0150
21/02/2018	1.1700	1.3500	1.1800	1.2600	14.2857%	5.7158%	0.0700
22/02/2018	1.1500	1.3500	1.1800	1.2500	16.0000%	-0.7968%	-0.0100
28/02/2018	1.1600	1.3200	1.2300	1.2400	12.9032%	-0.8032%	-0.0100
01/03/2018	1.1600	1.2400	1.2400	1.2000	6.6667%	-3.2790%	-0.0400
02/03/2018	1.1400	1.3400	1.2900	1.2400	16.1290%	3.2790%	0.0400
05/03/2018	1.2400	1.3400	1.2700	1.2900	7.7519%	3.9531%	0.0500
06/03/2018	1.2500	1.3000	1.2800	1.2750	3.9216%	-1.1696%	-0.0150
07/03/2018	1.2400	1.3000	1.2700	1.2700	4.7244%	-0.3929%	-0.0050
08/03/2018	1.1400	1.2700	1.2300	1.2050	10.7884%	-5.2537%	-0.0650
09/03/2018	1.2000	1.2900	1.2200	1.2450	7.2289%	3.2656%	0.0400
12/03/2018	1.1800	1.3000	1.2000	1.2400	9.6774%	-0.4024%	-0.0050
13/03/2018	1.1500	1.3000	1.1900	1.2250	12.2449%	-1.2171%	-0.0150
14/03/2018	1.1500	1.3000	1.1900	1.2250	12.2449%	0.0000%	0.0000
15/03/2018	1.1400	1.2500	1.1700	1.1950	9.2050%	-2.4795%	-0.0300
16/03/2018	1.1000	1.2300	1.1400	1.1650	11.1588%	-2.5425%	-0.0300
19/03/2018	1.1000	1.2500	1.1200	1.1750	12.7660%	0.8547%	0.0100
20/03/2018	1.1300	1.2500	1.1500	1.1900	10.0840%	1.2685%	0.0150
21/03/2018	1.1500	1.2500	1.2100	1.2000	8.3333%	0.8368%	0.0100
22/03/2018	1.1500	1.2500	1.2000	1.2000	8.3333%	0.0000%	0.0000
23/03/2018	1.1500	1.2500	1.2200	1.2000	8.3333%	0.0000%	0.0000
26/03/2018	1.1500	1.2500	1.2400	1.2000	8.3333%	0.0000%	0.0000
27/03/2018	1.1600	1.2500	1.2200	1.2050	7.4689%	0.4158%	0.0050
28/03/2018	1.1600	1.3000	1.2000	1.2300	11.3821%	2.0535%	0.0250
02/04/2018	1.1600	1.2000	1.1700	1.1800	3.3898%	-4.1500%	-0.0500
03/04/2018	1.1600	1.2000	1.2000	1.1800	3.3898%	0.0000%	0.0000
04/04/2018	1.1700	1.2500	1.1900	1.2100	6.6116%	2.5106%	0.0300
05/04/2018	1.1700	1.1900	1.1800	1.1800	1.6949%	-2.5106%	-0.0300
06/04/2018	1.1000	1.2000	1.1600	1.1500	8.6957%	-2.5752%	-0.0300
09/04/2018	1.1000	1.1400	1.1300	1.1200	3.5714%	-2.6433%	-0.0300
10/04/2018	1.1000	1.2000	1.1300	1.1500	8.6957%	2.6433%	0.0300
11/04/2018	1.1400	1.2000	1.1700	1.1700	5.1282%	1.7242%	0.0200
12/04/2018	1.1400	1.2500	1.1500	1.1950	9.2050%	2.1142%	0.0250
16/04/2018	1.1300	1.2500	1.1400	1.1900	10.0840%	-0.4193%	-0.0050
17/04/2018	1.1000	1.2500	1.1600	1.1750	12.7660%	-1.2685%	-0.0150
18/04/2018	1.1500	1.2000	1.1600	1.1750	4.2553%	0.0000%	0.0000
19/04/2018	1.1300	1.2500	1.1600	1.1900	10.0840%	1.2685%	0.0150
20/04/2018	1.1600	1.2100	1.1800	1.1850	4.2194%	-0.4211%	-0.0050
23/04/2018	1.1400	1.2000	1.1600	1.1700	5.1282%	-1.2739%	-0.0150
24/04/2018	1.1500	1.2000	1.1600	1.1750	4.2553%	0.4264%	0.0050
25/04/2018	1.1000	1.2000	1.1500	1.1500	8.6957%	-2.1506%	-0.0250
26/04/2018	1.1100	1.2000	1.1400	1.1550	7.7922%	0.4338%	0.0050
27/04/2018	1.1000	1.2000	1.1400	1.1500	8.6957%	-0.4338%	-0.0050
30/04/2018	1.1400	1.2000	1.1700	1.1700	5.1282%	1.7242%	0.0200
02/05/2018	1.1000	1.1700	1.1400	1.1350	6.1674%	-3.0371%	-0.0350
03/05/2018	1.1300	1.1700	1.1400	1.1500	3.4783%	1.3129%	0.0150

04/05/2018	1.1000	1.1700	1.1300	1.1350	6.1674%	-1.3129%	-0.0150
07/05/2018	1.0800	1.1100	1.1000	1.0950	2.7397%	-3.5878%	-0.0400
08/05/2018	1.0600	1.1000	1.0800	1.0800	3.7037%	-1.3793%	-0.0150
09/05/2018	1.0700	1.1000	1.0800	1.0850	2.7650%	0.4619%	0.0050
10/05/2018	1.0900	1.1200	1.1000	1.1050	2.7149%	1.8265%	0.0200
11/05/2018	1.0900	1.1700	1.1100	1.1300	7.0796%	2.2372%	0.0250
14/05/2018	1.0500	1.1000	1.0900	1.0750	4.6512%	-4.9897%	-0.0550
15/05/2018	1.0500	1.1000	1.0800	1.0750	4.6512%	0.0000%	0.0000
16/05/2018	1.0700	1.1000	1.0800	1.0850	2.7650%	0.9259%	0.0100
17/05/2018	1.0500	1.0900	1.0700	1.0700	3.7383%	-1.3921%	-0.0150
18/05/2018	1.0200	1.0800	1.0500	1.0500	5.7143%	-1.8868%	-0.0200
21/05/2018	1.0500	1.0900	1.0800	1.0700	3.7383%	1.8868%	0.0200
22/05/2018	1.0700	1.1700	1.0900	1.1200	8.9286%	4.5670%	0.0500
23/05/2018	1.0000	1.1700	1.0700	1.0850	15.6682%	-3.1749%	-0.0350
24/05/2018	1.0000	1.0700	1.0500	1.0350	6.7633%	-4.7179%	-0.0500
25/05/2018	1.0000	1.0800	1.0200	1.0400	7.6923%	0.4819%	0.0050
28/05/2018	1.0000	1.0800	1.0200	1.0400	7.6923%	0.0000%	0.0000
29/05/2018	1.0000	1.0800	1.0100	1.0400	7.6923%	0.0000%	0.0000
30/05/2018	0.9500	1.0100	0.9800	0.9800	6.1224%	-5.9423%	-0.0600
31/05/2018	0.9700	1.0100	0.9900	0.9900	4.0404%	1.0152%	0.0100
01/06/2018	0.9900	1.0100	1.0100	1.0000	2.0000%	1.0050%	0.0100
05/06/2018	1.0000	1.1500	1.0100	1.0750	13.9535%	7.2321%	0.0750
06/06/2018	1.0200	1.0500	1.0300	1.0350	2.8986%	-3.7919%	-0.0400
07/06/2018	0.9900	1.0500	1.0100	1.0200	5.8824%	-1.4599%	-0.0150
08/06/2018	0.9900	1.0500	1.0100	1.0200	5.8824%	0.0000%	0.0000
11/06/2018	1.0100	1.0400	1.0200	1.0250	2.9268%	0.4890%	0.0050
12/06/2018	0.9700	1.0400	1.0400	1.0050	6.9652%	-1.9705%	-0.0200
14/06/2018	0.9500	1.1000	1.0100	1.0250	14.6341%	1.9705%	0.0200
15/06/2018	0.9800	1.1000	1.0000	1.0400	11.5385%	1.4528%	0.0150
18/06/2018	0.9800	1.0000	0.9900	0.9900	2.0202%	-4.9271%	-0.0500
19/06/2018	0.9500	1.1000	0.9900	1.0250	14.6341%	3.4743%	0.0350
20/06/2018	0.9700	1.1000	1.0000	1.0350	12.5604%	0.9709%	0.0100
21/06/2018	0.9500	0.9800	0.9700	0.9650	3.1088%	-7.0029%	-0.0700
22/06/2018	0.9300	1.1000	0.9500	1.0150	16.7488%	5.0516%	0.0500
25/06/2018	0.8500	1.1000	0.9000	0.9750	25.6410%	-4.0206%	-0.0400
26/06/2018	0.8500	0.9500	0.8900	0.9000	11.1111%	-8.0043%	-0.0750
27/06/2018	0.8500	0.8900	0.8800	0.8700	4.5977%	-3.3902%	-0.0300
28/06/2018	0.8100	0.8300	0.8100	0.8200	2.4390%	-5.9189%	-0.0500
02/07/2018	0.7700	0.7800	0.7800	0.7750	1.2903%	-5.6441%	-0.0450
03/07/2018	0.7500	0.7600	0.7500	0.7550	1.3245%	-2.6145%	-0.0200
04/07/2018	0.7800	0.7900	0.7900	0.7850	1.2739%	3.8966%	0.0300
05/07/2018	0.7800	0.7900	0.7800	0.7850	1.2739%	0.0000%	0.0000
06/07/2018	0.8200	0.8400	0.8200	0.8300	2.4096%	5.5742%	0.0450
09/07/2018	0.8600	0.8700	0.8700	0.8650	1.1561%	4.1304%	0.0350
10/07/2018	0.8300	0.8400	0.8400	0.8350	1.1976%	-3.5298%	-0.0300
11/07/2018	0.7700	0.7800	0.7800	0.7750	1.2903%	-7.4569%	-0.0600

12/07/2018	0.8200	0.8300	0.8200	0.8250	1.2121%	6.2520%	0.0500
13/07/2018	0.8300	0.8400	0.8300	0.8350	1.1976%	1.2048%	0.0100
16/07/2018	0.8100	0.8200	0.8100	0.8150	1.2270%	-2.4244%	-0.0200
17/07/2018	0.8400	0.8500	0.8400	0.8450	1.1834%	3.6149%	0.0300
18/07/2018	0.8300	0.8500	0.8500	0.8400	2.3810%	-0.5935%	-0.0050
19/07/2018	0.8200	0.8400	0.8300	0.8300	2.4096%	-1.1976%	-0.0100
20/07/2018	0.8400	0.8600	0.8600	0.8500	2.3529%	2.3811%	0.0200
23/07/2018	0.8400	0.8500	0.8500	0.8450	1.1834%	-0.5900%	-0.0050
24/07/2018	0.8600	0.8700	0.8700	0.8650	1.1561%	2.3393%	0.0200
25/07/2018	0.8300	0.8500	0.8300	0.8400	2.3810%	-2.9328%	-0.0250
26/07/2018	0.8300	0.8500	0.8400	0.8400	2.3810%	0.0000%	0.0000
27/07/2018	0.8300	0.8400	0.8400	0.8350	1.1976%	-0.5970%	-0.0050
30/07/2018	0.8200	0.8400	0.8300	0.8300	2.4096%	-0.6006%	-0.0050
31/07/2018	0.8100	0.8300	0.8100	0.8200	2.4390%	-1.2121%	-0.0100
01/08/2018	0.7800	0.8000	0.7800	0.7900	2.5316%	-3.7271%	-0.0300
02/08/2018	0.7900	0.8000	0.7900	0.7950	1.2579%	0.6309%	0.0050
03/08/2018	0.8100	0.8200	0.8100	0.8150	1.2270%	2.4846%	0.0200
06/08/2018	0.7900	0.8000	0.8000	0.7950	1.2579%	-2.4846%	-0.0200
07/08/2018	0.8000	0.8100	0.8000	0.8050	1.2422%	1.2500%	0.0100
08/08/2018	0.8000	0.8200	0.8000	0.8100	2.4691%	0.6192%	0.0050
09/08/2018	0.7900	0.8000	0.7900	0.7950	1.2579%	-1.8692%	-0.0150
10/08/2018	0.7800	0.7900	0.7900	0.7850	1.2739%	-1.2658%	-0.0100
13/08/2018	0.7500	0.7600	0.7500	0.7550	1.3245%	-3.8966%	-0.0300
14/08/2018	0.7600	0.7700	0.7700	0.7650	1.3072%	1.3158%	0.0100
15/08/2018	0.7100	0.7200	0.7100	0.7150	1.3986%	-6.7593%	-0.0500
16/08/2018	0.7200	0.7300	0.7300	0.7250	1.3793%	1.3889%	0.0100
17/08/2018	0.7300	0.7400	0.7300	0.7350	1.3605%	1.3699%	0.0100
20/08/2018	0.7300	0.7400	0.7300	0.7350	1.3605%	0.0000%	0.0000
21/08/2018	0.7300	0.7400	0.7400	0.7350	1.3605%	0.0000%	0.0000
22/08/2018	0.7400	0.7600	0.7500	0.7500	2.6667%	2.0203%	0.0150
23/08/2018	0.7400	0.7500	0.7400	0.7450	1.3423%	-0.6689%	-0.0050
24/08/2018	0.8000	0.8200	0.8000	0.8100	2.4691%	8.3650%	0.0650
27/08/2018	0.8000	0.8100	0.8000	0.8050	1.2422%	-0.6192%	-0.0050
28/08/2018	0.7800	0.7900	0.7800	0.7850	1.2739%	-2.5159%	-0.0200
29/08/2018	0.7800	0.7900	0.7900	0.7850	1.2739%	0.0000%	0.0000
31/08/2018	0.7800	0.8200	0.8200	0.8000	5.0000%	1.8928%	0.0150
03/09/2018	0.8000	0.8100	0.8100	0.8050	1.2422%	0.6231%	0.0050
04/09/2018	0.7800	0.7900	0.7900	0.7850	1.2739%	-2.5159%	-0.0200
05/09/2018	0.7600	0.7700	0.7700	0.7650	1.3072%	-2.5808%	-0.0200
06/09/2018	0.7500	0.7700	0.7500	0.7600	2.6316%	-0.6557%	-0.0050
07/09/2018	0.7500	0.7700	0.7500	0.7600	2.6316%	0.0000%	0.0000
10/09/2018	0.7400	0.7600	0.7600	0.7500	2.6667%	-1.3245%	-0.0100
11/09/2018	0.7500	0.7600	0.7600	0.7550	1.3245%	0.6645%	0.0050
12/09/2018	0.7500	0.7600	0.7600	0.7550	1.3245%	0.0000%	0.0000
13/09/2018	0.7500	0.7700	0.7700	0.7600	2.6316%	0.6601%	0.0050
14/09/2018	0.7500	0.7600	0.7500	0.7550	1.3245%	-0.6601%	-0.0050

17/09/2018	0.7100	0.7200	0.7200	0.7150	1.3986%	-5.4435%	-0.0400
18/09/2018	0.7400	0.7500	0.7400	0.7450	1.3423%	4.1102%	0.0300
19/09/2018	0.7600	0.7700	0.7700	0.7650	1.3072%	2.6492%	0.0200
20/09/2018	0.7500	0.7600	0.7600	0.7550	1.3245%	-1.3158%	-0.0100
21/09/2018	0.7600	0.7800	0.7800	0.7700	2.5974%	1.9673%	0.0150
24/09/2018	0.7600	0.7700	0.7700	0.7650	1.3072%	-0.6515%	-0.0050
25/09/2018	0.7400	0.7600	0.7400	0.7500	2.6667%	-1.9803%	-0.0150
26/09/2018	0.7400	0.7500	0.7400	0.7450	1.3423%	-0.6689%	-0.0050
27/09/2018	0.7400	0.7600	0.7400	0.7500	2.6667%	0.6689%	0.0050
28/09/2018	0.7600	0.7700	0.7700	0.7650	1.3072%	1.9803%	0.0150
01/10/2018	0.7500	0.7700	0.7500	0.7600	2.6316%	-0.6557%	-0.0050
02/10/2018	0.7500	0.7700	0.7500	0.7600	2.6316%	0.0000%	0.0000
03/10/2018	0.7600	0.7700	0.7700	0.7650	1.3072%	0.6557%	0.0050
04/10/2018	0.7600	0.7800	0.7700	0.7700	2.5974%	0.6515%	0.0050
05/10/2018	0.7500	0.7600	0.7500	0.7550	1.3245%	-1.9673%	-0.0150
09/10/2018	0.7500	0.7700	0.7600	0.7600	2.6316%	0.6601%	0.0050
10/10/2018	0.7000	0.7100	0.7000	0.7050	1.4184%	-7.5121%	-0.0550
11/10/2018	0.7100	0.7200	0.7200	0.7150	1.3986%	1.4085%	0.0100
12/10/2018	0.7000	0.7100	0.7100	0.7050	1.4184%	-1.4085%	-0.0100
15/10/2018	0.6900	0.7000	0.7000	0.6950	1.4388%	-1.4286%	-0.0100
16/10/2018	0.6700	0.7000	0.6800	0.6850	4.3796%	-1.4493%	-0.0100
17/10/2018	0.6600	0.6700	0.6700	0.6650	1.5038%	-2.9632%	-0.0200
18/10/2018	0.6200	0.6300	0.6300	0.6250	1.6000%	-6.2035%	-0.0400
19/10/2018	0.6400	0.6500	0.6500	0.6450	1.5504%	3.1499%	0.0200
22/10/2018	0.6200	0.6300	0.6300	0.6250	1.6000%	-3.1499%	-0.0200
23/10/2018	0.5800	0.5900	0.5800	0.5850	1.7094%	-6.6140%	-0.0400
24/10/2018	0.6000	0.6100	0.6100	0.6050	1.6529%	3.3617%	0.0200
25/10/2018	0.6200	0.6300	0.6200	0.6250	1.6000%	3.2523%	0.0200
26/10/2018	0.6100	0.6200	0.6200	0.6150	1.6260%	-1.6129%	-0.0100
29/10/2018	0.6200	0.6300	0.6200	0.6250	1.6000%	1.6129%	0.0100
30/10/2018	0.6000	0.6200	0.6000	0.6100	3.2787%	-2.4293%	-0.0150
31/10/2018	0.6100	0.6200	0.6200	0.6150	1.6260%	0.8163%	0.0050
02/11/2018	0.5900	0.6100	0.6100	0.6000	3.3333%	-2.4693%	-0.0150
05/11/2018	0.6500	0.6600	0.6500	0.6550	1.5267%	8.7706%	0.0550
06/11/2018	0.6500	0.6600	0.6600	0.6550	1.5267%	0.0000%	0.0000
07/11/2018	0.7100	0.7200	0.7100	0.7150	1.3986%	8.7647%	0.0600
08/11/2018	0.7500	0.7800	0.7700	0.7650	3.9216%	6.7593%	0.0500
09/11/2018	0.7400	0.7500	0.7400	0.7450	1.3423%	-2.6492%	-0.0200
12/11/2018	0.7100	0.7200	0.7200	0.7150	1.3986%	-4.1102%	-0.0300
13/11/2018	0.7000	0.7200	0.7200	0.7100	2.8169%	-0.7018%	-0.0050
14/11/2018	0.7100	0.7300	0.7200	0.7200	2.7778%	1.3986%	0.0100
15/11/2018	0.7200	0.7300	0.7200	0.7250	1.3793%	0.6920%	0.0050
16/11/2018	0.7100	0.7300	0.7300	0.7200	2.7778%	-0.6920%	-0.0050
19/11/2018	0.6900	0.7100	0.7000	0.7000	2.8571%	-2.8171%	-0.0200
20/11/2018	0.6800	0.6900	0.6800	0.6850	1.4599%	-2.1661%	-0.0150
21/11/2018	0.6900	0.7000	0.7000	0.6950	1.4388%	1.4493%	0.0100

22/11/2018	0.6900	0.7000	0.7000	0.6950	1.4388%	0.0000%	0.0000
23/11/2018	0.6800	0.7000	0.6800	0.6900	2.8986%	-0.7220%	-0.0050
26/11/2018	0.6700	0.6800	0.6800	0.6750	1.4815%	-2.1979%	-0.0150
27/11/2018	0.6900	0.7000	0.7000	0.6950	1.4388%	2.9199%	0.0200
28/11/2018	0.6900	0.7100	0.7100	0.7000	2.8571%	0.7168%	0.0050
29/11/2018	0.7100	0.7500	0.7200	0.7300	5.4795%	4.1964%	0.0300
30/11/2018	0.7200	0.7500	0.7500	0.7350	4.0816%	0.6826%	0.0050
03/12/2018	0.7500	0.7600	0.7600	0.7550	1.3245%	2.6847%	0.0200
04/12/2018	0.7300	0.7500	0.7600	0.7400	2.7027%	-2.0068%	-0.0150
05/12/2018	0.7400	0.7500	0.7500	0.7450	1.3423%	0.6734%	0.0050
06/12/2018	0.7200	0.7300	0.7300	0.7250	1.3793%	-2.7213%	-0.0200
07/12/2018	0.7200	0.7300	0.7300	0.7250	1.3793%	0.0000%	0.0000
10/12/2018	0.7100	0.7200	0.7200	0.7150	1.3986%	-1.3889%	-0.0100
11/12/2018	0.7300	0.7400	0.7300	0.7350	1.3605%	2.7588%	0.0200
12/12/2018	0.7600	0.7700	0.7600	0.7650	1.3072%	4.0005%	0.0300
13/12/2018	0.7600	0.7700	0.7700	0.7650	1.3072%	0.0000%	0.0000
14/12/2018	0.7400	0.7500	0.7400	0.7450	1.3423%	-2.6492%	-0.0200
17/12/2018	0.7200	0.7300	0.7300	0.7250	1.3793%	-2.7213%	-0.0200
18/12/2018	0.7200	0.7400	0.7400	0.7300	2.7397%	0.6873%	0.0050
19/12/2018	0.7000	0.7300	0.7000	0.7150	4.1958%	-2.0762%	-0.0150
20/12/2018	0.7100	0.7300	0.7300	0.7200	2.7778%	0.6969%	0.0050
21/12/2018	0.7100	0.7300	0.7100	0.7200	2.7778%	0.0000%	0.0000
24/12/2018	0.7100	0.7300	0.7200	0.7200	2.7778%	0.0000%	0.0000
26/12/2018	0.7100	0.7200	0.7100	0.7150	1.3986%	-0.6969%	-0.0050
27/12/2018	0.7100	0.7200	0.7100	0.7150	1.3986%	0.0000%	0.0000
28/12/2018	0.7000	0.7100	0.7100	0.7050	1.4184%	-1.4085%	-0.0100
31/12/2018	0.7100	0.7300	0.7100	0.7200	2.7778%	2.1053%	0.0150
02/01/2019	0.6800	0.6900	0.6800	0.6850	1.4599%	-4.9832%	-0.0350
03/01/2019	0.6400	0.6500	0.6500	0.6450	1.5504%	-6.0169%	-0.0400
04/01/2019	0.6700	0.6900	0.6900	0.6800	2.9412%	5.2842%	0.0350
07/01/2019	0.6700	0.6800	0.6700	0.6750	1.4815%	-0.7380%	-0.0050
08/01/2019	0.6600	0.6700	0.6700	0.6650	1.5038%	-1.4926%	-0.0100
09/01/2019	0.6900	0.7000	0.7000	0.6950	1.4388%	4.4125%	0.0300
10/01/2019	0.6700	0.6900	0.6700	0.6800	2.9412%	-2.1819%	-0.0150
11/01/2019	0.6900	0.7200	0.7000	0.7050	4.2553%	3.6105%	0.0250
14/01/2019	0.6900	0.7000	0.7000	0.6950	1.4388%	-1.4286%	-0.0100
15/01/2019	0.7000	0.7100	0.7100	0.7050	1.4184%	1.4286%	0.0100
16/01/2019	0.7300	0.7400	0.7400	0.7350	1.3605%	4.1673%	0.0300
17/01/2019	0.7200	0.7300	0.7300	0.7250	1.3793%	-1.3699%	-0.0100
18/01/2019	0.7300	0.7400	0.7400	0.7350	1.3605%	1.3699%	0.0100
21/01/2019	0.7000	0.7100	0.7100	0.7050	1.4184%	-4.1673%	-0.0300
22/01/2019	0.7000	0.7100	0.7100	0.7050	1.4184%	0.0000%	0.0000
23/01/2019	0.7200	0.7400	0.7400	0.7300	2.7397%	3.4847%	0.0250
24/01/2019	0.7500	0.7600	0.7600	0.7550	1.3245%	3.3673%	0.0250
25/01/2019	0.7400	0.7500	0.7500	0.7450	1.3423%	-1.3334%	-0.0100
28/01/2019	0.7200	0.7400	0.7400	0.7300	2.7397%	-2.0340%	-0.0150

29/01/2019	0.7200	0.7300	0.7300	0.7250	1.3793%	-0.6873%	-0.0050
30/01/2019	0.7400	0.7500	0.7500	0.7450	1.3423%	2.7213%	0.0200
31/01/2019	0.7400	0.7500	0.7500	0.7450	1.3423%	0.0000%	0.0000
01/02/2019	0.7300	0.7500	0.7500	0.7400	2.7027%	-0.6734%	-0.0050
04/02/2019	0.7200	0.7400	0.7400	0.7300	2.7397%	-1.3606%	-0.0100
05/02/2019	0.7200	0.7300	0.7200	0.7250	1.3793%	-0.6873%	-0.0050
06/02/2019	0.7200	0.7300	0.7300	0.7250	1.3793%	0.0000%	0.0000
07/02/2019	0.7300	0.7400	0.7400	0.7350	1.3605%	1.3699%	0.0100
08/02/2019	0.7200	0.7300	0.7300	0.7250	1.3793%	-1.3699%	-0.0100
11/02/2019	0.7200	0.7300	0.7300	0.7250	1.3793%	0.0000%	0.0000
12/02/2019	0.7300	0.7400	0.7300	0.7350	1.3605%	1.3699%	0.0100
13/02/2019	0.7300	0.7400	0.7300	0.7350	1.3605%	0.0000%	0.0000
14/02/2019	0.7200	0.7300	0.7300	0.7250	1.3793%	-1.3699%	-0.0100
15/02/2019	0.7200	0.7300	0.7200	0.7250	1.3793%	0.0000%	0.0000
18/02/2019	0.6900	0.7100	0.6900	0.7000	2.8571%	-3.5091%	-0.0250
19/02/2019	0.6900	0.7000	0.6900	0.6950	1.4388%	-0.7168%	-0.0050
20/02/2019	0.6800	0.6900	0.6900	0.6850	1.4599%	-1.4493%	-0.0100
21/02/2019	0.6500	0.6600	0.6600	0.6550	1.5267%	-4.4784%	-0.0300
22/02/2019	0.6500	0.6600	0.6600	0.6550	1.5267%	0.0000%	0.0000
25/02/2019	0.6400	0.6600	0.6600	0.6500	3.0769%	-0.7663%	-0.0050
26/02/2019	0.6500	0.6600	0.6600	0.6550	1.5267%	0.7663%	0.0050
27/02/2019	0.6500	0.6700	0.6600	0.6600	3.0303%	0.7605%	0.0050
28/02/2019	0.6700	0.6800	0.6800	0.6750	1.4815%	2.2473%	0.0150
01/03/2019	0.6600	0.6700	0.6700	0.6650	1.5038%	-1.4926%	-0.0100
04/03/2019	0.6600	0.6700	0.6700	0.6650	1.5038%	0.0000%	0.0000
05/03/2019	0.6500	0.6700	0.6700	0.6600	3.0303%	-0.7547%	-0.0050
06/03/2019	0.6500	0.6600	0.6600	0.6550	1.5267%	-0.7605%	-0.0050
07/03/2019	0.6500	0.6600	0.6600	0.6550	1.5267%	0.0000%	0.0000
08/03/2019	0.6400	0.6500	0.6500	0.6450	1.5504%	-1.5385%	-0.0100
11/03/2019	0.6200	0.6400	0.6200	0.6300	3.1746%	-2.3530%	-0.0150
12/03/2019	0.6300	0.6400	0.6300	0.6350	1.5748%	0.7905%	0.0050
13/03/2019	0.6300	0.6400	0.6300	0.6350	1.5748%	0.0000%	0.0000
14/03/2019	0.6300	0.6400	0.6300	0.6350	1.5748%	0.0000%	0.0000
15/03/2019	0.6300	0.6500	0.6300	0.6400	3.1250%	0.7843%	0.0050
18/03/2019	0.6500	0.6600	0.6500	0.6550	1.5267%	2.3167%	0.0150
19/03/2019	0.6400	0.6500	0.6500	0.6450	1.5504%	-1.5385%	-0.0100
20/03/2019	0.6500	0.6600	0.6500	0.6550	1.5267%	1.5385%	0.0100
21/03/2019	0.6600	0.6700	0.6600	0.6650	1.5038%	1.5152%	0.0100
22/03/2019	0.6400	0.6600	0.6600	0.6500	3.0769%	-2.2815%	-0.0150
25/03/2019	0.6300	0.6400	0.6400	0.6350	1.5748%	-2.3347%	-0.0150
26/03/2019	0.6300	0.6400	0.6300	0.6350	1.5748%	0.0000%	0.0000
27/03/2019	0.6300	0.6400	0.6300	0.6350	1.5748%	0.0000%	0.0000
28/03/2019	0.6300	0.6400	0.6400	0.6350	1.5748%	0.0000%	0.0000
29/03/2019	0.6200	0.6400	0.6200	0.6300	3.1746%	-0.7905%	-0.0050
01/04/2019	0.6200	0.6300	0.6300	0.6250	1.6000%	-0.7968%	-0.0050
02/04/2019	0.6100	0.6200	0.6100	0.6150	1.6260%	-1.6129%	-0.0100

03/04/2019	0.6200	0.6300	0.6300	0.6250	1.6000%	1.6129%	0.0100
04/04/2019	0.6100	0.6200	0.6200	0.6150	1.6260%	-1.6129%	-0.0100
05/04/2019	0.6000	0.6200	0.6200	0.6100	3.2787%	-0.8163%	-0.0050
08/04/2019	0.6100	0.6200	0.6100	0.6150	1.6260%	0.8163%	0.0050
09/04/2019	0.6100	0.6200	0.6100	0.6150	1.6260%	0.0000%	0.0000
10/04/2019	0.6000	0.6100	0.6000	0.6050	1.6529%	-1.6394%	-0.0100
11/04/2019	0.5900	0.6100	0.6000	0.6000	3.3333%	-0.8299%	-0.0050
12/04/2019	0.5900	0.6100	0.6000	0.6000	3.3333%	0.0000%	0.0000
15/04/2019	0.5900	0.6000	0.6000	0.5950	1.6807%	-0.8368%	-0.0050
16/04/2019	0.5800	0.5900	0.5900	0.5850	1.7094%	-1.6950%	-0.0100
17/04/2019	0.5800	0.5900	0.5800	0.5850	1.7094%	0.0000%	0.0000
22/04/2019	0.5700	0.5800	0.5800	0.5750	1.7391%	-1.7242%	-0.0100
23/04/2019	0.5600	0.5700	0.5700	0.5650	1.7699%	-1.7544%	-0.0100
24/04/2019	0.5400	0.5500	0.5500	0.5450	1.8349%	-3.6040%	-0.0200
25/04/2019	0.5300	0.5500	0.5300	0.5400	3.7037%	-0.9217%	-0.0050
26/04/2019	0.5500	0.5600	0.5500	0.5550	1.8018%	2.7399%	0.0150
29/04/2019	0.5500	0.5600	0.5500	0.5550	1.8018%	0.0000%	0.0000
30/04/2019	0.5400	0.5500	0.5500	0.5450	1.8349%	-1.8182%	-0.0100
02/05/2019	0.5300	0.5400	0.5400	0.5350	1.8692%	-1.8519%	-0.0100
03/05/2019	0.5300	0.5400	0.5400	0.5350	1.8692%	0.0000%	0.0000
06/05/2019	0.5300	0.5400	0.5400	0.5350	1.8692%	0.0000%	0.0000
07/05/2019	0.5300	0.5500	0.5500	0.5400	3.7037%	0.9302%	0.0050
08/05/2019	0.5400	0.5500	0.5400	0.5450	1.8349%	0.9217%	0.0050
09/05/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	-3.7388%	-0.0200
10/05/2019	0.5100	0.5200	0.5100	0.5150	1.9417%	-1.9231%	-0.0100
13/05/2019	0.4850	0.4900	0.4900	0.4875	1.0256%	-5.4877%	-0.0275
14/05/2019	0.4700	0.4840	0.4840	0.4770	2.9350%	-2.1774%	-0.0105
15/05/2019	0.5100	0.5200	0.5100	0.5150	1.9417%	7.6650%	0.0380
16/05/2019	0.4880	0.4900	0.4900	0.4890	0.4090%	-5.1804%	-0.0260
17/05/2019	0.4610	0.4650	0.4750	0.4630	0.8639%	-5.4635%	-0.0260
20/05/2019	0.4510	0.4520	0.4520	0.4515	0.2215%	-2.5152%	-0.0115
21/05/2019	0.4400	0.4450	0.4450	0.4425	1.1299%	-2.0135%	-0.0090
22/05/2019	0.4200	0.4290	0.4200	0.4245	2.1201%	-4.1528%	-0.0180
23/05/2019	0.4060	0.4100	0.4100	0.4080	0.9804%	-3.9645%	-0.0165
24/05/2019	0.4470	0.4490	0.4480	0.4480	0.4464%	9.3526%	0.0400
27/05/2019	0.4600	0.4790	0.4700	0.4695	4.0469%	4.6875%	0.0215
28/05/2019	0.4650	0.4750	0.4650	0.4700	2.1277%	0.1064%	0.0005
29/05/2019	0.4820	0.4900	0.4820	0.4860	1.6461%	3.3476%	0.0160
30/05/2019	0.4960	0.4980	0.4980	0.4970	0.4024%	2.2381%	0.0110
31/05/2019	0.4800	0.4850	0.4800	0.4825	1.0363%	-2.9609%	-0.0145
03/06/2019	0.4600	0.4650	0.4650	0.4625	1.0811%	-4.2334%	-0.0200
04/06/2019	0.4650	0.4700	0.4650	0.4675	1.0695%	1.0753%	0.0050
05/06/2019	0.4930	0.4950	0.4930	0.4940	0.4049%	5.5136%	0.0265
06/06/2019	0.5200	0.5300	0.5200	0.5250	1.9048%	6.0863%	0.0310
07/06/2019	0.5400	0.5500	0.5500	0.5450	1.8349%	3.7388%	0.0200
10/06/2019	0.5800	0.5900	0.5900	0.5850	1.7094%	7.0826%	0.0400

11/06/2019	0.5600	0.5700	0.5700	0.5650	1.7699%	-3.4786%	-0.0200
12/06/2019	0.5500	0.5600	0.5600	0.5550	1.8018%	-1.7858%	-0.0100
13/06/2019	0.5600	0.5700	0.5700	0.5650	1.7699%	1.7858%	0.0100
14/06/2019	0.5600	0.5900	0.5600	0.5750	5.2174%	1.7544%	0.0100
17/06/2019	0.5300	0.5500	0.5400	0.5400	3.7037%	-6.2801%	-0.0350
18/06/2019	0.5300	0.5400	0.5400	0.5350	1.8692%	-0.9302%	-0.0050
19/06/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	-1.8868%	-0.0100
20/06/2019	0.5500	0.5600	0.5500	0.5550	1.8018%	5.5570%	0.0300
21/06/2019	0.5100	0.5300	0.5200	0.5200	3.8462%	-6.5139%	-0.0350
24/06/2019	0.5200	0.5300	0.5200	0.5250	1.9048%	0.9569%	0.0050
25/06/2019	0.5100	0.5300	0.5100	0.5200	3.8462%	-0.9569%	-0.0050
26/06/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	0.9569%	0.0050
27/06/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	0.0000%	0.0000
28/06/2019	0.5200	0.5300	0.5200	0.5250	1.9048%	0.0000%	0.0000
01/07/2019	0.5400	0.5500	0.5500	0.5450	1.8349%	3.7388%	0.0200
02/07/2019	0.5400	0.5500	0.5500	0.5450	1.8349%	0.0000%	0.0000
03/07/2019	0.5400	0.5500	0.5500	0.5450	1.8349%	0.0000%	0.0000
04/07/2019	0.5400	0.5500	0.5500	0.5450	1.8349%	0.0000%	0.0000
05/07/2019	0.5300	0.5500	0.5500	0.5400	3.7037%	-0.9217%	-0.0050
08/07/2019	0.5300	0.5400	0.5400	0.5350	1.8692%	-0.9302%	-0.0050
09/07/2019	0.5100	0.5200	0.5200	0.5150	1.9417%	-3.8100%	-0.0200
10/07/2019	0.5100	0.5300	0.5300	0.5200	3.8462%	0.9662%	0.0050
11/07/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	0.9569%	0.0050
12/07/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	0.0000%	0.0000
15/07/2019	0.5100	0.5200	0.5200	0.5150	1.9417%	-1.9231%	-0.0100
16/07/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	1.9231%	0.0100
17/07/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	0.0000%	0.0000
18/07/2019	0.5100	0.5200	0.5200	0.5150	1.9417%	-1.9231%	-0.0100
19/07/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	1.9231%	0.0100
22/07/2019	0.5100	0.5200	0.5200	0.5150	1.9417%	-1.9231%	-0.0100
23/07/2019	0.5100	0.5200	0.5100	0.5150	1.9417%	0.0000%	0.0000
24/07/2019	0.5100	0.5300	0.5200	0.5200	3.8462%	0.9662%	0.0050
25/07/2019	0.5200	0.5400	0.5400	0.5300	3.7736%	1.9048%	0.0100
26/07/2019	0.5200	0.5300	0.5300	0.5250	1.9048%	-0.9479%	-0.0050
30/07/2019	0.4900	0.5000	0.4900	0.4950	2.0202%	-5.8841%	-0.0300
31/07/2019	0.4700	0.4950	0.4800	0.4825	5.1813%	-2.5577%	-0.0125
01/08/2019	0.4550	0.4700	0.4550	0.4625	3.2432%	-4.2334%	-0.0200
02/08/2019	0.4650	0.4750	0.4750	0.4700	2.1277%	1.6086%	0.0075
05/08/2019	0.4580	0.4590	0.4590	0.4585	0.2181%	-2.4772%	-0.0115
06/08/2019	0.4700	0.4750	0.4700	0.4725	1.0582%	3.0077%	0.0140
07/08/2019	0.4610	0.4690	0.4690	0.4650	1.7204%	-1.6000%	-0.0075
08/08/2019	0.4770	0.4780	0.4780	0.4775	0.2094%	2.6527%	0.0125
09/08/2019	0.4750	0.4820	0.4800	0.4785	1.4629%	0.2092%	0.0010
12/08/2019	0.4650	0.4840	0.4800	0.4745	4.0042%	-0.8395%	-0.0040
13/08/2019	0.4800	0.4950	0.4900	0.4875	3.0769%	2.7029%	0.0130
14/08/2019	0.4740	0.4830	0.4830	0.4785	1.8809%	-1.8634%	-0.0090

15/08/2019	0.4700	0.4780	0.4730	0.4740	1.6878%	-0.9449%	-0.0045
16/08/2019	0.4600	0.4610	0.4610	0.4605	0.2172%	-2.8894%	-0.0135
19/08/2019	0.4400	0.4450	0.4450	0.4425	1.1299%	-3.9872%	-0.0180
20/08/2019	0.4250	0.4340	0.4300	0.4295	2.0955%	-2.9819%	-0.0130
21/08/2019	0.4310	0.4400	0.4390	0.4355	2.0666%	1.3873%	0.0060
22/08/2019	0.4220	0.4310	0.4310	0.4265	2.1102%	-2.0882%	-0.0090
23/08/2019	0.4060	0.4190	0.4100	0.4125	3.1515%	-3.3376%	-0.0140
26/08/2019	0.4010	0.4050	0.4050	0.4030	0.9926%	-2.3300%	-0.0095
27/08/2019	0.4210	0.4390	0.4390	0.4300	4.1860%	6.4849%	0.0270
28/08/2019	0.4250	0.4300	0.4300	0.4275	1.1696%	-0.5831%	-0.0025
29/08/2019	0.4400	0.4490	0.4490	0.4445	2.0247%	3.8996%	0.0170
02/09/2019	0.4400	0.4450	0.4460	0.4425	1.1299%	-0.4510%	-0.0020
03/09/2019	0.4200	0.4350	0.4350	0.4275	3.5088%	-3.4486%	-0.0150
04/09/2019	0.4560	0.4600	0.4600	0.4580	0.8734%	6.8915%	0.0305
05/09/2019	0.4750	0.4800	0.4750	0.4775	1.0471%	4.1695%	0.0195
06/09/2019	0.4650	0.4710	0.4650	0.4680	1.2821%	-2.0096%	-0.0095
09/09/2019	0.4500	0.4600	0.4500	0.4550	2.1978%	-2.8171%	-0.0130
10/09/2019	0.4510	0.4550	0.4550	0.4530	0.8830%	-0.4405%	-0.0020
11/09/2019	0.4600	0.4650	0.4600	0.4625	1.0811%	2.0754%	0.0095
12/09/2019	0.4610	0.4650	0.4610	0.4630	0.8639%	0.1080%	0.0005
13/09/2019	0.4750	0.4800	0.4750	0.4775	1.0471%	3.0837%	0.0145
16/09/2019	0.4700	0.4850	0.4700	0.4775	3.1414%	0.0000%	0.0000
17/09/2019	0.4800	0.4900	0.4800	0.4850	2.0619%	1.5585%	0.0075
18/09/2019	0.4700	0.4850	0.4800	0.4775	3.1414%	-1.5585%	-0.0075
19/09/2019	0.4800	0.4850	0.4800	0.4825	1.0363%	1.0417%	0.0050
20/09/2019	0.4480	0.4590	0.4480	0.4535	2.4256%	-6.1986%	-0.0290
23/09/2019	0.4500	0.4570	0.4500	0.4535	1.5436%	0.0000%	0.0000
24/09/2019	0.4400	0.4450	0.4450	0.4425	1.1299%	-2.4555%	-0.0110
25/09/2019	0.4550	0.4600	0.4600	0.4575	1.0929%	3.3336%	0.0150
26/09/2019	0.4410	0.4590	0.4590	0.4500	4.0000%	-1.6529%	-0.0075
27/09/2019	0.4650	0.4700	0.4650	0.4675	1.0695%	3.8152%	0.0175
30/09/2019	0.4650	0.4750	0.4750	0.4700	2.1277%	0.5333%	0.0025
01/10/2019	0.4540	0.4550	0.4540	0.4545	0.2200%	-3.3535%	-0.0155
02/10/2019	0.4400	0.4500	0.4400	0.4450	2.2472%	-2.1124%	-0.0095
03/10/2019	0.4300	0.4370	0.4300	0.4335	1.6148%	-2.6182%	-0.0115
04/10/2019	0.4450	0.4500	0.4500	0.4475	1.1173%	3.1785%	0.0140
07/10/2019	0.4350	0.4390	0.4450	0.4370	0.9153%	-2.3743%	-0.0105
09/10/2019	0.4310	0.4330	0.4310	0.4320	0.4630%	-1.1508%	-0.0050
10/10/2019	0.4350	0.4400	0.4350	0.4375	1.1429%	1.2651%	0.0055
11/10/2019	0.4450	0.4500	0.4500	0.4475	1.1173%	2.2600%	0.0100
14/10/2019	0.4400	0.4420	0.4420	0.4410	0.4535%	-1.4632%	-0.0065
15/10/2019	0.4320	0.4400	0.4370	0.4360	1.8349%	-1.1403%	-0.0050
16/10/2019	0.4300	0.4350	0.4300	0.4325	1.1561%	-0.8060%	-0.0035
17/10/2019	0.4330	0.4340	0.4340	0.4335	0.2307%	0.2309%	0.0010
18/10/2019	0.4310	0.4340	0.4310	0.4325	0.6936%	-0.2309%	-0.0010
21/10/2019	0.4280	0.4300	0.4300	0.4290	0.4662%	-0.8125%	-0.0035

22/10/2019	0.4250	0.4340	0.4250	0.4295	2.0955%	0.1165%	0.0005
23/10/2019	0.4250	0.4280	0.4250	0.4265	0.7034%	-0.7009%	-0.0030
24/10/2019	0.4200	0.4250	0.4200	0.4225	1.1834%	-0.9423%	-0.0040
25/10/2019	0.4050	0.4160	0.4110	0.4105	2.6797%	-2.8814%	-0.0120
28/10/2019	0.4190	0.4200	0.4200	0.4195	0.2384%	2.1688%	0.0090
29/10/2019	0.4170	0.4200	0.4200	0.4185	0.7168%	-0.2387%	-0.0010
30/10/2019	0.4020	0.4050	0.4050	0.4035	0.7435%	-3.6500%	-0.0150
31/10/2019	0.3870	0.3900	0.3870	0.3885	0.7722%	-3.7883%	-0.0150
04/11/2019	0.3950	0.4000	0.3950	0.3975	1.2579%	2.2902%	0.0090
05/11/2019	0.3960	0.4000	0.3960	0.3980	1.0050%	0.1257%	0.0005
06/11/2019	0.3900	0.3960	0.3900	0.3930	1.5267%	-1.2642%	-0.0050
07/11/2019	0.4000	0.4050	0.4000	0.4025	1.2422%	2.3885%	0.0095
08/11/2019	0.3850	0.3950	0.3900	0.3900	2.5641%	-3.1548%	-0.0125
11/11/2019	0.3810	0.3920	0.3920	0.3865	2.8461%	-0.9015%	-0.0035
12/11/2019	0.3800	0.3850	0.3800	0.3825	1.3072%	-1.0403%	-0.0040
13/11/2019	0.3790	0.3800	0.3800	0.3795	0.2635%	-0.7874%	-0.0030
14/11/2019	0.3620	0.3690	0.3650	0.3655	1.9152%	-3.7588%	-0.0140
15/11/2019	0.3690	0.3730	0.3690	0.3710	1.0782%	1.4936%	0.0055
18/11/2019	0.3710	0.3730	0.3720	0.3720	0.5376%	0.2692%	0.0010
19/11/2019	0.3710	0.3770	0.3770	0.3740	1.6043%	0.5362%	0.0020
20/11/2019	0.3650	0.3690	0.3700	0.3670	1.0899%	-1.8894%	-0.0070
21/11/2019	0.3500	0.3580	0.3500	0.3540	2.2599%	-3.6065%	-0.0130
22/11/2019	0.3530	0.3550	0.3530	0.3540	0.5650%	0.0000%	0.0000
25/11/2019	0.3520	0.3540	0.3520	0.3530	0.5666%	-0.2829%	-0.0010
26/11/2019	0.3340	0.3400	0.3370	0.3370	1.7804%	-4.6385%	-0.0160
27/11/2019	0.3370	0.3400	0.3370	0.3385	0.8863%	0.4441%	0.0015
28/11/2019	0.3390	0.3410	0.3390	0.3400	0.5882%	0.4422%	0.0015
29/11/2019	0.3430	0.3490	0.3430	0.3460	1.7341%	1.7493%	0.0060
02/12/2019	0.2950	0.3300	0.3300	0.3125	11.2000%	-10.1834%	-0.0335
03/12/2019	0.3130	0.3200	0.3130	0.3165	2.2117%	1.2719%	0.0040
04/12/2019	0.3340	0.3370	0.3350	0.3355	0.8942%	5.8299%	0.0190
05/12/2019	0.3310	0.3350	0.3350	0.3330	1.2012%	-0.7479%	-0.0025
06/12/2019	0.3350	0.3400	0.3400	0.3375	1.4815%	1.3423%	0.0045
09/12/2019	0.3570	0.3590	0.3500	0.3580	0.5587%	5.8967%	0.0205
10/12/2019	0.3900	0.3950	0.3900	0.3925	1.2739%	9.2004%	0.0345
11/12/2019	0.4180	0.4200	0.4180	0.4190	0.4773%	6.5334%	0.0265
12/12/2019	0.4270	0.4350	0.4300	0.4310	1.8561%	2.8237%	0.0120
13/12/2019	0.4100	0.4220	0.4220	0.4160	2.8846%	-3.5423%	-0.0150
16/12/2019	0.3920	0.3970	0.3970	0.3945	1.2674%	-5.3066%	-0.0215
17/12/2019	0.4030	0.4050	0.4050	0.4040	0.4950%	2.3796%	0.0095
18/12/2019	0.4210	0.4250	0.4210	0.4230	0.9456%	4.5957%	0.0190
19/12/2019	0.4250	0.4290	0.4250	0.4270	0.9368%	0.9412%	0.0040
20/12/2019	0.4270	0.4280	0.4280	0.4275	0.2339%	0.1170%	0.0005
23/12/2019	0.4300	0.4350	0.4300	0.4325	1.1561%	1.1628%	0.0050
24/12/2019	0.4310	0.4350	0.4310	0.4330	0.9238%	0.1155%	0.0005
26/12/2019	0.4260	0.4350	0.4260	0.4305	2.0906%	-0.5790%	-0.0025

27/12/2019	0.4300	0.4400	0.4350	0.4350	2.2989%	1.0399%	0.0045
30/12/2019	0.4400	0.4500	0.4500	0.4450	2.2472%	2.2728%	0.0100
31/12/2019	0.4450	0.4500	0.4450	0.4475	1.1173%	0.5602%	0.0025

Anexo N° 03: Script de tratamiento de volatilidad de la TIR para Rstudio

```
#####  
# 1. ACTIVANDO PAQUETES #  
#####
```

```
install.packages("zoo")  
install.packages("PerformanceAnalytics")  
install.packages("normtest")  
install.packages("urca")  
install.packages("FinTS")  
install.packages("fGarch")  
library("zoo")  
library(PerformanceAnalytics)  
library(normtest)  
library(urca)  
library(FinTS)  
library(fGarch)
```

```
#####  
# 2. DATOS INICIALES #  
#####
```

```
# DEFINIENDO EL RANGO DE FECHAS
```

```
INI_FECHA = "2008-01-01"  
FIN_FECHA = "2019-12-31"
```

```
# CARGAR DATOS DES CSV (FUENTE: BLOOMBERG)
```

```
BBG <- read.csv("E:/Tesis 2020/Data_VOLCABC1.csv")
```

```
# LIMPIAR BASE (QUITAR NAS Y DAR FORMATO NUMÉRICO)
```

```
TEMPO <- BBG[BBG$PX_LAST != "#N/A N/A" &  
            BBG$PX_BID != "#N/A N/A" &  
            BBG$PX_ASK != "#N/A N/A",]  
TEMPO$PX_LAST <- as.numeric(TEMPO$PX_LAST)  
TEMPO$PX_BID <- as.numeric(TEMPO$PX_BID)  
TEMPO$PX_ASK <- as.numeric(TEMPO$PX_ASK)  
TEMPO <- na.omit(TEMPO)
```

```
# ARMAR SERIE DE TIEMPO (ZOO) EN OBJETO VOLCABC1
```

```
TEMPO$PX_MID = (TEMPO$PX_ASK+TEMPO$PX_BID)/2  
TEMPO$BA_SPRD = (TEMPO$PX_ASK-TEMPO$PX_BID)/TEMPO$PX_MID  
TEMPO$PX_BID_MID = TEMPO$PX_BID - TEMPO$PX_MID  
TEMPO$FECHA = as.Date(TEMPO$i..FECHA, format="%d/%m/%Y")  
TEMPO = TEMPO[TEMPO$FECHA <= FIN_FECHA &  
              TEMPO$FECHA >= max(TEMPO[TEMPO$FECHA <  
INI_FECHA,"FECHA"]),]  
TEMPO = zoo(x=TEMPO[,c(2,3,4,5,6,7)], order.by=TEMPO$FECHA)  
TEMPO$PX_MID_RET = CalculateReturns(TEMPO$PX_MID,  
method=c("compound"))
```

```

TEMPO$PX_MID_DIF = CalculateReturns(TEMPO$PX_MID,
method=c("difference"))
TEMPO = TEMPO[-1,]
VOLCABC1 = TEMPO

```

```

#####
# 3. ANÁLISIS DE RETORNOS Y REVISIÓN DE SUPUESTOS #
#####

```

EXPLORACIÓN GRÁFICA DE VOLCABC1

```

plot(x = VOLCABC1[,c("PX_MID", "PX_MID_RET")],
     xlab = c("AÑO"),
     ylab = c("PRECIO MEDIO", "RETORNO"),
     main = c("PRECIO Y RETORNOS DE VOLCABC1"),
     col = c("black", "royalblue3"),
     lwd = c(2,2),
     lty = c(1,1))

```

HISTOGRAMA DE LOS RETORNOS

```

hist(VOLCABC1$PX_MID_RET,
     breaks= 50, freq = F,
     col = "#999999",
     border = 0,
     main = "HISTOGRAMA DE RETORNOS",
     xlim = c(-0.3,0.3),
     ylim = c(0,30),
     xlab = NULL)
curve(dnorm(x, mean(VOLCABC1$PX_MID_RET),
sd(VOLCABC1$PX_MID_RET)),
     lwd = 3, col = "red", add = T)
lines(density(VOLCABC1$PX_MID_RET), lwd = 2)
legend(x="right",
     legend = c("Retornos", "Dens. Normal", "Densidad"),
     lwd=c(8,3,2),
     lty=1,
     col=c("#999999", "red", "black"),
     cex=1,
     inset = c(0.08),
     bty = "n")

```

Q-Q PLOT

```

qqnorm(VOLCABC1$PX_MID_RET, col="#666666")
qqline(VOLCABC1$PX_MID_RET, lwd = 2, col="royalblue3")

```

KURTOSIS Y TEST DE JARQUE-BERA

```

Kurt_Mcdo = kurtosis(VOLCABC1$PX_MID_RET)[1]
jb.norm.test(VOLCABC1$PX_MID_RET)

```

REVISIÓN GRÁFICA A COLAS DE LA DISRIBUCIÓN

```

par(mfrow=c(1,2))

```

```

hist(VOLCABC1$PX_MID_RET,
     breaks= 50, freq = F,
     col = "#999999",
     border = 0,
     main = "COLA NEGATIVA",
     xlim = c(-0.3,-0.05),
     ylim = c(0,0.8),
     xlab = NULL)
curve(dnorm(x, mean(VOLCABC1$PX_MID_RET),
sd(VOLCABC1$PX_MID_RET)),
      lwd = 3, col = "red", add = T)
lines(density(VOLCABC1$PX_MID_RET), lwd = 2)
legend (x="left",
       legend = c("Retornos", "Dens. Normal", "Densidad"),
       lwd=c(8,2,1),
       lty=1,
       col=c("#999999", "red", "black"),
       cex=1,
       inset = c(0.08),
       bty = "n")
hist(VOLCABC1$PX_MID_RET,
     breaks= 50, freq = F,
     col = "#999999",
     border = 0,
     main = "COLA POSITIVA",
     xlim = c(0.05,0.3),
     ylim = c(0,0.8),
     xlab = NULL)
curve(dnorm(x, mean(VOLCABC1$PX_MID_RET),
sd(VOLCABC1$PX_MID_RET)),
      lwd = 3, col = "red", add = T)
lines(density(VOLCABC1$PX_MID_RET), lwd = 2)
legend (x="right",
       legend = c("Retornos", "Dens. Normal", "Densidad"),
       lwd=c(8,2,1),
       lty=1,
       col=c("#999999", "red", "black"),
       cex=1,
       inset = c(0.08),
       bty = "n")

```

PRUEBAS DE RAICES UNITARIAS PARA RENDIMIENTOS

```
summary(ur.df(VOLCABC1$PX_MID_RET))
```

EVALUACIÓN DE EFECTOS ARCH

```
acf(VOLCABC1$PX_MID_RET, na.action = na.pass, main = "")
pacf(VOLCABC1$PX_MID_RET, na.action = na.pass, main = "")
ArchTest(VOLCABC1$PX_MID_RET)

```

```
#####
```

4. ESTIMACIÓN DE MODELOS ARCH

#####

ESTIMACIÓN DE MODELOS ARCH Y GARCH

```
ARCH_1 = garchFit(formula=~garch(1,0), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)  
ARCH_2 = garchFit(formula=~garch(2,0), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)  
ARCH_3 = garchFit(formula=~garch(3,0), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)  
ARCH_4 = garchFit(formula=~garch(4,0), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)  
GARCH_1_1 = garchFit(formula=~garch(1,1), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)  
GARCH_1_2 = garchFit(formula=~garch(1,2), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)  
GARCH_2_1 = garchFit(formula=~garch(2,1), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)  
GARCH_2_2 = garchFit(formula=~garch(2,2), data=VOLCABC1$PX_MID_RET,  
cond.dist = c("norm"),include.mean = FALSE)
```

CRITERIOS DE SELECCION

```
rbind(ARCH_1@fit$ics, ARCH_2@fit$ics, ARCH_3@fit$ics, ARCH_4@fit$ics,  
      GARCH_1_1@fit$ics, GARCH_1_2@fit$ics, GARCH_2_1@fit$ics,  
      GARCH_2_2@fit$ics)  
summary(GARCH_1_1)  
summary(GARCH_2_1)
```

COEFICIENTES DE LOS MODELOS (OMEGA, ALPHA Y BETA)

```
ARCH_1@fit$matcoef  
ARCH_2@fit$matcoef  
ARCH_3@fit$matcoef  
ARCH_4@fit$matcoef  
GARCH_1_1@fit$matcoef  
GARCH_1_2@fit$matcoef  
GARCH_2_1@fit$matcoef  
GARCH_2_2@fit$matcoef
```

CONVERGENCIA (ALPHA + BETA < 1)

```
sum(ARCH_1@fit$coef[c("alpha1")])  
sum(ARCH_2@fit$coef[c("alpha1","alpha2")])  
sum(ARCH_3@fit$coef[c("alpha1","alpha2","alpha3")])  
sum(ARCH_4@fit$coef[c("alpha1","alpha2","alpha3","alpha4")])  
sum(GARCH_1_1@fit$coef[c("alpha1","beta1")])  
sum(GARCH_1_1@fit$coef[c("beta1")])  
sum(GARCH_1_2@fit$coef[c("alpha1","beta1","beta2")])  
sum(GARCH_2_1@fit$coef[c("alpha1","alpha2","beta1")])  
sum(GARCH_2_2@fit$coef[c("alpha1","alpha2","beta1","beta2")])
```

Escogemos GARCH(1,1)

```
#####  
# 5. CÁLCULO DEL VAR DE MERCADO #  
#####
```

```
# FACTOR DE CORRECIÓN DE BANGIA (??)  
Fact_Kurt_Mcdo = 1 + (0.4 * log(Kurt_Mcdo / 3))
```

```
# EXTRAYENDO VOLATILIDAD DEL MODELO SELECCIONADO  
VOLCABC1$SIGMA = GARCH_1_1@sigma.t
```

```
# VAR DE MERCADO AJUSTADO  
VOLCABC1$VaR_MCDO = - VOLCABC1$PX_MID * (1 - exp(-2.326348 *  
Fact_Kurt_Mcdo * VOLCABC1$SIGMA))
```

```
#####  
# 6. CÁLCULO DEL COSTO DE LIQUIDEZ EXÓGENA #  
#####
```

```
# HISTOGRAMA DE LOS SPREADS  
hist(VOLCABC1$BA_SPRD,  
      breaks= 50, freq = F,  
      col = "#999999",  
      border = 0,  
      main = "HISTOGRAMA DE SPREAD RELATIVO",  
      xlim = c(0,0.3),  
      ylim = c(0,50),  
      xlab = NULL)
```

```
# PARÁMTEROS BANGIA  
prom_sp = mean(VOLCABC1$BA_SPRD)  
fact_sp = 0.2  
desv_sp = sd(VOLCABC1$BA_SPRD)
```

```
# COSTO DE LIQUIDEZ EXÓGENA (2-4.5)  
VOLCABC1$CLE = - (0.5) * (VOLCABC1$PX_MID * (mean  
(VOLCABC1$BA_SPRD) + (2 * sd(VOLCABC1$BA_SPRD))))
```

```
#####  
# 7. CÁLCULO DEL LADJ-VAR #  
#####
```

```
# CÁLCULO LADJ-VAR Y RENTABILIDAD  
VOLCABC1$LADJ_VAR = VOLCABC1$VaR_MCDO + VOLCABC1$CLE  
VOLCABC1$GOP_VAR = VOLCABC1$PX_MID_DIF  
VOLCABC1$GOP_LVAR = VOLCABC1$PX_MID_DIF +  
VOLCABC1$PX_BID_MID
```

```
# GRAFICA DE LOS COSTOS DE LIQUIDACIÓN, VAR DE MERCADO Y LADJ-  
VAR
```

```

plot(x = (VOLCABC1[c(nrow(VOLCABC1)-251):nrow(VOLCABC1),"GOP_LVAR"]),
     xlab = c("AÑO"),
     ylab = c("SOLES"),
     main = c("GANANCIAS O PÉRDIDAS VS. VAR Y LADJ-VAR"),
     ylim = c(-0.15,0.05),
     col="blue",
     lwd = 1)
lines(x = (VOLCABC1[c(nrow(VOLCABC1)-
251):nrow(VOLCABC1),"VaR_MCDO"]),
      col="gray",
      lwd = 2)
lines(VOLCABC1[c(nrow(VOLCABC1)-251):nrow(VOLCABC1),"LADJ_VAR"],
      col="black",
      lwd = 2)
legend(x="bottomright",
       legend = c("GoP","VaR","LAdj-VaR"),
       col=c("blue","gray","black"),
       bty = "n", lwd=3, lty=1, horiz = TRUE,
       cex=1, inset = 0.03)

```

```

#####
# 8. BACKTESTING #
#####

```

IDENTIFICANDO EXCESOS (1:EXCESO, 0:NO EXCESO)

```

VOLCABC1$EXCESO_VAR = 0
VOLCABC1$EXCESO_LVAR = 0
VOLCABC1$VaR_MCDO_T1 = 0
VOLCABC1$LADJ_VAR_T1 = 0
for(i in 2:nrow(VOLCABC1)){VOLCABC1[i,"VaR_MCDO_T1"]=VOLCABC1[(i-
1),"VaR_MCDO"]}
for(i in 2:nrow(VOLCABC1)){VOLCABC1[i,"LADJ_VAR_T1"]=VOLCABC1[(i-
1),"LADJ_VAR"]}
for(i in 2:nrow(VOLCABC1)){if (VOLCABC1[i,"GOP_VAR"] <
VOLCABC1[i,"VaR_MCDO_T1"]) {VOLCABC1[i,"EXCESO_VAR"] = 1} else
{VOLCABC1[i,"EXCESO_VAR"] = 0}}
for(i in 2:nrow(VOLCABC1)){if (VOLCABC1[i,"GOP_LVAR"] <
VOLCABC1[i,"LADJ_VAR_T1"]) {VOLCABC1[i,"EXCESO_LVAR"] = 1} else
{VOLCABC1[i,"EXCESO_LVAR"] = 0}}

```

TEST DE KUPIEC - VAR

```

NRO_OBS = nrow(VOLCABC1[c(nrow(VOLCABC1)-251):nrow(VOLCABC1),])
NRO_EXC = sum(VOLCABC1[c(nrow(VOLCABC1)-
251):nrow(VOLCABC1),"EXCESO_VAR"])
NUMER = (0.01^NRO_EXC)*(0.99^(NRO_OBS-NRO_EXC))
DENOM = ((NRO_EXC/NRO_OBS)^NRO_EXC)*((1-
(NRO_EXC/NRO_OBS))^(NRO_OBS-NRO_EXC))
-2*log(NUMER/DENOM)

```

TEST DE KUPIEC - LVAR

```
NRO_OBS = nrow(VOLCABC1[c(nrow(VOLCABC1)-251):nrow(VOLCABC1),])
NRO_EXC = sum(VOLCABC1[c(nrow(VOLCABC1)-251):nrow(VOLCABC1),"EXCESO_LVAR"])
NUMER = (0.01^NRO_EXC)*(0.99^(NRO_OBS-NRO_EXC))
DENOM = ((NRO_EXC/NRO_OBS)^NRO_EXC)*((1-(NRO_EXC/NRO_OBS))^(NRO_OBS-NRO_EXC))
-2*log(NUMER/DENOM)

write.csv(VOLCABC1,"E:/Tesis 2020/Resultado.csv")
```


Anexo N° 04: Resultados del VaR, Ladj-VaR y backtesting

FECHA	SIGMA	VaR_MCDO	CLE	LADJ_VAR	GOPVAR	GOPLVAR	BTVAR	BTLVAR
02/01/2008	2.6461%	-0.0437	-0.0223	-0.0660	0.0025	0.0000	0	0
03/01/2008	2.6879%	-0.0441	-0.0221	-0.0663	0.0100	0.0050	0	0
04/01/2008	2.8903%	-0.0462	-0.0216	-0.0679	0.0045	-0.0005	0	0
07/01/2008	3.1478%	-0.0496	-0.0214	-0.0710	-0.0025	-0.0070	0	0
08/01/2008	3.4502%	-0.0543	-0.0215	-0.0759	0.0005	-0.0015	0	0
09/01/2008	3.7548%	-0.0587	-0.0215	-0.0802	0.0050	0.0025	0	0
10/01/2008	4.1351%	-0.0635	-0.0213	-0.0847	0.0005	0.0000	0	0
11/01/2008	4.5427%	-0.0691	-0.0212	-0.0903	0.0040	0.0020	0	0
14/01/2008	4.5609%	-0.0687	-0.0211	-0.0897	0.0190	0.0170	0	0
15/01/2008	4.9225%	-0.0703	-0.0201	-0.0904	0.0095	0.0085	0	0
16/01/2008	4.8775%	-0.0681	-0.0196	-0.0877	-0.0215	-0.0240	0	0
17/01/2008	5.1478%	-0.0754	-0.0207	-0.0961	-0.0150	-0.0210	0	0
18/01/2008	5.5510%	-0.0836	-0.0214	-0.1051	0.0120	0.0080	0	0
21/01/2008	5.3778%	-0.0790	-0.0209	-0.0999	0.0265	0.0255	0	0
22/01/2008	4.2218%	-0.0594	-0.0195	-0.0789	0.0345	0.0320	0	0
23/01/2008	3.8035%	-0.0492	-0.0178	-0.0670	0.0205	0.0195	0	0
24/01/2008	4.1451%	-0.0502	-0.0168	-0.0670	0.0045	0.0020	0	0
25/01/2008	4.5615%	-0.0541	-0.0166	-0.0707	-0.0025	-0.0045	0	0
28/01/2008	4.2814%	-0.0514	-0.0167	-0.0681	0.0190	0.0175	0	0
29/01/2008	4.6915%	-0.0527	-0.0158	-0.0685	0.0040	0.0005	0	0
30/01/2008	2.2979%	-0.0267	-0.0156	-0.0422	-0.0335	-0.0510	1	1
31/01/2008	2.3516%	-0.0302	-0.0172	-0.0474	0.0060	0.0030	0	0
01/02/2008	2.5371%	-0.0319	-0.0169	-0.0488	0.0015	0.0005	0	0
04/02/2008	2.7497%	-0.0343	-0.0168	-0.0511	0.0015	0.0000	0	0
05/02/2008	2.1233%	-0.0267	-0.0168	-0.0435	-0.0160	-0.0190	0	0
06/02/2008	2.2791%	-0.0299	-0.0176	-0.0475	-0.0010	-0.0020	0	0
07/02/2008	2.4620%	-0.0323	-0.0176	-0.0499	0.0000	-0.0010	0	0
08/02/2008	2.1033%	-0.0278	-0.0176	-0.0454	-0.0130	-0.0170	0	0
11/02/2008	2.0886%	-0.0286	-0.0183	-0.0469	-0.0070	-0.0090	0	0
12/02/2008	2.2293%	-0.0310	-0.0186	-0.0496	0.0020	-0.0010	0	0
13/02/2008	2.4017%	-0.0331	-0.0185	-0.0517	0.0010	0.0000	0	0
14/02/2008	2.5116%	-0.0345	-0.0185	-0.0530	0.0055	0.0035	0	0
15/02/2008	2.1202%	-0.0289	-0.0182	-0.0471	-0.0140	-0.0175	0	0
18/02/2008	2.2507%	-0.0318	-0.0189	-0.0507	-0.0030	-0.0035	0	0
19/02/2008	2.3825%	-0.0338	-0.0190	-0.0529	-0.0040	-0.0065	0	0
20/02/2008	2.5475%	-0.0364	-0.0192	-0.0557	-0.0035	-0.0090	0	0
21/02/2008	2.3647%	-0.0342	-0.0194	-0.0536	-0.0125	-0.0175	0	0
22/02/2008	2.3162%	-0.0346	-0.0200	-0.0547	0.0095	0.0070	0	0
25/02/2008	2.4371%	-0.0355	-0.0196	-0.0551	-0.0050	-0.0080	0	0
26/02/2008	2.6424%	-0.0388	-0.0198	-0.0586	0.0005	-0.0015	0	0
27/02/2008	2.6804%	-0.0393	-0.0198	-0.0591	0.0090	0.0065	0	0
28/02/2008	2.3528%	-0.0339	-0.0193	-0.0533	-0.0150	-0.0165	0	0
29/02/2008	1.9251%	-0.0291	-0.0201	-0.0492	-0.0150	-0.0165	0	0
03/03/2008	2.0505%	-0.0320	-0.0208	-0.0529	-0.0010	-0.0025	0	0

04/03/2008	1.9630%	-0.0308	-0.0209	-0.0517	0.0090	0.0085	0	0
05/03/2008	1.6332%	-0.0252	-0.0204	-0.0457	-0.0120	-0.0175	0	0
06/03/2008	1.6564%	-0.0263	-0.0210	-0.0474	-0.0040	-0.0065	0	0
07/03/2008	1.7090%	-0.0274	-0.0212	-0.0486	-0.0030	-0.0045	0	0
10/03/2008	1.8000%	-0.0290	-0.0214	-0.0504	0.0005	-0.0040	0	0
11/03/2008	1.8711%	-0.0301	-0.0213	-0.0514	-0.0035	-0.0045	0	0
12/03/2008	1.9877%	-0.0321	-0.0215	-0.0537	-0.0010	-0.0025	0	0
13/03/2008	2.1234%	-0.0343	-0.0216	-0.0559	0.0010	0.0005	0	0
14/03/2008	2.2531%	-0.0363	-0.0215	-0.0578	-0.0035	-0.0060	0	0
17/03/2008	2.3758%	-0.0384	-0.0217	-0.0601	-0.0050	-0.0090	0	0
18/03/2008	2.4845%	-0.0406	-0.0219	-0.0625	-0.0065	-0.0075	0	0
19/03/2008	2.4919%	-0.0413	-0.0223	-0.0636	0.0100	0.0075	0	0
24/03/2008	2.6432%	-0.0427	-0.0218	-0.0645	0.0055	0.0030	0	0
25/03/2008	2.8298%	-0.0450	-0.0215	-0.0665	-0.0050	-0.0060	0	0
26/03/2008	2.8938%	-0.0465	-0.0217	-0.0682	-0.0105	-0.0125	0	0
27/03/2008	2.8101%	-0.0463	-0.0223	-0.0686	0.0140	0.0115	0	0
28/03/2008	2.8252%	-0.0451	-0.0216	-0.0666	-0.0115	-0.0150	0	0
31/03/2008	2.9304%	-0.0479	-0.0221	-0.0700	-0.0095	-0.0145	0	0
01/04/2008	2.8147%	-0.0471	-0.0226	-0.0697	-0.0155	-0.0160	0	0
02/04/2008	3.0635%	-0.0527	-0.0234	-0.0761	0.0025	-0.0025	0	0
03/04/2008	2.8673%	-0.0493	-0.0233	-0.0726	0.0175	0.0150	0	0
04/04/2008	3.0405%	-0.0501	-0.0224	-0.0725	-0.0075	-0.0165	0	0
07/04/2008	2.9606%	-0.0497	-0.0228	-0.0725	0.0150	0.0125	0	0
08/04/2008	3.0383%	-0.0493	-0.0220	-0.0713	-0.0110	-0.0135	0	0
09/04/2008	3.3267%	-0.0550	-0.0226	-0.0776	0.0000	-0.0035	0	0
10/04/2008	2.3084%	-0.0389	-0.0226	-0.0615	-0.0290	-0.0345	0	0
11/04/2008	2.4498%	-0.0438	-0.0240	-0.0678	0.0050	0.0025	0	0
14/04/2008	2.5605%	-0.0452	-0.0238	-0.0690	-0.0075	-0.0150	0	0
15/04/2008	2.6914%	-0.0482	-0.0241	-0.0723	0.0075	0.0025	0	0
16/04/2008	2.9329%	-0.0514	-0.0238	-0.0752	0.0000	-0.0075	0	0
17/04/2008	2.8815%	-0.0506	-0.0238	-0.0743	0.0145	0.0120	0	0
18/04/2008	3.1486%	-0.0533	-0.0230	-0.0764	0.0005	-0.0015	0	0
21/04/2008	3.3188%	-0.0560	-0.0230	-0.0790	0.0095	0.0070	0	0
22/04/2008	3.6383%	-0.0597	-0.0225	-0.0823	-0.0020	-0.0040	0	0
23/04/2008	3.7919%	-0.0623	-0.0226	-0.0850	-0.0130	-0.0180	0	0
24/04/2008	4.0750%	-0.0685	-0.0233	-0.0918	-0.0095	-0.0125	0	0
25/04/2008	4.0723%	-0.0699	-0.0238	-0.0936	0.0195	0.0170	0	0
28/04/2008	3.2057%	-0.0536	-0.0228	-0.0764	0.0305	0.0285	0	0
29/04/2008	3.1436%	-0.0492	-0.0213	-0.0704	-0.0150	-0.0225	0	0
30/04/2008	3.4396%	-0.0554	-0.0220	-0.0774	-0.0020	-0.0045	0	0
02/05/2008	3.3344%	-0.0540	-0.0221	-0.0761	0.0170	0.0125	0	0
05/05/2008	3.6518%	-0.0566	-0.0213	-0.0778	-0.0025	-0.0050	0	0
06/05/2008	2.7173%	-0.0431	-0.0214	-0.0645	0.0270	0.0180	0	0
07/05/2008	2.7647%	-0.0410	-0.0201	-0.0611	-0.0095	-0.0115	0	0
08/05/2008	2.6029%	-0.0397	-0.0205	-0.0602	-0.0140	-0.0205	0	0
09/05/2008	2.6668%	-0.0420	-0.0212	-0.0632	-0.0090	-0.0135	0	0

12/05/2008	2.8351%	-0.0454	-0.0217	-0.0671	0.0060	0.0015	0	0
13/05/2008	2.7807%	-0.0440	-0.0214	-0.0654	-0.0130	-0.0175	0	0
14/05/2008	2.4274%	-0.0398	-0.0220	-0.0618	-0.0180	-0.0205	0	0
19/05/2008	2.2772%	-0.0390	-0.0229	-0.0619	-0.0135	-0.0140	0	0
20/05/2008	2.4217%	-0.0426	-0.0236	-0.0662	-0.0045	-0.0085	0	0
21/05/2008	2.4836%	-0.0440	-0.0238	-0.0678	-0.0090	-0.0135	0	0
22/05/2008	2.3970%	-0.0434	-0.0243	-0.0676	0.0130	0.0055	0	0
23/05/2008	2.5687%	-0.0451	-0.0236	-0.0687	-0.0040	-0.0135	0	0
26/05/2008	2.7916%	-0.0492	-0.0238	-0.0730	0.0010	-0.0025	0	0
27/05/2008	2.7957%	-0.0492	-0.0238	-0.0729	0.0125	0.0120	0	0
28/05/2008	2.9628%	-0.0506	-0.0231	-0.0737	-0.0075	-0.0115	0	0
29/05/2008	2.9356%	-0.0509	-0.0235	-0.0744	0.0140	0.0115	0	0
30/05/2008	3.0044%	-0.0505	-0.0228	-0.0733	-0.0115	-0.0120	0	0
02/06/2008	3.2051%	-0.0550	-0.0234	-0.0784	0.0075	0.0025	0	0
03/06/2008	2.9360%	-0.0499	-0.0230	-0.0729	-0.0200	-0.0275	0	0
04/06/2008	2.9907%	-0.0529	-0.0240	-0.0769	-0.0125	-0.0250	0	0
05/06/2008	1.8680%	-0.0347	-0.0246	-0.0593	-0.0300	-0.0350	0	0
06/06/2008	1.9392%	-0.0381	-0.0261	-0.0642	-0.0050	-0.0100	0	0
09/06/2008	1.8781%	-0.0373	-0.0264	-0.0637	0.0100	0.0000	0	0
10/06/2008	1.9493%	-0.0379	-0.0259	-0.0638	0.0050	-0.0050	0	0
11/06/2008	2.0815%	-0.0400	-0.0256	-0.0656	0.0000	-0.0050	0	0
12/06/2008	2.0548%	-0.0395	-0.0256	-0.0651	-0.0100	-0.0150	0	0
13/06/2008	2.0211%	-0.0397	-0.0261	-0.0658	0.0100	0.0050	0	0
16/06/2008	1.9786%	-0.0381	-0.0256	-0.0637	-0.0100	-0.0150	0	0
17/06/2008	2.1155%	-0.0414	-0.0261	-0.0676	0.0000	-0.0050	0	0
18/06/2008	2.0973%	-0.0411	-0.0261	-0.0672	0.0100	0.0050	0	0
19/06/2008	2.0745%	-0.0399	-0.0256	-0.0655	-0.0100	-0.0150	0	0
20/06/2008	2.2265%	-0.0435	-0.0261	-0.0696	0.0000	-0.0050	0	0
23/06/2008	2.3616%	-0.0460	-0.0261	-0.0722	0.0050	0.0000	0	0
24/06/2008	2.5182%	-0.0485	-0.0259	-0.0743	0.0050	-0.0050	0	0
25/06/2008	2.1109%	-0.0406	-0.0256	-0.0662	-0.0200	-0.0250	0	0
26/06/2008	2.2284%	-0.0444	-0.0266	-0.0710	-0.0050	-0.0100	0	0
27/06/2008	2.3667%	-0.0474	-0.0269	-0.0743	-0.0050	-0.0150	0	0
30/06/2008	2.5624%	-0.0516	-0.0271	-0.0788	0.0000	-0.0050	0	0
01/07/2008	2.7861%	-0.0559	-0.0271	-0.0830	0.0000	-0.0050	0	0
02/07/2008	3.0406%	-0.0607	-0.0271	-0.0879	0.0000	-0.0050	0	0
03/07/2008	2.8581%	-0.0573	-0.0271	-0.0844	0.0200	0.0150	0	0
04/07/2008	3.1224%	-0.0600	-0.0261	-0.0861	0.0000	-0.0050	0	0
07/07/2008	3.4219%	-0.0654	-0.0261	-0.0915	0.0000	-0.0050	0	0
08/07/2008	3.7347%	-0.0709	-0.0261	-0.0970	0.0050	0.0000	0	0
09/07/2008	4.0895%	-0.0764	-0.0259	-0.1023	-0.0050	-0.0150	0	0
10/07/2008	4.4906%	-0.0841	-0.0261	-0.1102	0.0050	0.0000	0	0
11/07/2008	3.9715%	-0.0744	-0.0259	-0.1002	-0.0350	-0.0450	0	0
14/07/2008	3.5687%	-0.0719	-0.0276	-0.0995	0.0300	0.0250	0	0
15/07/2008	3.8300%	-0.0726	-0.0261	-0.0987	-0.0100	-0.0150	0	0
16/07/2008	4.1986%	-0.0805	-0.0266	-0.1072	-0.0050	-0.0100	0	0

17/07/2008	3.6402%	-0.0712	-0.0269	-0.0981	-0.0350	-0.0450	0	0
18/07/2008	3.9254%	-0.0813	-0.0286	-0.1100	0.0100	-0.0050	0	0
21/07/2008	4.2498%	-0.0860	-0.0281	-0.1141	0.0100	0.0050	0	0
22/07/2008	4.6205%	-0.0912	-0.0276	-0.1188	-0.0100	-0.0150	0	0
23/07/2008	4.8545%	-0.0971	-0.0281	-0.1252	-0.0200	-0.0250	0	0
24/07/2008	4.2868%	-0.0898	-0.0291	-0.1189	0.0400	0.0350	0	0
25/07/2008	4.4147%	-0.0859	-0.0271	-0.1130	0.0200	0.0150	0	0
30/07/2008	4.0073%	-0.0757	-0.0261	-0.1018	0.0310	0.0260	0	0
31/07/2008	3.6319%	-0.0650	-0.0246	-0.0896	0.0265	0.0255	0	0
01/08/2008	3.9667%	-0.0668	-0.0233	-0.0900	0.0050	0.0025	0	0
04/08/2008	3.9232%	-0.0654	-0.0230	-0.0884	-0.0200	-0.0225	0	0
05/08/2008	4.1081%	-0.0712	-0.0240	-0.0952	-0.0145	-0.0170	0	0
06/08/2008	4.4159%	-0.0784	-0.0247	-0.1031	0.0110	0.0100	0	0
07/08/2008	4.6326%	-0.0801	-0.0242	-0.1042	0.0160	0.0120	0	0
08/08/2008	5.1213%	-0.0848	-0.0234	-0.1082	0.0005	-0.0045	0	0
11/08/2008	5.2494%	-0.0866	-0.0234	-0.1100	0.0215	0.0120	0	0
12/08/2008	3.9422%	-0.0636	-0.0223	-0.0859	0.0400	0.0390	0	0
13/08/2008	3.9511%	-0.0581	-0.0203	-0.0784	-0.0165	-0.0185	0	0
14/08/2008	3.9217%	-0.0600	-0.0211	-0.0811	-0.0180	-0.0225	0	0
15/08/2008	4.2243%	-0.0670	-0.0220	-0.0890	-0.0090	-0.0115	0	0
18/08/2008	4.5195%	-0.0727	-0.0225	-0.0952	-0.0115	-0.0120	0	0
19/08/2008	4.3267%	-0.0716	-0.0230	-0.0947	-0.0260	-0.0280	0	0
20/08/2008	4.1513%	-0.0728	-0.0243	-0.0972	-0.0260	-0.0270	0	0
21/08/2008	2.9552%	-0.0559	-0.0256	-0.0815	0.0380	0.0330	0	0
22/08/2008	3.0758%	-0.0537	-0.0237	-0.0775	-0.0105	-0.0175	0	0
25/08/2008	2.2517%	-0.0408	-0.0243	-0.0651	-0.0275	-0.0300	0	0
26/08/2008	2.2663%	-0.0434	-0.0256	-0.0690	-0.0100	-0.0150	0	0
27/08/2008	1.7532%	-0.0346	-0.0261	-0.0607	-0.0200	-0.0250	0	0
28/08/2008	1.8043%	-0.0369	-0.0271	-0.0640	0.0050	0.0000	0	0
29/08/2008	1.8647%	-0.0377	-0.0269	-0.0646	0.0050	-0.0050	0	0
01/09/2008	1.9831%	-0.0397	-0.0266	-0.0663	0.0000	-0.0050	0	0
02/09/2008	2.1208%	-0.0423	-0.0266	-0.0689	0.0000	-0.0050	0	0
03/09/2008	2.1172%	-0.0422	-0.0266	-0.0689	-0.0100	-0.0150	0	0
04/09/2008	2.1189%	-0.0431	-0.0271	-0.0702	-0.0100	-0.0150	0	0
05/09/2008	2.2777%	-0.0470	-0.0276	-0.0746	0.0000	-0.0050	0	0
08/09/2008	2.1185%	-0.0439	-0.0276	-0.0715	0.0150	0.0100	0	0
09/09/2008	2.2380%	-0.0450	-0.0269	-0.0718	-0.0050	-0.0150	0	0
10/09/2008	1.7670%	-0.0362	-0.0271	-0.0633	-0.0200	-0.0250	0	0
11/09/2008	1.6884%	-0.0359	-0.0281	-0.0640	-0.0100	-0.0150	0	0
12/09/2008	1.5925%	-0.0345	-0.0286	-0.0631	-0.0100	-0.0150	0	0
15/09/2008	1.6631%	-0.0366	-0.0291	-0.0657	0.0000	-0.0050	0	0
16/09/2008	1.5658%	-0.0345	-0.0291	-0.0636	-0.0100	-0.0150	0	0
17/09/2008	1.5859%	-0.0356	-0.0296	-0.0652	-0.0050	-0.0100	0	0
18/09/2008	1.6553%	-0.0374	-0.0299	-0.0672	0.0000	-0.0100	0	0
19/09/2008	1.6956%	-0.0383	-0.0299	-0.0681	-0.0050	-0.0150	0	0
22/09/2008	1.6204%	-0.0369	-0.0301	-0.0670	-0.0100	-0.0150	0	0

23/09/2008	1.6961%	-0.0392	-0.0306	-0.0698	0.0000	-0.0050	0	0
24/09/2008	1.7463%	-0.0403	-0.0306	-0.0709	0.0050	0.0000	0	0
25/09/2008	1.8065%	-0.0413	-0.0304	-0.0717	-0.0050	-0.0150	0	0
26/09/2008	1.7678%	-0.0408	-0.0306	-0.0714	-0.0100	-0.0150	0	0
29/09/2008	1.7186%	-0.0404	-0.0311	-0.0715	0.0100	0.0050	0	0
30/09/2008	1.6556%	-0.0383	-0.0306	-0.0689	-0.0100	-0.0150	0	0
01/10/2008	1.6992%	-0.0399	-0.0311	-0.0710	-0.0050	-0.0100	0	0
02/10/2008	1.7525%	-0.0415	-0.0314	-0.0728	-0.0050	-0.0150	0	0
03/10/2008	1.8518%	-0.0441	-0.0316	-0.0757	0.0000	-0.0050	0	0
06/10/2008	1.9681%	-0.0467	-0.0316	-0.0783	0.0000	-0.0050	0	0
07/10/2008	2.1033%	-0.0498	-0.0316	-0.0814	0.0000	-0.0050	0	0
09/10/2008	1.9923%	-0.0473	-0.0316	-0.0789	-0.0150	-0.0200	0	0
10/10/2008	1.8594%	-0.0453	-0.0323	-0.0777	-0.0150	-0.0250	0	0
13/10/2008	1.8518%	-0.0462	-0.0331	-0.0793	0.0100	0.0050	0	0
14/10/2008	1.8383%	-0.0452	-0.0326	-0.0777	0.0100	0.0050	0	0
15/10/2008	1.8215%	-0.0441	-0.0321	-0.0762	-0.0100	-0.0150	0	0
16/10/2008	1.6173%	-0.0399	-0.0326	-0.0725	0.0150	0.0100	0	0
17/10/2008	1.6542%	-0.0398	-0.0318	-0.0717	0.0050	-0.0050	0	0
20/10/2008	1.7362%	-0.0414	-0.0316	-0.0730	0.0000	-0.0050	0	0
21/10/2008	1.8327%	-0.0436	-0.0316	-0.0752	0.0000	-0.0050	0	0
22/10/2008	1.9120%	-0.0455	-0.0316	-0.0771	0.0050	0.0000	0	0
23/10/2008	1.7318%	-0.0410	-0.0314	-0.0723	-0.0150	-0.0250	0	0
24/10/2008	1.6871%	-0.0409	-0.0321	-0.0730	-0.0100	-0.0150	0	0
27/10/2008	1.7749%	-0.0436	-0.0326	-0.0762	0.0000	-0.0050	0	0
28/10/2008	1.8458%	-0.0453	-0.0326	-0.0779	-0.0050	-0.0100	0	0
29/10/2008	1.9305%	-0.0477	-0.0328	-0.0805	-0.0050	-0.0150	0	0
30/10/2008	2.0597%	-0.0511	-0.0331	-0.0842	0.0000	-0.0050	0	0
31/10/2008	2.1016%	-0.0521	-0.0331	-0.0852	-0.0100	-0.0150	0	0
03/11/2008	2.0110%	-0.0507	-0.0336	-0.0843	0.0150	0.0100	0	0
04/11/2008	2.1248%	-0.0523	-0.0328	-0.0851	0.0050	-0.0050	0	0
05/11/2008	2.2576%	-0.0550	-0.0326	-0.0876	0.0050	0.0000	0	0
06/11/2008	2.4121%	-0.0582	-0.0323	-0.0905	-0.0050	-0.0150	0	0
07/11/2008	2.6144%	-0.0633	-0.0326	-0.0959	0.0000	-0.0050	0	0
10/11/2008	1.9780%	-0.0485	-0.0326	-0.0811	-0.0300	-0.0350	0	0
11/11/2008	2.0086%	-0.0514	-0.0341	-0.0855	-0.0100	-0.0150	0	0
12/11/2008	2.1252%	-0.0551	-0.0346	-0.0897	-0.0050	-0.0100	0	0
13/11/2008	1.6288%	-0.0429	-0.0348	-0.0778	-0.0250	-0.0350	0	0
14/11/2008	1.7061%	-0.0465	-0.0361	-0.0826	0.0000	-0.0050	0	0
17/11/2008	1.6849%	-0.0459	-0.0361	-0.0820	-0.0100	-0.0150	0	0
18/11/2008	1.7724%	-0.0489	-0.0366	-0.0855	0.0000	-0.0050	0	0
19/11/2008	1.7678%	-0.0488	-0.0366	-0.0854	0.0100	0.0050	0	0
24/11/2008	1.8698%	-0.0508	-0.0361	-0.0869	0.0000	-0.0050	0	0
25/11/2008	1.8880%	-0.0513	-0.0361	-0.0874	-0.0100	-0.0150	0	0
26/11/2008	1.9104%	-0.0526	-0.0366	-0.0892	0.0100	0.0050	0	0
27/11/2008	2.0363%	-0.0552	-0.0361	-0.0912	0.0000	-0.0050	0	0
28/11/2008	2.1597%	-0.0584	-0.0361	-0.0944	-0.0050	-0.0100	0	0

01/12/2008	2.2402%	-0.0609	-0.0363	-0.0972	-0.0100	-0.0200	0	0
02/12/2008	2.3977%	-0.0658	-0.0368	-0.1027	-0.0050	-0.0150	0	0
03/12/2008	2.5979%	-0.0715	-0.0371	-0.1086	0.0000	-0.0050	0	0
04/12/2008	2.5387%	-0.0700	-0.0371	-0.1071	0.0200	0.0150	0	0
05/12/2008	2.7411%	-0.0732	-0.0361	-0.1093	-0.0050	-0.0100	0	0
09/12/2008	2.8415%	-0.0763	-0.0363	-0.1126	-0.0150	-0.0250	0	0
10/12/2008	3.0433%	-0.0831	-0.0371	-0.1202	-0.0100	-0.0150	0	0
11/12/2008	2.9562%	-0.0819	-0.0376	-0.1195	0.0250	0.0200	0	0
12/12/2008	2.8150%	-0.0756	-0.0363	-0.1120	0.0250	0.0150	0	0
15/12/2008	3.0734%	-0.0794	-0.0351	-0.1144	0.0000	-0.0050	0	0
16/12/2008	2.7768%	-0.0721	-0.0351	-0.1072	-0.0300	-0.0350	0	0
17/12/2008	2.9648%	-0.0800	-0.0366	-0.1166	0.0100	0.0050	0	0
18/12/2008	3.1826%	-0.0843	-0.0361	-0.1204	-0.0100	-0.0150	0	0
19/12/2008	2.9253%	-0.0790	-0.0366	-0.1155	0.0300	0.0250	0	0
22/12/2008	3.1313%	-0.0808	-0.0351	-0.1158	0.0100	0.0050	0	0
23/12/2008	3.3694%	-0.0853	-0.0346	-0.1199	-0.0100	-0.0150	0	0
24/12/2008	3.3133%	-0.0852	-0.0351	-0.1202	0.0250	0.0100	0	0
29/12/2008	3.4985%	-0.0864	-0.0338	-0.1203	-0.0150	-0.0250	0	0
30/12/2008	3.2765%	-0.0831	-0.0346	-0.1177	0.0300	0.0250	0	0
31/12/2008	3.5308%	-0.0852	-0.0331	-0.1183	-0.0100	-0.0150	0	0
05/01/2009	3.8684%	-0.0942	-0.0336	-0.1278	-0.0050	-0.0100	0	0
06/01/2009	3.5144%	-0.0868	-0.0338	-0.1206	0.0350	0.0250	0	0
07/01/2009	2.7172%	-0.0646	-0.0321	-0.0967	-0.0400	-0.0450	0	0
08/01/2009	1.8963%	-0.0487	-0.0341	-0.0827	-0.0350	-0.0400	0	0
09/01/2009	1.7764%	-0.0480	-0.0358	-0.0838	0.0150	0.0050	0	0
12/01/2009	1.7664%	-0.0468	-0.0351	-0.0818	-0.0100	-0.0150	0	0
13/01/2009	1.8682%	-0.0501	-0.0356	-0.0856	0.0000	-0.0050	0	0
14/01/2009	1.9615%	-0.0525	-0.0356	-0.0880	-0.0050	-0.0100	0	0
15/01/2009	2.0957%	-0.0563	-0.0358	-0.0921	0.0000	-0.0100	0	0
16/01/2009	2.2510%	-0.0603	-0.0358	-0.0961	0.0000	-0.0100	0	0
19/01/2009	2.4088%	-0.0643	-0.0358	-0.1002	0.0050	-0.0050	0	0
20/01/2009	2.4324%	-0.0645	-0.0356	-0.1001	-0.0150	-0.0300	0	0
21/01/2009	2.6189%	-0.0706	-0.0363	-0.1070	0.0050	-0.0050	0	0
22/01/2009	2.5652%	-0.0688	-0.0361	-0.1049	-0.0200	-0.0250	0	0
23/01/2009	2.5132%	-0.0693	-0.0371	-0.1064	-0.0200	-0.0250	0	0
26/01/2009	2.7299%	-0.0770	-0.0381	-0.1151	0.0000	-0.0050	0	0
27/01/2009	2.3502%	-0.0668	-0.0381	-0.1048	0.0300	0.0250	0	0
28/01/2009	2.2095%	-0.0605	-0.0366	-0.0970	0.0200	0.0150	0	0
29/01/2009	2.2961%	-0.0610	-0.0356	-0.0966	-0.0100	-0.0150	0	0
30/01/2009	2.4815%	-0.0666	-0.0361	-0.1027	0.0000	-0.0050	0	0
02/02/2009	2.3899%	-0.0643	-0.0361	-0.1004	-0.0200	-0.0250	0	0
03/02/2009	2.5707%	-0.0708	-0.0371	-0.1079	0.0050	0.0000	0	0
04/02/2009	2.6411%	-0.0722	-0.0368	-0.1090	-0.0150	-0.0250	0	0
05/02/2009	2.6012%	-0.0726	-0.0376	-0.1101	0.0200	0.0150	0	0
06/02/2009	2.8131%	-0.0761	-0.0366	-0.1127	0.0050	-0.0100	0	0
09/02/2009	2.4000%	-0.0650	-0.0363	-0.1013	0.0300	0.0100	0	0

10/02/2009	2.5799%	-0.0668	-0.0348	-0.1016	0.0050	-0.0050	0	0
11/02/2009	2.4688%	-0.0636	-0.0346	-0.0982	0.0200	0.0150	0	0
12/02/2009	2.4841%	-0.0621	-0.0336	-0.0957	-0.0150	-0.0200	0	0
13/02/2009	2.6765%	-0.0682	-0.0343	-0.1025	-0.0050	-0.0150	0	0
16/02/2009	2.9160%	-0.0744	-0.0346	-0.1090	0.0000	-0.0050	0	0
17/02/2009	3.1187%	-0.0793	-0.0346	-0.1139	0.0100	0.0050	0	0
18/02/2009	3.2713%	-0.0818	-0.0341	-0.1159	-0.0150	-0.0200	0	0
19/02/2009	3.3518%	-0.0855	-0.0348	-0.1203	-0.0200	-0.0300	0	0
20/02/2009	3.6675%	-0.0956	-0.0358	-0.1315	-0.0050	-0.0150	0	0
23/02/2009	4.0247%	-0.1050	-0.0361	-0.1410	0.0050	0.0000	0	0
24/02/2009	4.3927%	-0.1130	-0.0358	-0.1488	0.0100	0.0000	0	0
25/02/2009	4.8418%	-0.1218	-0.0353	-0.1571	-0.0050	-0.0150	0	0
26/02/2009	5.0163%	-0.1266	-0.0356	-0.1622	-0.0300	-0.0350	0	0
27/02/2009	5.4181%	-0.1414	-0.0371	-0.1785	-0.0200	-0.0250	0	0
02/03/2009	5.1466%	-0.1387	-0.0381	-0.1767	0.0500	0.0350	0	0
03/03/2009	4.0544%	-0.1042	-0.0356	-0.1398	0.0600	0.0550	0	0
04/03/2009	4.4723%	-0.1045	-0.0326	-0.1371	0.0000	-0.0050	0	0
05/03/2009	2.8941%	-0.0697	-0.0326	-0.1023	0.0550	0.0500	0	0
06/03/2009	2.9554%	-0.0651	-0.0299	-0.0949	-0.0150	-0.0250	0	0
09/03/2009	3.2112%	-0.0721	-0.0306	-0.1027	0.0050	0.0000	0	0
10/03/2009	3.3430%	-0.0743	-0.0304	-0.1047	-0.0150	-0.0250	0	0
11/03/2009	3.5965%	-0.0815	-0.0311	-0.1126	0.0100	0.0050	0	0
12/03/2009	3.8879%	-0.0862	-0.0306	-0.1168	-0.0100	-0.0150	0	0
13/03/2009	4.0194%	-0.0904	-0.0311	-0.1215	0.0200	0.0150	0	0
16/03/2009	4.1587%	-0.0903	-0.0301	-0.1204	0.0200	0.0150	0	0
17/03/2009	3.4554%	-0.0735	-0.0291	-0.1026	-0.0400	-0.0450	0	0
18/03/2009	3.5151%	-0.0798	-0.0311	-0.1109	-0.0200	-0.0250	0	0
19/03/2009	3.5876%	-0.0839	-0.0321	-0.1160	0.0200	0.0150	0	0
20/03/2009	2.7482%	-0.0633	-0.0311	-0.0944	-0.0400	-0.0450	0	0
23/03/2009	2.6747%	-0.0656	-0.0331	-0.0987	-0.0200	-0.0250	0	0
24/03/2009	2.8378%	-0.0715	-0.0341	-0.1056	-0.0100	-0.0250	0	0
25/03/2009	3.0299%	-0.0772	-0.0346	-0.1118	-0.0100	-0.0150	0	0
26/03/2009	3.2542%	-0.0837	-0.0351	-0.1188	-0.0100	-0.0150	0	0
27/03/2009	3.5125%	-0.0912	-0.0356	-0.1268	0.0100	0.0050	0	0
30/03/2009	1.7742%	-0.0470	-0.0351	-0.0820	-0.0550	-0.0600	1	0
31/03/2009	1.8530%	-0.0528	-0.0378	-0.0906	0.0050	-0.0050	0	0
01/04/2009	1.7525%	-0.0497	-0.0376	-0.0873	-0.0150	-0.0200	0	0
02/04/2009	1.8278%	-0.0528	-0.0383	-0.0911	0.0050	-0.0050	0	0
03/04/2009	1.9168%	-0.0549	-0.0381	-0.0930	0.0050	0.0000	0	0
06/04/2009	2.0437%	-0.0580	-0.0378	-0.0958	0.0000	-0.0100	0	0
07/04/2009	2.1703%	-0.0615	-0.0378	-0.0993	-0.0050	-0.0150	0	0
08/04/2009	2.1549%	-0.0614	-0.0381	-0.0995	0.0150	0.0100	0	0
13/04/2009	2.2991%	-0.0641	-0.0373	-0.1014	0.0050	-0.0050	0	0
14/04/2009	2.4661%	-0.0681	-0.0371	-0.1051	-0.0050	-0.0100	0	0
15/04/2009	2.5187%	-0.0699	-0.0373	-0.1072	-0.0150	-0.0250	0	0
16/04/2009	2.7200%	-0.0767	-0.0381	-0.1148	-0.0050	-0.0100	0	0

17/04/2009	2.8261%	-0.0801	-0.0383	-0.1184	0.0150	0.0050	0	0
20/04/2009	3.0271%	-0.0838	-0.0376	-0.1213	-0.0100	-0.0150	0	0
21/04/2009	3.0852%	-0.0864	-0.0381	-0.1245	0.0200	0.0150	0	0
22/04/2009	2.8105%	-0.0771	-0.0371	-0.1141	0.0300	0.0250	0	0
23/04/2009	1.7985%	-0.0483	-0.0356	-0.0838	-0.0400	-0.0450	0	0
24/04/2009	1.8817%	-0.0532	-0.0376	-0.0908	-0.0050	-0.0100	0	0
27/04/2009	1.9801%	-0.0563	-0.0378	-0.0941	0.0050	-0.0050	0	0
28/04/2009	2.1173%	-0.0596	-0.0376	-0.0972	0.0000	-0.0050	0	0
29/04/2009	2.2555%	-0.0634	-0.0376	-0.1009	0.0050	0.0000	0	0
30/04/2009	2.3586%	-0.0657	-0.0373	-0.1030	-0.0100	-0.0200	0	0
04/05/2009	2.5532%	-0.0718	-0.0378	-0.1096	0.0000	-0.0100	0	0
05/05/2009	2.7594%	-0.0773	-0.0378	-0.1151	-0.0050	-0.0150	0	0
06/05/2009	2.7700%	-0.0781	-0.0381	-0.1161	-0.0200	-0.0250	0	0
07/05/2009	2.7954%	-0.0808	-0.0391	-0.1199	-0.0200	-0.0250	0	0
08/05/2009	3.0379%	-0.0896	-0.0401	-0.1297	0.0050	0.0000	0	0
11/05/2009	3.2120%	-0.0939	-0.0398	-0.1337	0.0150	-0.0050	0	0
12/05/2009	3.5232%	-0.1004	-0.0391	-0.1395	0.0000	-0.0050	0	0
13/05/2009	3.7001%	-0.1051	-0.0391	-0.1442	-0.0200	-0.0250	0	0
14/05/2009	4.0640%	-0.1176	-0.0401	-0.1576	-0.0050	-0.0100	0	0
15/05/2009	2.3459%	-0.0706	-0.0403	-0.1109	0.0650	0.0550	0	0
18/05/2009	2.5202%	-0.0695	-0.0371	-0.1066	-0.0050	-0.0100	0	0
19/05/2009	2.5778%	-0.0715	-0.0373	-0.1088	0.0150	0.0050	0	0
20/05/2009	2.8036%	-0.0759	-0.0366	-0.1124	0.0000	-0.0050	0	0
21/05/2009	3.0606%	-0.0824	-0.0366	-0.1190	0.0000	-0.0050	0	0
22/05/2009	3.2930%	-0.0883	-0.0366	-0.1249	0.0100	0.0050	0	0
25/05/2009	3.5586%	-0.0936	-0.0361	-0.1297	0.0100	0.0050	0	0
26/05/2009	2.4067%	-0.0638	-0.0356	-0.0994	-0.0500	-0.0550	0	0
27/05/2009	2.5381%	-0.0718	-0.0381	-0.1099	0.0100	0.0050	0	0
28/05/2009	2.1075%	-0.0594	-0.0376	-0.0969	-0.0300	-0.0350	0	0
29/05/2009	2.1896%	-0.0640	-0.0391	-0.1031	-0.0100	-0.0150	0	0
01/06/2009	2.1993%	-0.0651	-0.0396	-0.1047	-0.0150	-0.0200	0	0
02/06/2009	2.3534%	-0.0708	-0.0403	-0.1111	0.0050	-0.0050	0	0
03/06/2009	2.4824%	-0.0740	-0.0401	-0.1141	0.0100	0.0050	0	0
04/06/2009	2.4442%	-0.0720	-0.0396	-0.1116	-0.0200	-0.0250	0	0
05/06/2009	2.3961%	-0.0725	-0.0406	-0.1130	0.0200	0.0150	0	0
08/06/2009	2.5800%	-0.0758	-0.0396	-0.1154	0.0050	0.0000	0	0
09/06/2009	2.2309%	-0.0656	-0.0393	-0.1049	-0.0300	-0.0400	0	0
10/06/2009	2.3422%	-0.0713	-0.0408	-0.1121	-0.0100	-0.0200	0	0
11/06/2009	2.5195%	-0.0774	-0.0413	-0.1187	-0.0050	-0.0150	0	0
12/06/2009	2.7235%	-0.0838	-0.0416	-0.1254	-0.0050	-0.0100	0	0
15/06/2009	2.9695%	-0.0915	-0.0418	-0.1333	0.0000	-0.0100	0	0
16/06/2009	2.9598%	-0.0913	-0.0418	-0.1331	-0.0250	-0.0350	0	0
17/06/2009	3.0564%	-0.0969	-0.0430	-0.1399	0.0200	0.0150	0	0
18/06/2009	3.3363%	-0.1027	-0.0421	-0.1448	-0.0050	-0.0100	0	0
19/06/2009	3.4985%	-0.1080	-0.0423	-0.1503	0.0200	0.0100	0	0
22/06/2009	3.8075%	-0.1141	-0.0413	-0.1554	-0.0100	-0.0200	0	0

23/06/2009	4.1859%	-0.1261	-0.0418	-0.1679	-0.0050	-0.0150	0	0
24/06/2009	4.3151%	-0.1304	-0.0421	-0.1725	0.0300	0.0250	0	0
25/06/2009	4.6348%	-0.1343	-0.0406	-0.1749	-0.0200	-0.0250	0	0
26/06/2009	5.0943%	-0.1499	-0.0416	-0.1915	0.0100	0.0050	0	0
30/06/2009	4.8625%	-0.1420	-0.0411	-0.1831	0.0500	0.0450	0	0
01/07/2009	4.1639%	-0.1158	-0.0386	-0.1543	-0.0600	-0.0650	0	0
02/07/2009	4.3034%	-0.1286	-0.0416	-0.1701	-0.0300	-0.0350	0	0
03/07/2009	4.3616%	-0.1348	-0.0430	-0.1779	0.0350	0.0300	0	0
06/07/2009	4.0898%	-0.1219	-0.0413	-0.1633	0.0450	0.0350	0	0
07/07/2009	4.5122%	-0.1262	-0.0391	-0.1653	0.0000	-0.0050	0	0
08/07/2009	4.6580%	-0.1300	-0.0391	-0.1690	0.0300	0.0250	0	0
09/07/2009	5.0096%	-0.1335	-0.0376	-0.1711	-0.0200	-0.0250	0	0
10/07/2009	4.9084%	-0.1346	-0.0386	-0.1731	-0.0450	-0.0500	0	0
13/07/2009	4.7100%	-0.1371	-0.0408	-0.1779	-0.0500	-0.0600	0	0
14/07/2009	4.9728%	-0.1529	-0.0433	-0.1962	-0.0300	-0.0500	0	0
15/07/2009	4.1131%	-0.1329	-0.0448	-0.1777	-0.0750	-0.1250	0	0
16/07/2009	4.1503%	-0.1452	-0.0485	-0.1937	-0.0400	-0.1650	0	0
17/07/2009	3.9566%	-0.1446	-0.0505	-0.1951	0.0500	-0.0350	0	0
20/07/2009	2.9668%	-0.1051	-0.0480	-0.1531	-0.0700	-0.0850	0	0
21/07/2009	3.2152%	-0.1215	-0.0515	-0.1731	0.0100	-0.0550	0	0
22/07/2009	3.1497%	-0.1181	-0.0510	-0.1691	0.0350	-0.0400	0	0
23/07/2009	2.6188%	-0.0958	-0.0493	-0.1450	-0.0500	-0.0600	0	0
24/07/2009	2.7721%	-0.1062	-0.0518	-0.1579	0.0150	-0.0450	0	0
30/07/2009	2.8877%	-0.1088	-0.0510	-0.1598	0.0200	-0.0550	0	0
31/07/2009	3.0250%	-0.1114	-0.0500	-0.1615	-0.0200	-0.0550	0	0
03/08/2009	3.3041%	-0.1235	-0.0510	-0.1745	0.0050	-0.0100	0	0
04/08/2009	3.6272%	-0.1341	-0.0508	-0.1848	0.0000	-0.0300	0	0
05/08/2009	3.9356%	-0.1446	-0.0508	-0.1954	-0.0150	-0.0450	0	0
06/08/2009	3.9782%	-0.1482	-0.0515	-0.1997	-0.0400	-0.0550	0	0
07/08/2009	2.8868%	-0.1141	-0.0535	-0.1676	0.0750	0.0000	0	0
10/08/2009	3.1214%	-0.1142	-0.0498	-0.1640	0.0100	0.0000	0	0
11/08/2009	3.3892%	-0.1221	-0.0493	-0.1714	0.0100	-0.0100	0	0
12/08/2009	2.5490%	-0.0924	-0.0488	-0.1412	-0.0600	-0.0900	0	0
13/08/2009	2.7708%	-0.1061	-0.0518	-0.1579	0.0000	-0.0400	0	0
14/08/2009	3.0233%	-0.1153	-0.0518	-0.1670	0.0000	-0.0400	0	0
17/08/2009	3.3024%	-0.1252	-0.0518	-0.1770	0.0050	-0.0350	0	0
18/08/2009	2.9155%	-0.1108	-0.0515	-0.1624	-0.0500	-0.0850	0	0
19/08/2009	2.8386%	-0.1133	-0.0540	-0.1673	-0.0350	-0.1200	0	0
20/08/2009	2.2937%	-0.0955	-0.0557	-0.1512	0.0500	0.0000	0	0
21/08/2009	2.3242%	-0.0924	-0.0532	-0.1456	0.0200	0.0000	0	0
24/08/2009	2.3615%	-0.0921	-0.0523	-0.1443	-0.0200	-0.0500	0	0
25/08/2009	2.4762%	-0.0981	-0.0532	-0.1514	-0.0150	-0.0350	0	0
26/08/2009	2.6542%	-0.1063	-0.0540	-0.1603	0.0100	-0.0050	0	0
27/08/2009	2.8907%	-0.1142	-0.0535	-0.1677	0.0000	-0.0250	0	0
28/08/2009	2.1882%	-0.0876	-0.0535	-0.1411	-0.0550	-0.0800	0	0
31/08/2009	2.1247%	-0.0895	-0.0562	-0.1458	0.0250	-0.0150	0	0

01/09/2009	2.1267%	-0.0876	-0.0550	-0.1426	0.0200	0.0050	0	0
02/09/2009	2.2770%	-0.0919	-0.0540	-0.1459	0.0050	-0.0100	0	0
03/09/2009	2.3776%	-0.0953	-0.0537	-0.1490	-0.0150	-0.0350	0	0
04/09/2009	1.9862%	-0.0813	-0.0545	-0.1358	-0.0400	-0.0550	0	0
07/09/2009	2.0380%	-0.0864	-0.0565	-0.1429	-0.0150	-0.0500	0	0
08/09/2009	2.1003%	-0.0901	-0.0572	-0.1474	0.0150	-0.0050	0	0
09/09/2009	1.7796%	-0.0758	-0.0565	-0.1323	-0.0350	-0.0700	0	0
10/09/2009	1.7112%	-0.0753	-0.0582	-0.1335	0.0200	-0.0100	0	0
11/09/2009	1.7924%	-0.0774	-0.0572	-0.1346	-0.0050	-0.0550	0	0
14/09/2009	1.8883%	-0.0817	-0.0575	-0.1392	0.0050	-0.0400	0	0
15/09/2009	1.7543%	-0.0758	-0.0572	-0.1330	-0.0250	-0.0750	0	0
16/09/2009	1.8437%	-0.0812	-0.0585	-0.1397	0.0050	-0.0200	0	0
17/09/2009	1.8702%	-0.0820	-0.0582	-0.1402	-0.0150	-0.0450	0	0
18/09/2009	1.9802%	-0.0878	-0.0590	-0.1467	-0.0050	-0.0300	0	0
21/09/2009	2.0365%	-0.0905	-0.0592	-0.1498	0.0150	-0.0450	0	0
22/09/2009	2.1826%	-0.0955	-0.0585	-0.1540	0.0000	-0.0250	0	0
23/09/2009	2.2786%	-0.0996	-0.0585	-0.1580	-0.0150	-0.0900	0	0
24/09/2009	2.4540%	-0.1082	-0.0592	-0.1674	-0.0050	-0.0650	0	0
25/09/2009	2.4811%	-0.1098	-0.0595	-0.1693	0.0250	-0.0300	0	0
28/09/2009	2.5756%	-0.1114	-0.0582	-0.1696	0.0200	-0.0100	0	0
29/09/2009	2.5276%	-0.1076	-0.0572	-0.1648	0.0300	-0.0200	0	0
30/09/2009	2.4668%	-0.1024	-0.0557	-0.1581	-0.0300	-0.0500	0	0
01/10/2009	2.4047%	-0.1026	-0.0572	-0.1598	-0.0300	-0.0800	0	0
02/10/2009	2.3402%	-0.1026	-0.0587	-0.1613	-0.0300	-0.0400	0	0
05/10/2009	2.2576%	-0.1016	-0.0602	-0.1618	0.0300	-0.0100	0	0
06/10/2009	2.4374%	-0.1066	-0.0587	-0.1653	0.0000	-0.0200	0	0
07/10/2009	1.8426%	-0.0815	-0.0587	-0.1402	-0.0500	-0.0700	0	0
09/10/2009	1.7180%	-0.0794	-0.0612	-0.1406	0.0250	-0.0450	0	0
12/10/2009	1.8013%	-0.0815	-0.0600	-0.1414	0.0050	-0.0400	0	0
13/10/2009	1.9091%	-0.0858	-0.0597	-0.1455	0.0000	-0.0500	0	0
14/10/2009	2.0348%	-0.0912	-0.0597	-0.1509	0.0000	-0.0500	0	0
15/10/2009	2.1806%	-0.0975	-0.0597	-0.1572	0.0000	-0.0500	0	0
16/10/2009	2.3175%	-0.1033	-0.0597	-0.1630	0.0100	-0.0400	0	0
19/10/2009	2.4382%	-0.1076	-0.0592	-0.1668	0.0150	-0.0450	0	0
20/10/2009	2.6153%	-0.1135	-0.0585	-0.1720	0.0100	-0.0650	0	0
21/10/2009	2.5987%	-0.1119	-0.0580	-0.1699	-0.0300	-0.0950	0	0
22/10/2009	2.5908%	-0.1144	-0.0595	-0.1739	-0.0300	-0.0850	0	0
23/10/2009	2.8184%	-0.1271	-0.0610	-0.1880	0.0000	-0.0750	0	0
26/10/2009	3.0267%	-0.1359	-0.0610	-0.1969	-0.0150	-0.0900	0	0
27/10/2009	3.3085%	-0.1496	-0.0617	-0.2113	-0.0050	-0.0650	0	0
28/10/2009	3.3118%	-0.1503	-0.0620	-0.2123	0.0400	-0.0050	0	0
29/10/2009	2.7319%	-0.1214	-0.0600	-0.1813	-0.0650	-0.1300	0	0
30/10/2009	2.9736%	-0.1386	-0.0632	-0.2018	-0.0050	-0.0350	0	0
02/11/2009	3.2093%	-0.1495	-0.0634	-0.2129	-0.0150	-0.0400	0	0
03/11/2009	3.0219%	-0.1429	-0.0642	-0.2071	0.0500	0.0000	0	0
04/11/2009	2.9497%	-0.1343	-0.0617	-0.1960	0.0400	-0.0600	0	0

05/11/2009	2.8577%	-0.1261	-0.0597	-0.1858	-0.0400	-0.0800	0	0
06/11/2009	3.1003%	-0.1407	-0.0617	-0.2024	-0.0100	-0.0900	0	0
09/11/2009	3.3773%	-0.1537	-0.0622	-0.2159	-0.0100	-0.1100	0	0
10/11/2009	2.6361%	-0.1227	-0.0627	-0.1854	0.0700	-0.0200	0	0
11/11/2009	2.8124%	-0.1232	-0.0592	-0.1824	-0.0150	-0.0350	0	0
12/11/2009	2.2964%	-0.1029	-0.0600	-0.1628	-0.0550	-0.2000	0	1
13/11/2009	2.3754%	-0.1111	-0.0627	-0.1738	-0.0200	-0.1100	0	0
16/11/2009	2.4095%	-0.1144	-0.0637	-0.1781	0.0250	-0.0450	0	0
17/11/2009	2.2894%	-0.1068	-0.0625	-0.1693	-0.0350	-0.0600	0	0
18/11/2009	1.5761%	-0.0766	-0.0642	-0.1408	-0.0550	-0.1350	0	0
19/11/2009	1.4121%	-0.0718	-0.0669	-0.1387	-0.0250	-0.0400	0	0
20/11/2009	1.4470%	-0.0749	-0.0682	-0.1431	0.0000	-0.0200	0	0
23/11/2009	1.4892%	-0.0770	-0.0682	-0.1452	0.0000	-0.0200	0	0
24/11/2009	1.5307%	-0.0791	-0.0682	-0.1473	0.0050	-0.0150	0	0
25/11/2009	1.5808%	-0.0813	-0.0679	-0.1492	-0.0050	-0.0300	0	0
26/11/2009	1.6407%	-0.0846	-0.0682	-0.1528	0.0050	-0.0150	0	0
27/11/2009	1.7120%	-0.0878	-0.0679	-0.1558	0.0050	-0.0300	0	0
30/11/2009	1.7334%	-0.0886	-0.0677	-0.1563	-0.0150	-0.0550	0	0
01/12/2009	1.8294%	-0.0943	-0.0684	-0.1628	0.0000	-0.0250	0	0
02/12/2009	1.7589%	-0.0908	-0.0684	-0.1593	-0.0250	-0.0500	0	0
03/12/2009	1.7931%	-0.0942	-0.0697	-0.1639	0.0150	-0.0050	0	0
04/12/2009	1.7831%	-0.0927	-0.0689	-0.1616	-0.0200	-0.0550	0	0
07/12/2009	1.8593%	-0.0979	-0.0699	-0.1678	0.0100	-0.0050	0	0
09/12/2009	1.9700%	-0.1028	-0.0694	-0.1722	0.0050	-0.0400	0	0
10/12/2009	2.0799%	-0.1079	-0.0692	-0.1771	-0.0100	-0.0500	0	0
11/12/2009	2.2327%	-0.1163	-0.0697	-0.1860	0.0000	-0.0300	0	0
14/12/2009	2.3867%	-0.1240	-0.0697	-0.1937	-0.0100	-0.0400	0	0
15/12/2009	2.3166%	-0.1214	-0.0702	-0.1915	0.0350	-0.0050	0	0
16/12/2009	2.4827%	-0.1264	-0.0684	-0.1949	0.0100	-0.0150	0	0
17/12/2009	2.6900%	-0.1355	-0.0679	-0.2034	-0.0050	-0.0200	0	0
18/12/2009	2.9122%	-0.1466	-0.0682	-0.2147	0.0100	-0.0100	0	0
21/12/2009	3.0164%	-0.1504	-0.0677	-0.2181	0.0300	0.0200	0	0
22/12/2009	3.2839%	-0.1593	-0.0662	-0.2255	0.0100	-0.0500	0	0
23/12/2009	3.6044%	-0.1725	-0.0657	-0.2382	0.0000	-0.0500	0	0
24/12/2009	2.9312%	-0.1421	-0.0657	-0.2078	0.0750	0.0250	0	0
28/12/2009	2.7289%	-0.1253	-0.0620	-0.1872	0.0450	-0.1000	0	0
29/12/2009	2.9757%	-0.1310	-0.0597	-0.1907	0.0000	-0.0900	0	0
30/12/2009	2.8640%	-0.1264	-0.0597	-0.1861	0.0400	-0.0100	0	0
31/12/2009	2.7192%	-0.1163	-0.0577	-0.1740	-0.0400	-0.1000	0	0
04/01/2010	2.5586%	-0.1136	-0.0597	-0.1733	-0.0400	-0.0900	0	0
05/01/2010	2.1162%	-0.0979	-0.0617	-0.1596	-0.0500	-0.1900	0	1
06/01/2010	1.9181%	-0.0926	-0.0642	-0.1568	-0.0350	-0.1250	0	0
07/01/2010	2.0163%	-0.0998	-0.0659	-0.1658	-0.0100	-0.0650	0	0
08/01/2010	2.0980%	-0.1045	-0.0664	-0.1709	-0.0150	-0.0600	0	0
11/01/2010	2.1951%	-0.1104	-0.0672	-0.1775	0.0150	-0.0150	0	0
12/01/2010	2.2628%	-0.1124	-0.0664	-0.1788	0.0200	-0.0250	0	0

13/01/2010	2.1285%	-0.1044	-0.0654	-0.1698	-0.0350	-0.0900	0	0
14/01/2010	2.1881%	-0.1100	-0.0672	-0.1772	-0.0200	-0.0500	0	0
15/01/2010	2.3574%	-0.1199	-0.0682	-0.1881	0.0000	-0.0300	0	0
18/01/2010	2.5029%	-0.1270	-0.0682	-0.1951	-0.0150	-0.0450	0	0
19/01/2010	2.3658%	-0.1216	-0.0689	-0.1906	0.0400	-0.0250	0	0
20/01/2010	2.2770%	-0.1139	-0.0669	-0.1808	-0.0350	-0.0700	0	0
21/01/2010	2.4540%	-0.1255	-0.0687	-0.1942	-0.0050	-0.0750	0	0
22/01/2010	2.6624%	-0.1361	-0.0689	-0.2050	0.0000	-0.0650	0	0
25/01/2010	2.8251%	-0.1440	-0.0689	-0.2129	-0.0200	-0.0850	0	0
26/01/2010	2.7030%	-0.1401	-0.0699	-0.2100	0.0450	0.0000	0	0
27/01/2010	2.6118%	-0.1312	-0.0677	-0.1989	0.0400	0.0000	0	0
28/01/2010	2.8423%	-0.1380	-0.0657	-0.2037	0.0000	-0.0200	0	0
29/01/2010	2.9299%	-0.1420	-0.0657	-0.2077	-0.0300	-0.0600	0	0
01/02/2010	2.7008%	-0.1345	-0.0672	-0.2017	0.0500	0.0000	0	0
02/02/2010	2.8599%	-0.1367	-0.0647	-0.2014	-0.0200	-0.0700	0	0
03/02/2010	3.0815%	-0.1490	-0.0657	-0.2146	-0.0150	-0.0450	0	0
04/02/2010	3.2120%	-0.1566	-0.0664	-0.2231	0.0300	-0.0350	0	0
05/02/2010	3.3668%	-0.1600	-0.0649	-0.2250	-0.0300	-0.0750	0	0
08/02/2010	2.5712%	-0.1269	-0.0664	-0.1934	-0.0800	-0.0950	0	0
09/02/2010	2.4894%	-0.1305	-0.0704	-0.2009	-0.0400	-0.0750	0	0
10/02/2010	2.6982%	-0.1448	-0.0724	-0.2172	-0.0050	-0.0500	0	0
11/02/2010	2.5934%	-0.1400	-0.0727	-0.2126	-0.0450	-0.0850	0	0
12/02/2010	2.3943%	-0.1337	-0.0749	-0.2086	-0.0500	-0.1450	0	0
15/02/2010	2.2431%	-0.1298	-0.0774	-0.2072	-0.0450	-0.0500	0	0
16/02/2010	2.4207%	-0.1436	-0.0796	-0.2233	0.0000	-0.0200	0	0
17/02/2010	2.6204%	-0.1549	-0.0796	-0.2345	-0.0050	-0.0250	0	0
18/02/2010	2.8203%	-0.1666	-0.0799	-0.2465	-0.0150	-0.0600	0	0
19/02/2010	2.9588%	-0.1759	-0.0806	-0.2566	0.0300	0.0000	0	0
22/02/2010	3.0801%	-0.1793	-0.0791	-0.2585	-0.0350	-0.0950	0	0
23/02/2010	2.7092%	-0.1624	-0.0809	-0.2432	0.0700	0.0450	0	0
24/02/2010	2.9496%	-0.1684	-0.0774	-0.2458	-0.0050	-0.1100	0	0
25/02/2010	2.9362%	-0.1682	-0.0776	-0.2458	0.0450	-0.0650	0	0
26/02/2010	2.9007%	-0.1615	-0.0754	-0.2369	0.0450	-0.0400	0	0
01/03/2010	2.9097%	-0.1571	-0.0732	-0.2303	0.0400	0.0100	0	0
02/03/2010	3.1809%	-0.1663	-0.0712	-0.2374	0.0000	-0.0100	0	0
03/03/2010	3.4735%	-0.1805	-0.0712	-0.2517	-0.0100	-0.0400	0	0
04/03/2010	3.7337%	-0.1945	-0.0717	-0.2661	0.0250	-0.0350	0	0
05/03/2010	4.0833%	-0.2076	-0.0704	-0.2780	-0.0150	-0.0500	0	0
08/03/2010	4.4600%	-0.2275	-0.0712	-0.2987	-0.0200	-0.0300	0	0
09/03/2010	4.9253%	-0.2526	-0.0722	-0.3247	0.0050	-0.0450	0	0
10/03/2010	5.4123%	-0.2740	-0.0719	-0.3460	0.0200	-0.0350	0	0
11/03/2010	5.9421%	-0.2938	-0.0709	-0.3647	-0.0250	-0.1000	0	0
12/03/2010	6.5396%	-0.3254	-0.0722	-0.3975	0.0250	-0.0250	0	0
15/03/2010	7.2105%	-0.3482	-0.0709	-0.4191	0.0250	-0.0500	0	0
16/03/2010	4.9576%	-0.2453	-0.0697	-0.3150	0.1800	0.0800	0	0
17/03/2010	5.4729%	-0.2337	-0.0607	-0.2944	0.0100	-0.0700	0	0

18/03/2010	2.7508%	-0.1227	-0.0602	-0.1829	0.1350	0.0950	0	0
19/03/2010	2.4503%	-0.0976	-0.0535	-0.1511	0.0400	-0.0350	0	0
22/03/2010	2.1441%	-0.0827	-0.0515	-0.1342	0.0350	0.0000	0	0
23/03/2010	2.2954%	-0.0853	-0.0498	-0.1351	0.0050	-0.0150	0	0
24/03/2010	1.8653%	-0.0696	-0.0495	-0.1191	0.0350	0.0200	0	0
25/03/2010	1.9838%	-0.0712	-0.0478	-0.1190	0.0000	-0.0200	0	0
26/03/2010	2.1215%	-0.0760	-0.0478	-0.1237	0.0000	-0.0200	0	0
29/03/2010	2.2808%	-0.0814	-0.0478	-0.1292	0.0000	-0.0200	0	0
30/03/2010	2.1492%	-0.0769	-0.0478	-0.1247	0.0250	0.0050	0	0
31/03/2010	2.3126%	-0.0804	-0.0465	-0.1269	0.0000	-0.0050	0	0
05/04/2010	2.5005%	-0.0866	-0.0465	-0.1331	0.0000	-0.0150	0	0
06/04/2010	2.5376%	-0.0878	-0.0465	-0.1343	-0.0200	-0.0350	0	0
07/04/2010	2.7155%	-0.0956	-0.0475	-0.1432	0.0100	-0.0150	0	0
08/04/2010	2.7097%	-0.0944	-0.0470	-0.1415	-0.0250	-0.0600	0	0
09/04/2010	2.9443%	-0.1049	-0.0483	-0.1531	0.0050	-0.0050	0	0
12/04/2010	3.1422%	-0.1109	-0.0480	-0.1589	-0.0150	-0.0300	0	0
13/04/2010	3.0173%	-0.1084	-0.0488	-0.1572	0.0350	0.0150	0	0
14/04/2010	3.2211%	-0.1112	-0.0470	-0.1582	0.0150	-0.0200	0	0
15/04/2010	2.6010%	-0.0894	-0.0463	-0.1357	-0.0500	-0.0900	0	0
16/04/2010	1.8440%	-0.0678	-0.0488	-0.1165	0.0450	0.0250	0	0
19/04/2010	1.5183%	-0.0536	-0.0465	-0.1001	0.0250	-0.0200	0	0
20/04/2010	1.5545%	-0.0533	-0.0453	-0.0986	0.0050	-0.0150	0	0
21/04/2010	1.5980%	-0.0545	-0.0450	-0.0995	0.0050	-0.0100	0	0
22/04/2010	1.6501%	-0.0559	-0.0448	-0.1007	0.0050	-0.0150	0	0
23/04/2010	1.7123%	-0.0576	-0.0445	-0.1021	0.0050	-0.0100	0	0
26/04/2010	1.8046%	-0.0603	-0.0443	-0.1046	0.0000	-0.0300	0	0
27/04/2010	1.8436%	-0.0615	-0.0443	-0.1058	-0.0100	-0.0300	0	0
28/04/2010	1.9585%	-0.0659	-0.0448	-0.1107	0.0000	-0.0200	0	0
29/04/2010	1.9463%	-0.0656	-0.0448	-0.1103	0.0150	-0.0050	0	0
30/04/2010	2.0619%	-0.0681	-0.0440	-0.1122	0.0050	-0.0200	0	0
03/05/2010	2.1965%	-0.0720	-0.0438	-0.1158	0.0050	-0.0150	0	0
04/05/2010	1.4586%	-0.0482	-0.0435	-0.0918	0.0350	0.0200	0	0
05/05/2010	1.5031%	-0.0477	-0.0418	-0.0895	0.0000	-0.0100	0	0
06/05/2010	1.5325%	-0.0486	-0.0418	-0.0904	0.0050	-0.0050	0	0
07/05/2010	1.5681%	-0.0494	-0.0416	-0.0909	-0.0050	-0.0200	0	0
10/05/2010	1.6341%	-0.0517	-0.0418	-0.0935	0.0000	-0.0100	0	0
11/05/2010	1.6906%	-0.0534	-0.0418	-0.0952	0.0050	-0.0050	0	0
12/05/2010	1.7578%	-0.0551	-0.0416	-0.0967	0.0050	0.0000	0	0
13/05/2010	1.8581%	-0.0578	-0.0413	-0.0991	0.0000	-0.0100	0	0
14/05/2010	1.6491%	-0.0515	-0.0413	-0.0928	-0.0200	-0.0300	0	0
17/05/2010	1.7301%	-0.0553	-0.0423	-0.0976	0.0000	-0.0100	0	0
18/05/2010	1.7457%	-0.0557	-0.0423	-0.0980	-0.0100	-0.0200	0	0
19/05/2010	1.7649%	-0.0570	-0.0428	-0.0998	0.0100	-0.0100	0	0
20/05/2010	1.5347%	-0.0492	-0.0423	-0.0915	-0.0200	-0.0300	0	0
21/05/2010	1.5943%	-0.0523	-0.0433	-0.0956	0.0000	-0.0200	0	0
24/05/2010	1.6652%	-0.0545	-0.0433	-0.0978	0.0000	-0.0200	0	0

25/05/2010	1.7292%	-0.0565	-0.0433	-0.0998	0.0050	-0.0150	0	0
26/05/2010	1.7474%	-0.0568	-0.0430	-0.0998	-0.0100	-0.0250	0	0
27/05/2010	1.7696%	-0.0581	-0.0435	-0.1017	0.0100	-0.0050	0	0
28/05/2010	1.6929%	-0.0551	-0.0430	-0.0981	0.0150	0.0000	0	0
31/05/2010	1.5854%	-0.0508	-0.0423	-0.0931	0.0150	0.0050	0	0
01/06/2010	1.6321%	-0.0513	-0.0416	-0.0929	-0.0050	-0.0200	0	0
02/06/2010	1.7100%	-0.0540	-0.0418	-0.0958	0.0000	-0.0100	0	0
03/06/2010	1.7170%	-0.0542	-0.0418	-0.0960	0.0100	0.0000	0	0
04/06/2010	1.6071%	-0.0502	-0.0413	-0.0915	0.0150	0.0050	0	0
07/06/2010	1.6567%	-0.0508	-0.0406	-0.0914	0.0050	-0.0100	0	0
08/06/2010	1.7160%	-0.0522	-0.0403	-0.0926	0.0050	-0.0250	0	0
09/06/2010	1.8090%	-0.0546	-0.0401	-0.0947	0.0000	-0.0250	0	0
10/06/2010	1.8333%	-0.0553	-0.0401	-0.0954	-0.0100	-0.0350	0	0
11/06/2010	1.9263%	-0.0588	-0.0406	-0.0993	-0.0050	-0.0200	0	0
14/06/2010	2.0360%	-0.0624	-0.0408	-0.1032	-0.0050	-0.0150	0	0
15/06/2010	2.1820%	-0.0671	-0.0411	-0.1081	0.0000	-0.0150	0	0
16/06/2010	2.3341%	-0.0715	-0.0411	-0.1126	-0.0050	-0.0200	0	0
17/06/2010	1.5827%	-0.0495	-0.0413	-0.0908	0.0350	0.0250	0	0
18/06/2010	1.6514%	-0.0494	-0.0396	-0.0890	0.0000	-0.0350	0	0
21/06/2010	1.6336%	-0.0489	-0.0396	-0.0885	0.0100	-0.0250	0	0
22/06/2010	1.6867%	-0.0498	-0.0391	-0.0889	0.0050	-0.0200	0	0
23/06/2010	1.7745%	-0.0520	-0.0388	-0.0908	0.0000	-0.0200	0	0
24/06/2010	1.8546%	-0.0542	-0.0388	-0.0930	0.0050	-0.0150	0	0
25/06/2010	1.8799%	-0.0546	-0.0386	-0.0932	0.0100	-0.0050	0	0
28/06/2010	1.9786%	-0.0566	-0.0381	-0.0947	-0.0050	-0.0200	0	0
30/06/2010	2.0318%	-0.0584	-0.0383	-0.0968	-0.0100	-0.0200	0	0
01/07/2010	1.9957%	-0.0582	-0.0388	-0.0970	-0.0150	-0.0450	0	0
02/07/2010	1.9573%	-0.0582	-0.0396	-0.0978	-0.0150	-0.0400	0	0
05/07/2010	1.9085%	-0.0579	-0.0403	-0.0982	0.0150	0.0050	0	0
06/07/2010	1.6882%	-0.0505	-0.0396	-0.0900	-0.0200	-0.0350	0	0
07/07/2010	1.7763%	-0.0544	-0.0406	-0.0949	0.0000	-0.0150	0	0
08/07/2010	1.8797%	-0.0574	-0.0406	-0.0980	0.0000	-0.0150	0	0
09/07/2010	1.8118%	-0.0554	-0.0406	-0.0960	0.0150	0.0000	0	0
12/07/2010	1.9001%	-0.0569	-0.0398	-0.0967	-0.0050	-0.0250	0	0
13/07/2010	1.8404%	-0.0556	-0.0401	-0.0956	-0.0150	-0.0300	0	0
14/07/2010	1.6155%	-0.0499	-0.0408	-0.0907	-0.0200	-0.0300	0	0
15/07/2010	1.6682%	-0.0527	-0.0418	-0.0945	0.0050	-0.0150	0	0
16/07/2010	1.7314%	-0.0543	-0.0416	-0.0959	-0.0050	-0.0200	0	0
19/07/2010	1.6386%	-0.0518	-0.0418	-0.0936	-0.0150	-0.0250	0	0
20/07/2010	1.7177%	-0.0552	-0.0425	-0.0977	0.0000	-0.0150	0	0
21/07/2010	1.7294%	-0.0556	-0.0425	-0.0981	0.0100	-0.0050	0	0
22/07/2010	1.8045%	-0.0572	-0.0421	-0.0993	0.0050	-0.0100	0	0
23/07/2010	1.8933%	-0.0596	-0.0418	-0.1014	0.0050	-0.0050	0	0
26/07/2010	2.0164%	-0.0629	-0.0416	-0.1045	0.0000	-0.0150	0	0
27/07/2010	2.0897%	-0.0651	-0.0416	-0.1067	-0.0100	-0.0250	0	0
30/07/2010	2.2440%	-0.0706	-0.0421	-0.1126	0.0000	-0.0250	0	0

02/08/2010	1.7718%	-0.0562	-0.0421	-0.0983	0.0300	0.0050	0	0
03/08/2010	1.5126%	-0.0465	-0.0406	-0.0871	-0.0200	-0.0350	0	0
04/08/2010	1.5437%	-0.0486	-0.0416	-0.0902	0.0050	-0.0300	0	0
05/08/2010	1.5812%	-0.0495	-0.0413	-0.0908	0.0050	-0.0250	0	0
06/08/2010	1.6261%	-0.0505	-0.0411	-0.0916	0.0050	-0.0200	0	0
09/08/2010	1.7030%	-0.0525	-0.0408	-0.0933	0.0000	-0.0200	0	0
10/08/2010	1.7720%	-0.0546	-0.0408	-0.0954	-0.0050	-0.0250	0	0
11/08/2010	1.6845%	-0.0523	-0.0411	-0.0933	-0.0150	-0.0300	0	0
12/08/2010	1.7508%	-0.0552	-0.0418	-0.0970	0.0050	-0.0050	0	0
13/08/2010	1.6616%	-0.0522	-0.0416	-0.0938	-0.0150	-0.0200	0	0
16/08/2010	1.7242%	-0.0551	-0.0423	-0.0974	-0.0050	-0.0250	0	0
17/08/2010	1.7989%	-0.0577	-0.0425	-0.1003	0.0050	-0.0100	0	0
18/08/2010	1.8873%	-0.0601	-0.0423	-0.1024	-0.0050	-0.0250	0	0
19/08/2010	1.8457%	-0.0592	-0.0425	-0.1017	-0.0150	-0.0300	0	0
20/08/2010	1.9610%	-0.0638	-0.0433	-0.1071	0.0000	-0.0300	0	0
23/08/2010	2.0290%	-0.0660	-0.0433	-0.1092	-0.0100	-0.0200	0	0
24/08/2010	1.9035%	-0.0627	-0.0438	-0.1065	0.0200	0.0000	0	0
25/08/2010	2.0282%	-0.0652	-0.0428	-0.1080	0.0000	-0.0100	0	0
26/08/2010	2.1568%	-0.0691	-0.0428	-0.1119	-0.0050	-0.0150	0	0
27/08/2010	2.3215%	-0.0746	-0.0430	-0.1177	0.0000	-0.0150	0	0
31/08/2010	2.2720%	-0.0731	-0.0430	-0.1161	0.0200	0.0150	0	0
01/09/2010	2.4538%	-0.0768	-0.0421	-0.1189	0.0000	-0.0050	0	0
02/09/2010	1.9109%	-0.0605	-0.0421	-0.1025	-0.0350	-0.0500	0	0
03/09/2010	1.9688%	-0.0648	-0.0438	-0.1086	0.0100	-0.0100	0	0
06/09/2010	2.0878%	-0.0678	-0.0433	-0.1111	-0.0050	-0.0350	0	0
07/09/2010	2.2267%	-0.0725	-0.0435	-0.1161	-0.0050	-0.0300	0	0
08/09/2010	2.2744%	-0.0744	-0.0438	-0.1182	-0.0150	-0.0350	0	0
09/09/2010	2.4435%	-0.0811	-0.0445	-0.1256	-0.0050	-0.0100	0	0
10/09/2010	2.6382%	-0.0877	-0.0448	-0.1325	-0.0050	-0.0150	0	0
13/09/2010	1.9971%	-0.0676	-0.0450	-0.1126	0.0400	0.0350	0	0
14/09/2010	2.1205%	-0.0684	-0.0430	-0.1115	0.0050	-0.0200	0	0
15/09/2010	2.2176%	-0.0710	-0.0428	-0.1138	-0.0100	-0.0300	0	0
16/09/2010	2.3769%	-0.0767	-0.0433	-0.1200	0.0050	-0.0250	0	0
17/09/2010	2.5741%	-0.0823	-0.0430	-0.1254	0.0000	-0.0250	0	0
20/09/2010	2.4582%	-0.0788	-0.0430	-0.1218	0.0250	0.0000	0	0
21/09/2010	2.6671%	-0.0827	-0.0418	-0.1245	0.0000	-0.0100	0	0
22/09/2010	2.6993%	-0.0836	-0.0418	-0.1254	-0.0200	-0.0300	0	0
23/09/2010	2.9299%	-0.0925	-0.0428	-0.1353	0.0050	-0.0250	0	0
24/09/2010	3.2038%	-0.1001	-0.0425	-0.1426	0.0000	-0.0350	0	0
27/09/2010	3.4230%	-0.1065	-0.0425	-0.1490	-0.0150	-0.0500	0	0
28/09/2010	3.3021%	-0.1048	-0.0433	-0.1481	-0.0350	-0.0550	0	0
29/09/2010	3.5900%	-0.1178	-0.0450	-0.1629	-0.0100	-0.0350	0	0
30/09/2010	3.9185%	-0.1292	-0.0455	-0.1748	-0.0100	-0.0250	0	0
01/10/2010	2.3963%	-0.0822	-0.0460	-0.1283	0.0700	0.0450	0	0
04/10/2010	2.4673%	-0.0782	-0.0425	-0.1207	0.0150	-0.0400	0	0
05/10/2010	2.6775%	-0.0830	-0.0418	-0.1248	0.0000	-0.0400	0	0

06/10/2010	2.9044%	-0.0896	-0.0418	-0.1314	0.0050	-0.0250	0	0
07/10/2010	3.1631%	-0.0966	-0.0416	-0.1381	0.0050	-0.0300	0	0
11/10/2010	3.4570%	-0.1043	-0.0413	-0.1456	-0.0050	-0.0250	0	0
12/10/2010	2.5468%	-0.0787	-0.0416	-0.1202	0.0500	0.0350	0	0
13/10/2010	2.5185%	-0.0732	-0.0391	-0.1122	-0.0200	-0.0350	0	0
14/10/2010	2.4959%	-0.0744	-0.0401	-0.1145	-0.0200	-0.0350	0	0
15/10/2010	2.6959%	-0.0820	-0.0411	-0.1231	0.0050	-0.0100	0	0
18/10/2010	1.9751%	-0.0606	-0.0408	-0.1014	-0.0400	-0.0600	0	0
19/10/2010	2.0428%	-0.0656	-0.0428	-0.1084	0.0100	-0.0100	0	0
20/10/2010	2.0389%	-0.0647	-0.0423	-0.1070	-0.0150	-0.0250	0	0
21/10/2010	2.1694%	-0.0699	-0.0430	-0.1130	-0.0050	-0.0400	0	0
22/10/2010	2.3213%	-0.0750	-0.0433	-0.1183	-0.0050	-0.0250	0	0
25/10/2010	2.4969%	-0.0809	-0.0435	-0.1244	-0.0050	-0.0300	0	0
26/10/2010	2.3704%	-0.0774	-0.0438	-0.1212	0.0250	0.0050	0	0
27/10/2010	2.5527%	-0.0807	-0.0425	-0.1233	0.0050	-0.0100	0	0
28/10/2010	2.7619%	-0.0865	-0.0423	-0.1288	0.0050	-0.0250	0	0
29/10/2010	2.9040%	-0.0902	-0.0421	-0.1322	-0.0150	-0.0400	0	0
02/11/2010	2.7613%	-0.0875	-0.0428	-0.1303	-0.0300	-0.0400	0	0
03/11/2010	2.9142%	-0.0953	-0.0443	-0.1396	-0.0150	-0.0350	0	0
04/11/2010	2.6735%	-0.0893	-0.0450	-0.1343	-0.0350	-0.0700	0	0
05/11/2010	2.6396%	-0.0916	-0.0468	-0.1384	0.0250	0.0150	0	0
08/11/2010	2.0230%	-0.0692	-0.0455	-0.1147	0.0400	0.0150	0	0
09/11/2010	2.0179%	-0.0660	-0.0435	-0.1095	0.0150	0.0000	0	0
10/11/2010	2.0061%	-0.0645	-0.0428	-0.1073	0.0150	-0.0150	0	0
11/11/2010	2.1473%	-0.0676	-0.0421	-0.1097	0.0000	-0.0150	0	0
12/11/2010	2.2947%	-0.0721	-0.0421	-0.1141	-0.0050	-0.0200	0	0
15/11/2010	1.8594%	-0.0592	-0.0423	-0.1015	0.0300	0.0200	0	0
16/11/2010	1.9769%	-0.0606	-0.0408	-0.1014	0.0000	-0.0100	0	0
17/11/2010	2.0379%	-0.0624	-0.0408	-0.1032	0.0100	0.0000	0	0
18/11/2010	2.1842%	-0.0659	-0.0403	-0.1062	0.0000	-0.0100	0	0
19/11/2010	2.3361%	-0.0703	-0.0403	-0.1106	-0.0050	-0.0150	0	0
22/11/2010	2.3862%	-0.0722	-0.0406	-0.1127	-0.0150	-0.0200	0	0
23/11/2010	2.5700%	-0.0789	-0.0413	-0.1202	0.0050	-0.0150	0	0
24/11/2010	2.7400%	-0.0833	-0.0411	-0.1244	-0.0100	-0.0250	0	0
25/11/2010	2.2595%	-0.0702	-0.0416	-0.1117	0.0350	0.0100	0	0
26/11/2010	2.4396%	-0.0723	-0.0398	-0.1122	0.0000	-0.0100	0	0
29/11/2010	2.6303%	-0.0777	-0.0398	-0.1175	0.0050	-0.0050	0	0
30/11/2010	2.8491%	-0.0833	-0.0396	-0.1229	-0.0050	-0.0100	0	0
01/12/2010	3.1122%	-0.0911	-0.0398	-0.1309	0.0000	-0.0100	0	0
02/12/2010	3.3031%	-0.0964	-0.0398	-0.1362	-0.0150	-0.0250	0	0
03/12/2010	3.4529%	-0.1023	-0.0406	-0.1429	-0.0200	-0.0350	0	0
06/12/2010	1.6749%	-0.0526	-0.0416	-0.0942	0.0600	0.0250	0	0
07/12/2010	1.7356%	-0.0505	-0.0386	-0.0891	0.0050	-0.0100	0	0
09/12/2010	1.8320%	-0.0529	-0.0383	-0.0912	0.0000	-0.0100	0	0
10/12/2010	1.7250%	-0.0499	-0.0383	-0.0882	0.0150	0.0050	0	0
13/12/2010	1.8196%	-0.0515	-0.0376	-0.0891	0.0000	-0.0050	0	0

14/12/2010	1.9067%	-0.0539	-0.0376	-0.0915	-0.0050	-0.0200	0	0
15/12/2010	2.0320%	-0.0577	-0.0378	-0.0955	0.0000	-0.0100	0	0
16/12/2010	2.0917%	-0.0593	-0.0378	-0.0971	0.0100	0.0000	0	0
17/12/2010	1.6275%	-0.0460	-0.0373	-0.0833	0.0250	0.0150	0	0
20/12/2010	1.7045%	-0.0465	-0.0361	-0.0825	0.0000	-0.0050	0	0
21/12/2010	1.6830%	-0.0459	-0.0361	-0.0820	-0.0100	-0.0250	0	0
22/12/2010	1.7701%	-0.0489	-0.0366	-0.0854	0.0000	-0.0150	0	0
23/12/2010	1.8464%	-0.0509	-0.0366	-0.0875	0.0050	-0.0100	0	0
24/12/2010	1.9368%	-0.0529	-0.0363	-0.0892	-0.0050	-0.0150	0	0
27/12/2010	2.0670%	-0.0567	-0.0366	-0.0933	0.0000	-0.0150	0	0
28/12/2010	2.2178%	-0.0607	-0.0366	-0.0973	0.0000	-0.0150	0	0
29/12/2010	2.3713%	-0.0647	-0.0366	-0.1013	0.0050	-0.0100	0	0
30/12/2010	2.2323%	-0.0606	-0.0363	-0.0970	0.0200	0.0100	0	0
31/12/2010	2.3866%	-0.0629	-0.0353	-0.0982	0.0050	-0.0050	0	0
03/01/2011	2.3998%	-0.0628	-0.0351	-0.0978	-0.0150	-0.0200	0	0
04/01/2011	2.5811%	-0.0687	-0.0358	-0.1045	-0.0050	-0.0150	0	0
05/01/2011	2.6470%	-0.0709	-0.0361	-0.1069	-0.0150	-0.0300	0	0
06/01/2011	2.8824%	-0.0784	-0.0368	-0.1152	0.0000	-0.0100	0	0
07/01/2011	3.0137%	-0.0818	-0.0368	-0.1186	-0.0150	-0.0250	0	0
10/01/2011	1.7336%	-0.0492	-0.0376	-0.0868	0.0450	0.0400	0	0
11/01/2011	1.8010%	-0.0480	-0.0353	-0.0833	0.0050	-0.0050	0	0
12/01/2011	1.7937%	-0.0475	-0.0351	-0.0825	0.0100	0.0050	0	0
13/01/2011	1.9002%	-0.0495	-0.0346	-0.0840	0.0000	-0.0050	0	0
14/01/2011	1.9974%	-0.0519	-0.0346	-0.0865	0.0050	0.0000	0	0
17/01/2011	2.1372%	-0.0550	-0.0343	-0.0893	0.0000	-0.0100	0	0
18/01/2011	2.2748%	-0.0584	-0.0343	-0.0927	0.0050	-0.0050	0	0
19/01/2011	2.4345%	-0.0618	-0.0341	-0.0959	-0.0050	-0.0200	0	0
20/01/2011	2.6400%	-0.0673	-0.0343	-0.1016	0.0000	-0.0100	0	0
21/01/2011	2.7962%	-0.0710	-0.0343	-0.1054	0.0100	0.0000	0	0
24/01/2011	2.8770%	-0.0719	-0.0338	-0.1058	0.0150	-0.0050	0	0
25/01/2011	2.6118%	-0.0642	-0.0331	-0.0973	0.0250	0.0100	0	0
26/01/2011	2.7499%	-0.0649	-0.0318	-0.0967	0.0100	0.0000	0	0
27/01/2011	2.9777%	-0.0688	-0.0314	-0.1002	-0.0050	-0.0150	0	0
28/01/2011	3.0785%	-0.0716	-0.0316	-0.1032	-0.0150	-0.0300	0	0
31/01/2011	3.3722%	-0.0798	-0.0323	-0.1122	0.0000	-0.0200	0	0
01/02/2011	3.6380%	-0.0857	-0.0323	-0.1180	-0.0100	-0.0300	0	0
02/02/2011	3.5945%	-0.0860	-0.0328	-0.1189	0.0250	0.0050	0	0
03/02/2011	3.9385%	-0.0901	-0.0316	-0.1217	-0.0050	-0.0200	0	0
04/02/2011	2.2476%	-0.0535	-0.0318	-0.0854	0.0500	0.0400	0	0
07/02/2011	1.8886%	-0.0417	-0.0294	-0.0711	-0.0200	-0.0300	0	0
08/02/2011	1.9755%	-0.0451	-0.0304	-0.0754	0.0050	-0.0050	0	0
09/02/2011	1.9748%	-0.0447	-0.0301	-0.0748	-0.0100	-0.0250	0	0
10/02/2011	2.0779%	-0.0477	-0.0306	-0.0783	0.0050	0.0000	0	0
11/02/2011	2.0988%	-0.0478	-0.0304	-0.0781	0.0100	0.0000	0	0
14/02/2011	1.6853%	-0.0380	-0.0299	-0.0679	-0.0200	-0.0300	0	0
15/02/2011	1.7729%	-0.0413	-0.0309	-0.0721	0.0000	-0.0100	0	0

16/02/2011	1.8757%	-0.0436	-0.0309	-0.0744	0.0000	-0.0100	0	0
17/02/2011	1.9959%	-0.0463	-0.0309	-0.0771	0.0000	-0.0100	0	0
18/02/2011	2.1039%	-0.0487	-0.0309	-0.0795	-0.0050	-0.0150	0	0
21/02/2011	1.9694%	-0.0460	-0.0311	-0.0771	0.0150	0.0000	0	0
22/02/2011	2.0715%	-0.0472	-0.0304	-0.0775	-0.0050	-0.0150	0	0
23/02/2011	1.9315%	-0.0445	-0.0306	-0.0751	-0.0150	-0.0300	0	0
24/02/2011	2.0609%	-0.0485	-0.0314	-0.0798	0.0000	-0.0100	0	0
25/02/2011	2.0865%	-0.0491	-0.0314	-0.0804	0.0100	0.0000	0	0
28/02/2011	1.6663%	-0.0389	-0.0309	-0.0697	0.0200	0.0100	0	0
01/03/2011	1.7504%	-0.0395	-0.0299	-0.0693	0.0000	-0.0100	0	0
02/03/2011	1.8494%	-0.0416	-0.0299	-0.0715	0.0000	-0.0100	0	0
03/03/2011	1.9652%	-0.0441	-0.0299	-0.0740	0.0000	-0.0100	0	0
04/03/2011	2.1000%	-0.0470	-0.0299	-0.0769	0.0000	-0.0100	0	0
07/03/2011	2.1259%	-0.0476	-0.0299	-0.0774	-0.0100	-0.0200	0	0
08/03/2011	2.2858%	-0.0518	-0.0304	-0.0822	0.0000	-0.0100	0	0
09/03/2011	1.9446%	-0.0444	-0.0304	-0.0747	0.0200	0.0100	0	0
10/03/2011	1.9290%	-0.0426	-0.0294	-0.0720	-0.0100	-0.0200	0	0
11/03/2011	2.0579%	-0.0461	-0.0299	-0.0760	0.0000	-0.0100	0	0
14/03/2011	1.6216%	-0.0366	-0.0299	-0.0665	-0.0200	-0.0300	0	0
15/03/2011	1.6575%	-0.0387	-0.0309	-0.0695	-0.0050	-0.0150	0	0
16/03/2011	1.7009%	-0.0400	-0.0311	-0.0711	0.0050	0.0000	0	0
17/03/2011	1.7527%	-0.0408	-0.0309	-0.0717	0.0050	-0.0050	0	0
18/03/2011	1.4896%	-0.0346	-0.0306	-0.0652	-0.0150	-0.0200	0	0
21/03/2011	1.5404%	-0.0366	-0.0314	-0.0680	0.0000	-0.0100	0	0
22/03/2011	1.5598%	-0.0370	-0.0314	-0.0684	-0.0050	-0.0150	0	0
23/03/2011	1.5843%	-0.0379	-0.0316	-0.0695	-0.0050	-0.0200	0	0
24/03/2011	1.6533%	-0.0398	-0.0318	-0.0717	0.0000	-0.0100	0	0
25/03/2011	1.6977%	-0.0409	-0.0318	-0.0727	0.0050	-0.0050	0	0
28/03/2011	1.7512%	-0.0418	-0.0316	-0.0734	-0.0050	-0.0200	0	0
29/03/2011	1.8154%	-0.0436	-0.0318	-0.0754	0.0050	-0.0050	0	0
30/03/2011	1.9255%	-0.0458	-0.0316	-0.0774	0.0000	-0.0150	0	0
31/03/2011	2.0224%	-0.0480	-0.0316	-0.0796	-0.0050	-0.0200	0	0
01/04/2011	2.1364%	-0.0510	-0.0318	-0.0828	0.0050	-0.0050	0	0
04/04/2011	2.2980%	-0.0542	-0.0316	-0.0858	0.0000	-0.0150	0	0
05/04/2011	2.4837%	-0.0584	-0.0316	-0.0900	0.0000	-0.0150	0	0
06/04/2011	1.6808%	-0.0401	-0.0316	-0.0717	-0.0300	-0.0450	0	0
07/04/2011	1.7675%	-0.0441	-0.0331	-0.0772	0.0000	-0.0150	0	0
08/04/2011	1.8695%	-0.0466	-0.0331	-0.0797	0.0000	-0.0150	0	0
11/04/2011	1.8644%	-0.0465	-0.0331	-0.0796	0.0100	-0.0050	0	0
12/04/2011	1.9516%	-0.0478	-0.0326	-0.0804	0.0050	-0.0100	0	0
13/04/2011	1.7907%	-0.0437	-0.0323	-0.0760	0.0150	0.0050	0	0
14/04/2011	1.8967%	-0.0451	-0.0316	-0.0767	0.0000	-0.0250	0	0
15/04/2011	1.9878%	-0.0472	-0.0316	-0.0788	0.0050	-0.0200	0	0
18/04/2011	2.1262%	-0.0500	-0.0314	-0.0813	0.0000	-0.0200	0	0
19/04/2011	2.2861%	-0.0535	-0.0314	-0.0849	0.0000	-0.0200	0	0
20/04/2011	2.4432%	-0.0571	-0.0314	-0.0884	0.0050	-0.0150	0	0

25/04/2011	1.5612%	-0.0368	-0.0311	-0.0679	-0.0300	-0.0450	0	0
26/04/2011	1.5878%	-0.0392	-0.0326	-0.0718	0.0050	-0.0100	0	0
27/04/2011	1.5037%	-0.0369	-0.0323	-0.0692	-0.0100	-0.0200	0	0
28/04/2011	1.3976%	-0.0349	-0.0328	-0.0677	-0.0100	-0.0200	0	0
29/04/2011	1.4295%	-0.0362	-0.0333	-0.0695	0.0000	-0.0100	0	0
02/05/2011	1.4680%	-0.0371	-0.0333	-0.0705	0.0000	-0.0100	0	0
03/05/2011	1.4759%	-0.0373	-0.0333	-0.0707	-0.0050	-0.0150	0	0
04/05/2011	1.4861%	-0.0379	-0.0336	-0.0715	-0.0050	-0.0200	0	0
05/05/2011	1.5362%	-0.0394	-0.0338	-0.0732	0.0000	-0.0100	0	0
06/05/2011	1.5606%	-0.0400	-0.0338	-0.0738	-0.0050	-0.0150	0	0
09/05/2011	1.5903%	-0.0410	-0.0341	-0.0751	0.0050	0.0000	0	0
10/05/2011	1.6260%	-0.0416	-0.0338	-0.0755	0.0050	-0.0050	0	0
11/05/2011	1.7028%	-0.0432	-0.0336	-0.0768	0.0000	-0.0050	0	0
12/05/2011	1.7934%	-0.0454	-0.0336	-0.0790	0.0000	-0.0150	0	0
13/05/2011	1.7771%	-0.0450	-0.0336	-0.0786	-0.0100	-0.0250	0	0
16/05/2011	1.8808%	-0.0483	-0.0341	-0.0824	0.0000	-0.0150	0	0
17/05/2011	1.9736%	-0.0506	-0.0341	-0.0847	0.0050	-0.0100	0	0
18/05/2011	2.0826%	-0.0529	-0.0338	-0.0867	0.0050	-0.0150	0	0
19/05/2011	2.1295%	-0.0536	-0.0336	-0.0872	0.0100	-0.0150	0	0
20/05/2011	2.2638%	-0.0560	-0.0331	-0.0891	0.0050	-0.0100	0	0
23/05/2011	2.4445%	-0.0598	-0.0328	-0.0926	0.0000	-0.0100	0	0
24/05/2011	2.5610%	-0.0625	-0.0328	-0.0954	-0.0100	-0.0200	0	0
25/05/2011	2.5853%	-0.0640	-0.0333	-0.0974	0.0150	-0.0050	0	0
26/05/2011	1.9300%	-0.0473	-0.0326	-0.0799	-0.0300	-0.0450	0	0
27/05/2011	2.0318%	-0.0520	-0.0341	-0.0861	0.0050	-0.0100	0	0
30/05/2011	2.1771%	-0.0552	-0.0338	-0.0890	0.0000	-0.0100	0	0
31/05/2011	2.3204%	-0.0586	-0.0338	-0.0925	0.0050	-0.0150	0	0
01/06/2011	2.4151%	-0.0605	-0.0336	-0.0941	0.0100	0.0050	0	0
02/06/2011	2.5276%	-0.0622	-0.0331	-0.0953	-0.0100	-0.0250	0	0
03/06/2011	2.3781%	-0.0596	-0.0336	-0.0932	0.0200	0.0050	0	0
06/06/2011	2.5755%	-0.0624	-0.0326	-0.0950	0.0000	-0.0150	0	0
07/06/2011	2.7791%	-0.0670	-0.0326	-0.0996	0.0050	-0.0200	0	0
08/06/2011	3.0327%	-0.0723	-0.0323	-0.1046	0.0000	-0.0200	0	0
09/06/2011	3.3203%	-0.0787	-0.0323	-0.1110	0.0000	-0.0200	0	0
10/06/2011	3.5761%	-0.0843	-0.0323	-0.1167	0.0100	-0.0100	0	0
13/06/2011	3.7820%	-0.0875	-0.0318	-0.1193	0.0150	-0.0150	0	0
14/06/2011	2.3894%	-0.0554	-0.0311	-0.0865	0.0450	0.0300	0	0
15/06/2011	2.2953%	-0.0495	-0.0289	-0.0783	0.0150	-0.0050	0	0
16/06/2011	2.4806%	-0.0519	-0.0281	-0.0800	0.0000	-0.0150	0	0
17/06/2011	2.6619%	-0.0555	-0.0281	-0.0836	0.0050	-0.0300	0	0
20/06/2011	2.1043%	-0.0440	-0.0279	-0.0718	-0.0250	-0.0650	0	0
21/06/2011	1.9247%	-0.0422	-0.0291	-0.0713	0.0150	0.0000	0	0
22/06/2011	2.0138%	-0.0429	-0.0284	-0.0713	-0.0050	-0.0250	0	0
23/06/2011	2.0073%	-0.0431	-0.0286	-0.0718	-0.0100	-0.0350	0	0
24/06/2011	2.1488%	-0.0469	-0.0291	-0.0760	0.0000	-0.0150	0	0
27/06/2011	2.3122%	-0.0503	-0.0291	-0.0794	0.0000	-0.0150	0	0

28/06/2011	2.2166%	-0.0483	-0.0291	-0.0774	-0.0150	-0.0300	0	0
30/06/2011	2.0919%	-0.0468	-0.0299	-0.0767	0.0150	-0.0050	0	0
01/07/2011	2.2466%	-0.0489	-0.0291	-0.0780	0.0000	-0.0150	0	0
04/07/2011	2.3933%	-0.0519	-0.0291	-0.0811	-0.0050	-0.0200	0	0
05/07/2011	2.5642%	-0.0559	-0.0294	-0.0853	-0.0050	-0.0150	0	0
06/07/2011	2.6822%	-0.0589	-0.0296	-0.0885	-0.0100	-0.0250	0	0
07/07/2011	2.9225%	-0.0649	-0.0301	-0.0950	0.0000	-0.0150	0	0
08/07/2011	3.1065%	-0.0688	-0.0301	-0.0989	-0.0100	-0.0350	0	0
11/07/2011	3.3232%	-0.0745	-0.0306	-0.1051	-0.0100	-0.0250	0	0
12/07/2011	2.5272%	-0.0585	-0.0311	-0.0896	0.0350	-0.0100	0	0
13/07/2011	2.6325%	-0.0574	-0.0294	-0.0867	0.0100	0.0000	0	0
14/07/2011	2.7576%	-0.0589	-0.0289	-0.0878	-0.0100	-0.0300	0	0
15/07/2011	2.7812%	-0.0604	-0.0294	-0.0898	-0.0150	-0.0250	0	0
18/07/2011	3.0351%	-0.0673	-0.0301	-0.0974	0.0000	-0.0250	0	0
19/07/2011	3.3230%	-0.0733	-0.0301	-0.1034	0.0000	-0.0250	0	0
20/07/2011	3.3099%	-0.0730	-0.0301	-0.1031	0.0200	-0.0050	0	0
21/07/2011	3.6337%	-0.0770	-0.0291	-0.1061	0.0000	-0.0150	0	0
22/07/2011	3.5128%	-0.0746	-0.0291	-0.1037	-0.0250	-0.0400	0	0
25/07/2011	3.8447%	-0.0846	-0.0304	-0.1150	-0.0050	-0.0250	0	0
26/07/2011	3.6355%	-0.0810	-0.0306	-0.1116	-0.0300	-0.0450	0	0
27/07/2011	4.0010%	-0.0929	-0.0321	-0.1250	0.0000	-0.0450	0	0
01/08/2011	4.3983%	-0.1013	-0.0321	-0.1334	-0.0050	-0.0400	0	0
02/08/2011	4.8459%	-0.1116	-0.0323	-0.1439	-0.0050	-0.0450	0	0
03/08/2011	4.7378%	-0.1101	-0.0326	-0.1427	0.0350	-0.0100	0	0
04/08/2011	5.1865%	-0.1132	-0.0309	-0.1440	0.0100	-0.0300	0	0
05/08/2011	4.2091%	-0.0920	-0.0304	-0.1224	0.0500	0.0200	0	0
08/08/2011	4.5728%	-0.0912	-0.0279	-0.1190	0.0100	-0.0500	0	0
09/08/2011	4.1961%	-0.0827	-0.0274	-0.1101	-0.0350	-0.0850	0	0
10/08/2011	4.5642%	-0.0951	-0.0291	-0.1242	0.0100	-0.0050	0	0
11/08/2011	4.2623%	-0.0878	-0.0286	-0.1164	-0.0350	-0.0600	0	0
12/08/2011	4.1639%	-0.0911	-0.0304	-0.1215	-0.0300	-0.0900	0	0
15/08/2011	4.4719%	-0.1021	-0.0318	-0.1339	-0.0150	-0.0550	0	0
16/08/2011	4.4532%	-0.1041	-0.0326	-0.1367	0.0300	0.0050	0	0
17/08/2011	4.9068%	-0.1085	-0.0311	-0.1396	-0.0050	-0.0300	0	0
18/08/2011	5.3214%	-0.1177	-0.0314	-0.1490	-0.0150	-0.0450	0	0
19/08/2011	5.8932%	-0.1320	-0.0321	-0.1641	0.0000	-0.0350	0	0
22/08/2011	6.4951%	-0.1439	-0.0321	-0.1760	-0.0100	-0.0450	0	0
23/08/2011	7.1278%	-0.1585	-0.0326	-0.1910	0.0150	-0.0100	0	0
24/08/2011	7.9048%	-0.1692	-0.0318	-0.2011	-0.0050	-0.0450	0	0
25/08/2011	8.7521%	-0.1859	-0.0321	-0.2180	-0.0100	-0.0250	0	0
26/08/2011	9.7012%	-0.2057	-0.0326	-0.2383	-0.0100	-0.0350	0	0
29/08/2011	9.7076%	-0.2090	-0.0331	-0.2420	0.0650	0.0300	0	0
31/08/2011	10.6152%	-0.2028	-0.0299	-0.2326	0.0250	-0.0250	0	0
01/09/2011	11.8037%	-0.2115	-0.0286	-0.2401	0.0000	-0.0250	0	0
02/09/2011	13.0288%	-0.2284	-0.0286	-0.2570	0.0200	-0.0050	0	0
05/09/2011	14.4882%	-0.2389	-0.0276	-0.2665	0.0050	-0.0400	0	0

06/09/2011	9.4943%	-0.1697	-0.0274	-0.1970	0.1365	0.0865	0	0
07/09/2011	10.2967%	-0.1363	-0.0206	-0.1569	-0.0215	-0.0780	0	0
08/09/2011	6.4626%	-0.0966	-0.0216	-0.1182	-0.1000	-0.1350	0	0
09/09/2011	7.0510%	-0.1282	-0.0266	-0.1548	0.0150	-0.0500	0	0
12/09/2011	7.5274%	-0.1319	-0.0259	-0.1577	-0.0250	-0.0550	0	0
13/09/2011	8.0792%	-0.1468	-0.0271	-0.1740	0.0250	-0.0300	0	0
14/09/2011	8.9641%	-0.1529	-0.0259	-0.1788	0.0050	-0.0250	0	0
15/09/2011	9.8091%	-0.1632	-0.0256	-0.1888	-0.0200	-0.0650	0	0
16/09/2011	10.8966%	-0.1847	-0.0266	-0.2113	-0.0050	-0.0700	0	0
19/09/2011	11.9399%	-0.2004	-0.0269	-0.2273	-0.0250	-0.0450	0	0
20/09/2011	6.7791%	-0.1308	-0.0281	-0.1590	0.1250	0.1000	0	0
21/09/2011	7.4529%	-0.1106	-0.0219	-0.1325	-0.0100	-0.0500	0	0
22/09/2011	8.2758%	-0.1237	-0.0224	-0.1461	0.0000	-0.0500	0	0
23/09/2011	9.1943%	-0.1352	-0.0224	-0.1576	0.0000	-0.0500	0	0
26/09/2011	10.1422%	-0.1466	-0.0224	-0.1690	-0.0125	-0.0625	0	0
27/09/2011	11.2067%	-0.1633	-0.0230	-0.1863	0.0125	-0.0250	0	0
28/09/2011	12.1096%	-0.1689	-0.0224	-0.1913	-0.0300	-0.0800	0	0
29/09/2011	9.5659%	-0.1490	-0.0239	-0.1729	0.0900	0.0500	0	0
30/09/2011	10.4816%	-0.1305	-0.0194	-0.1499	0.0150	-0.0250	0	0
03/10/2011	11.6391%	-0.1364	-0.0187	-0.1551	-0.0050	-0.0300	0	0
04/10/2011	12.9452%	-0.1502	-0.0189	-0.1691	0.0000	-0.0200	0	0
05/10/2011	14.3930%	-0.1628	-0.0189	-0.1817	-0.0040	-0.0240	0	0
06/10/2011	13.6795%	-0.1583	-0.0191	-0.1774	0.0640	0.0480	0	0
07/10/2011	14.7589%	-0.1397	-0.0159	-0.1556	0.0250	0.0050	0	0
10/10/2011	5.3625%	-0.0555	-0.0147	-0.0702	0.0850	0.0700	0	0
11/10/2011	5.3534%	-0.0394	-0.0105	-0.0499	0.0115	0.0015	0	0
12/10/2011	5.9245%	-0.0408	-0.0099	-0.0507	0.0010	-0.0205	0	0
13/10/2011	6.3256%	-0.0430	-0.0098	-0.0529	0.0075	-0.0150	0	0
14/10/2011	5.0261%	-0.0337	-0.0095	-0.0432	-0.0215	-0.0315	0	0
17/10/2011	5.5625%	-0.0411	-0.0105	-0.0516	0.0000	-0.0085	0	0
18/10/2011	3.4566%	-0.0266	-0.0105	-0.0371	-0.0250	-0.0335	1	0
19/10/2011	2.8297%	-0.0246	-0.0118	-0.0364	-0.0135	-0.0470	0	1
20/10/2011	3.0902%	-0.0283	-0.0124	-0.0407	0.0000	-0.0200	0	0
21/10/2011	3.2822%	-0.0299	-0.0124	-0.0424	0.0045	-0.0155	0	0
24/10/2011	2.4717%	-0.0225	-0.0122	-0.0347	-0.0145	-0.0390	0	1
25/10/2011	2.6826%	-0.0257	-0.0129	-0.0387	0.0000	-0.0100	0	0
26/10/2011	2.9229%	-0.0279	-0.0129	-0.0409	0.0000	-0.0100	0	0
27/10/2011	2.6913%	-0.0258	-0.0129	-0.0388	-0.0100	-0.0200	0	0
28/10/2011	2.3730%	-0.0238	-0.0134	-0.0372	0.0100	-0.0100	0	0
31/10/2011	2.5697%	-0.0247	-0.0129	-0.0376	0.0000	-0.0100	0	0
02/11/2011	2.1994%	-0.0213	-0.0129	-0.0342	-0.0100	-0.0200	0	0
03/11/2011	2.3705%	-0.0238	-0.0134	-0.0372	0.0000	-0.0200	0	0
04/11/2011	2.5668%	-0.0256	-0.0134	-0.0391	0.0000	-0.0200	0	0
07/11/2011	2.6623%	-0.0265	-0.0134	-0.0400	-0.0050	-0.0250	0	0
08/11/2011	2.8999%	-0.0293	-0.0137	-0.0430	0.0000	-0.0250	0	0
09/11/2011	3.1698%	-0.0319	-0.0137	-0.0456	0.0000	-0.0250	0	0

10/11/2011	3.4755%	-0.0347	-0.0137	-0.0484	0.0000	-0.0250	0	0
11/11/2011	3.8207%	-0.0379	-0.0137	-0.0516	0.0000	-0.0250	0	0
14/11/2011	4.2096%	-0.0415	-0.0137	-0.0552	0.0000	-0.0250	0	0
15/11/2011	4.6467%	-0.0454	-0.0137	-0.0591	0.0000	-0.0250	0	0
16/11/2011	4.0139%	-0.0397	-0.0137	-0.0534	-0.0200	-0.0450	0	0
17/11/2011	4.3598%	-0.0460	-0.0147	-0.0606	-0.0050	-0.0100	0	0
18/11/2011	3.8079%	-0.0413	-0.0149	-0.0562	-0.0200	-0.0400	0	0
21/11/2011	4.1734%	-0.0479	-0.0159	-0.0638	-0.0030	-0.0230	0	0
22/11/2011	2.2987%	-0.0276	-0.0161	-0.0437	-0.0295	-0.0315	0	0
23/11/2011	2.4634%	-0.0322	-0.0175	-0.0497	-0.0025	-0.0450	0	0
24/11/2011	2.1558%	-0.0285	-0.0177	-0.0462	-0.0125	-0.0275	0	0
25/11/2011	2.1290%	-0.0292	-0.0183	-0.0475	-0.0075	-0.0350	0	0
28/11/2011	2.2894%	-0.0319	-0.0187	-0.0506	0.0000	-0.0200	0	0
29/11/2011	2.4731%	-0.0344	-0.0187	-0.0530	0.0005	-0.0195	0	0
30/11/2011	2.2749%	-0.0317	-0.0186	-0.0503	0.0115	-0.0130	0	0
01/12/2011	2.3742%	-0.0320	-0.0181	-0.0501	0.0050	-0.0080	0	0
02/12/2011	2.2422%	-0.0299	-0.0178	-0.0477	-0.0100	-0.0280	0	0
05/12/2011	1.9697%	-0.0271	-0.0183	-0.0454	-0.0115	-0.0195	0	0
06/12/2011	2.0161%	-0.0286	-0.0189	-0.0475	0.0050	-0.0145	0	0
07/12/2011	2.1581%	-0.0301	-0.0186	-0.0488	-0.0005	-0.0250	0	0
09/12/2011	2.3229%	-0.0324	-0.0187	-0.0510	0.0000	-0.0250	0	0
12/12/2011	2.5123%	-0.0349	-0.0187	-0.0535	0.0000	-0.0250	0	0
13/12/2011	2.7289%	-0.0377	-0.0187	-0.0564	0.0000	-0.0250	0	0
14/12/2011	2.9118%	-0.0401	-0.0187	-0.0588	0.0050	-0.0200	0	0
15/12/2011	3.1238%	-0.0423	-0.0184	-0.0607	-0.0050	-0.0350	0	0
16/12/2011	3.3681%	-0.0460	-0.0187	-0.0647	0.0050	-0.0300	0	0
19/12/2011	3.6995%	-0.0495	-0.0184	-0.0680	0.0000	-0.0300	0	0
20/12/2011	4.0614%	-0.0540	-0.0184	-0.0724	-0.0025	-0.0325	0	0
21/12/2011	4.4698%	-0.0594	-0.0185	-0.0779	-0.0025	-0.0300	0	0
22/12/2011	4.9389%	-0.0655	-0.0187	-0.0841	0.0000	-0.0250	0	0
23/12/2011	5.4648%	-0.0717	-0.0187	-0.0904	0.0000	-0.0250	0	0
26/12/2011	6.0538%	-0.0786	-0.0187	-0.0973	0.0000	-0.0250	0	0
27/12/2011	6.7126%	-0.0861	-0.0187	-0.1048	0.0000	-0.0250	0	0
28/12/2011	7.4243%	-0.0940	-0.0187	-0.1126	-0.0050	-0.0300	0	0
29/12/2011	8.2439%	-0.1042	-0.0189	-0.1231	0.0000	-0.0300	0	0
30/12/2011	9.1387%	-0.1136	-0.0189	-0.1325	0.0050	-0.0250	0	0
02/01/2012	10.0857%	-0.1216	-0.0187	-0.1402	-0.0100	-0.0350	0	0
03/01/2012	11.1487%	-0.1353	-0.0192	-0.1545	0.0100	-0.0050	0	0
04/01/2012	11.9007%	-0.1388	-0.0187	-0.1575	0.0275	0.0025	0	0
05/01/2012	12.4902%	-0.1336	-0.0173	-0.1509	-0.0350	-0.0825	0	1
06/01/2012	4.5184%	-0.0616	-0.0190	-0.0806	-0.1275	-0.1400	1	1
09/01/2012	4.8147%	-0.0870	-0.0254	-0.1124	-0.0150	-0.0750	0	0
10/01/2012	5.1585%	-0.0954	-0.0261	-0.1215	0.0150	-0.0300	0	0
11/01/2012	2.6096%	-0.0492	-0.0254	-0.0746	-0.0600	-0.1200	1	1
12/01/2012	2.8398%	-0.0595	-0.0284	-0.0879	0.0000	-0.0700	0	0
13/01/2012	3.1016%	-0.0647	-0.0284	-0.0931	0.0000	-0.0700	0	0

16/01/2012	3.3984%	-0.0705	-0.0284	-0.0989	0.0000	-0.0700	0	0
17/01/2012	3.5402%	-0.0733	-0.0284	-0.1016	-0.0150	-0.0450	0	0
18/01/2012	3.8738%	-0.0817	-0.0291	-0.1109	0.0050	-0.0200	0	0
19/01/2012	3.9787%	-0.0831	-0.0289	-0.1119	-0.0200	-0.0600	0	0
20/01/2012	3.5417%	-0.0771	-0.0299	-0.1070	-0.0350	-0.0450	0	0
23/01/2012	3.4732%	-0.0802	-0.0316	-0.1118	-0.0250	-0.0400	0	0
24/01/2012	2.5347%	-0.0619	-0.0328	-0.0947	0.0400	-0.0100	0	0
25/01/2012	2.7545%	-0.0629	-0.0309	-0.0938	0.0000	-0.0300	0	0
26/01/2012	2.6317%	-0.0603	-0.0309	-0.0911	-0.0200	-0.0500	0	0
27/01/2012	2.8429%	-0.0669	-0.0318	-0.0988	-0.0050	-0.0450	0	0
30/01/2012	2.7518%	-0.0654	-0.0321	-0.0975	0.0200	-0.0150	0	0
31/01/2012	2.1037%	-0.0491	-0.0311	-0.0802	-0.0300	-0.0550	0	0
01/02/2012	2.1516%	-0.0525	-0.0326	-0.0851	-0.0100	-0.0350	0	0
02/02/2012	2.2129%	-0.0548	-0.0331	-0.0879	-0.0100	-0.0250	0	0
03/02/2012	2.2895%	-0.0575	-0.0336	-0.0910	-0.0100	-0.0250	0	0
06/02/2012	2.0959%	-0.0536	-0.0341	-0.0877	-0.0200	-0.0350	0	0
07/02/2012	2.1574%	-0.0567	-0.0351	-0.0918	-0.0100	-0.0350	0	0
08/02/2012	2.1106%	-0.0563	-0.0356	-0.0919	0.0150	0.0000	0	0
09/02/2012	2.1736%	-0.0567	-0.0348	-0.0915	-0.0100	-0.0200	0	0
10/02/2012	2.3408%	-0.0617	-0.0353	-0.0971	0.0000	-0.0200	0	0
13/02/2012	2.3459%	-0.0619	-0.0353	-0.0972	-0.0150	-0.0350	0	0
14/02/2012	2.4582%	-0.0660	-0.0361	-0.1021	0.0100	-0.0050	0	0
15/02/2012	2.3507%	-0.0624	-0.0356	-0.0980	-0.0200	-0.0450	0	0
16/02/2012	2.5250%	-0.0687	-0.0366	-0.1053	0.0050	-0.0200	0	0
17/02/2012	1.5783%	-0.0434	-0.0363	-0.0797	0.0350	0.0250	0	0
20/02/2012	1.6462%	-0.0431	-0.0346	-0.0776	0.0000	-0.0150	0	0
21/02/2012	1.7267%	-0.0451	-0.0346	-0.0797	0.0000	-0.0150	0	0
22/02/2012	1.7915%	-0.0467	-0.0346	-0.0813	0.0050	-0.0100	0	0
23/02/2012	1.8682%	-0.0483	-0.0343	-0.0826	0.0050	-0.0050	0	0
24/02/2012	1.9872%	-0.0509	-0.0341	-0.0850	0.0000	-0.0150	0	0
27/02/2012	2.0166%	-0.0516	-0.0341	-0.0857	0.0100	-0.0050	0	0
28/02/2012	2.1330%	-0.0537	-0.0336	-0.0873	-0.0050	-0.0100	0	0
29/02/2012	2.2695%	-0.0574	-0.0338	-0.0912	-0.0050	-0.0150	0	0
01/03/2012	2.3600%	-0.0600	-0.0341	-0.0941	-0.0100	-0.0250	0	0
02/03/2012	2.4675%	-0.0635	-0.0346	-0.0981	0.0100	-0.0150	0	0
05/03/2012	2.6568%	-0.0672	-0.0341	-0.1013	0.0050	-0.0100	0	0
06/03/2012	2.7166%	-0.0681	-0.0338	-0.1020	-0.0150	-0.0350	0	0
07/03/2012	2.6444%	-0.0679	-0.0346	-0.1024	0.0200	-0.0050	0	0
08/03/2012	2.5521%	-0.0637	-0.0336	-0.0973	-0.0200	-0.0250	0	0
09/03/2012	2.6942%	-0.0691	-0.0346	-0.1037	0.0100	-0.0150	0	0
12/03/2012	2.8584%	-0.0720	-0.0341	-0.1061	0.0100	-0.0150	0	0
13/03/2012	3.0496%	-0.0754	-0.0336	-0.1090	-0.0100	-0.0250	0	0
14/03/2012	3.1896%	-0.0798	-0.0341	-0.1139	-0.0150	-0.0400	0	0
15/03/2012	3.3550%	-0.0856	-0.0348	-0.1204	0.0150	-0.0050	0	0
16/03/2012	3.6848%	-0.0914	-0.0341	-0.1255	0.0000	-0.0350	0	0
19/03/2012	3.7115%	-0.0920	-0.0341	-0.1261	-0.0250	-0.0600	0	0

20/03/2012	3.9735%	-0.1016	-0.0353	-0.1369	-0.0150	-0.0350	0	0
21/03/2012	4.0778%	-0.1062	-0.0361	-0.1423	0.0250	0.0000	0	0
22/03/2012	4.4869%	-0.1120	-0.0348	-0.1468	-0.0050	-0.0550	0	0
23/03/2012	3.6462%	-0.0931	-0.0351	-0.1282	0.0500	0.0350	0	0
26/03/2012	2.7969%	-0.0675	-0.0326	-0.1000	0.0400	0.0150	0	0
27/03/2012	2.9597%	-0.0668	-0.0306	-0.0974	0.0100	-0.0250	0	0
28/03/2012	3.1469%	-0.0696	-0.0301	-0.0997	0.0100	0.0050	0	0
29/03/2012	3.0759%	-0.0670	-0.0296	-0.0966	0.0200	0.0150	0	0
30/03/2012	2.9855%	-0.0630	-0.0286	-0.0916	-0.0200	-0.0250	0	0
02/04/2012	3.0517%	-0.0665	-0.0296	-0.0961	0.0150	0.0100	0	0
03/04/2012	3.3188%	-0.0702	-0.0289	-0.0990	-0.0050	-0.0150	0	0
04/04/2012	2.7380%	-0.0590	-0.0291	-0.0882	0.0300	0.0250	0	0
09/04/2012	2.9573%	-0.0602	-0.0276	-0.0879	0.0050	0.0000	0	0
10/04/2012	2.5185%	-0.0513	-0.0274	-0.0786	-0.0250	-0.0350	0	0
11/04/2012	2.4703%	-0.0526	-0.0286	-0.0812	-0.0150	-0.0200	0	0
12/04/2012	2.4234%	-0.0530	-0.0294	-0.0824	-0.0150	-0.0250	0	0
13/04/2012	2.5999%	-0.0581	-0.0301	-0.0882	0.0050	0.0000	0	0
16/04/2012	2.8033%	-0.0619	-0.0299	-0.0918	-0.0050	-0.0150	0	0
17/04/2012	2.6472%	-0.0591	-0.0301	-0.0892	0.0200	0.0150	0	0
18/04/2012	2.7730%	-0.0598	-0.0291	-0.0889	0.0100	0.0050	0	0
19/04/2012	2.9994%	-0.0633	-0.0286	-0.0919	0.0050	0.0000	0	0
20/04/2012	3.2583%	-0.0678	-0.0284	-0.0961	-0.0050	-0.0150	0	0
23/04/2012	3.4877%	-0.0729	-0.0286	-0.1015	-0.0100	-0.0150	0	0
24/04/2012	3.7555%	-0.0794	-0.0291	-0.1085	-0.0100	-0.0150	0	0
25/04/2012	4.1182%	-0.0880	-0.0296	-0.1176	0.0050	0.0000	0	0
26/04/2012	2.7422%	-0.0596	-0.0294	-0.0890	0.0450	0.0350	0	0
27/04/2012	2.8686%	-0.0575	-0.0271	-0.0846	0.0100	0.0050	0	0
30/04/2012	2.2466%	-0.0447	-0.0266	-0.0713	0.0250	0.0200	0	0
02/05/2012	2.3835%	-0.0451	-0.0254	-0.0705	-0.0050	-0.0150	0	0
03/05/2012	2.5816%	-0.0492	-0.0256	-0.0748	0.0000	-0.0050	0	0
04/05/2012	2.2039%	-0.0423	-0.0256	-0.0679	-0.0200	-0.0250	0	0
07/05/2012	2.3756%	-0.0472	-0.0266	-0.0738	0.0000	-0.0050	0	0
08/05/2012	2.2414%	-0.0446	-0.0266	-0.0712	-0.0150	-0.0200	0	0
09/05/2012	2.3825%	-0.0486	-0.0274	-0.0760	0.0050	-0.0050	0	0
10/05/2012	2.4433%	-0.0494	-0.0271	-0.0765	-0.0100	-0.0150	0	0
11/05/2012	2.5167%	-0.0517	-0.0276	-0.0793	0.0100	0.0050	0	0
14/05/2012	2.7013%	-0.0543	-0.0271	-0.0814	0.0050	0.0000	0	0
15/05/2012	2.9140%	-0.0578	-0.0269	-0.0847	-0.0050	-0.0150	0	0
16/05/2012	3.0715%	-0.0613	-0.0271	-0.0884	0.0100	0.0050	0	0
17/05/2012	2.9170%	-0.0573	-0.0266	-0.0839	-0.0200	-0.0250	0	0
18/05/2012	2.7132%	-0.0555	-0.0276	-0.0831	0.0200	0.0050	0	0
21/05/2012	2.9577%	-0.0581	-0.0266	-0.0847	0.0000	-0.0050	0	0
22/05/2012	3.2354%	-0.0632	-0.0266	-0.0898	0.0000	-0.0050	0	0
23/05/2012	2.8722%	-0.0565	-0.0266	-0.0831	-0.0250	-0.0300	0	0
24/05/2012	2.8969%	-0.0596	-0.0279	-0.0875	-0.0150	-0.0250	0	0
25/05/2012	2.7547%	-0.0584	-0.0286	-0.0870	-0.0200	-0.0250	0	0

28/05/2012	2.9805%	-0.0651	-0.0296	-0.0947	-0.0050	-0.0100	0	0
29/05/2012	3.2387%	-0.0709	-0.0299	-0.1008	0.0050	-0.0050	0	0
30/05/2012	3.4681%	-0.0750	-0.0296	-0.1046	0.0100	0.0050	0	0
31/05/2012	3.7329%	-0.0790	-0.0291	-0.1081	-0.0100	-0.0150	0	0
01/06/2012	3.8233%	-0.0821	-0.0296	-0.1117	-0.0200	-0.0250	0	0
04/06/2012	4.1476%	-0.0915	-0.0306	-0.1221	-0.0100	-0.0150	0	0
05/06/2012	4.3452%	-0.0971	-0.0311	-0.1282	-0.0200	-0.0250	0	0
06/06/2012	4.5918%	-0.1054	-0.0321	-0.1375	-0.0200	-0.0250	0	0
07/06/2012	3.6083%	-0.0870	-0.0331	-0.1201	0.0500	0.0450	0	0
08/06/2012	3.8991%	-0.0865	-0.0306	-0.1171	0.0100	0.0050	0	0
11/06/2012	4.0329%	-0.0877	-0.0301	-0.1179	-0.0200	-0.0250	0	0
12/06/2012	4.3868%	-0.0979	-0.0311	-0.1290	0.0100	0.0050	0	0
13/06/2012	4.4597%	-0.0978	-0.0306	-0.1284	0.0250	0.0200	0	0
14/06/2012	4.7851%	-0.1001	-0.0294	-0.1295	0.0150	0.0050	0	0
15/06/2012	5.2314%	-0.1058	-0.0286	-0.1344	0.0100	0.0050	0	0
18/06/2012	5.7368%	-0.1129	-0.0281	-0.1410	-0.0100	-0.0150	0	0
19/06/2012	6.1491%	-0.1222	-0.0286	-0.1508	0.0200	0.0150	0	0
20/06/2012	6.3812%	-0.1219	-0.0276	-0.1495	-0.0300	-0.0350	0	0
21/06/2012	6.7000%	-0.1341	-0.0291	-0.1632	-0.0300	-0.0350	0	0
22/06/2012	5.7704%	-0.1235	-0.0306	-0.1541	0.0600	0.0550	0	0
25/06/2012	4.7238%	-0.0931	-0.0276	-0.1207	0.0500	0.0450	0	0
26/06/2012	4.8868%	-0.0873	-0.0251	-0.1125	0.0200	0.0050	0	0
27/06/2012	4.1867%	-0.0728	-0.0241	-0.0969	0.0350	0.0200	0	0
28/06/2012	3.1067%	-0.0512	-0.0224	-0.0736	-0.0350	-0.0450	0	0
02/07/2012	3.3717%	-0.0596	-0.0241	-0.0837	-0.0050	-0.0100	0	0
03/07/2012	3.6745%	-0.0652	-0.0244	-0.0896	-0.0050	-0.0150	0	0
04/07/2012	4.0188%	-0.0716	-0.0246	-0.0962	-0.0050	-0.0100	0	0
05/07/2012	4.4085%	-0.0787	-0.0249	-0.1036	0.0050	-0.0050	0	0
06/07/2012	4.8701%	-0.0853	-0.0246	-0.1100	0.0000	-0.0050	0	0
09/07/2012	3.6381%	-0.0653	-0.0246	-0.0899	-0.0450	-0.0500	0	0
10/07/2012	3.4292%	-0.0674	-0.0269	-0.0942	-0.0250	-0.0350	0	0
11/07/2012	3.7684%	-0.0770	-0.0281	-0.1051	0.0000	-0.0050	0	0
12/07/2012	4.1507%	-0.0842	-0.0281	-0.1123	0.0000	-0.0050	0	0
13/07/2012	4.5100%	-0.0908	-0.0281	-0.1189	-0.0100	-0.0150	0	0
16/07/2012	3.9250%	-0.0813	-0.0286	-0.1099	-0.0400	-0.0450	0	0
17/07/2012	2.4451%	-0.0557	-0.0306	-0.0863	-0.0500	-0.0550	1	0
18/07/2012	1.7241%	-0.0431	-0.0331	-0.0762	-0.0300	-0.0350	0	0
19/07/2012	1.8185%	-0.0474	-0.0346	-0.0820	0.0000	-0.0050	0	0
20/07/2012	1.8155%	-0.0473	-0.0346	-0.0819	-0.0100	-0.0150	0	0
23/07/2012	1.9257%	-0.0508	-0.0351	-0.0859	0.0000	-0.0050	0	0
24/07/2012	2.0541%	-0.0541	-0.0351	-0.0892	0.0000	-0.0050	0	0
25/07/2012	1.7946%	-0.0475	-0.0351	-0.0826	-0.0200	-0.0250	0	0
26/07/2012	1.8747%	-0.0509	-0.0361	-0.0870	0.0050	0.0000	0	0
27/07/2012	1.9948%	-0.0537	-0.0358	-0.0895	0.0000	-0.0100	0	0
30/07/2012	1.9152%	-0.0516	-0.0358	-0.0875	-0.0150	-0.0250	0	0
31/07/2012	1.8118%	-0.0500	-0.0366	-0.0865	0.0150	0.0100	0	0

01/08/2012	1.8952%	-0.0511	-0.0358	-0.0869	-0.0050	-0.0150	0	0
02/08/2012	2.0186%	-0.0547	-0.0361	-0.0908	0.0000	-0.0050	0	0
03/08/2012	2.1389%	-0.0578	-0.0361	-0.0939	-0.0050	-0.0100	0	0
06/08/2012	2.2793%	-0.0619	-0.0363	-0.0982	0.0050	-0.0050	0	0
07/08/2012	2.4623%	-0.0661	-0.0361	-0.1022	0.0000	-0.0150	0	0
08/08/2012	2.5975%	-0.0696	-0.0361	-0.1057	-0.0100	-0.0150	0	0
09/08/2012	2.5463%	-0.0692	-0.0366	-0.1058	-0.0200	-0.0350	0	0
10/08/2012	2.1197%	-0.0597	-0.0376	-0.0973	-0.0300	-0.0350	0	0
13/08/2012	2.2041%	-0.0644	-0.0391	-0.1035	-0.0100	-0.0250	0	0
14/08/2012	2.3583%	-0.0696	-0.0396	-0.1092	0.0050	0.0000	0	0
15/08/2012	2.5363%	-0.0741	-0.0393	-0.1135	0.0050	-0.0050	0	0
16/08/2012	2.3265%	-0.0678	-0.0391	-0.1069	0.0250	0.0200	0	0
20/08/2012	2.4985%	-0.0703	-0.0378	-0.1081	-0.0050	-0.0150	0	0
21/08/2012	2.6475%	-0.0748	-0.0381	-0.1129	-0.0100	-0.0150	0	0
22/08/2012	2.8229%	-0.0805	-0.0386	-0.1191	-0.0100	-0.0150	0	0
23/08/2012	2.7298%	-0.0790	-0.0391	-0.1181	-0.0250	-0.0400	0	0
24/08/2012	2.1888%	-0.0660	-0.0403	-0.1063	0.0350	0.0250	0	0
27/08/2012	2.2844%	-0.0658	-0.0386	-0.1044	-0.0100	-0.0150	0	0
28/08/2012	2.3995%	-0.0699	-0.0391	-0.1089	-0.0100	-0.0150	0	0
29/08/2012	2.6000%	-0.0764	-0.0396	-0.1160	0.0000	-0.0050	0	0
31/08/2012	2.7692%	-0.0811	-0.0396	-0.1207	0.0100	0.0050	0	0
03/09/2012	3.0215%	-0.0870	-0.0391	-0.1260	0.0000	-0.0050	0	0
04/09/2012	2.2881%	-0.0668	-0.0391	-0.1058	0.0400	0.0350	0	0
05/09/2012	2.4723%	-0.0682	-0.0371	-0.1053	0.0000	-0.0050	0	0
06/09/2012	2.6833%	-0.0738	-0.0371	-0.1108	0.0000	-0.0050	0	0
07/09/2012	2.6617%	-0.0732	-0.0371	-0.1103	-0.0200	-0.0250	0	0
10/09/2012	2.6488%	-0.0748	-0.0381	-0.1129	-0.0200	-0.0250	0	0
11/09/2012	2.8244%	-0.0816	-0.0391	-0.1207	0.0100	0.0050	0	0
12/09/2012	3.0842%	-0.0875	-0.0386	-0.1261	0.0000	-0.0050	0	0
13/09/2012	3.1719%	-0.0899	-0.0386	-0.1284	-0.0200	-0.0250	0	0
14/09/2012	3.2875%	-0.0953	-0.0396	-0.1349	-0.0200	-0.0250	0	0
17/09/2012	3.5652%	-0.1054	-0.0406	-0.1460	-0.0100	-0.0250	0	0
18/09/2012	3.5382%	-0.1060	-0.0411	-0.1470	0.0300	0.0250	0	0
19/09/2012	3.6075%	-0.1040	-0.0396	-0.1435	0.0250	0.0200	0	0
20/09/2012	3.0046%	-0.0848	-0.0383	-0.1232	-0.0450	-0.0550	0	0
21/09/2012	3.2766%	-0.0974	-0.0406	-0.1380	-0.0050	-0.0100	0	0
24/09/2012	3.3244%	-0.0994	-0.0408	-0.1402	-0.0250	-0.0350	0	0
25/09/2012	1.8730%	-0.0593	-0.0421	-0.1014	-0.0600	-0.0650	0	0
26/09/2012	1.9286%	-0.0653	-0.0450	-0.1104	-0.0100	-0.0250	0	0
27/09/2012	1.9966%	-0.0683	-0.0455	-0.1138	-0.0100	-0.0150	0	0
28/09/2012	2.0792%	-0.0718	-0.0460	-0.1178	-0.0100	-0.0150	0	0
03/10/2012	2.0117%	-0.0703	-0.0465	-0.1168	-0.0200	-0.0250	0	0
04/10/2012	1.9248%	-0.0688	-0.0475	-0.1163	0.0200	0.0150	0	0
05/10/2012	1.9948%	-0.0697	-0.0465	-0.1163	-0.0100	-0.0150	0	0
09/10/2012	2.0782%	-0.0733	-0.0470	-0.1203	0.0100	-0.0050	0	0
10/10/2012	2.0105%	-0.0703	-0.0465	-0.1168	-0.0200	-0.0250	0	0

11/10/2012	1.9331%	-0.0691	-0.0475	-0.1166	-0.0200	-0.0250	0	0
12/10/2012	2.0083%	-0.0732	-0.0485	-0.1217	0.0100	0.0050	0	0
15/10/2012	2.0977%	-0.0755	-0.0480	-0.1236	-0.0100	-0.0150	0	0
16/10/2012	2.2035%	-0.0800	-0.0485	-0.1285	0.0100	0.0050	0	0
17/10/2012	1.8871%	-0.0682	-0.0480	-0.1162	0.0300	0.0250	0	0
18/10/2012	2.0092%	-0.0702	-0.0465	-0.1167	0.0000	-0.0050	0	0
19/10/2012	2.0941%	-0.0731	-0.0465	-0.1196	0.0100	-0.0050	0	0
22/10/2012	2.2356%	-0.0770	-0.0460	-0.1230	-0.0050	-0.0100	0	0
23/10/2012	2.3995%	-0.0828	-0.0463	-0.1291	0.0050	-0.0050	0	0
24/10/2012	2.1530%	-0.0742	-0.0460	-0.1203	-0.0300	-0.0450	0	0
25/10/2012	1.8366%	-0.0658	-0.0475	-0.1133	-0.0300	-0.0350	0	0
26/10/2012	1.8950%	-0.0699	-0.0490	-0.1189	-0.0100	-0.0150	0	0
29/10/2012	1.9649%	-0.0731	-0.0495	-0.1227	0.0100	0.0050	0	0
30/10/2012	1.8883%	-0.0697	-0.0490	-0.1187	-0.0200	-0.0250	0	0
31/10/2012	1.7980%	-0.0678	-0.0500	-0.1178	-0.0200	-0.0250	0	0
02/11/2012	1.8518%	-0.0712	-0.0510	-0.1222	0.0100	0.0050	0	0
05/11/2012	1.9164%	-0.0728	-0.0505	-0.1233	-0.0100	-0.0150	0	0
06/11/2012	1.8429%	-0.0708	-0.0510	-0.1218	-0.0200	-0.0250	0	0
07/11/2012	1.9087%	-0.0747	-0.0520	-0.1267	-0.0100	-0.0150	0	0
08/11/2012	1.9881%	-0.0784	-0.0525	-0.1309	-0.0100	-0.0150	0	0
09/11/2012	1.6791%	-0.0673	-0.0530	-0.1203	0.0300	0.0250	0	0
12/11/2012	1.7516%	-0.0681	-0.0515	-0.1196	0.0050	0.0000	0	0
13/11/2012	1.8376%	-0.0710	-0.0513	-0.1222	-0.0050	-0.0150	0	0
14/11/2012	1.7448%	-0.0678	-0.0515	-0.1193	-0.0200	-0.0250	0	0
15/11/2012	1.7907%	-0.0709	-0.0525	-0.1234	0.0100	-0.0150	0	0
16/11/2012	1.8461%	-0.0723	-0.0520	-0.1243	-0.0100	-0.0150	0	0
19/11/2012	1.9126%	-0.0756	-0.0525	-0.1281	0.0100	0.0050	0	0
20/11/2012	1.8458%	-0.0723	-0.0520	-0.1243	-0.0200	-0.0250	0	0
21/11/2012	1.9141%	-0.0763	-0.0530	-0.1293	-0.0100	-0.0150	0	0
22/11/2012	2.0406%	-0.0819	-0.0535	-0.1354	0.0000	-0.0050	0	0
23/11/2012	2.1873%	-0.0876	-0.0535	-0.1411	0.0000	-0.0050	0	0
26/11/2012	1.4302%	-0.0581	-0.0535	-0.1116	-0.0450	-0.0500	0	0
27/11/2012	1.4689%	-0.0621	-0.0557	-0.1179	0.0000	-0.0100	0	0
28/11/2012	1.5018%	-0.0635	-0.0557	-0.1192	-0.0050	-0.0150	0	0
29/11/2012	1.5005%	-0.0637	-0.0560	-0.1197	0.0100	0.0050	0	0
30/11/2012	1.5534%	-0.0653	-0.0555	-0.1208	0.0000	-0.0050	0	0
03/12/2012	1.5643%	-0.0658	-0.0555	-0.1212	-0.0100	-0.0150	0	0
04/12/2012	1.5777%	-0.0669	-0.0560	-0.1229	0.0100	0.0050	0	0
05/12/2012	1.4313%	-0.0603	-0.0555	-0.1158	-0.0200	-0.0250	0	0
06/12/2012	1.4146%	-0.0607	-0.0565	-0.1172	-0.0100	-0.0150	0	0
07/12/2012	1.4500%	-0.0627	-0.0570	-0.1197	0.0000	-0.0050	0	0
10/12/2012	1.4390%	-0.0623	-0.0570	-0.1192	-0.0100	-0.0150	0	0
11/12/2012	1.4795%	-0.0645	-0.0575	-0.1220	0.0000	-0.0050	0	0
12/12/2012	1.5283%	-0.0666	-0.0575	-0.1241	0.0000	-0.0050	0	0
13/12/2012	1.4700%	-0.0641	-0.0575	-0.1216	0.0150	0.0100	0	0
14/12/2012	1.5035%	-0.0647	-0.0567	-0.1214	0.0050	-0.0050	0	0

17/12/2012	1.5046%	-0.0644	-0.0565	-0.1209	-0.0100	-0.0150	0	0
18/12/2012	1.5583%	-0.0673	-0.0570	-0.1242	0.0000	-0.0050	0	0
19/12/2012	1.5730%	-0.0679	-0.0570	-0.1249	-0.0100	-0.0150	0	0
20/12/2012	1.5911%	-0.0692	-0.0575	-0.1267	0.0100	0.0050	0	0
21/12/2012	1.4612%	-0.0632	-0.0570	-0.1202	-0.0200	-0.0250	0	0
24/12/2012	1.5062%	-0.0662	-0.0580	-0.1242	0.0000	-0.0050	0	0
26/12/2012	1.5603%	-0.0685	-0.0580	-0.1265	0.0000	-0.0050	0	0
27/12/2012	1.5772%	-0.0692	-0.0580	-0.1272	-0.0100	-0.0150	0	0
28/12/2012	1.5979%	-0.0707	-0.0585	-0.1292	0.0100	0.0050	0	0
31/12/2012	1.6224%	-0.0712	-0.0580	-0.1291	0.0100	0.0050	0	0
02/01/2013	1.6870%	-0.0733	-0.0575	-0.1308	0.0050	-0.0100	0	0
03/01/2013	1.7637%	-0.0762	-0.0572	-0.1334	0.0050	-0.0050	0	0
04/01/2013	1.8214%	-0.0782	-0.0570	-0.1352	0.0100	0.0050	0	0
07/01/2013	1.8906%	-0.0804	-0.0565	-0.1369	-0.0100	-0.0150	0	0
08/01/2013	1.8514%	-0.0795	-0.0570	-0.1365	-0.0200	-0.0250	0	0
09/01/2013	1.9676%	-0.0857	-0.0580	-0.1437	0.0000	-0.0050	0	0
10/01/2013	1.7326%	-0.0758	-0.0580	-0.1338	0.0300	0.0250	0	0
11/01/2013	1.8285%	-0.0778	-0.0565	-0.1343	0.0000	-0.0050	0	0
14/01/2013	1.7693%	-0.0754	-0.0565	-0.1319	-0.0200	-0.0250	0	0
15/01/2013	1.8716%	-0.0810	-0.0575	-0.1385	0.0000	-0.0050	0	0
16/01/2013	1.9912%	-0.0860	-0.0575	-0.1435	0.0000	-0.0050	0	0
17/01/2013	1.9805%	-0.0855	-0.0575	-0.1430	-0.0200	-0.0250	0	0
18/01/2013	2.0820%	-0.0913	-0.0585	-0.1498	-0.0100	-0.0150	0	0
21/01/2013	1.9216%	-0.0853	-0.0590	-0.1442	-0.0300	-0.0350	0	0
22/01/2013	2.0142%	-0.0915	-0.0605	-0.1519	0.0100	0.0050	0	0
23/01/2013	1.8237%	-0.0824	-0.0600	-0.1424	0.0300	0.0250	0	0
24/01/2013	1.9352%	-0.0851	-0.0585	-0.1436	0.0000	-0.0050	0	0
25/01/2013	1.6940%	-0.0748	-0.0585	-0.1333	0.0300	0.0250	0	0
28/01/2013	1.5912%	-0.0686	-0.0570	-0.1256	0.0200	0.0150	0	0
29/01/2013	1.6107%	-0.0682	-0.0560	-0.1242	0.0100	0.0050	0	0
30/01/2013	1.6847%	-0.0706	-0.0555	-0.1261	0.0000	-0.0050	0	0
31/01/2013	1.7237%	-0.0722	-0.0555	-0.1277	0.0100	-0.0050	0	0
01/02/2013	1.7709%	-0.0735	-0.0550	-0.1285	-0.0100	-0.0250	0	0
04/02/2013	1.8734%	-0.0783	-0.0555	-0.1338	0.0000	-0.0050	0	0
05/02/2013	1.9503%	-0.0814	-0.0555	-0.1369	0.0100	0.0050	0	0
06/02/2013	2.0416%	-0.0843	-0.0550	-0.1393	-0.0100	-0.0150	0	0
07/02/2013	2.0323%	-0.0847	-0.0555	-0.1401	-0.0200	-0.0250	0	0
08/02/2013	2.1777%	-0.0921	-0.0565	-0.1486	0.0000	-0.0050	0	0
11/02/2013	1.6782%	-0.0716	-0.0565	-0.1281	0.0400	0.0350	0	0
12/02/2013	1.7645%	-0.0726	-0.0545	-0.1270	0.0000	-0.0050	0	0
13/02/2013	1.8660%	-0.0766	-0.0545	-0.1311	0.0000	-0.0050	0	0
14/02/2013	1.8042%	-0.0741	-0.0545	-0.1286	-0.0200	-0.0250	0	0
15/02/2013	1.8685%	-0.0781	-0.0555	-0.1336	-0.0100	-0.0150	0	0
18/02/2013	1.5577%	-0.0661	-0.0560	-0.1221	0.0300	0.0250	0	0
19/02/2013	1.5666%	-0.0647	-0.0545	-0.1192	0.0100	0.0050	0	0
20/02/2013	1.6188%	-0.0661	-0.0540	-0.1201	-0.0050	-0.0100	0	0

21/02/2013	1.6943%	-0.0694	-0.0542	-0.1237	0.0000	-0.0100	0	0
22/02/2013	1.5701%	-0.0645	-0.0542	-0.1188	0.0200	0.0100	0	0
25/02/2013	1.6226%	-0.0654	-0.0532	-0.1186	-0.0050	-0.0150	0	0
26/02/2013	1.6854%	-0.0681	-0.0535	-0.1216	0.0050	0.0000	0	0
27/02/2013	1.7213%	-0.0692	-0.0532	-0.1225	-0.0100	-0.0200	0	0
28/02/2013	1.8028%	-0.0731	-0.0537	-0.1268	0.0050	-0.0050	0	0
01/03/2013	1.8634%	-0.0751	-0.0535	-0.1286	-0.0100	-0.0150	0	0
04/03/2013	1.8768%	-0.0763	-0.0540	-0.1303	0.0150	0.0100	0	0
05/03/2013	1.8933%	-0.0759	-0.0532	-0.1291	-0.0150	-0.0250	0	0
06/03/2013	1.8358%	-0.0747	-0.0540	-0.1287	-0.0200	-0.0250	0	0
07/03/2013	1.9493%	-0.0806	-0.0550	-0.1356	0.0000	-0.0050	0	0
08/03/2013	1.9858%	-0.0821	-0.0550	-0.1370	0.0150	0.0100	0	0
11/03/2013	2.0273%	-0.0826	-0.0542	-0.1368	0.0150	0.0050	0	0
12/03/2013	2.0777%	-0.0834	-0.0535	-0.1369	-0.0150	-0.0200	0	0
13/03/2013	2.2204%	-0.0901	-0.0542	-0.1443	-0.0050	-0.0150	0	0
14/03/2013	2.3946%	-0.0973	-0.0545	-0.1518	0.0000	-0.0050	0	0
15/03/2013	2.5609%	-0.1037	-0.0545	-0.1582	-0.0100	-0.0150	0	0
18/03/2013	2.7767%	-0.1130	-0.0550	-0.1680	-0.0050	-0.0100	0	0
19/03/2013	2.8542%	-0.1165	-0.0552	-0.1718	-0.0250	-0.0350	0	0
20/03/2013	2.9549%	-0.1231	-0.0565	-0.1796	-0.0250	-0.0300	0	0
21/03/2013	2.5294%	-0.1086	-0.0577	-0.1663	0.0500	0.0400	0	0
22/03/2013	2.7178%	-0.1112	-0.0552	-0.1665	-0.0100	-0.0200	0	0
25/03/2013	2.2960%	-0.0956	-0.0557	-0.1513	0.0450	0.0350	0	0
26/03/2013	2.3285%	-0.0930	-0.0535	-0.1465	0.0200	0.0150	0	0
27/03/2013	2.3622%	-0.0925	-0.0525	-0.1450	0.0200	0.0150	0	0
01/04/2013	2.5477%	-0.0975	-0.0515	-0.1491	0.0050	0.0000	0	0
02/04/2013	2.5435%	-0.0969	-0.0513	-0.1482	-0.0250	-0.0350	0	0
03/04/2013	1.6509%	-0.0656	-0.0525	-0.1181	0.0500	0.0450	0	0
04/04/2013	1.4691%	-0.0558	-0.0500	-0.1058	0.0200	0.0150	0	0
05/04/2013	1.4438%	-0.0537	-0.0490	-0.1028	-0.0100	-0.0150	0	0
08/04/2013	1.4853%	-0.0558	-0.0495	-0.1053	0.0000	-0.0050	0	0
09/04/2013	1.5180%	-0.0570	-0.0495	-0.1065	-0.0050	-0.0100	0	0
10/04/2013	1.5608%	-0.0588	-0.0498	-0.1086	0.0045	-0.0045	0	0
11/04/2013	1.6122%	-0.0604	-0.0495	-0.1100	0.0045	0.0000	0	0
12/04/2013	1.6737%	-0.0624	-0.0493	-0.1117	-0.0045	-0.0135	0	0
15/04/2013	1.7592%	-0.0658	-0.0495	-0.1153	0.0000	-0.0045	0	0
16/04/2013	1.7550%	-0.0656	-0.0495	-0.1152	-0.0135	-0.0180	0	0
17/04/2013	1.7499%	-0.0663	-0.0502	-0.1165	0.0135	0.0045	0	0
18/04/2013	1.7434%	-0.0652	-0.0495	-0.1147	-0.0135	-0.0180	0	0
19/04/2013	1.5262%	-0.0581	-0.0502	-0.1083	0.0225	0.0135	0	0
22/04/2013	1.5213%	-0.0566	-0.0491	-0.1057	0.0095	0.0050	0	0
23/04/2013	1.5641%	-0.0576	-0.0486	-0.1062	0.0045	-0.0005	0	0
24/04/2013	1.4928%	-0.0548	-0.0484	-0.1032	-0.0140	-0.0235	0	0
25/04/2013	1.5267%	-0.0568	-0.0491	-0.1059	0.0050	0.0005	0	0
26/04/2013	1.5677%	-0.0580	-0.0488	-0.1068	-0.0050	-0.0145	0	0
29/04/2013	1.6336%	-0.0607	-0.0491	-0.1098	0.0000	-0.0045	0	0

30/04/2013	1.6537%	-0.0614	-0.0491	-0.1105	0.0095	0.0050	0	0
02/05/2013	1.7229%	-0.0633	-0.0486	-0.1119	-0.0045	-0.0095	0	0
03/05/2013	1.7677%	-0.0651	-0.0488	-0.1140	0.0090	-0.0005	0	0
06/05/2013	1.8217%	-0.0665	-0.0484	-0.1149	-0.0090	-0.0185	0	0
07/05/2013	1.8875%	-0.0694	-0.0488	-0.1182	-0.0090	-0.0185	0	0
08/05/2013	1.9046%	-0.0707	-0.0493	-0.1199	-0.0140	-0.0325	0	0
09/05/2013	1.7465%	-0.0659	-0.0500	-0.1159	-0.0230	-0.0275	0	0
10/05/2013	1.7382%	-0.0671	-0.0511	-0.1182	-0.0140	-0.0325	0	0
13/05/2013	1.6424%	-0.0644	-0.0518	-0.1162	0.0185	0.0050	0	0
14/05/2013	1.7105%	-0.0658	-0.0509	-0.1167	-0.0045	-0.0095	0	0
15/05/2013	1.7914%	-0.0691	-0.0511	-0.1202	0.0045	-0.0140	0	0
16/05/2013	1.8974%	-0.0727	-0.0509	-0.1236	0.0000	-0.0050	0	0
17/05/2013	1.9235%	-0.0737	-0.0509	-0.1246	-0.0140	-0.0190	0	0
20/05/2013	2.0132%	-0.0780	-0.0516	-0.1296	-0.0090	-0.0180	0	0
21/05/2013	2.0745%	-0.0810	-0.0521	-0.1331	-0.0135	-0.0225	0	0
22/05/2013	2.0844%	-0.0824	-0.0527	-0.1352	0.0180	0.0135	0	0
23/05/2013	2.0967%	-0.0815	-0.0518	-0.1333	-0.0180	-0.0225	0	0
24/05/2013	2.2521%	-0.0888	-0.0527	-0.1415	0.0000	-0.0045	0	0
27/05/2013	1.8294%	-0.0727	-0.0527	-0.1254	0.0365	0.0320	0	0
28/05/2013	1.7609%	-0.0677	-0.0509	-0.1186	-0.0185	-0.0235	0	0
29/05/2013	1.8617%	-0.0727	-0.0518	-0.1245	0.0000	-0.0045	0	0
30/05/2013	1.5818%	-0.0621	-0.0518	-0.1139	-0.0275	-0.0410	0	0
31/05/2013	1.5993%	-0.0644	-0.0532	-0.1176	0.0095	-0.0045	0	0
03/06/2013	1.6599%	-0.0662	-0.0527	-0.1189	-0.0045	-0.0090	0	0
04/06/2013	1.7322%	-0.0693	-0.0529	-0.1222	-0.0045	-0.0135	0	0
05/06/2013	1.6412%	-0.0660	-0.0532	-0.1192	-0.0190	-0.0235	0	0
06/06/2013	1.7105%	-0.0699	-0.0541	-0.1240	-0.0045	-0.0090	0	0
07/06/2013	1.7034%	-0.0699	-0.0543	-0.1243	0.0140	0.0050	0	0
10/06/2013	1.6106%	-0.0654	-0.0536	-0.1190	0.0185	0.0135	0	0
11/06/2013	1.6389%	-0.0654	-0.0527	-0.1181	0.0090	0.0045	0	0
12/06/2013	1.7181%	-0.0678	-0.0523	-0.1201	0.0000	-0.0045	0	0
13/06/2013	1.8115%	-0.0714	-0.0523	-0.1237	0.0000	-0.0045	0	0
14/06/2013	1.8803%	-0.0740	-0.0523	-0.1263	0.0090	0.0045	0	0
17/06/2013	1.9616%	-0.0764	-0.0518	-0.1283	0.0090	0.0045	0	0
18/06/2013	2.0580%	-0.0793	-0.0514	-0.1307	-0.0090	-0.0135	0	0
19/06/2013	2.1721%	-0.0843	-0.0518	-0.1361	-0.0090	-0.0135	0	0
20/06/2013	2.2067%	-0.0863	-0.0523	-0.1386	-0.0180	-0.0225	0	0
21/06/2013	2.2487%	-0.0894	-0.0532	-0.1426	0.0180	0.0135	0	0
24/06/2013	2.4271%	-0.0945	-0.0523	-0.1468	0.0000	-0.0045	0	0
25/06/2013	2.5645%	-0.0996	-0.0523	-0.1519	0.0135	0.0090	0	0
26/06/2013	2.7184%	-0.1039	-0.0516	-0.1556	0.0140	0.0050	0	0
27/06/2013	2.7048%	-0.1021	-0.0509	-0.1530	-0.0275	-0.0325	0	0
28/06/2013	2.9224%	-0.1128	-0.0523	-0.1650	-0.0090	-0.0135	0	0
01/07/2013	2.7653%	-0.1079	-0.0527	-0.1607	0.0365	0.0320	0	0
02/07/2013	2.5571%	-0.0968	-0.0509	-0.1477	-0.0365	-0.0415	0	0
03/07/2013	2.7800%	-0.1085	-0.0527	-0.1612	0.0000	-0.0045	0	0

04/07/2013	2.3315%	-0.0918	-0.0527	-0.1445	-0.0460	-0.0505	0	0
05/07/2013	1.7014%	-0.0707	-0.0550	-0.1257	-0.0460	-0.0505	0	0
08/07/2013	1.7918%	-0.0774	-0.0573	-0.1347	0.0000	-0.0045	0	0
09/07/2013	1.7608%	-0.0761	-0.0573	-0.1334	-0.0180	-0.0225	0	0
10/07/2013	1.7215%	-0.0757	-0.0582	-0.1339	0.0180	0.0135	0	0
11/07/2013	1.7798%	-0.0769	-0.0573	-0.1342	0.0090	0.0045	0	0
12/07/2013	1.8495%	-0.0792	-0.0569	-0.1361	-0.0090	-0.0135	0	0
15/07/2013	1.9572%	-0.0843	-0.0573	-0.1416	0.0045	0.0000	0	0
16/07/2013	2.0830%	-0.0892	-0.0571	-0.1463	-0.0045	-0.0135	0	0
17/07/2013	2.1104%	-0.0907	-0.0573	-0.1480	0.0185	0.0140	0	0
18/07/2013	2.2351%	-0.0942	-0.0564	-0.1506	0.0095	0.0045	0	0
19/07/2013	2.2959%	-0.0959	-0.0559	-0.1518	0.0180	0.0135	0	0
22/07/2013	2.4536%	-0.1005	-0.0550	-0.1555	-0.0090	-0.0225	0	0
23/07/2013	2.6555%	-0.1093	-0.0555	-0.1647	-0.0045	-0.0090	0	0
24/07/2013	2.8662%	-0.1179	-0.0557	-0.1736	-0.0095	-0.0185	0	0
25/07/2013	3.1250%	-0.1290	-0.0562	-0.1852	0.0050	-0.0045	0	0
26/07/2013	3.3800%	-0.1383	-0.0559	-0.1942	0.0135	0.0090	0	0
30/07/2013	2.3072%	-0.0952	-0.0552	-0.1504	0.0685	0.0595	0	0
31/07/2013	2.4943%	-0.0962	-0.0518	-0.1480	0.0000	-0.0045	0	0
01/08/2013	2.7083%	-0.1040	-0.0518	-0.1559	0.0000	-0.0045	0	0
02/08/2013	2.8466%	-0.1091	-0.0518	-0.1609	-0.0180	-0.0225	0	0
05/08/2013	3.0853%	-0.1197	-0.0527	-0.1724	-0.0090	-0.0135	0	0
06/08/2013	3.3744%	-0.1313	-0.0532	-0.1845	0.0045	0.0000	0	0
07/08/2013	3.4424%	-0.1332	-0.0529	-0.1862	-0.0325	-0.0415	0	0
08/08/2013	3.7096%	-0.1472	-0.0546	-0.2017	-0.0180	-0.0225	0	0
09/08/2013	3.6429%	-0.1471	-0.0555	-0.2026	-0.0460	-0.0505	0	0
12/08/2013	3.9938%	-0.1668	-0.0578	-0.2246	-0.0090	-0.0135	0	0
13/08/2013	4.3722%	-0.1827	-0.0582	-0.2409	0.0135	0.0000	0	0
14/08/2013	3.6254%	-0.1519	-0.0575	-0.2094	0.0780	0.0690	0	0
15/08/2013	3.6664%	-0.1431	-0.0536	-0.1968	0.0365	0.0315	0	0
16/08/2013	3.1857%	-0.1213	-0.0518	-0.1731	0.0550	0.0505	0	0
19/08/2013	2.6656%	-0.0971	-0.0491	-0.1462	-0.0500	-0.0545	0	0
20/08/2013	1.8254%	-0.0710	-0.0516	-0.1225	0.0500	0.0315	0	0
21/08/2013	1.9372%	-0.0715	-0.0491	-0.1206	0.0000	-0.0045	0	0
22/08/2013	2.0675%	-0.0761	-0.0491	-0.1252	0.0000	-0.0045	0	0
23/08/2013	2.2184%	-0.0815	-0.0491	-0.1306	0.0000	-0.0045	0	0
26/08/2013	2.2453%	-0.0824	-0.0491	-0.1315	-0.0180	-0.0225	0	0
27/08/2013	2.2753%	-0.0850	-0.0500	-0.1350	-0.0185	-0.0230	0	0
28/08/2013	2.4212%	-0.0918	-0.0509	-0.1428	-0.0095	-0.0145	0	0
29/08/2013	2.6173%	-0.0998	-0.0514	-0.1512	-0.0045	-0.0090	0	0
02/09/2013	2.7867%	-0.1064	-0.0516	-0.1580	-0.0135	-0.0225	0	0
03/09/2013	2.9350%	-0.1132	-0.0523	-0.1655	-0.0185	-0.0230	0	0
04/09/2013	3.1090%	-0.1216	-0.0532	-0.1748	0.0185	0.0045	0	0
05/09/2013	2.2966%	-0.0897	-0.0523	-0.1420	-0.0595	-0.0640	0	0
06/09/2013	1.7699%	-0.0738	-0.0552	-0.1290	0.0415	0.0045	0	0
09/09/2013	1.8722%	-0.0750	-0.0532	-0.1281	0.0000	-0.0045	0	0

10/09/2013	1.9504%	-0.0780	-0.0532	-0.1312	-0.0095	-0.0140	0	0
11/09/2013	2.0741%	-0.0835	-0.0536	-0.1371	-0.0045	-0.0095	0	0
12/09/2013	1.9085%	-0.0774	-0.0539	-0.1312	-0.0275	-0.0370	0	0
13/09/2013	1.9558%	-0.0812	-0.0552	-0.1365	0.0135	0.0045	0	0
16/09/2013	2.0554%	-0.0842	-0.0546	-0.1387	-0.0090	-0.0135	0	0
17/09/2013	1.8974%	-0.0786	-0.0550	-0.1336	-0.0275	-0.0320	0	0
18/09/2013	1.9887%	-0.0842	-0.0564	-0.1406	-0.0090	-0.0140	0	0
19/09/2013	2.0963%	-0.0893	-0.0568	-0.1462	0.0090	-0.0050	0	0
20/09/2013	1.7242%	-0.0734	-0.0564	-0.1298	-0.0365	-0.0415	0	0
23/09/2013	1.6714%	-0.0735	-0.0582	-0.1317	-0.0185	-0.0230	0	0
24/09/2013	1.7218%	-0.0769	-0.0591	-0.1360	0.0090	0.0040	0	0
25/09/2013	1.7823%	-0.0789	-0.0587	-0.1376	-0.0090	-0.0230	0	0
26/09/2013	1.8868%	-0.0840	-0.0591	-0.1431	0.0000	-0.0050	0	0
27/09/2013	1.8807%	-0.0837	-0.0591	-0.1428	-0.0185	-0.0235	0	0
30/09/2013	1.9295%	-0.0871	-0.0600	-0.1472	0.0140	0.0095	0	0
01/10/2013	1.8564%	-0.0830	-0.0593	-0.1423	0.0230	-0.0045	0	0
02/10/2013	1.9421%	-0.0850	-0.0582	-0.1432	-0.0090	-0.0135	0	0
03/10/2013	2.0641%	-0.0908	-0.0586	-0.1495	-0.0050	-0.0095	0	0
04/10/2013	2.2077%	-0.0973	-0.0589	-0.1562	-0.0045	-0.0140	0	0
07/10/2013	2.1383%	-0.0947	-0.0591	-0.1538	-0.0275	-0.0325	0	0
09/10/2013	2.0489%	-0.0930	-0.0605	-0.1535	0.0275	0.0230	0	0
10/10/2013	2.0804%	-0.0923	-0.0591	-0.1514	-0.0185	-0.0235	0	0
11/10/2013	2.1688%	-0.0975	-0.0600	-0.1575	0.0140	0.0095	0	0
14/10/2013	2.3289%	-0.1032	-0.0593	-0.1625	0.0045	-0.0050	0	0
15/10/2013	2.2808%	-0.1007	-0.0591	-0.1599	0.0275	0.0225	0	0
16/10/2013	2.4576%	-0.1057	-0.0578	-0.1634	0.0045	-0.0280	0	0
17/10/2013	2.6604%	-0.1135	-0.0575	-0.1711	0.0045	-0.0135	0	0
18/10/2013	2.8447%	-0.1205	-0.0573	-0.1778	-0.0140	-0.0185	0	0
21/10/2013	2.5682%	-0.1107	-0.0580	-0.1687	-0.0455	-0.0730	0	0
22/10/2013	1.5826%	-0.0722	-0.0603	-0.1325	0.0595	-0.0045	0	0
23/10/2013	1.6127%	-0.0699	-0.0573	-0.1272	-0.0090	-0.0135	0	0
24/10/2013	1.6870%	-0.0736	-0.0578	-0.1314	0.0000	-0.0045	0	0
25/10/2013	1.7660%	-0.0770	-0.0578	-0.1347	-0.0045	-0.0090	0	0
28/10/2013	1.8339%	-0.0801	-0.0580	-0.1381	0.0090	0.0000	0	0
29/10/2013	1.9389%	-0.0839	-0.0575	-0.1414	0.0045	-0.0045	0	0
30/10/2013	2.0387%	-0.0877	-0.0573	-0.1450	-0.0090	-0.0135	0	0
31/10/2013	2.1779%	-0.0942	-0.0578	-0.1519	0.0045	0.0000	0	0
04/11/2013	2.2850%	-0.0982	-0.0575	-0.1557	-0.0135	-0.0225	0	0
05/11/2013	2.4435%	-0.1059	-0.0582	-0.1641	0.0090	0.0045	0	0
06/11/2013	2.3411%	-0.1009	-0.0578	-0.1587	-0.0320	-0.0365	0	0
07/11/2013	2.5272%	-0.1115	-0.0593	-0.1709	0.0045	-0.0050	0	0
08/11/2013	2.7214%	-0.1192	-0.0591	-0.1783	0.0095	-0.0045	0	0
11/11/2013	2.9619%	-0.1281	-0.0586	-0.1868	0.0045	0.0000	0	0
12/11/2013	3.1605%	-0.1357	-0.0584	-0.1941	-0.0185	-0.0275	0	0
13/11/2013	2.3252%	-0.1030	-0.0593	-0.1624	-0.0690	-0.0785	0	0
14/11/2013	1.8565%	-0.0878	-0.0628	-0.1506	0.0460	0.0325	0	0

15/11/2013	1.8490%	-0.0843	-0.0605	-0.1447	-0.0185	-0.0230	0	0
18/11/2013	1.8435%	-0.0853	-0.0614	-0.1467	-0.0185	-0.0235	0	0
19/11/2013	1.8467%	-0.0867	-0.0623	-0.1491	-0.0180	-0.0225	0	0
20/11/2013	1.9351%	-0.0920	-0.0632	-0.1552	0.0090	0.0045	0	0
21/11/2013	2.0393%	-0.0961	-0.0628	-0.1589	-0.0090	-0.0135	0	0
22/11/2013	1.9532%	-0.0929	-0.0632	-0.1561	0.0270	0.0225	0	0
25/11/2013	1.8410%	-0.0858	-0.0619	-0.1477	-0.0270	-0.0315	0	0
26/11/2013	1.9287%	-0.0917	-0.0632	-0.1550	-0.0090	-0.0135	0	0
27/11/2013	1.9532%	-0.0935	-0.0637	-0.1572	0.0180	0.0135	0	0
28/11/2013	2.0860%	-0.0982	-0.0628	-0.1610	0.0000	-0.0135	0	0
29/11/2013	2.2158%	-0.1041	-0.0628	-0.1668	0.0090	0.0045	0	0
02/12/2013	2.2987%	-0.1070	-0.0623	-0.1693	-0.0180	-0.0225	0	0
03/12/2013	2.2764%	-0.1075	-0.0632	-0.1708	-0.0280	-0.0325	0	0
04/12/2013	2.3649%	-0.1140	-0.0646	-0.1786	0.0190	0.0145	0	0
05/12/2013	2.5554%	-0.1209	-0.0637	-0.1846	0.0045	0.0000	0	0
06/12/2013	2.7734%	-0.1303	-0.0634	-0.1937	-0.0045	-0.0135	0	0
09/12/2013	3.0262%	-0.1419	-0.0637	-0.2056	0.0000	-0.0045	0	0
10/12/2013	2.4993%	-0.1184	-0.0637	-0.1821	0.0595	0.0550	0	0
11/12/2013	2.7088%	-0.1219	-0.0607	-0.1826	-0.0045	-0.0135	0	0
12/12/2013	2.9091%	-0.1309	-0.0609	-0.1918	0.0135	0.0090	0	0
13/12/2013	3.1016%	-0.1375	-0.0603	-0.1978	0.0185	0.0095	0	0
16/12/2013	3.3929%	-0.1473	-0.0593	-0.2066	-0.0050	-0.0145	0	0
17/12/2013	3.5675%	-0.1550	-0.0596	-0.2146	0.0280	0.0235	0	0
18/12/2013	2.0587%	-0.0899	-0.0582	-0.1481	0.0825	0.0780	0	0
19/12/2013	2.1722%	-0.0880	-0.0541	-0.1421	-0.0095	-0.0235	0	0
20/12/2013	2.2643%	-0.0923	-0.0546	-0.1469	0.0140	0.0095	0	0
23/12/2013	2.2397%	-0.0902	-0.0539	-0.1441	0.0230	0.0135	0	0
24/12/2013	1.8394%	-0.0731	-0.0527	-0.1258	-0.0370	-0.0415	0	0
26/12/2013	1.9445%	-0.0798	-0.0546	-0.1344	0.0045	0.0000	0	0
27/12/2013	2.0455%	-0.0834	-0.0543	-0.1378	-0.0085	-0.0175	0	0
30/12/2013	1.9797%	-0.0815	-0.0548	-0.1362	0.0225	-0.0050	0	0
31/12/2013	2.0331%	-0.0819	-0.0536	-0.1355	-0.0140	-0.0190	0	0
02/01/2014	2.1705%	-0.0883	-0.0543	-0.1427	-0.0045	-0.0135	0	0
03/01/2014	2.3297%	-0.0949	-0.0546	-0.1495	0.0045	0.0000	0	0
06/01/2014	2.5130%	-0.1016	-0.0543	-0.1559	-0.0045	-0.0135	0	0
07/01/2014	2.7297%	-0.1103	-0.0546	-0.1649	0.0000	-0.0045	0	0
08/01/2014	2.4595%	-0.0999	-0.0546	-0.1545	-0.0410	-0.0455	0	0
09/01/2014	2.0763%	-0.0882	-0.0566	-0.1448	0.0410	0.0045	0	0
10/01/2014	2.2207%	-0.0906	-0.0546	-0.1452	-0.0045	-0.0090	0	0
13/01/2014	2.3654%	-0.0967	-0.0548	-0.1515	0.0090	0.0000	0	0
14/01/2014	2.5540%	-0.1032	-0.0543	-0.1575	0.0045	-0.0045	0	0
15/01/2014	2.7509%	-0.1102	-0.0541	-0.1644	-0.0090	-0.0135	0	0
16/01/2014	2.2744%	-0.0927	-0.0546	-0.1473	0.0460	0.0415	0	0
17/01/2014	2.4566%	-0.0956	-0.0523	-0.1479	0.0000	-0.0045	0	0
20/01/2014	2.6653%	-0.1033	-0.0523	-0.1556	0.0000	-0.0045	0	0
21/01/2014	2.7917%	-0.1080	-0.0523	-0.1603	-0.0185	-0.0230	0	0

22/01/2014	2.9446%	-0.1156	-0.0532	-0.1688	-0.0185	-0.0325	0	0
23/01/2014	2.9355%	-0.1172	-0.0541	-0.1713	-0.0320	-0.0365	0	0
24/01/2014	3.2037%	-0.1310	-0.0557	-0.1867	0.0050	-0.0225	0	0
27/01/2014	3.3877%	-0.1375	-0.0555	-0.1929	-0.0230	-0.0275	0	0
28/01/2014	3.6028%	-0.1486	-0.0566	-0.2052	0.0230	0.0135	0	0
29/01/2014	3.8528%	-0.1550	-0.0555	-0.2104	-0.0230	-0.0275	0	0
30/01/2014	3.9176%	-0.1606	-0.0566	-0.2172	-0.0415	-0.0510	0	0
31/01/2014	2.7700%	-0.1203	-0.0587	-0.1790	0.0825	0.0685	0	0
03/02/2014	2.9295%	-0.1180	-0.0546	-0.1725	-0.0180	-0.0315	0	0
04/02/2014	3.1139%	-0.1270	-0.0555	-0.1825	-0.0185	-0.0230	0	0
05/02/2014	3.3311%	-0.1375	-0.0564	-0.1939	-0.0185	-0.0235	0	0
06/02/2014	3.4368%	-0.1439	-0.0573	-0.2012	-0.0320	-0.0365	0	0
07/02/2014	3.7377%	-0.1600	-0.0589	-0.2189	0.0140	0.0045	0	0
10/02/2014	3.3063%	-0.1410	-0.0582	-0.1992	-0.0645	-0.0780	0	0
11/02/2014	3.5655%	-0.1596	-0.0614	-0.2210	-0.0185	-0.0235	0	0
12/02/2014	3.9187%	-0.1769	-0.0623	-0.2392	-0.0045	-0.0090	0	0
13/02/2014	4.2916%	-0.1931	-0.0626	-0.2556	0.0135	0.0045	0	0
14/02/2014	4.7105%	-0.2080	-0.0619	-0.2699	0.0140	0.0095	0	0
17/02/2014	5.1369%	-0.2225	-0.0612	-0.2836	0.0230	0.0135	0	0
18/02/2014	5.5059%	-0.2324	-0.0600	-0.2924	0.0370	0.0325	0	0
19/02/2014	4.7848%	-0.1984	-0.0582	-0.2566	-0.1010	-0.1055	0	0
20/02/2014	4.5501%	-0.2059	-0.0632	-0.2691	0.0730	0.0685	0	0
21/02/2014	3.0160%	-0.1324	-0.0596	-0.1920	0.1010	0.0965	0	0
24/02/2014	3.2802%	-0.1312	-0.0546	-0.1858	-0.0090	-0.0135	0	0
25/02/2014	2.8986%	-0.1178	-0.0550	-0.1728	0.0505	0.0460	0	0
26/02/2014	3.1624%	-0.1220	-0.0525	-0.1745	-0.0045	-0.0135	0	0
27/02/2014	2.7384%	-0.1069	-0.0527	-0.1597	-0.0505	-0.0640	0	0
28/02/2014	2.9636%	-0.1207	-0.0552	-0.1760	-0.0090	-0.0180	0	0
03/03/2014	3.2190%	-0.1316	-0.0557	-0.1872	-0.0095	-0.0185	0	0
04/03/2014	3.2920%	-0.1355	-0.0562	-0.1917	-0.0320	-0.0415	0	0
05/03/2014	3.5407%	-0.1492	-0.0578	-0.2069	-0.0185	-0.0320	0	0
06/03/2014	3.8787%	-0.1649	-0.0587	-0.2236	-0.0090	-0.0320	0	0
07/03/2014	3.8287%	-0.1642	-0.0591	-0.2233	-0.0505	-0.0645	0	0
10/03/2014	4.0839%	-0.1817	-0.0616	-0.2434	-0.0290	-0.0335	0	0
11/03/2014	4.3798%	-0.1983	-0.0631	-0.2614	0.0290	0.0205	0	0
12/03/2014	4.7474%	-0.2086	-0.0616	-0.2703	0.0250	0.0125	0	0
13/03/2014	5.2480%	-0.2238	-0.0604	-0.2842	-0.0040	-0.0085	0	0
14/03/2014	5.6739%	-0.2409	-0.0606	-0.3015	0.0330	0.0245	0	0
17/03/2014	4.6020%	-0.1939	-0.0589	-0.2529	-0.1165	-0.1330	0	0
18/03/2014	5.0537%	-0.2319	-0.0647	-0.2967	0.0165	-0.0085	0	0
19/03/2014	3.9288%	-0.1819	-0.0639	-0.2458	-0.1170	-0.1255	0	0
20/03/2014	4.2208%	-0.2120	-0.0697	-0.2817	0.0295	0.0210	0	0
21/03/2014	4.2130%	-0.2072	-0.0683	-0.2754	0.0585	0.0545	0	0
24/03/2014	3.7970%	-0.1802	-0.0654	-0.2455	0.0750	0.0705	0	0
25/03/2014	4.1712%	-0.1853	-0.0616	-0.2469	-0.0085	-0.0210	0	0
26/03/2014	2.9835%	-0.1365	-0.0621	-0.1985	-0.0995	-0.1035	0	0

27/03/2014	3.0656%	-0.1512	-0.0670	-0.2182	-0.0335	-0.0460	0	0
28/03/2014	3.3542%	-0.1686	-0.0687	-0.2373	-0.0045	-0.0085	0	0
31/03/2014	3.4758%	-0.1749	-0.0689	-0.2438	-0.0375	-0.0630	0	0
01/04/2014	3.3481%	-0.1735	-0.0708	-0.2442	-0.0585	-0.0625	0	0
02/04/2014	3.6686%	-0.1967	-0.0737	-0.2704	0.0080	0.0035	0	0
03/04/2014	2.8410%	-0.1539	-0.0733	-0.2272	-0.0955	-0.1080	0	0
04/04/2014	2.7965%	-0.1614	-0.0780	-0.2395	0.0455	0.0285	0	0
07/04/2014	2.7944%	-0.1567	-0.0758	-0.2324	-0.0415	-0.0540	0	0
08/04/2014	2.7546%	-0.1587	-0.0778	-0.2366	-0.0455	-0.0665	0	0
09/04/2014	2.8538%	-0.1689	-0.0801	-0.2490	-0.0335	-0.0420	0	0
10/04/2014	2.8511%	-0.1723	-0.0818	-0.2540	-0.0460	-0.0540	0	0
11/04/2014	3.0086%	-0.1863	-0.0841	-0.2704	0.0295	0.0255	0	0
14/04/2014	3.0889%	-0.1877	-0.0826	-0.2703	-0.0420	-0.0505	0	0
15/04/2014	3.2884%	-0.2041	-0.0847	-0.2888	0.0295	0.0210	0	0
16/04/2014	1.6870%	-0.1061	-0.0832	-0.1893	-0.1210	-0.1250	1	0
21/04/2014	1.6933%	-0.1142	-0.0892	-0.2034	-0.0210	-0.0290	0	0
22/04/2014	1.7694%	-0.1205	-0.0903	-0.2108	-0.0085	-0.0125	0	0
23/04/2014	1.8259%	-0.1248	-0.0907	-0.2155	-0.0165	-0.0210	0	0
24/04/2014	1.8342%	-0.1265	-0.0915	-0.2180	0.0250	0.0210	0	0
25/04/2014	1.7590%	-0.1198	-0.0903	-0.2101	-0.0335	-0.0465	0	0
28/04/2014	1.8118%	-0.1256	-0.0919	-0.2175	-0.0170	-0.0295	0	0
29/04/2014	1.9086%	-0.1333	-0.0928	-0.2261	0.0090	-0.0035	0	0
30/04/2014	2.0091%	-0.1393	-0.0923	-0.2317	-0.0130	-0.0255	0	0
02/05/2014	2.0923%	-0.1459	-0.0930	-0.2389	-0.0205	-0.0370	0	0
05/05/2014	2.2110%	-0.1555	-0.0940	-0.2495	0.0165	0.0125	0	0
06/05/2014	2.3748%	-0.1650	-0.0932	-0.2582	0.0085	-0.0210	0	0
07/05/2014	2.5698%	-0.1771	-0.0928	-0.2699	0.0040	0.0000	0	0
08/05/2014	2.3518%	-0.1624	-0.0926	-0.2550	-0.0625	-0.0705	0	0
09/05/2014	2.4761%	-0.1763	-0.0957	-0.2720	-0.0250	-0.0455	0	0
12/05/2014	2.6598%	-0.1912	-0.0969	-0.2881	-0.0165	-0.0210	0	0
13/05/2014	2.7600%	-0.1997	-0.0977	-0.2975	0.0375	0.0335	0	0
14/05/2014	2.6832%	-0.1907	-0.0959	-0.2866	-0.0585	-0.0670	0	0
15/05/2014	2.9237%	-0.2132	-0.0988	-0.3119	0.0000	-0.0250	0	0
16/05/2014	2.5234%	-0.1854	-0.0988	-0.2842	0.0835	0.0505	0	0
19/05/2014	2.0343%	-0.1445	-0.0946	-0.2391	0.0750	0.0585	0	0
20/05/2014	2.1696%	-0.1477	-0.0909	-0.2386	0.0085	0.0000	0	0
21/05/2014	1.7427%	-0.1190	-0.0905	-0.2095	-0.0630	-0.0880	0	0
22/05/2014	1.7725%	-0.1252	-0.0936	-0.2188	-0.0205	-0.0245	0	0
23/05/2014	1.7753%	-0.1267	-0.0946	-0.2214	0.0250	0.0085	0	0
26/05/2014	1.8085%	-0.1273	-0.0934	-0.2207	-0.0210	-0.0295	0	0
27/05/2014	1.8504%	-0.1316	-0.0944	-0.2261	-0.0210	-0.0255	0	0
28/05/2014	1.9635%	-0.1409	-0.0955	-0.2364	0.0045	-0.0040	0	0
29/05/2014	1.9017%	-0.1363	-0.0952	-0.2316	-0.0375	-0.0415	0	0
30/05/2014	1.7243%	-0.1265	-0.0971	-0.2236	-0.0460	-0.0625	0	0
02/06/2014	1.7795%	-0.1334	-0.0994	-0.2328	-0.0165	-0.0210	0	0
03/06/2014	1.6371%	-0.1241	-0.1002	-0.2243	-0.0415	-0.0455	0	0

04/06/2014	1.7130%	-0.1324	-0.1023	-0.2346	-0.0045	-0.0170	0	0
05/06/2014	1.7842%	-0.1380	-0.1025	-0.2405	-0.0125	-0.0295	0	0
06/06/2014	1.8689%	-0.1452	-0.1031	-0.2483	-0.0125	-0.0170	0	0
09/06/2014	1.9121%	-0.1493	-0.1038	-0.2530	-0.0250	-0.0330	0	0
10/06/2014	2.0364%	-0.1605	-0.1050	-0.2655	-0.0040	-0.0120	0	0
11/06/2014	2.0608%	-0.1627	-0.1052	-0.2679	0.0330	0.0290	0	0
12/06/2014	2.1810%	-0.1691	-0.1036	-0.2726	-0.0165	-0.0205	0	0
13/06/2014	1.5299%	-0.1210	-0.1044	-0.2254	-0.0835	-0.0960	0	0
16/06/2014	1.5508%	-0.1275	-0.1085	-0.2361	-0.0165	-0.0205	0	0
17/06/2014	1.6038%	-0.1328	-0.1094	-0.2421	-0.0085	-0.0130	0	0
18/06/2014	1.6416%	-0.1363	-0.1098	-0.2461	-0.0165	-0.0205	0	0
19/06/2014	1.6658%	-0.1393	-0.1106	-0.2499	0.0210	0.0085	0	0
20/06/2014	1.6969%	-0.1405	-0.1096	-0.2500	0.0205	0.0120	0	0
23/06/2014	1.7530%	-0.1436	-0.1085	-0.2521	-0.0165	-0.0205	0	0
24/06/2014	1.6788%	-0.1388	-0.1094	-0.2481	-0.0380	-0.0425	0	0
25/06/2014	1.7466%	-0.1467	-0.1112	-0.2579	0.0125	-0.0040	0	0
26/06/2014	1.8270%	-0.1523	-0.1106	-0.2630	-0.0125	-0.0165	0	0
27/06/2014	1.9222%	-0.1609	-0.1112	-0.2721	0.0125	0.0040	0	0
30/06/2014	1.9811%	-0.1647	-0.1106	-0.2753	0.0255	0.0215	0	0
01/07/2014	1.8852%	-0.1552	-0.1094	-0.2646	0.0460	0.0415	0	0
02/07/2014	1.5816%	-0.1282	-0.1071	-0.2353	-0.0590	-0.0755	0	0
03/07/2014	1.5319%	-0.1277	-0.1100	-0.2377	0.0295	-0.0040	0	0
04/07/2014	1.4305%	-0.1179	-0.1085	-0.2265	-0.0335	-0.0375	0	0
07/07/2014	1.4296%	-0.1197	-0.1102	-0.2299	-0.0165	-0.0210	0	0
08/07/2014	1.4653%	-0.1235	-0.1110	-0.2345	-0.0045	-0.0085	0	0
09/07/2014	1.5090%	-0.1273	-0.1112	-0.2385	-0.0040	-0.0125	0	0
10/07/2014	1.5539%	-0.1312	-0.1114	-0.2427	-0.0085	-0.0130	0	0
11/07/2014	1.5363%	-0.1303	-0.1119	-0.2421	-0.0250	-0.0460	0	0
14/07/2014	1.5871%	-0.1359	-0.1131	-0.2490	0.0085	0.0045	0	0
15/07/2014	1.6210%	-0.1382	-0.1127	-0.2509	-0.0170	-0.0215	0	0
16/07/2014	1.6894%	-0.1450	-0.1135	-0.2585	-0.0080	-0.0205	0	0
17/07/2014	1.7472%	-0.1503	-0.1139	-0.2642	-0.0165	-0.0210	0	0
18/07/2014	1.8379%	-0.1589	-0.1148	-0.2737	-0.0085	-0.0125	0	0
21/07/2014	1.6778%	-0.1461	-0.1152	-0.2612	0.0500	0.0455	0	0
22/07/2014	1.5906%	-0.1357	-0.1127	-0.2484	0.0375	0.0330	0	0
23/07/2014	1.6035%	-0.1345	-0.1108	-0.2453	0.0210	0.0130	0	0
24/07/2014	1.6668%	-0.1383	-0.1098	-0.2481	0.0085	0.0045	0	0
25/07/2014	1.7422%	-0.1438	-0.1094	-0.2532	-0.0085	-0.0130	0	0
30/07/2014	1.8313%	-0.1515	-0.1098	-0.2613	0.0085	0.0045	0	0
31/07/2014	1.7781%	-0.1467	-0.1094	-0.2560	0.0375	0.0330	0	0
01/08/2014	1.8282%	-0.1481	-0.1075	-0.2556	0.0210	0.0130	0	0
04/08/2014	1.4796%	-0.1195	-0.1064	-0.2259	0.0580	0.0370	0	0
05/08/2014	1.5284%	-0.1200	-0.1036	-0.2235	0.0000	-0.0210	0	0
06/08/2014	1.5223%	-0.1195	-0.1036	-0.2231	-0.0205	-0.0245	0	0
07/08/2014	1.4819%	-0.1176	-0.1046	-0.2222	0.0250	0.0085	0	0
08/08/2014	1.5279%	-0.1197	-0.1033	-0.2230	-0.0045	-0.0130	0	0

11/08/2014	1.5765%	-0.1236	-0.1036	-0.2272	-0.0080	-0.0120	0	0
12/08/2014	1.6037%	-0.1262	-0.1040	-0.2302	0.0165	0.0125	0	0
13/08/2014	1.6362%	-0.1277	-0.1031	-0.2308	0.0165	0.0120	0	0
14/08/2014	1.7148%	-0.1325	-0.1023	-0.2348	0.0005	-0.0035	0	0
15/08/2014	1.7845%	-0.1377	-0.1023	-0.2400	-0.0130	-0.0255	0	0
18/08/2014	1.8811%	-0.1458	-0.1029	-0.2487	-0.0080	-0.0165	0	0
19/08/2014	1.9998%	-0.1552	-0.1033	-0.2586	-0.0045	-0.0130	0	0
20/08/2014	2.1401%	-0.1660	-0.1036	-0.2696	0.0000	-0.0040	0	0
21/08/2014	2.2955%	-0.1776	-0.1036	-0.2811	-0.0080	-0.0120	0	0
22/08/2014	2.4789%	-0.1918	-0.1040	-0.2958	-0.0045	-0.0085	0	0
25/08/2014	2.6770%	-0.2068	-0.1042	-0.3110	-0.0125	-0.0210	0	0
26/08/2014	2.8060%	-0.2175	-0.1048	-0.3223	-0.0370	-0.0410	0	0
27/08/2014	3.0621%	-0.2404	-0.1066	-0.3470	0.0040	-0.0210	0	0
28/08/2014	3.0275%	-0.2374	-0.1064	-0.3438	0.0665	0.0625	0	0
29/08/2014	3.2678%	-0.2471	-0.1031	-0.3503	0.0250	0.0125	0	0
01/09/2014	3.5672%	-0.2650	-0.1019	-0.3669	0.0165	0.0120	0	0
02/09/2014	3.8137%	-0.2797	-0.1011	-0.3808	-0.0415	-0.0455	0	0
03/09/2014	3.5430%	-0.2665	-0.1031	-0.3697	0.1000	0.0955	0	0
04/09/2014	3.8779%	-0.2759	-0.0982	-0.3741	0.0165	0.0120	0	0
05/09/2014	3.7811%	-0.2672	-0.0973	-0.3646	0.0835	0.0795	0	0
08/09/2014	4.0372%	-0.2718	-0.0932	-0.3650	0.0415	0.0290	0	0
09/09/2014	4.4516%	-0.2908	-0.0911	-0.3819	0.0045	0.0005	0	0
10/09/2014	4.8906%	-0.3161	-0.0909	-0.4070	-0.0210	-0.0295	0	0
11/09/2014	5.3855%	-0.3488	-0.0919	-0.4408	0.0210	0.0165	0	0
12/09/2014	5.9415%	-0.3765	-0.0909	-0.4674	0.0210	0.0125	0	0
15/09/2014	2.4585%	-0.1645	-0.0898	-0.2543	-0.2585	-0.2630	1	1
16/09/2014	2.0427%	-0.1575	-0.1027	-0.2602	-0.0790	-0.1000	0	0
17/09/2014	2.1897%	-0.1748	-0.1066	-0.2814	-0.0005	-0.0255	0	0
18/09/2014	2.3578%	-0.1876	-0.1067	-0.2943	0.0040	-0.0045	0	0
19/09/2014	2.4987%	-0.1980	-0.1065	-0.3044	-0.0245	-0.0370	0	0
22/09/2014	2.3087%	-0.1857	-0.1077	-0.2934	0.0665	0.0625	0	0
23/09/2014	2.4367%	-0.1895	-0.1044	-0.2939	-0.0250	-0.0295	0	0
24/09/2014	2.3326%	-0.1839	-0.1056	-0.2895	-0.0585	-0.0630	0	0
25/09/2014	2.5220%	-0.2036	-0.1085	-0.3121	0.0040	-0.0250	0	0
26/09/2014	2.5216%	-0.2032	-0.1083	-0.3115	0.0505	0.0255	0	0
29/09/2014	1.8431%	-0.1470	-0.1058	-0.2528	-0.0965	-0.1130	0	0
30/09/2014	1.9579%	-0.1628	-0.1106	-0.2735	0.0005	-0.0035	0	0
01/10/2014	2.0460%	-0.1698	-0.1106	-0.2804	0.0210	0.0085	0	0
02/10/2014	2.1873%	-0.1794	-0.1096	-0.2889	0.0080	-0.0005	0	0
03/10/2014	2.3550%	-0.1918	-0.1092	-0.3010	-0.0040	-0.0125	0	0
06/10/2014	2.1980%	-0.1799	-0.1094	-0.2892	-0.0630	-0.0755	0	0
07/10/2014	1.4284%	-0.1220	-0.1125	-0.2345	-0.0955	-0.1040	0	0
09/10/2014	1.4641%	-0.1303	-0.1172	-0.2475	-0.0045	-0.0085	0	0
10/10/2014	1.5018%	-0.1338	-0.1175	-0.2513	-0.0080	-0.0245	0	0
13/10/2014	1.5363%	-0.1372	-0.1179	-0.2551	-0.0125	-0.0210	0	0
14/10/2014	1.5643%	-0.1404	-0.1185	-0.2589	0.0165	-0.0045	0	0

15/10/2014	1.5979%	-0.1423	-0.1177	-0.2600	0.0165	-0.0040	0	0
16/10/2014	1.6694%	-0.1475	-0.1168	-0.2643	0.0005	-0.0035	0	0
17/10/2014	1.5560%	-0.1377	-0.1168	-0.2545	-0.0420	-0.0795	0	0
20/10/2014	1.5468%	-0.1394	-0.1189	-0.2583	0.0250	0.0125	0	0
21/10/2014	1.4790%	-0.1320	-0.1177	-0.2497	-0.0330	-0.0375	0	0
22/10/2014	1.4931%	-0.1351	-0.1193	-0.2544	-0.0170	-0.0295	0	0
23/10/2014	1.5446%	-0.1406	-0.1202	-0.2608	0.0000	-0.0295	0	0
24/10/2014	1.6061%	-0.1461	-0.1202	-0.2662	0.0000	-0.0045	0	0
27/10/2014	1.6626%	-0.1510	-0.1202	-0.2712	-0.0125	-0.0420	0	0
28/10/2014	1.7460%	-0.1592	-0.1208	-0.2800	0.0000	-0.0080	0	0
29/10/2014	1.7577%	-0.1602	-0.1208	-0.2810	0.0295	0.0215	0	0
30/10/2014	1.6802%	-0.1515	-0.1193	-0.2708	-0.0420	-0.0545	0	0
31/10/2014	1.7513%	-0.1605	-0.1214	-0.2819	-0.0125	-0.0170	0	0
03/11/2014	1.7680%	-0.1628	-0.1220	-0.2848	-0.0295	-0.0375	0	0
04/11/2014	1.8096%	-0.1685	-0.1235	-0.2920	0.0255	0.0130	0	0
05/11/2014	1.9170%	-0.1763	-0.1222	-0.2985	-0.0045	-0.0085	0	0
06/11/2014	2.0439%	-0.1878	-0.1224	-0.3103	0.0000	-0.0165	0	0
07/11/2014	2.1050%	-0.1932	-0.1224	-0.3157	-0.0330	-0.0415	0	0
10/11/2014	2.1019%	-0.1956	-0.1241	-0.3196	-0.0460	-0.0795	0	0
11/11/2014	1.8995%	-0.1807	-0.1264	-0.3071	0.0670	0.0625	0	0
12/11/2014	2.0004%	-0.1849	-0.1230	-0.3079	0.0165	0.0040	0	0
13/11/2014	1.9943%	-0.1831	-0.1222	-0.3053	0.0415	0.0375	0	0
14/11/2014	1.9775%	-0.1786	-0.1202	-0.2987	0.0420	0.0375	0	0
17/11/2014	2.1128%	-0.1870	-0.1181	-0.3050	0.0040	-0.0085	0	0
18/11/2014	1.8613%	-0.1652	-0.1179	-0.2831	0.0665	0.0500	0	0
19/11/2014	1.9365%	-0.1669	-0.1146	-0.2814	0.0205	0.0125	0	0
20/11/2014	2.0587%	-0.1754	-0.1135	-0.2889	0.0090	-0.0035	0	0
21/11/2014	2.1819%	-0.1847	-0.1131	-0.2978	-0.0170	-0.0295	0	0
24/11/2014	2.2974%	-0.1955	-0.1139	-0.3094	-0.0250	-0.0375	0	0
25/11/2014	2.4330%	-0.2088	-0.1152	-0.3239	0.0250	0.0205	0	0
26/11/2014	2.6367%	-0.2229	-0.1139	-0.3369	-0.0045	-0.0090	0	0
27/11/2014	2.8664%	-0.2418	-0.1142	-0.3559	-0.0080	-0.0330	0	0
28/11/2014	3.1042%	-0.2616	-0.1146	-0.3761	-0.0210	-0.0290	0	0
01/12/2014	3.3972%	-0.2873	-0.1156	-0.4029	0.0085	0.0045	0	0
02/12/2014	3.0202%	-0.2563	-0.1152	-0.3715	0.1085	0.1040	0	0
03/12/2014	1.3801%	-0.1152	-0.1098	-0.2250	-0.1500	-0.2710	1	1
04/12/2014	1.4082%	-0.1254	-0.1172	-0.2427	0.0000	-0.0040	0	0
05/12/2014	1.4044%	-0.1251	-0.1172	-0.2424	-0.0170	-0.0210	0	0
09/12/2014	1.3997%	-0.1256	-0.1181	-0.2437	0.0170	0.0130	0	0
10/12/2014	1.4299%	-0.1273	-0.1172	-0.2446	0.0040	0.0000	0	0
11/12/2014	1.4685%	-0.1304	-0.1170	-0.2475	0.0000	-0.0080	0	0
12/12/2014	1.4955%	-0.1328	-0.1170	-0.2498	-0.0125	-0.0205	0	0
15/12/2014	1.5284%	-0.1363	-0.1177	-0.2540	0.0125	0.0080	0	0
16/12/2014	1.5868%	-0.1406	-0.1170	-0.2577	0.0000	-0.0080	0	0
17/12/2014	1.6385%	-0.1451	-0.1170	-0.2621	-0.0125	-0.0205	0	0
18/12/2014	1.7007%	-0.1512	-0.1177	-0.2689	-0.0125	-0.0170	0	0

19/12/2014	1.7629%	-0.1574	-0.1183	-0.2757	-0.0165	-0.0245	0	0
22/12/2014	1.8371%	-0.1649	-0.1191	-0.2840	0.0165	0.0080	0	0
23/12/2014	1.9440%	-0.1729	-0.1183	-0.2912	0.0085	0.0005	0	0
24/12/2014	1.9138%	-0.1697	-0.1179	-0.2876	-0.0420	-0.0585	0	0
26/12/2014	1.9404%	-0.1751	-0.1200	-0.2950	-0.0335	-0.0420	0	0
29/12/2014	2.0701%	-0.1889	-0.1216	-0.3105	-0.0035	-0.0285	0	0
30/12/2014	2.0115%	-0.1840	-0.1218	-0.3058	0.0500	0.0375	0	0
31/12/2014	1.7986%	-0.1618	-0.1193	-0.2811	-0.0630	-0.0755	0	0
05/01/2015	1.6593%	-0.1536	-0.1224	-0.2761	0.0500	0.0165	0	0
06/01/2015	1.4683%	-0.1337	-0.1200	-0.2536	-0.0500	-0.0585	0	0
07/01/2015	1.4666%	-0.1363	-0.1224	-0.2587	-0.0205	-0.0290	0	0
08/01/2015	1.4166%	-0.1329	-0.1235	-0.2563	-0.0290	-0.0330	0	0
09/01/2015	1.4345%	-0.1361	-0.1249	-0.2610	0.0125	-0.0125	0	0
12/01/2015	1.4740%	-0.1390	-0.1243	-0.2633	-0.0005	-0.0130	0	0
13/01/2015	1.5217%	-0.1434	-0.1243	-0.2677	0.0000	-0.0040	0	0
14/01/2015	1.5766%	-0.1484	-0.1243	-0.2727	0.0045	0.0005	0	0
15/01/2015	1.5785%	-0.1483	-0.1241	-0.2724	0.0250	0.0165	0	0
16/01/2015	1.5545%	-0.1447	-0.1228	-0.2675	-0.0295	-0.0380	0	0
19/01/2015	1.6158%	-0.1520	-0.1243	-0.2763	0.0045	0.0005	0	0
20/01/2015	1.4702%	-0.1385	-0.1241	-0.2625	-0.0460	-0.0545	0	0
21/01/2015	1.5103%	-0.1447	-0.1264	-0.2711	-0.0080	-0.0205	0	0
22/01/2015	1.5502%	-0.1489	-0.1268	-0.2757	0.0120	-0.0005	0	0
23/01/2015	1.5971%	-0.1526	-0.1262	-0.2787	-0.0125	-0.0210	0	0
26/01/2015	1.6616%	-0.1593	-0.1268	-0.2861	-0.0085	-0.0125	0	0
27/01/2015	1.7390%	-0.1670	-0.1272	-0.2943	-0.0080	-0.0205	0	0
28/01/2015	1.3817%	-0.1340	-0.1276	-0.2617	0.0670	0.0625	0	0
29/01/2015	1.4016%	-0.1324	-0.1243	-0.2567	-0.0085	-0.0210	0	0
30/01/2015	1.4260%	-0.1351	-0.1247	-0.2598	-0.0085	-0.0125	0	0
02/02/2015	1.4326%	-0.1361	-0.1251	-0.2613	0.0165	0.0120	0	0
03/02/2015	1.4695%	-0.1386	-0.1243	-0.2629	0.0045	0.0005	0	0
04/02/2015	1.4670%	-0.1382	-0.1241	-0.2622	-0.0210	-0.0295	0	0
05/02/2015	1.5063%	-0.1429	-0.1251	-0.2681	-0.0080	-0.0285	0	0
06/02/2015	1.5536%	-0.1478	-0.1255	-0.2733	0.0080	-0.0045	0	0
09/02/2015	1.6152%	-0.1530	-0.1251	-0.2781	0.0040	-0.0085	0	0
10/02/2015	1.6014%	-0.1515	-0.1249	-0.2764	0.0295	0.0210	0	0
11/02/2015	1.6444%	-0.1536	-0.1235	-0.2770	-0.0170	-0.0460	0	0
12/02/2015	1.6597%	-0.1560	-0.1243	-0.2803	0.0255	0.0215	0	0
13/02/2015	1.6563%	-0.1541	-0.1230	-0.2771	-0.0295	-0.0420	0	0
16/02/2015	1.7316%	-0.1628	-0.1245	-0.2873	0.0085	0.0005	0	0
17/02/2015	1.7868%	-0.1672	-0.1241	-0.2913	-0.0210	-0.0295	0	0
18/02/2015	1.8921%	-0.1782	-0.1251	-0.3034	0.0000	-0.0045	0	0
19/02/2015	1.9910%	-0.1872	-0.1251	-0.3123	0.0170	0.0045	0	0
20/02/2015	1.9237%	-0.1799	-0.1243	-0.3042	0.0495	0.0370	0	0
23/02/2015	1.9986%	-0.1829	-0.1218	-0.3047	-0.0250	-0.0290	0	0
24/02/2015	2.1170%	-0.1953	-0.1231	-0.3183	-0.0165	-0.0205	0	0
25/02/2015	1.8277%	-0.1707	-0.1239	-0.2945	-0.0750	-0.0795	0	0

26/02/2015	1.8876%	-0.1814	-0.1276	-0.3090	0.0250	0.0205	0	0
27/02/2015	1.9972%	-0.1896	-0.1264	-0.3160	-0.0125	-0.0170	0	0
02/03/2015	1.7048%	-0.1636	-0.1270	-0.2906	0.0710	0.0630	0	0
03/03/2015	1.7698%	-0.1649	-0.1235	-0.2883	0.0165	0.0125	0	0
04/03/2015	1.8707%	-0.1728	-0.1226	-0.2954	-0.0040	-0.0085	0	0
05/03/2015	1.9652%	-0.1815	-0.1228	-0.3043	-0.0170	-0.0255	0	0
06/03/2015	2.0949%	-0.1943	-0.1237	-0.3180	-0.0080	-0.0245	0	0
09/03/2015	2.0894%	-0.1944	-0.1241	-0.3185	-0.0460	-0.0545	0	0
10/03/2015	2.2114%	-0.2091	-0.1264	-0.3355	0.0210	0.0165	0	0
11/03/2015	2.3539%	-0.2201	-0.1253	-0.3455	-0.0210	-0.0375	0	0
12/03/2015	2.5379%	-0.2385	-0.1264	-0.3648	-0.0125	-0.0170	0	0
13/03/2015	1.9992%	-0.1907	-0.1270	-0.3177	0.1040	0.0960	0	0
16/03/2015	1.9969%	-0.1828	-0.1218	-0.3046	-0.0415	-0.0455	0	0
17/03/2015	1.9662%	-0.1831	-0.1239	-0.3070	-0.0460	-0.0505	0	0
18/03/2015	1.7882%	-0.1702	-0.1262	-0.2964	-0.0620	-0.0705	0	0
19/03/2015	1.8415%	-0.1794	-0.1293	-0.3086	0.0250	0.0125	0	0
20/03/2015	1.9338%	-0.1862	-0.1280	-0.3142	0.0165	0.0040	0	0
23/03/2015	1.7860%	-0.1714	-0.1272	-0.2986	-0.0585	-0.0625	0	0
24/03/2015	1.8405%	-0.1804	-0.1301	-0.3105	-0.0250	-0.0375	0	0
25/03/2015	1.5695%	-0.1562	-0.1314	-0.2875	0.0665	0.0370	0	0
26/03/2015	1.4635%	-0.1422	-0.1280	-0.2703	-0.0415	-0.0455	0	0
27/03/2015	1.3924%	-0.1377	-0.1301	-0.2678	-0.0335	-0.0380	0	0
30/03/2015	1.4157%	-0.1417	-0.1318	-0.2735	-0.0085	-0.0125	0	0
31/03/2015	1.4214%	-0.1427	-0.1322	-0.2749	0.0170	0.0125	0	0
01/04/2015	1.3906%	-0.1388	-0.1314	-0.2702	-0.0255	-0.0380	0	0
06/04/2015	1.4207%	-0.1431	-0.1326	-0.2757	-0.0015	-0.0055	0	0
07/04/2015	1.4562%	-0.1467	-0.1327	-0.2794	-0.0035	-0.0150	0	0
08/04/2015	1.4649%	-0.1477	-0.1329	-0.2806	-0.0190	-0.0270	0	0
09/04/2015	1.4889%	-0.1511	-0.1338	-0.2850	0.0150	0.0110	0	0
10/04/2015	1.5395%	-0.1553	-0.1331	-0.2883	0.0000	-0.0040	0	0
13/04/2015	1.5670%	-0.1580	-0.1331	-0.2910	-0.0190	-0.0230	0	0
14/04/2015	1.6314%	-0.1654	-0.1340	-0.2994	0.0040	-0.0040	0	0
15/04/2015	1.7078%	-0.1726	-0.1338	-0.3065	-0.0040	-0.0080	0	0
16/04/2015	1.7981%	-0.1817	-0.1340	-0.3157	-0.0040	-0.0120	0	0
17/04/2015	1.8307%	-0.1852	-0.1342	-0.3194	0.0310	0.0270	0	0
20/04/2015	1.9334%	-0.1929	-0.1327	-0.3256	0.0115	0.0075	0	0
21/04/2015	1.9080%	-0.1897	-0.1321	-0.3218	-0.0460	-0.0535	0	0
22/04/2015	1.7591%	-0.1784	-0.1344	-0.3128	-0.0610	-0.0685	0	0
23/04/2015	1.5640%	-0.1628	-0.1374	-0.3002	-0.0615	-0.0920	0	0
24/04/2015	1.5319%	-0.1631	-0.1405	-0.3036	-0.0345	-0.0425	0	0
27/04/2015	1.4910%	-0.1608	-0.1422	-0.3030	0.0345	0.0310	0	0
28/04/2015	1.5092%	-0.1608	-0.1405	-0.3013	0.0195	0.0115	0	0
29/04/2015	1.5584%	-0.1647	-0.1395	-0.3042	-0.0080	-0.0195	0	0
30/04/2015	1.6180%	-0.1713	-0.1399	-0.3112	-0.0075	-0.0190	0	0
04/05/2015	1.6188%	-0.1719	-0.1403	-0.3121	0.0305	0.0265	0	0
08/05/2015	1.5186%	-0.1598	-0.1388	-0.2985	0.0455	0.0420	0	0

12/05/2015	1.4367%	-0.1489	-0.1365	-0.2854	0.0385	0.0345	0	0
14/05/2015	1.4713%	-0.1503	-0.1346	-0.2849	-0.0075	-0.0110	0	0
15/05/2015	1.5132%	-0.1549	-0.1350	-0.2898	0.0075	0.0035	0	0
18/05/2015	1.5635%	-0.1594	-0.1346	-0.2940	-0.0075	-0.0190	0	0
19/05/2015	1.6180%	-0.1652	-0.1350	-0.3002	0.0110	0.0070	0	0
20/05/2015	1.6138%	-0.1642	-0.1344	-0.2986	-0.0305	-0.0535	0	0
21/05/2015	1.6584%	-0.1705	-0.1359	-0.3064	-0.0190	-0.0265	0	0
22/05/2015	1.7125%	-0.1771	-0.1369	-0.3139	-0.0190	-0.0225	0	0
25/05/2015	1.7948%	-0.1866	-0.1378	-0.3244	0.0115	0.0040	0	0
26/05/2015	1.7717%	-0.1835	-0.1372	-0.3207	-0.0420	-0.0460	0	0
27/05/2015	1.8650%	-0.1957	-0.1393	-0.3351	0.0115	0.0035	0	0
28/05/2015	1.9026%	-0.1987	-0.1388	-0.3375	0.0340	0.0305	0	0
29/05/2015	1.8988%	-0.1959	-0.1371	-0.3330	0.0425	0.0270	0	0
01/06/2015	1.9176%	-0.1947	-0.1350	-0.3297	-0.0385	-0.0425	0	0
02/06/2015	1.7824%	-0.1840	-0.1369	-0.3209	-0.0610	-0.0725	0	0
03/06/2015	1.6388%	-0.1734	-0.1399	-0.3133	0.0570	0.0535	0	0
04/06/2015	1.5004%	-0.1560	-0.1371	-0.2931	0.0500	0.0425	0	0
05/06/2015	1.4085%	-0.1440	-0.1346	-0.2786	0.0385	0.0270	0	0
08/06/2015	1.4370%	-0.1448	-0.1327	-0.2774	0.0075	0.0035	0	0
09/06/2015	1.4638%	-0.1470	-0.1323	-0.2793	-0.0115	-0.0310	0	0
10/06/2015	1.4861%	-0.1498	-0.1329	-0.2827	-0.0155	-0.0235	0	0
11/06/2015	1.5020%	-0.1522	-0.1336	-0.2859	-0.0190	-0.0345	0	0
12/06/2015	1.5537%	-0.1584	-0.1346	-0.2930	-0.0040	-0.0075	0	0
15/06/2015	1.5694%	-0.1602	-0.1348	-0.2950	0.0230	0.0155	0	0
16/06/2015	1.5692%	-0.1588	-0.1336	-0.2925	0.0270	0.0195	0	0
17/06/2015	1.4648%	-0.1471	-0.1323	-0.2794	0.0420	0.0305	0	0
18/06/2015	1.5105%	-0.1491	-0.1302	-0.2794	0.0000	-0.0075	0	0
19/06/2015	1.4936%	-0.1475	-0.1302	-0.2777	-0.0270	-0.0425	0	0
22/06/2015	1.5389%	-0.1534	-0.1316	-0.2850	0.0080	-0.0185	0	0
23/06/2015	1.5779%	-0.1567	-0.1312	-0.2879	0.0150	0.0115	0	0
24/06/2015	1.6443%	-0.1622	-0.1304	-0.2926	-0.0040	-0.0075	0	0
25/06/2015	1.6623%	-0.1641	-0.1306	-0.2948	-0.0265	-0.0340	0	0
26/06/2015	1.5589%	-0.1558	-0.1319	-0.2877	-0.0460	-0.0500	0	0
30/06/2015	1.5157%	-0.1542	-0.1342	-0.2885	-0.0345	-0.0385	0	0
01/07/2015	1.5706%	-0.1617	-0.1359	-0.2976	-0.0035	-0.0110	0	0
02/07/2015	1.6257%	-0.1674	-0.1361	-0.3035	0.0115	-0.0075	0	0
03/07/2015	1.6428%	-0.1684	-0.1355	-0.3039	0.0265	0.0110	0	0
06/07/2015	1.6777%	-0.1702	-0.1342	-0.3044	0.0230	0.0190	0	0
07/07/2015	1.7626%	-0.1770	-0.1331	-0.3101	0.0040	0.0000	0	0
08/07/2015	1.8446%	-0.1847	-0.1329	-0.3175	0.0155	0.0075	0	0
09/07/2015	1.9548%	-0.1942	-0.1321	-0.3263	-0.0080	-0.0155	0	0
10/07/2015	1.9039%	-0.1899	-0.1325	-0.3223	0.0495	0.0420	0	0
13/07/2015	1.9906%	-0.1945	-0.1300	-0.3245	-0.0225	-0.0265	0	0
15/07/2015	1.7572%	-0.1739	-0.1312	-0.3051	0.0685	0.0650	0	0
16/07/2015	1.6977%	-0.1639	-0.1277	-0.2916	0.0420	0.0380	0	0
17/07/2015	1.7864%	-0.1693	-0.1257	-0.2950	-0.0035	-0.0265	0	0

21/07/2015	1.4708%	-0.1404	-0.1258	-0.2663	0.0650	0.0615	0	0
22/07/2015	1.4920%	-0.1387	-0.1226	-0.2613	0.0150	0.0075	0	0
23/07/2015	1.4818%	-0.1370	-0.1218	-0.2588	0.0230	0.0155	0	0
24/07/2015	1.5291%	-0.1399	-0.1207	-0.2606	0.0040	-0.0035	0	0
30/07/2015	1.5858%	-0.1447	-0.1205	-0.2652	-0.0040	-0.0155	0	0
31/07/2015	1.6136%	-0.1474	-0.1207	-0.2681	0.0195	0.0120	0	0
06/08/2015	1.6740%	-0.1515	-0.1197	-0.2712	-0.0115	-0.0155	0	0
12/08/2015	1.7045%	-0.1549	-0.1203	-0.2752	0.0230	0.0155	0	0
13/08/2015	1.7897%	-0.1609	-0.1192	-0.2800	0.0075	0.0000	0	0
19/08/2015	1.8826%	-0.1684	-0.1188	-0.2872	0.0115	0.0035	0	0
24/08/2015	1.9981%	-0.1774	-0.1182	-0.2957	-0.0080	-0.0195	0	0
14/09/2015	2.1381%	-0.1900	-0.1186	-0.3086	0.0000	-0.0115	0	0
15/09/2015	1.4344%	-0.1292	-0.1186	-0.2478	0.0920	0.0805	0	0
16/09/2015	1.4241%	-0.1233	-0.1140	-0.2374	0.0190	0.0155	0	0
17/09/2015	1.4593%	-0.1253	-0.1131	-0.2384	0.0040	-0.0115	0	0
18/09/2015	1.4964%	-0.1281	-0.1129	-0.2410	-0.0075	-0.0110	0	0
21/09/2015	1.5312%	-0.1315	-0.1133	-0.2447	-0.0115	-0.0155	0	0
22/09/2015	1.5902%	-0.1371	-0.1138	-0.2509	0.0000	-0.0075	0	0
23/09/2015	1.6160%	-0.1392	-0.1138	-0.2531	0.0190	0.0115	0	0
24/09/2015	1.6640%	-0.1420	-0.1129	-0.2549	-0.0150	-0.0265	0	0
25/09/2015	1.7404%	-0.1493	-0.1136	-0.2629	-0.0080	-0.0195	0	0
28/09/2015	1.8316%	-0.1574	-0.1140	-0.2714	-0.0075	-0.0110	0	0
29/09/2015	1.8178%	-0.1568	-0.1144	-0.2712	0.0345	0.0305	0	0
30/09/2015	1.9283%	-0.1635	-0.1127	-0.2762	0.0000	-0.0075	0	0
01/10/2015	2.0208%	-0.1710	-0.1127	-0.2837	0.0190	0.0115	0	0
02/10/2015	2.1628%	-0.1810	-0.1117	-0.2927	0.0040	0.0005	0	0
05/10/2015	1.9731%	-0.1654	-0.1115	-0.2770	-0.0615	-0.0690	0	0
06/10/2015	2.1039%	-0.1808	-0.1146	-0.2954	-0.0075	-0.0225	0	0
07/10/2015	2.2293%	-0.1917	-0.1150	-0.3067	-0.0190	-0.0265	0	0
12/10/2015	2.4048%	-0.2078	-0.1159	-0.3237	0.0000	-0.0035	0	0
13/10/2015	2.6014%	-0.2239	-0.1159	-0.3399	0.0080	0.0045	0	0
14/10/2015	2.5965%	-0.2228	-0.1155	-0.3383	-0.0580	-0.0695	0	0
15/10/2015	2.8014%	-0.2454	-0.1184	-0.3638	-0.0190	-0.0265	0	0
16/10/2015	3.0364%	-0.2669	-0.1194	-0.3863	0.0190	0.0075	0	0
19/10/2015	2.8813%	-0.2520	-0.1184	-0.3704	-0.0880	-0.0955	0	0
20/10/2015	2.2723%	-0.2085	-0.1228	-0.3313	0.1150	0.1035	0	0
21/10/2015	2.4129%	-0.2105	-0.1171	-0.3276	0.0230	0.0195	0	0
22/10/2015	2.4244%	-0.2094	-0.1159	-0.3253	0.0495	0.0460	0	0
23/10/2015	2.5555%	-0.2155	-0.1135	-0.3290	0.0305	0.0225	0	0
26/10/2015	2.7740%	-0.2298	-0.1119	-0.3418	-0.0075	-0.0150	0	0
27/10/2015	3.0026%	-0.2485	-0.1123	-0.3609	-0.0190	-0.0340	0	0
30/10/2015	3.1542%	-0.2625	-0.1133	-0.3758	0.0455	0.0415	0	0
02/11/2015	3.3706%	-0.2738	-0.1110	-0.3848	-0.0380	-0.0495	0	0
09/11/2015	3.6736%	-0.3017	-0.1129	-0.4146	-0.0230	-0.0265	0	0
16/11/2015	4.0411%	-0.3330	-0.1140	-0.4470	0.0075	0.0040	0	0
17/11/2015	1.9683%	-0.1682	-0.1137	-0.2818	0.1915	0.1875	0	0

18/11/2015	2.0885%	-0.1631	-0.1041	-0.2672	0.0115	0.0080	0	0
19/11/2015	2.1640%	-0.1678	-0.1036	-0.2714	-0.0270	-0.0350	0	0
20/11/2015	2.1005%	-0.1652	-0.1049	-0.2701	0.0460	0.0420	0	0
23/11/2015	2.1950%	-0.1686	-0.1026	-0.2712	0.0235	0.0195	0	0
24/11/2015	2.0905%	-0.1590	-0.1014	-0.2605	-0.0500	-0.0615	0	0
26/11/2015	2.1122%	-0.1646	-0.1039	-0.2685	0.0345	0.0190	0	0
30/11/2015	2.2638%	-0.1730	-0.1022	-0.2752	0.0075	0.0035	0	0
01/12/2015	2.4388%	-0.1850	-0.1018	-0.2869	-0.0075	-0.0110	0	0
02/12/2015	2.6107%	-0.1981	-0.1022	-0.3003	0.0190	0.0150	0	0
03/12/2015	2.8068%	-0.2103	-0.1013	-0.3115	0.0195	0.0045	0	0
04/12/2015	2.5412%	-0.1895	-0.1003	-0.2898	-0.0770	-0.0885	0	0
07/12/2015	2.6764%	-0.2067	-0.1041	-0.3108	0.0310	0.0275	0	0
09/12/2015	2.2218%	-0.1705	-0.1026	-0.2731	0.0835	0.0720	0	0
10/12/2015	2.3399%	-0.1719	-0.0984	-0.2703	-0.0225	-0.0265	0	0
11/12/2015	2.4357%	-0.1806	-0.0996	-0.2802	-0.0305	-0.0340	0	0
14/12/2015	1.9857%	-0.1508	-0.1011	-0.2519	0.0760	0.0720	0	0
15/12/2015	1.9943%	-0.1458	-0.0973	-0.2431	0.0310	0.0270	0	0
16/12/2015	2.1020%	-0.1509	-0.0957	-0.2466	-0.0155	-0.0195	0	0
17/12/2015	2.2140%	-0.1599	-0.0965	-0.2564	-0.0190	-0.0225	0	0
22/12/2015	2.3453%	-0.1706	-0.0975	-0.2680	0.0190	-0.0115	0	0
23/12/2015	2.2620%	-0.1632	-0.0965	-0.2597	-0.0495	-0.0610	0	0
04/01/2016	2.4027%	-0.1773	-0.0990	-0.2763	0.0190	0.0040	0	0
25/01/2016	2.5292%	-0.1844	-0.0980	-0.2824	0.0265	0.0075	0	0
26/01/2016	2.7348%	-0.1959	-0.0967	-0.2926	0.0115	0.0040	0	0
27/01/2016	2.9823%	-0.2114	-0.0961	-0.3075	0.0000	-0.0040	0	0
19/02/2016	3.0356%	-0.2149	-0.0961	-0.3111	0.0500	0.0460	0	0
22/02/2016	3.2184%	-0.2212	-0.0937	-0.3149	-0.0345	-0.0425	0	0
25/02/2016	3.4066%	-0.2376	-0.0954	-0.3330	0.0385	0.0350	0	0
29/02/2016	3.2828%	-0.2249	-0.0935	-0.3184	0.0725	0.0685	0	0
01/03/2016	3.5210%	-0.2309	-0.0898	-0.3207	-0.0305	-0.0380	0	0
02/03/2016	2.5081%	-0.1705	-0.0914	-0.2618	-0.1225	-0.1455	0	0
03/03/2016	2.6048%	-0.1885	-0.0975	-0.2860	-0.0345	-0.0420	0	0
07/03/2016	2.8344%	-0.2078	-0.0992	-0.3070	0.0000	-0.0040	0	0
09/03/2016	2.5735%	-0.1896	-0.0992	-0.2888	-0.0765	-0.0875	0	0
10/03/2016	2.4361%	-0.1869	-0.1030	-0.2899	0.0615	0.0500	0	0
11/03/2016	2.6356%	-0.1955	-0.0999	-0.2954	-0.0080	-0.0120	0	0
14/03/2016	2.5660%	-0.1913	-0.1003	-0.2916	-0.0575	-0.0615	0	0
16/03/2016	2.1203%	-0.1640	-0.1032	-0.2672	-0.0840	-0.0995	0	0
17/03/2016	1.8905%	-0.1528	-0.1074	-0.2602	-0.0610	-0.0765	0	0
21/03/2016	1.9744%	-0.1638	-0.1104	-0.2742	0.0190	0.0035	0	0
22/03/2016	1.8442%	-0.1521	-0.1095	-0.2615	-0.0500	-0.0535	0	0
23/03/2016	1.8799%	-0.1585	-0.1119	-0.2704	0.0270	0.0195	0	0
28/03/2016	1.9436%	-0.1617	-0.1106	-0.2723	0.0230	0.0195	0	0
29/03/2016	2.0496%	-0.1684	-0.1095	-0.2778	0.0155	0.0120	0	0
30/03/2016	2.1921%	-0.1783	-0.1087	-0.2870	-0.0075	-0.0115	0	0
31/03/2016	2.3620%	-0.1922	-0.1091	-0.3012	-0.0005	-0.0120	0	0

01/04/2016	2.4780%	-0.2012	-0.1091	-0.3103	-0.0305	-0.0345	0	0
06/04/2016	2.6853%	-0.2202	-0.1106	-0.3308	-0.0075	-0.0110	0	0
07/04/2016	2.7078%	-0.2227	-0.1110	-0.3337	0.0535	0.0495	0	0
11/04/2016	2.9474%	-0.2355	-0.1083	-0.3438	-0.0075	-0.0110	0	0
12/04/2016	2.7676%	-0.2227	-0.1087	-0.3314	-0.0805	-0.0845	0	0
13/04/2016	2.9396%	-0.2444	-0.1127	-0.3571	-0.0345	-0.0420	0	0
14/04/2016	3.2142%	-0.2699	-0.1144	-0.3843	-0.0035	-0.0075	0	0
15/04/2016	2.4891%	-0.2123	-0.1146	-0.3268	0.1225	0.1150	0	0
19/04/2016	2.4055%	-0.1945	-0.1085	-0.3030	0.0580	0.0540	0	0
20/04/2016	2.2729%	-0.1794	-0.1056	-0.2850	0.0585	0.0475	0	0
21/04/2016	2.2863%	-0.1754	-0.1027	-0.2781	0.0400	0.0365	0	0
22/04/2016	2.4032%	-0.1804	-0.1007	-0.2811	-0.0255	-0.0400	0	0
25/04/2016	2.5988%	-0.1968	-0.1020	-0.2988	0.0075	0.0035	0	0
26/04/2016	2.8232%	-0.2121	-0.1016	-0.3137	0.0070	0.0035	0	0
27/04/2016	3.0564%	-0.2278	-0.1012	-0.3291	-0.0180	-0.0365	0	0
28/04/2016	2.9818%	-0.2245	-0.1021	-0.3267	-0.0695	-0.0770	0	0
29/04/2016	3.1225%	-0.2424	-0.1056	-0.3480	0.0435	0.0395	0	0
02/05/2016	3.3309%	-0.2523	-0.1034	-0.3558	-0.0360	-0.0395	0	0
03/05/2016	3.6575%	-0.2801	-0.1052	-0.3853	0.0000	-0.0035	0	0
04/05/2016	3.9986%	-0.3043	-0.1052	-0.4095	0.0215	0.0180	0	0
05/05/2016	3.6083%	-0.2738	-0.1042	-0.3780	0.1130	0.0950	0	0
06/05/2016	3.9272%	-0.2802	-0.0985	-0.3787	-0.0255	-0.0405	0	0
09/05/2016	4.2625%	-0.3061	-0.0998	-0.4059	0.0330	0.0295	0	0
10/05/2016	2.4292%	-0.1777	-0.0982	-0.2758	-0.1820	-0.1895	0	0
11/05/2016	2.5622%	-0.2042	-0.1072	-0.3114	-0.0290	-0.0365	0	0
12/05/2016	1.8475%	-0.1512	-0.1087	-0.2599	-0.1020	-0.1095	0	0
13/05/2016	1.9618%	-0.1677	-0.1137	-0.2815	-0.0035	-0.0110	0	0
16/05/2016	1.9915%	-0.1704	-0.1139	-0.2843	-0.0330	-0.0440	0	0
17/05/2016	2.1253%	-0.1840	-0.1156	-0.2996	-0.0075	-0.0145	0	0
18/05/2016	2.1958%	-0.1905	-0.1159	-0.3064	-0.0325	-0.0470	0	0
20/05/2016	2.2569%	-0.1983	-0.1175	-0.3158	0.0365	0.0325	0	0
23/05/2016	2.4326%	-0.2097	-0.1157	-0.3255	0.0070	0.0035	0	0
24/05/2016	2.5902%	-0.2220	-0.1154	-0.3374	-0.0255	-0.0290	0	0
25/05/2016	2.6679%	-0.2308	-0.1166	-0.3475	-0.0470	-0.0540	0	0
26/05/2016	2.8759%	-0.2528	-0.1190	-0.3718	-0.0220	-0.0330	0	0
27/05/2016	2.9131%	-0.2582	-0.1201	-0.3783	0.0615	0.0575	0	0
30/05/2016	2.5147%	-0.2189	-0.1170	-0.3359	0.0985	0.0840	0	0
31/05/2016	2.3762%	-0.1987	-0.1121	-0.3108	0.0655	0.0615	0	0
01/06/2016	2.4559%	-0.1991	-0.1089	-0.3079	0.0365	0.0330	0	0
02/06/2016	1.9569%	-0.1575	-0.1070	-0.2645	0.0835	0.0795	0	0
03/06/2016	2.0363%	-0.1573	-0.1029	-0.2602	-0.0215	-0.0290	0	0
06/06/2016	2.0616%	-0.1608	-0.1040	-0.2648	-0.0330	-0.0550	0	0
07/06/2016	2.1631%	-0.1711	-0.1056	-0.2767	-0.0215	-0.0255	0	0
08/06/2016	2.2217%	-0.1773	-0.1067	-0.2839	0.0325	0.0290	0	0
09/06/2016	2.2311%	-0.1753	-0.1051	-0.2803	0.0400	-0.0040	0	0
10/06/2016	2.4069%	-0.1849	-0.1031	-0.2880	0.0000	-0.0040	0	0

13/06/2016	2.6033%	-0.1992	-0.1031	-0.3023	-0.0075	-0.0115	0	0
14/06/2016	2.5148%	-0.1935	-0.1034	-0.2969	0.0585	0.0550	0	0
15/06/2016	2.7271%	-0.2031	-0.1005	-0.3036	0.0070	0.0030	0	0
16/06/2016	2.7499%	-0.2040	-0.1002	-0.3042	-0.0505	-0.0615	0	0
17/06/2016	2.9955%	-0.2267	-0.1027	-0.3294	0.0070	0.0035	0	0
20/06/2016	3.2782%	-0.2459	-0.1023	-0.3483	0.0000	-0.0185	0	0
21/06/2016	3.1879%	-0.2396	-0.1023	-0.3419	-0.0765	-0.0950	0	0
22/06/2016	3.3412%	-0.2597	-0.1061	-0.3658	0.0475	-0.0765	0	0
23/06/2016	3.4165%	-0.2593	-0.1038	-0.3630	-0.0620	-0.2335	0	0
24/06/2016	3.7541%	-0.2915	-0.1069	-0.3983	0.0000	-0.1095	0	0
27/06/2016	4.1346%	-0.3187	-0.1069	-0.4256	0.0000	-0.1095	0	0
28/06/2016	4.5212%	-0.3460	-0.1069	-0.4528	-0.0290	-0.1385	0	0
30/06/2016	4.9815%	-0.3830	-0.1083	-0.4913	-0.0185	-0.0990	0	0
01/07/2016	5.3662%	-0.4131	-0.1092	-0.5223	-0.0615	-0.1235	0	0
04/07/2016	5.5829%	-0.4400	-0.1123	-0.5523	0.0985	-0.0110	0	0
05/07/2016	5.7008%	-0.4288	-0.1074	-0.5362	-0.1165	-0.3605	0	0
06/07/2016	6.1421%	-0.4829	-0.1132	-0.5961	0.0725	-0.0550	0	0
07/07/2016	6.6351%	-0.5004	-0.1096	-0.6100	0.0730	-0.1270	0	0
08/07/2016	6.9601%	-0.5045	-0.1059	-0.6104	0.1090	0.0620	0	0
11/07/2016	5.5057%	-0.3890	-0.1005	-0.4896	-0.2545	-0.3455	0	0
12/07/2016	5.9173%	-0.4672	-0.1132	-0.5804	0.0725	0.0690	0	0
13/07/2016	6.4290%	-0.4867	-0.1096	-0.5963	0.0620	-0.1020	0	0
14/07/2016	4.3966%	-0.3361	-0.1065	-0.4425	-0.2800	-0.3820	0	0
15/07/2016	4.2706%	-0.3700	-0.1204	-0.4904	0.1195	0.0285	0	0
18/07/2016	3.1234%	-0.2629	-0.1145	-0.3774	-0.1850	-0.1925	0	0
19/07/2016	2.9635%	-0.2703	-0.1237	-0.3940	-0.0950	-0.0985	0	0
20/07/2016	2.5739%	-0.2456	-0.1284	-0.3740	0.1090	0.1055	0	0
21/07/2016	2.7310%	-0.2488	-0.1230	-0.3718	0.0330	0.0295	0	0
22/07/2016	2.6740%	-0.2406	-0.1213	-0.3620	0.0690	0.0615	0	0
25/07/2016	2.6335%	-0.2305	-0.1179	-0.3484	-0.0655	-0.0690	0	0
26/07/2016	2.8376%	-0.2542	-0.1212	-0.3754	-0.0220	-0.0260	0	0
27/07/2016	3.0734%	-0.2766	-0.1223	-0.3988	-0.0215	-0.0325	0	0
01/08/2016	3.3603%	-0.3034	-0.1233	-0.4267	0.0110	0.0075	0	0
02/08/2016	3.6405%	-0.3255	-0.1228	-0.4483	-0.0330	-0.0405	0	0
03/08/2016	3.9866%	-0.3588	-0.1244	-0.4833	-0.0220	-0.0255	0	0
04/08/2016	4.3779%	-0.3946	-0.1255	-0.5201	0.0220	0.0185	0	0
05/08/2016	3.8819%	-0.3501	-0.1244	-0.4745	0.1530	0.1495	0	0
08/08/2016	4.2406%	-0.3566	-0.1168	-0.4734	0.0290	0.0105	0	0
09/08/2016	4.4653%	-0.3693	-0.1154	-0.4847	-0.0725	-0.0760	0	0
10/08/2016	4.8233%	-0.4086	-0.1190	-0.5276	-0.0550	-0.0660	0	0
11/08/2016	4.3984%	-0.3842	-0.1217	-0.5060	0.1565	0.1495	0	0
12/08/2016	4.8062%	-0.3900	-0.1139	-0.5039	-0.0360	-0.0395	0	0
15/08/2016	4.5227%	-0.3748	-0.1157	-0.4905	0.1380	0.1345	0	0
16/08/2016	4.9619%	-0.3836	-0.1089	-0.4924	-0.0290	-0.0325	0	0
17/08/2016	5.4572%	-0.4235	-0.1103	-0.5338	-0.0295	-0.0330	0	0
18/08/2016	5.6277%	-0.4411	-0.1118	-0.5529	0.1060	0.0950	0	0

19/08/2016	3.8332%	-0.2961	-0.1065	-0.4026	0.2185	0.2115	0	0
22/08/2016	4.1344%	-0.2852	-0.0956	-0.3808	0.0360	0.0285	0	0
23/08/2016	4.4417%	-0.2989	-0.0938	-0.3927	-0.0435	-0.0510	0	0
24/08/2016	4.1121%	-0.2848	-0.0960	-0.3808	-0.1165	-0.1235	0	0
25/08/2016	4.4648%	-0.3258	-0.1018	-0.4276	-0.0365	-0.0440	0	0
26/08/2016	4.6232%	-0.3423	-0.1036	-0.4459	0.0770	0.0700	0	0
29/08/2016	4.5428%	-0.3244	-0.0998	-0.4242	-0.1055	-0.1085	0	0
31/08/2016	4.6744%	-0.3505	-0.1050	-0.4555	0.0830	0.0765	0	0
01/09/2016	5.0983%	-0.3644	-0.1009	-0.4653	-0.0380	-0.0445	0	0
02/09/2016	3.0438%	-0.2304	-0.1028	-0.3332	-0.2265	-0.2330	0	0
05/09/2016	2.7164%	-0.2296	-0.1141	-0.3436	-0.0990	-0.1020	0	0
06/09/2016	2.2175%	-0.1974	-0.1190	-0.3164	-0.1050	-0.1110	0	0
07/09/2016	2.3670%	-0.2193	-0.1242	-0.3435	0.0185	0.0155	0	0
08/09/2016	2.4116%	-0.2216	-0.1233	-0.3449	-0.0475	-0.0570	0	0
09/09/2016	2.5831%	-0.2411	-0.1257	-0.3668	0.0220	0.0160	0	0
12/09/2016	2.5170%	-0.2332	-0.1246	-0.3578	0.0675	0.0515	0	0
13/09/2016	2.5849%	-0.2327	-0.1212	-0.3539	-0.0480	-0.0545	0	0
14/09/2016	2.6895%	-0.2464	-0.1236	-0.3700	-0.0450	-0.0485	0	0
15/09/2016	2.9308%	-0.2721	-0.1258	-0.3980	0.0000	-0.0095	0	0
16/09/2016	3.0245%	-0.2803	-0.1258	-0.4062	0.0580	0.0485	0	0
19/09/2016	3.0145%	-0.2731	-0.1229	-0.3960	0.0730	0.0635	0	0
20/09/2016	2.4644%	-0.2189	-0.1193	-0.3382	-0.1180	-0.1245	0	0
21/09/2016	2.6131%	-0.2429	-0.1252	-0.3680	-0.0315	-0.0410	0	0
22/09/2016	2.7275%	-0.2561	-0.1267	-0.3829	0.0445	0.0415	0	0
23/09/2016	2.9458%	-0.2707	-0.1245	-0.3952	-0.0225	-0.0260	0	0
26/09/2016	2.5725%	-0.2402	-0.1257	-0.3658	0.1050	0.0990	0	0
27/09/2016	1.7849%	-0.1621	-0.1204	-0.2826	0.1115	0.1085	0	0
28/09/2016	1.8048%	-0.1563	-0.1149	-0.2712	-0.0285	-0.0350	0	0
29/09/2016	1.8771%	-0.1644	-0.1163	-0.2807	-0.0190	-0.0220	0	0
30/09/2016	1.9206%	-0.1694	-0.1172	-0.2867	-0.0285	-0.0315	0	0
03/10/2016	1.8348%	-0.1641	-0.1187	-0.2827	-0.0480	-0.0545	0	0
04/10/2016	1.7021%	-0.1557	-0.1211	-0.2767	-0.0510	-0.0545	0	0
05/10/2016	1.7918%	-0.1670	-0.1236	-0.2906	-0.0030	-0.0065	0	0
06/10/2016	1.6192%	-0.1516	-0.1237	-0.2754	-0.0545	-0.0610	0	0
07/10/2016	1.4312%	-0.1374	-0.1264	-0.2639	-0.0510	-0.0540	0	0
10/10/2016	1.4318%	-0.1403	-0.1290	-0.2692	-0.0190	-0.0220	0	0
11/10/2016	1.4023%	-0.1385	-0.1299	-0.2684	-0.0255	-0.0285	0	0
12/10/2016	1.4256%	-0.1421	-0.1312	-0.2733	0.0095	0.0060	0	0
13/10/2016	1.4624%	-0.1451	-0.1307	-0.2758	-0.0030	-0.0160	0	0
14/10/2016	1.5068%	-0.1496	-0.1309	-0.2804	0.0030	0.0000	0	0
17/10/2016	1.5361%	-0.1522	-0.1307	-0.2829	-0.0160	-0.0220	0	0
18/10/2016	1.5800%	-0.1574	-0.1315	-0.2889	0.0130	0.0100	0	0
19/10/2016	1.6328%	-0.1617	-0.1309	-0.2925	-0.0130	-0.0290	0	0
20/10/2016	1.7072%	-0.1696	-0.1315	-0.3012	0.0065	0.0035	0	0
21/10/2016	1.7099%	-0.1695	-0.1312	-0.3007	0.0320	0.0285	0	0
24/10/2016	1.7134%	-0.1677	-0.1296	-0.2974	-0.0320	-0.0355	0	0

25/10/2016	1.7930%	-0.1774	-0.1312	-0.3086	-0.0125	-0.0160	0	0
26/10/2016	1.6500%	-0.1645	-0.1318	-0.2963	0.0540	0.0510	0	0
27/10/2016	1.7083%	-0.1667	-0.1291	-0.2958	-0.0160	-0.0220	0	0
28/10/2016	1.7568%	-0.1723	-0.1299	-0.3022	-0.0225	-0.0255	0	0
31/10/2016	1.8540%	-0.1830	-0.1311	-0.3141	-0.0060	-0.0125	0	0
02/11/2016	1.7875%	-0.1771	-0.1314	-0.3085	0.0475	0.0410	0	0
03/11/2016	1.8801%	-0.1826	-0.1290	-0.3116	-0.0125	-0.0155	0	0
04/11/2016	1.9224%	-0.1874	-0.1296	-0.3171	0.0315	0.0280	0	0
07/11/2016	1.6868%	-0.1632	-0.1280	-0.2913	-0.0665	-0.0695	0	0
08/11/2016	1.7317%	-0.1718	-0.1314	-0.3031	-0.0225	-0.0290	0	0
09/11/2016	1.8241%	-0.1821	-0.1325	-0.3146	0.0065	0.0035	0	0
10/11/2016	1.8980%	-0.1888	-0.1321	-0.3209	0.0220	0.0125	0	0
11/11/2016	1.8873%	-0.1862	-0.1311	-0.3173	0.0415	0.0290	0	0
14/11/2016	1.9894%	-0.1928	-0.1290	-0.3218	0.0160	0.0130	0	0
15/11/2016	1.8953%	-0.1829	-0.1282	-0.3111	0.0540	0.0480	0	0
16/11/2016	2.0153%	-0.1899	-0.1255	-0.3155	0.0065	0.0035	0	0
21/11/2016	2.1512%	-0.2017	-0.1252	-0.3269	-0.0095	-0.0130	0	0
22/11/2016	1.8811%	-0.1780	-0.1257	-0.3036	0.0735	0.0605	0	0
23/11/2016	1.9705%	-0.1807	-0.1220	-0.3027	0.0190	0.0155	0	0
24/11/2016	1.8005%	-0.1644	-0.1211	-0.2854	0.0575	0.0540	0	0
25/11/2016	1.6303%	-0.1458	-0.1182	-0.2640	0.0510	0.0350	0	0
28/11/2016	1.7032%	-0.1488	-0.1157	-0.2645	-0.0065	-0.0095	0	0
29/11/2016	1.6823%	-0.1475	-0.1160	-0.2634	-0.0320	-0.0355	0	0
30/11/2016	1.7649%	-0.1566	-0.1176	-0.2741	-0.0065	-0.0100	0	0
01/12/2016	1.7796%	-0.1583	-0.1179	-0.2762	0.0290	0.0260	0	0
02/12/2016	1.7534%	-0.1541	-0.1164	-0.2706	0.0350	0.0290	0	0
05/12/2016	1.5603%	-0.1356	-0.1147	-0.2503	-0.0510	-0.0540	0	0
06/12/2016	1.6248%	-0.1441	-0.1172	-0.2614	0.0000	-0.0030	0	0
07/12/2016	1.6827%	-0.1491	-0.1172	-0.2664	-0.0130	-0.0160	0	0
09/12/2016	1.7685%	-0.1573	-0.1179	-0.2752	0.0035	0.0005	0	0
12/12/2016	1.6302%	-0.1452	-0.1177	-0.2629	-0.0480	-0.0545	0	0
13/12/2016	1.6018%	-0.1456	-0.1201	-0.2657	-0.0315	-0.0410	0	0
14/12/2016	1.6344%	-0.1504	-0.1217	-0.2721	-0.0195	-0.0225	0	0
15/12/2016	1.6455%	-0.1526	-0.1226	-0.2753	0.0255	0.0220	0	0
16/12/2016	1.5749%	-0.1448	-0.1214	-0.2661	-0.0380	-0.0410	0	0
19/12/2016	1.5080%	-0.1410	-0.1233	-0.2642	0.0350	0.0320	0	0
20/12/2016	1.5333%	-0.1412	-0.1215	-0.2628	0.0160	0.0100	0	0
21/12/2016	1.5926%	-0.1456	-0.1207	-0.2663	0.0000	-0.0030	0	0
22/12/2016	1.6633%	-0.1518	-0.1207	-0.2726	0.0000	-0.0030	0	0
23/12/2016	1.7377%	-0.1584	-0.1207	-0.2791	-0.0095	-0.0125	0	0
26/12/2016	1.8183%	-0.1661	-0.1212	-0.2873	-0.0130	-0.0195	0	0
27/12/2016	1.9282%	-0.1767	-0.1218	-0.2986	-0.0030	-0.0155	0	0
28/12/2016	2.0539%	-0.1880	-0.1220	-0.3100	0.0060	0.0025	0	0
29/12/2016	2.1190%	-0.1933	-0.1217	-0.3150	0.0320	0.0225	0	0
30/12/2016	2.1947%	-0.1973	-0.1201	-0.3174	0.0320	0.0285	0	0
02/01/2017	2.3651%	-0.2091	-0.1185	-0.3276	0.0000	-0.0035	0	0

03/01/2017	2.4987%	-0.2203	-0.1185	-0.3389	0.0290	0.0255	0	0
04/01/2017	2.7017%	-0.2344	-0.1171	-0.3515	-0.0130	-0.0195	0	0
05/01/2017	1.9517%	-0.1727	-0.1177	-0.2905	0.1115	0.1050	0	0
06/01/2017	1.9541%	-0.1648	-0.1122	-0.2770	0.0355	0.0325	0	0
09/01/2017	1.9052%	-0.1583	-0.1104	-0.2687	0.0410	0.0345	0	0
10/01/2017	2.0118%	-0.1637	-0.1084	-0.2721	0.0130	0.0095	0	0
11/01/2017	2.1540%	-0.1738	-0.1077	-0.2815	0.0000	-0.0035	0	0
12/01/2017	2.2541%	-0.1815	-0.1077	-0.2892	0.0255	0.0220	0	0
13/01/2017	2.3859%	-0.1894	-0.1064	-0.2958	-0.0225	-0.0255	0	0
16/01/2017	2.5143%	-0.2012	-0.1076	-0.3087	-0.0285	-0.0350	0	0
17/01/2017	2.5410%	-0.2059	-0.1090	-0.3149	0.0475	0.0445	0	0
18/01/2017	2.2149%	-0.1767	-0.1066	-0.2833	0.0760	0.0695	0	0
19/01/2017	2.0033%	-0.1548	-0.1028	-0.2576	0.0580	0.0495	0	0
20/01/2017	2.1405%	-0.1603	-0.1000	-0.2602	0.0055	0.0030	0	0
23/01/2017	2.1896%	-0.1634	-0.0997	-0.2630	-0.0315	-0.0345	0	0
24/01/2017	2.3260%	-0.1758	-0.1012	-0.2770	0.0175	0.0120	0	0
25/01/2017	1.9962%	-0.1505	-0.1004	-0.2509	0.0665	0.0605	0	0
26/01/2017	2.1190%	-0.1542	-0.0971	-0.2512	-0.0115	-0.0200	0	0
27/01/2017	2.2415%	-0.1636	-0.0976	-0.2613	-0.0175	-0.0205	0	0
30/01/2017	2.4188%	-0.1776	-0.0985	-0.2761	0.0000	-0.0025	0	0
31/01/2017	2.3868%	-0.1753	-0.0985	-0.2738	0.0465	0.0440	0	0
01/02/2017	2.5845%	-0.1847	-0.0962	-0.2809	-0.0030	-0.0060	0	0
02/02/2017	2.4281%	-0.1743	-0.0963	-0.2706	-0.0610	-0.0670	0	0
03/02/2017	2.4186%	-0.1791	-0.0994	-0.2785	-0.0460	-0.0490	0	0
06/02/2017	2.5693%	-0.1941	-0.1017	-0.2958	-0.0235	-0.0265	0	0
07/02/2017	2.7824%	-0.2118	-0.1028	-0.3146	-0.0115	-0.0140	0	0
08/02/2017	3.0260%	-0.2305	-0.1034	-0.3339	-0.0115	-0.0145	0	0
09/02/2017	2.5317%	-0.1958	-0.1040	-0.2997	0.0955	0.0810	0	0
10/02/2017	2.6532%	-0.1953	-0.0992	-0.2945	-0.0320	-0.0380	0	0
13/02/2017	2.4900%	-0.1868	-0.1008	-0.2876	0.0640	0.0610	0	0
14/02/2017	2.3303%	-0.1698	-0.0976	-0.2675	0.0580	0.0550	0	0
15/02/2017	2.5208%	-0.1776	-0.0948	-0.2724	0.0000	-0.0090	0	0
16/02/2017	2.7377%	-0.1921	-0.0948	-0.2869	-0.0030	-0.0120	0	0
17/02/2017	2.9314%	-0.2053	-0.0949	-0.3002	0.0235	0.0175	0	0
20/02/2017	3.1089%	-0.2143	-0.0937	-0.3080	-0.0325	-0.0440	0	0
21/02/2017	2.6397%	-0.1868	-0.0953	-0.2821	-0.0925	-0.0955	0	0
22/02/2017	2.7637%	-0.2045	-0.1000	-0.3045	-0.0350	-0.0375	0	0
23/02/2017	2.8347%	-0.2131	-0.1017	-0.3148	-0.0465	-0.0610	0	0
24/02/2017	2.2941%	-0.1782	-0.1040	-0.2822	0.0930	0.0900	0	0
27/02/2017	2.3902%	-0.1771	-0.0994	-0.2765	-0.0290	-0.0610	0	0
28/02/2017	2.1807%	-0.1646	-0.1008	-0.2654	0.0610	0.0580	0	0
01/03/2017	2.3407%	-0.1708	-0.0978	-0.2686	-0.0085	-0.0145	0	0
02/03/2017	2.2659%	-0.1663	-0.0982	-0.2645	-0.0495	-0.0580	0	0
03/03/2017	2.0363%	-0.1539	-0.1007	-0.2546	-0.0610	-0.0670	0	0
06/03/2017	2.1240%	-0.1651	-0.1037	-0.2688	-0.0230	-0.0260	0	0
07/03/2017	2.1775%	-0.1709	-0.1049	-0.2758	0.0315	0.0285	0	0

08/03/2017	2.0609%	-0.1597	-0.1033	-0.2630	-0.0515	-0.0630	0	0
09/03/2017	2.2098%	-0.1750	-0.1058	-0.2809	0.0030	-0.0030	0	0
10/03/2017	2.3005%	-0.1816	-0.1057	-0.2873	-0.0290	-0.0320	0	0
13/03/2017	2.4377%	-0.1946	-0.1071	-0.3017	0.0230	0.0200	0	0
14/03/2017	1.8335%	-0.1465	-0.1060	-0.2525	0.0870	0.0840	0	0
15/03/2017	1.8556%	-0.1421	-0.1017	-0.2438	-0.0265	-0.0295	0	0
16/03/2017	1.9053%	-0.1477	-0.1030	-0.2507	0.0230	0.0175	0	0
17/03/2017	2.0296%	-0.1552	-0.1018	-0.2570	-0.0025	-0.0140	0	0
20/03/2017	2.1745%	-0.1660	-0.1020	-0.2680	0.0000	-0.0030	0	0
21/03/2017	2.0263%	-0.1551	-0.1020	-0.2571	0.0520	0.0430	0	0
22/03/2017	2.1665%	-0.1612	-0.0994	-0.2606	-0.0060	-0.0090	0	0
23/03/2017	2.1623%	-0.1614	-0.0997	-0.2611	0.0380	0.0350	0	0
24/03/2017	2.2295%	-0.1631	-0.0978	-0.2608	-0.0290	-0.0350	0	0
27/03/2017	1.9419%	-0.1449	-0.0992	-0.2441	0.0610	0.0550	0	0
28/03/2017	1.5367%	-0.1120	-0.0962	-0.2082	0.0580	0.0550	0	0
29/03/2017	1.5717%	-0.1111	-0.0933	-0.2044	0.0115	0.0085	0	0
30/03/2017	1.5991%	-0.1123	-0.0927	-0.2050	0.0145	0.0120	0	0
31/03/2017	1.6324%	-0.1136	-0.0920	-0.2056	-0.0145	-0.0265	0	0
03/04/2017	1.7088%	-0.1197	-0.0927	-0.2124	0.0030	0.0005	0	0
04/04/2017	1.7990%	-0.1256	-0.0926	-0.2182	-0.0030	-0.0085	0	0
05/04/2017	1.5174%	-0.1067	-0.0927	-0.1994	0.0465	0.0440	0	0
06/04/2017	1.4621%	-0.1003	-0.0904	-0.1908	0.0230	0.0200	0	0
07/04/2017	1.4445%	-0.0979	-0.0893	-0.1872	-0.0170	-0.0200	0	0
10/04/2017	1.4861%	-0.1016	-0.0901	-0.1917	0.0000	-0.0030	0	0
11/04/2017	1.5362%	-0.1049	-0.0901	-0.1951	0.0000	-0.0030	0	0
12/04/2017	1.5369%	-0.1050	-0.0901	-0.1951	0.0170	0.0140	0	0
17/04/2017	1.5328%	-0.1037	-0.0893	-0.1930	0.0175	0.0145	0	0
18/04/2017	1.5482%	-0.1037	-0.0884	-0.1921	-0.0145	-0.0170	0	0
19/04/2017	1.5265%	-0.1031	-0.0891	-0.1923	0.0200	0.0140	0	0
20/04/2017	1.5782%	-0.1053	-0.0881	-0.1935	-0.0055	-0.0085	0	0
21/04/2017	1.6400%	-0.1097	-0.0884	-0.1981	0.0055	0.0030	0	0
24/04/2017	1.6911%	-0.1126	-0.0881	-0.2008	0.0120	0.0090	0	0
25/04/2017	1.7739%	-0.1172	-0.0875	-0.2047	0.0055	0.0025	0	0
26/04/2017	1.7265%	-0.1138	-0.0873	-0.2010	-0.0285	-0.0310	0	0
27/04/2017	1.8067%	-0.1208	-0.0887	-0.2095	-0.0090	-0.0120	0	0
28/04/2017	1.9139%	-0.1284	-0.0891	-0.2175	-0.0030	-0.0090	0	0
02/05/2017	1.9044%	-0.1280	-0.0893	-0.2172	-0.0290	-0.0320	0	0
03/05/2017	2.0089%	-0.1369	-0.0907	-0.2276	-0.0115	-0.0145	0	0
04/05/2017	2.1056%	-0.1441	-0.0913	-0.2354	0.0175	0.0150	0	0
05/05/2017	2.2511%	-0.1522	-0.0904	-0.2426	-0.0090	-0.0180	0	0
08/05/2017	2.4206%	-0.1639	-0.0909	-0.2548	-0.0085	-0.0145	0	0
09/05/2017	2.4980%	-0.1697	-0.0913	-0.2610	0.0320	0.0295	0	0
10/05/2017	2.4844%	-0.1659	-0.0897	-0.2556	-0.0435	-0.0490	0	0
11/05/2017	2.6729%	-0.1821	-0.0919	-0.2740	0.0145	0.0055	0	0
12/05/2017	2.5573%	-0.1732	-0.0911	-0.2644	0.0550	0.0495	0	0
15/05/2017	2.6801%	-0.1757	-0.0884	-0.2641	-0.0290	-0.0315	0	0

16/05/2017	2.9058%	-0.1928	-0.0898	-0.2826	-0.0115	-0.0140	0	0
17/05/2017	3.1622%	-0.2101	-0.0904	-0.3005	-0.0120	-0.0150	0	0
18/05/2017	3.1390%	-0.2100	-0.0910	-0.3010	0.0580	0.0550	0	0
19/05/2017	2.2217%	-0.1465	-0.0881	-0.2346	0.0990	0.0960	0	0
22/05/2017	2.2590%	-0.1405	-0.0832	-0.2237	0.0290	0.0260	0	0
23/05/2017	2.3269%	-0.1420	-0.0818	-0.2238	-0.0265	-0.0295	0	0
24/05/2017	2.5062%	-0.1549	-0.0831	-0.2380	-0.0085	-0.0140	0	0
25/05/2017	2.6795%	-0.1659	-0.0835	-0.2494	0.0175	0.0145	0	0
26/05/2017	1.8183%	-0.1133	-0.0826	-0.1959	0.0810	0.0725	0	0
29/05/2017	1.9003%	-0.1124	-0.0786	-0.1910	-0.0115	-0.0140	0	0
30/05/2017	1.9605%	-0.1167	-0.0792	-0.1959	0.0175	0.0145	0	0
31/05/2017	1.8819%	-0.1109	-0.0783	-0.1893	-0.0320	-0.0405	0	0
01/06/2017	1.7888%	-0.1078	-0.0799	-0.1877	-0.0320	-0.0375	0	0
02/06/2017	1.8673%	-0.1146	-0.0815	-0.1961	-0.0115	-0.0200	0	0
05/06/2017	1.9792%	-0.1221	-0.0821	-0.2041	-0.0060	-0.0090	0	0
06/06/2017	2.0597%	-0.1273	-0.0824	-0.2096	0.0175	0.0145	0	0
07/06/2017	2.2078%	-0.1346	-0.0815	-0.2161	0.0030	-0.0055	0	0
08/06/2017	1.7949%	-0.1101	-0.0813	-0.1914	0.0550	0.0495	0	0
09/06/2017	1.8322%	-0.1085	-0.0786	-0.1871	0.0175	0.0090	0	0
12/06/2017	1.8539%	-0.1086	-0.0777	-0.1863	0.0200	0.0170	0	0
13/06/2017	1.9545%	-0.1128	-0.0767	-0.1895	-0.0085	-0.0145	0	0
14/06/2017	2.0601%	-0.1193	-0.0772	-0.1964	-0.0115	-0.0140	0	0
15/06/2017	2.2039%	-0.1282	-0.0777	-0.2059	0.0055	0.0025	0	0
16/06/2017	1.8415%	-0.1075	-0.0775	-0.1849	-0.0520	-0.0605	0	0
19/06/2017	1.9487%	-0.1173	-0.0800	-0.1973	-0.0060	-0.0205	0	0
20/06/2017	1.9487%	-0.1177	-0.0803	-0.1981	-0.0260	-0.0345	0	0
21/06/2017	1.9147%	-0.1176	-0.0816	-0.1993	0.0290	0.0175	0	0
22/06/2017	1.7899%	-0.1083	-0.0802	-0.1885	-0.0350	-0.0465	0	0
23/06/2017	1.8530%	-0.1144	-0.0819	-0.1963	-0.0145	-0.0320	0	0
26/06/2017	1.9636%	-0.1220	-0.0827	-0.2047	-0.0055	-0.0085	0	0
27/06/2017	2.0420%	-0.1271	-0.0829	-0.2100	0.0175	0.0150	0	0
28/06/2017	2.0955%	-0.1289	-0.0821	-0.2110	-0.0230	-0.0260	0	0
30/06/2017	2.2493%	-0.1399	-0.0832	-0.2231	-0.0030	-0.0060	0	0
03/07/2017	2.3956%	-0.1489	-0.0834	-0.2322	-0.0145	-0.0205	0	0
04/07/2017	2.5768%	-0.1610	-0.0841	-0.2450	0.0115	0.0030	0	0
05/07/2017	2.7928%	-0.1726	-0.0835	-0.2561	0.0085	0.0055	0	0
06/07/2017	3.0222%	-0.1850	-0.0831	-0.2681	0.0145	0.0090	0	0
07/07/2017	3.1611%	-0.1913	-0.0824	-0.2736	0.0350	0.0320	0	0
10/07/2017	2.9896%	-0.1777	-0.0806	-0.2583	0.0610	0.0580	0	0
11/07/2017	3.1801%	-0.1812	-0.0776	-0.2588	0.0260	0.0200	0	0
12/07/2017	2.6379%	-0.1493	-0.0763	-0.2256	-0.0785	-0.0815	0	0
13/07/2017	2.0517%	-0.1235	-0.0802	-0.2037	-0.0725	-0.0780	0	0
14/07/2017	2.1518%	-0.1351	-0.0838	-0.2189	-0.0170	-0.0200	0	0
17/07/2017	2.1832%	-0.1383	-0.0846	-0.2230	-0.0290	-0.0320	0	0
18/07/2017	2.1666%	-0.1397	-0.0861	-0.2258	-0.0350	-0.0380	0	0
19/07/2017	2.3327%	-0.1529	-0.0878	-0.2408	0.0000	-0.0030	0	0

20/07/2017	2.4533%	-0.1605	-0.0878	-0.2483	-0.0230	-0.0490	0	0
21/07/2017	2.5950%	-0.1715	-0.0890	-0.2605	0.0230	0.0200	0	0
24/07/2017	2.8189%	-0.1831	-0.0878	-0.2709	0.0060	0.0030	0	0
25/07/2017	2.7755%	-0.1798	-0.0875	-0.2674	-0.0520	-0.0550	0	0
26/07/2017	3.0254%	-0.2008	-0.0901	-0.2910	0.0055	0.0025	0	0
27/07/2017	2.4377%	-0.1632	-0.0898	-0.2530	0.0865	0.0840	0	0
31/07/2017	2.4830%	-0.1581	-0.0855	-0.2436	-0.0345	-0.0375	0	0
01/08/2017	2.4856%	-0.1614	-0.0873	-0.2487	-0.0405	-0.0430	0	0
02/08/2017	2.6809%	-0.1775	-0.0893	-0.2667	0.0120	0.0090	0	0
03/08/2017	2.8232%	-0.1851	-0.0887	-0.2738	-0.0295	-0.0325	0	0
04/08/2017	2.4548%	-0.1648	-0.0901	-0.2549	-0.0755	-0.0900	0	0
07/08/2017	2.6599%	-0.1853	-0.0939	-0.2792	-0.0055	-0.0085	0	0
08/08/2017	2.8659%	-0.1994	-0.0942	-0.2936	0.0175	0.0090	0	0
09/08/2017	3.0813%	-0.2116	-0.0933	-0.3049	-0.0230	-0.0260	0	0
10/08/2017	2.1839%	-0.1544	-0.0945	-0.2489	0.1040	0.1010	0	0
11/08/2017	2.1203%	-0.1419	-0.0893	-0.2311	-0.0405	-0.0435	0	0
14/08/2017	2.1638%	-0.1479	-0.0913	-0.2392	-0.0290	-0.0315	0	0
15/08/2017	2.3125%	-0.1601	-0.0927	-0.2529	-0.0115	-0.0140	0	0
16/08/2017	1.8678%	-0.1313	-0.0933	-0.2246	-0.0695	-0.0725	0	0
17/08/2017	1.8892%	-0.1376	-0.0968	-0.2344	0.0260	0.0175	0	0
18/08/2017	1.9116%	-0.1373	-0.0955	-0.2328	-0.0265	-0.0320	0	0
21/08/2017	2.0213%	-0.1469	-0.0968	-0.2437	-0.0110	-0.0140	0	0
22/08/2017	2.1135%	-0.1542	-0.0973	-0.2515	0.0200	0.0170	0	0
23/08/2017	1.9638%	-0.1422	-0.0963	-0.2386	-0.0490	-0.0550	0	0
24/08/2017	1.9396%	-0.1441	-0.0988	-0.2429	0.0345	0.0315	0	0
25/08/2017	1.8763%	-0.1371	-0.0971	-0.2342	0.0370	0.0345	0	0
28/08/2017	1.8964%	-0.1359	-0.0952	-0.2311	0.0260	0.0235	0	0
29/08/2017	1.7808%	-0.1262	-0.0939	-0.2201	0.0390	0.0365	0	0
31/08/2017	1.8454%	-0.1279	-0.0920	-0.2199	0.0155	0.0100	0	0
01/09/2017	1.9429%	-0.1333	-0.0912	-0.2245	0.0105	0.0055	0	0
04/09/2017	1.8945%	-0.1293	-0.0907	-0.2200	-0.0340	-0.0395	0	0
05/09/2017	1.9513%	-0.1356	-0.0924	-0.2279	-0.0210	-0.0235	0	0
06/09/2017	2.0468%	-0.1435	-0.0934	-0.2370	0.0160	0.0135	0	0
07/09/2017	2.1339%	-0.1481	-0.0926	-0.2407	-0.0210	-0.0235	0	0
08/09/2017	2.2622%	-0.1584	-0.0937	-0.2521	-0.0160	-0.0185	0	0
11/09/2017	2.4295%	-0.1710	-0.0945	-0.2655	0.0105	0.0080	0	0
12/09/2017	2.6077%	-0.1819	-0.0940	-0.2759	-0.0155	-0.0235	0	0
13/09/2017	2.7952%	-0.1959	-0.0947	-0.2906	-0.0205	-0.0230	0	0
14/09/2017	2.9895%	-0.2110	-0.0957	-0.3067	0.0255	0.0175	0	0
15/09/2017	1.5994%	-0.1144	-0.0945	-0.2089	0.1150	0.1125	0	0
18/09/2017	1.6517%	-0.1109	-0.0888	-0.1996	-0.0100	-0.0125	0	0
19/09/2017	1.7226%	-0.1161	-0.0893	-0.2054	0.0075	0.0050	0	0
20/09/2017	1.7131%	-0.1150	-0.0889	-0.2039	0.0235	0.0185	0	0
21/09/2017	1.8044%	-0.1193	-0.0877	-0.2070	0.0025	-0.0050	0	0
22/09/2017	1.7828%	-0.1178	-0.0876	-0.2054	0.0265	0.0215	0	0
25/09/2017	1.8240%	-0.1186	-0.0863	-0.2049	-0.0185	-0.0290	0	0

26/09/2017	1.9055%	-0.1250	-0.0872	-0.2122	0.0130	0.0100	0	0
27/09/2017	2.0296%	-0.1319	-0.0865	-0.2184	-0.0025	-0.0075	0	0
28/09/2017	2.1045%	-0.1367	-0.0867	-0.2234	-0.0210	-0.0235	0	0
29/09/2017	2.2516%	-0.1476	-0.0877	-0.2353	0.0080	0.0055	0	0
02/10/2017	2.0490%	-0.1343	-0.0873	-0.2216	0.0495	0.0440	0	0
04/10/2017	2.1229%	-0.1350	-0.0848	-0.2198	0.0210	0.0130	0	0
05/10/2017	2.0918%	-0.1315	-0.0838	-0.2153	-0.0340	-0.0370	0	0
06/10/2017	1.4583%	-0.0946	-0.0855	-0.1801	-0.0655	-0.0705	0	0
09/10/2017	1.4888%	-0.1002	-0.0888	-0.1890	-0.0080	-0.0105	0	0
10/10/2017	1.5381%	-0.1039	-0.0892	-0.1931	-0.0025	-0.0130	0	0
11/10/2017	1.5760%	-0.1066	-0.0893	-0.1958	-0.0105	-0.0235	0	0
12/10/2017	1.6386%	-0.1113	-0.0898	-0.2011	-0.0050	-0.0075	0	0
13/10/2017	1.7121%	-0.1165	-0.0900	-0.2065	0.0055	0.0030	0	0
16/10/2017	1.7739%	-0.1201	-0.0898	-0.2099	0.0130	-0.0050	0	0
17/10/2017	1.7280%	-0.1163	-0.0891	-0.2054	0.0285	0.0235	0	0
18/10/2017	1.7749%	-0.1175	-0.0877	-0.2052	0.0160	0.0135	0	0
19/10/2017	1.8665%	-0.1222	-0.0869	-0.2091	0.0080	0.0055	0	0
20/10/2017	1.7366%	-0.1134	-0.0865	-0.1999	-0.0370	-0.0475	0	0
23/10/2017	1.7743%	-0.1183	-0.0884	-0.2066	-0.0180	-0.0285	0	0
24/10/2017	1.8352%	-0.1234	-0.0893	-0.2127	0.0155	0.0130	0	0
25/10/2017	1.7461%	-0.1166	-0.0885	-0.2051	-0.0340	-0.0370	0	0
26/10/2017	1.6373%	-0.1117	-0.0902	-0.2019	-0.0340	-0.0390	0	0
27/10/2017	1.7162%	-0.1191	-0.0919	-0.2109	0.0000	-0.0030	0	0
30/10/2017	1.8081%	-0.1252	-0.0919	-0.2171	0.0025	-0.0005	0	0
31/10/2017	1.8785%	-0.1298	-0.0917	-0.2215	-0.0155	-0.0210	0	0
02/11/2017	1.9895%	-0.1383	-0.0925	-0.2308	-0.0080	-0.0130	0	0
03/11/2017	2.1125%	-0.1471	-0.0929	-0.2400	0.0105	0.0025	0	0
06/11/2017	2.1407%	-0.1482	-0.0924	-0.2406	-0.0310	-0.0335	0	0
07/11/2017	2.1283%	-0.1498	-0.0939	-0.2437	0.0360	0.0335	0	0
08/11/2017	2.2327%	-0.1538	-0.0921	-0.2460	-0.0205	-0.0230	0	0
09/11/2017	2.1103%	-0.1474	-0.0932	-0.2405	0.0470	0.0440	0	0
10/11/2017	2.2083%	-0.1501	-0.0908	-0.2409	0.0205	0.0175	0	0
13/11/2017	2.3242%	-0.1558	-0.0898	-0.2456	-0.0205	-0.0230	0	0
14/11/2017	1.6872%	-0.1158	-0.0908	-0.2066	-0.0760	-0.0790	0	0
15/11/2017	1.7221%	-0.1230	-0.0946	-0.2176	-0.0180	-0.0230	0	0
16/11/2017	1.7487%	-0.1261	-0.0955	-0.2216	0.0205	0.0175	0	0
17/11/2017	1.7762%	-0.1266	-0.0945	-0.2211	0.0210	0.0185	0	0
20/11/2017	1.8749%	-0.1319	-0.0934	-0.2253	0.0055	0.0030	0	0
21/11/2017	1.9118%	-0.1340	-0.0932	-0.2272	-0.0235	-0.0265	0	0
22/11/2017	1.7753%	-0.1263	-0.0943	-0.2207	-0.0420	-0.0475	0	0
23/11/2017	1.8690%	-0.1357	-0.0964	-0.2321	0.0080	0.0025	0	0
24/11/2017	1.9873%	-0.1434	-0.0960	-0.2394	0.0025	0.0000	0	0
27/11/2017	2.1029%	-0.1512	-0.0959	-0.2471	0.0130	0.0080	0	0
28/11/2017	2.2291%	-0.1588	-0.0952	-0.2540	-0.0155	-0.0235	0	0
29/11/2017	2.2471%	-0.1613	-0.0960	-0.2573	-0.0365	-0.0390	0	0
30/11/2017	2.3776%	-0.1735	-0.0978	-0.2713	0.0205	0.0175	0	0

01/12/2017	2.2515%	-0.1630	-0.0968	-0.2598	0.0525	0.0500	0	0
04/12/2017	2.4012%	-0.1686	-0.0942	-0.2628	0.0155	0.0125	0	0
05/12/2017	2.2146%	-0.1548	-0.0934	-0.2482	-0.0570	-0.0595	0	0
06/12/2017	2.0511%	-0.1482	-0.0963	-0.2445	-0.0525	-0.0550	0	0
07/12/2017	2.0626%	-0.1530	-0.0989	-0.2519	-0.0335	-0.0365	0	0
11/12/2017	2.1711%	-0.1635	-0.1005	-0.2640	-0.0190	-0.0295	0	0
12/12/2017	2.3378%	-0.1771	-0.1015	-0.2786	0.0000	-0.0025	0	0
13/12/2017	2.5195%	-0.1902	-0.1015	-0.2917	-0.0100	-0.0125	0	0
14/12/2017	2.5686%	-0.1947	-0.1020	-0.2967	0.0420	0.0395	0	0
15/12/2017	2.3977%	-0.1786	-0.0999	-0.2785	0.0620	0.0595	0	0
18/12/2017	1.6389%	-0.1200	-0.0968	-0.2168	0.0840	0.0815	0	0
19/12/2017	1.5935%	-0.1118	-0.0926	-0.2044	0.0260	0.0185	0	0
20/12/2017	1.6643%	-0.1149	-0.0913	-0.2063	0.0000	-0.0025	0	0
21/12/2017	1.7283%	-0.1192	-0.0913	-0.2106	0.0105	0.0080	0	0
22/12/2017	1.8043%	-0.1236	-0.0908	-0.2144	0.0105	0.0075	0	0
26/12/2017	1.9076%	-0.1296	-0.0903	-0.2199	-0.0055	-0.0080	0	0
27/12/2017	1.7689%	-0.1209	-0.0906	-0.2115	0.0395	0.0315	0	0
28/12/2017	1.8106%	-0.1210	-0.0886	-0.2096	-0.0185	-0.0240	0	0
03/01/2018	1.7486%	-0.1182	-0.0895	-0.2077	-0.0315	-0.0345	0	0
04/01/2018	1.8431%	-0.1265	-0.0911	-0.2176	-0.0050	-0.0075	0	0
05/01/2018	1.7062%	-0.1177	-0.0913	-0.2091	-0.0390	-0.0415	0	0
08/01/2018	1.6551%	-0.1168	-0.0933	-0.2100	-0.0290	-0.0345	0	0
09/01/2018	1.7279%	-0.1236	-0.0947	-0.2183	-0.0075	-0.0100	0	0
10/01/2018	1.6889%	-0.1214	-0.0951	-0.2165	0.0285	0.0235	0	0
11/01/2018	1.6348%	-0.1159	-0.0937	-0.2095	0.0285	0.0260	0	0
12/01/2018	1.7121%	-0.1193	-0.0923	-0.2116	0.0025	-0.0025	0	0
15/01/2018	1.7276%	-0.1202	-0.0921	-0.2123	0.0210	0.0185	0	0
16/01/2018	1.6236%	-0.1119	-0.0911	-0.2030	-0.0335	-0.0360	0	0
17/01/2018	1.6887%	-0.1184	-0.0928	-0.2111	-0.0080	-0.0130	0	0
18/01/2018	1.7717%	-0.1245	-0.0932	-0.2177	-0.0055	-0.0085	0	0
19/01/2018	1.8332%	-0.1291	-0.0934	-0.2225	0.0160	0.0135	0	0
22/01/2018	1.8761%	-0.1309	-0.0926	-0.2235	0.0210	0.0135	0	0
23/01/2018	1.9569%	-0.1348	-0.0916	-0.2263	-0.0160	-0.0185	0	0
24/01/2018	2.0759%	-0.1439	-0.0924	-0.2362	-0.0100	-0.0125	0	0
25/01/2018	1.8328%	-0.1283	-0.0929	-0.2212	-0.0525	-0.0550	0	0
26/01/2018	1.9297%	-0.1386	-0.0955	-0.2341	0.0105	0.0075	0	0
29/01/2018	1.9972%	-0.1425	-0.0950	-0.2375	-0.0210	-0.0235	0	0
30/01/2018	2.1362%	-0.1537	-0.0960	-0.2497	-0.0025	-0.0050	0	0
31/01/2018	2.2680%	-0.1630	-0.0961	-0.2591	0.0155	0.0105	0	0
01/02/2018	2.4486%	-0.1739	-0.0954	-0.2693	-0.0025	-0.0130	0	0
06/02/2018	2.4154%	-0.1719	-0.0955	-0.2674	-0.0470	-0.0550	0	0
07/02/2018	2.3251%	-0.1698	-0.0978	-0.2677	-0.0525	-0.0555	0	0
08/02/2018	1.9685%	-0.1486	-0.1004	-0.2491	0.0680	0.0655	0	0
09/02/2018	1.9680%	-0.1436	-0.0971	-0.2407	0.0315	0.0290	0	0
13/02/2018	2.0088%	-0.1441	-0.0955	-0.2396	0.0260	0.0230	0	0
20/02/2018	2.0518%	-0.1451	-0.0942	-0.2393	0.0265	0.0235	0	0

21/02/2018	2.1962%	-0.1527	-0.0929	-0.2456	-0.0055	-0.0080	0	0
22/02/2018	2.3528%	-0.1635	-0.0932	-0.2567	0.0105	0.0075	0	0
28/02/2018	2.3805%	-0.1645	-0.0926	-0.2571	0.0365	0.0340	0	0
01/03/2018	2.5648%	-0.1731	-0.0908	-0.2639	0.0105	0.0075	0	0
02/03/2018	2.6298%	-0.1763	-0.0903	-0.2665	0.0365	0.0340	0	0
05/03/2018	2.8629%	-0.1872	-0.0885	-0.2757	0.0000	-0.0030	0	0
06/03/2018	3.1026%	-0.2019	-0.0885	-0.2904	-0.0155	-0.0185	0	0
07/03/2018	2.6323%	-0.1744	-0.0893	-0.2636	-0.0865	-0.0890	0	0
08/03/2018	2.6487%	-0.1839	-0.0936	-0.2774	0.0445	0.0395	0	0
09/03/2018	2.5169%	-0.1710	-0.0913	-0.2623	-0.0575	-0.0600	0	0
12/03/2018	2.1188%	-0.1496	-0.0942	-0.2438	-0.0730	-0.0760	0	0
13/03/2018	2.0059%	-0.1474	-0.0978	-0.2452	-0.0470	-0.0500	0	0
14/03/2018	2.1394%	-0.1606	-0.1002	-0.2607	0.0080	0.0050	0	0
15/03/2018	2.1193%	-0.1585	-0.0998	-0.2583	0.0390	0.0340	0	0
16/03/2018	2.2650%	-0.1656	-0.0978	-0.2635	0.0105	0.0025	0	0
19/03/2018	2.2912%	-0.1666	-0.0973	-0.2639	-0.0370	-0.0395	0	0
20/03/2018	2.4759%	-0.1828	-0.0992	-0.2819	0.0000	-0.0025	0	0
21/03/2018	2.5563%	-0.1884	-0.0992	-0.2875	-0.0365	-0.0390	0	0
22/03/2018	2.7555%	-0.2060	-0.1010	-0.3070	0.0160	0.0080	0	0
23/03/2018	2.8753%	-0.2128	-0.1002	-0.3130	-0.0390	-0.0520	0	0
26/03/2018	2.7950%	-0.2112	-0.1021	-0.3133	-0.0655	-0.0705	0	0
27/03/2018	2.8531%	-0.2222	-0.1054	-0.3276	0.0495	0.0470	0	0
28/03/2018	2.3828%	-0.1829	-0.1029	-0.2858	0.0890	0.0840	0	0
02/04/2018	2.5751%	-0.1884	-0.0985	-0.2869	0.0075	0.0025	0	0
03/04/2018	2.6855%	-0.1953	-0.0981	-0.2935	0.0340	0.0315	0	0
04/04/2018	2.4690%	-0.1772	-0.0964	-0.2737	0.0655	0.0600	0	0
05/04/2018	2.5688%	-0.1778	-0.0932	-0.2710	-0.0315	-0.0345	0	0
06/04/2018	2.6942%	-0.1892	-0.0947	-0.2839	-0.0310	-0.0335	0	0
09/04/2018	2.4393%	-0.1749	-0.0963	-0.2712	0.0680	0.0655	0	0
10/04/2018	2.6166%	-0.1804	-0.0929	-0.2733	-0.0160	-0.0185	0	0
11/04/2018	2.8119%	-0.1948	-0.0937	-0.2885	0.0185	0.0160	0	0
12/04/2018	3.0379%	-0.2075	-0.0928	-0.3003	0.0180	0.0130	0	0
16/04/2018	3.2643%	-0.2199	-0.0919	-0.3118	-0.0260	-0.0290	0	0
17/04/2018	3.5681%	-0.2423	-0.0932	-0.3355	0.0130	0.0050	0	0
18/04/2018	3.7695%	-0.2533	-0.0925	-0.3458	0.0440	0.0390	0	0
19/04/2018	3.9511%	-0.2583	-0.0903	-0.3486	0.0500	0.0370	0	0
20/04/2018	4.3315%	-0.2734	-0.0878	-0.3612	-0.0180	-0.0230	0	0
23/04/2018	4.7021%	-0.2977	-0.0887	-0.3865	0.0340	0.0260	0	0
24/04/2018	2.3440%	-0.1523	-0.0870	-0.2393	0.1690	0.1430	0	0
25/04/2018	2.1662%	-0.1275	-0.0786	-0.2062	0.0450	0.0320	0	0
26/04/2018	2.3311%	-0.1329	-0.0764	-0.2093	0.0025	-0.0025	0	0
27/04/2018	2.3714%	-0.1349	-0.0763	-0.2112	0.0285	0.0210	0	0
30/04/2018	2.3928%	-0.1335	-0.0748	-0.2084	-0.0310	-0.0360	0	0
02/05/2018	2.3478%	-0.1338	-0.0764	-0.2102	0.0365	0.0315	0	0
03/05/2018	2.2373%	-0.1248	-0.0746	-0.1993	0.0390	0.0335	0	0
04/05/2018	2.4140%	-0.1307	-0.0726	-0.2033	0.0000	-0.0025	0	0

07/05/2018	2.5129%	-0.1358	-0.0726	-0.2084	-0.0235	-0.0260	0	0
08/05/2018	1.7873%	-0.0995	-0.0738	-0.1733	0.0655	0.0605	0	0
09/05/2018	1.8915%	-0.1004	-0.0705	-0.1710	0.0020	-0.0005	0	0
10/05/2018	1.7546%	-0.0933	-0.0704	-0.1637	-0.0310	-0.0415	0	0
11/05/2018	1.8544%	-0.1006	-0.0720	-0.1725	0.0000	-0.0055	0	0
14/05/2018	1.9274%	-0.1044	-0.0720	-0.1764	0.0130	0.0075	0	0
15/05/2018	2.0401%	-0.1092	-0.0713	-0.1806	0.0080	0.0055	0	0
16/05/2018	1.8062%	-0.0966	-0.0709	-0.1676	-0.0390	-0.0445	0	0
17/05/2018	1.8864%	-0.1035	-0.0729	-0.1764	0.0105	0.0080	0	0
18/05/2018	2.0068%	-0.1091	-0.0724	-0.1814	0.0025	-0.0055	0	0
21/05/2018	1.8555%	-0.1010	-0.0722	-0.1732	0.0340	0.0285	0	0
22/05/2018	1.8508%	-0.0984	-0.0705	-0.1689	0.0210	0.0185	0	0
23/05/2018	1.9668%	-0.1027	-0.0695	-0.1722	-0.0005	-0.0030	0	0
24/05/2018	2.0391%	-0.1064	-0.0695	-0.1759	0.0155	0.0025	0	0
25/05/2018	1.9364%	-0.1001	-0.0687	-0.1689	-0.0310	-0.0335	0	0
28/05/2018	2.0015%	-0.1057	-0.0703	-0.1760	-0.0160	-0.0185	0	0
29/05/2018	2.1127%	-0.1126	-0.0711	-0.1837	0.0110	0.0085	0	0
30/05/2018	2.2144%	-0.1169	-0.0705	-0.1874	0.0155	0.0130	0	0
31/05/2018	2.2638%	-0.1181	-0.0698	-0.1878	-0.0235	-0.0315	0	0
01/06/2018	2.1109%	-0.1123	-0.0709	-0.1832	-0.0390	-0.0495	0	0
05/06/2018	2.2632%	-0.1233	-0.0729	-0.1962	0.0050	0.0025	0	0
06/06/2018	2.3068%	-0.1251	-0.0726	-0.1978	-0.0260	-0.0285	0	0
07/06/2018	2.4891%	-0.1369	-0.0739	-0.2109	-0.0050	-0.0075	0	0
08/06/2018	2.6274%	-0.1447	-0.0742	-0.2188	0.0205	0.0180	0	0
11/06/2018	1.8712%	-0.1031	-0.0732	-0.1762	0.0680	0.0600	0	0
12/06/2018	1.9827%	-0.1039	-0.0698	-0.1737	-0.0055	-0.0085	0	0
14/06/2018	2.1202%	-0.1113	-0.0700	-0.1813	0.0000	-0.0025	0	0
15/06/2018	2.1734%	-0.1140	-0.0700	-0.1840	0.0210	0.0185	0	0
18/06/2018	2.2797%	-0.1175	-0.0690	-0.1865	0.0160	0.0135	0	0
19/06/2018	2.4217%	-0.1231	-0.0682	-0.1913	-0.0135	-0.0160	0	0
20/06/2018	2.5757%	-0.1318	-0.0689	-0.2007	-0.0155	-0.0205	0	0
21/06/2018	2.6329%	-0.1361	-0.0696	-0.2057	0.0290	0.0235	0	0
22/06/2018	2.8647%	-0.1444	-0.0682	-0.2126	-0.0030	-0.0055	0	0
25/06/2018	3.0104%	-0.1516	-0.0684	-0.2200	-0.0260	-0.0315	0	0
26/06/2018	3.2031%	-0.1638	-0.0696	-0.2334	0.0235	0.0180	0	0
27/06/2018	3.0408%	-0.1533	-0.0685	-0.2218	0.0520	0.0490	0	0
28/06/2018	3.3096%	-0.1598	-0.0659	-0.2257	0.0105	0.0025	0	0
02/07/2018	3.6334%	-0.1729	-0.0654	-0.2383	0.0000	-0.0025	0	0
03/07/2018	2.8405%	-0.1373	-0.0654	-0.2026	0.0785	0.0760	0	0
04/07/2018	3.0957%	-0.1400	-0.0615	-0.2014	-0.0055	-0.0085	0	0
05/07/2018	3.3718%	-0.1523	-0.0617	-0.2141	-0.0100	-0.0125	0	0
06/07/2018	3.0825%	-0.1412	-0.0622	-0.2034	-0.0575	-0.0600	0	0
09/07/2018	3.3756%	-0.1608	-0.0651	-0.2259	-0.0025	-0.0105	0	0
10/07/2018	3.5707%	-0.1698	-0.0652	-0.2350	-0.0290	-0.0345	0	0
11/07/2018	3.8895%	-0.1879	-0.0667	-0.2545	0.0160	0.0135	0	0
12/07/2018	4.2869%	-0.2031	-0.0659	-0.2689	-0.0005	-0.0030	0	0

13/07/2018	4.5441%	-0.2143	-0.0659	-0.2802	-0.0390	-0.0470	0	0
16/07/2018	4.6203%	-0.2240	-0.0678	-0.2918	0.0575	0.0525	0	0
17/07/2018	4.3110%	-0.2013	-0.0650	-0.2663	0.0760	0.0705	0	0
18/07/2018	4.7593%	-0.2076	-0.0612	-0.2688	-0.0030	-0.0055	0	0
19/07/2018	3.5488%	-0.1587	-0.0613	-0.2201	-0.1095	-0.1150	0	0
20/07/2018	3.3520%	-0.1639	-0.0668	-0.2307	0.0575	0.0525	0	0
23/07/2018	3.0915%	-0.1454	-0.0639	-0.2093	0.0550	0.0495	0	0
24/07/2018	2.9216%	-0.1319	-0.0612	-0.1931	-0.0470	-0.0495	0	0
25/07/2018	2.3942%	-0.1134	-0.0635	-0.1769	-0.0605	-0.0630	0	0
26/07/2018	2.3347%	-0.1159	-0.0665	-0.1825	-0.0335	-0.0385	0	0
27/07/2018	2.4696%	-0.1254	-0.0682	-0.1936	-0.0160	-0.0185	0	0
30/07/2018	2.6751%	-0.1369	-0.0690	-0.2059	-0.0050	-0.0075	0	0
31/07/2018	2.8330%	-0.1450	-0.0692	-0.2143	-0.0210	-0.0235	0	0
01/08/2018	3.0526%	-0.1580	-0.0703	-0.2283	0.0155	0.0130	0	0
02/08/2018	3.3250%	-0.1693	-0.0695	-0.2388	0.0105	-0.0025	0	0
03/08/2018	3.6154%	-0.1817	-0.0690	-0.2507	-0.0155	-0.0180	0	0
06/08/2018	3.9211%	-0.1981	-0.0698	-0.2679	0.0205	0.0175	0	0
07/08/2018	4.1597%	-0.2062	-0.0687	-0.2749	-0.0360	-0.0385	0	0
08/08/2018	4.3856%	-0.2221	-0.0705	-0.2926	0.0415	0.0390	0	0
09/08/2018	2.9040%	-0.1468	-0.0685	-0.2153	0.1120	0.1040	0	0
10/08/2018	3.1364%	-0.1450	-0.0629	-0.2079	0.0135	0.0085	0	0
13/08/2018	3.4328%	-0.1561	-0.0622	-0.2184	0.0050	0.0025	0	0
14/08/2018	3.1710%	-0.1444	-0.0620	-0.2064	-0.0570	-0.0595	0	0
15/08/2018	3.1551%	-0.1503	-0.0648	-0.2151	0.0410	0.0385	0	0
16/08/2018	3.3310%	-0.1531	-0.0628	-0.2159	-0.0260	-0.0285	0	0
17/08/2018	3.6465%	-0.1701	-0.0641	-0.2342	0.0080	0.0055	0	0
20/08/2018	3.9300%	-0.1812	-0.0637	-0.2449	-0.0230	-0.0285	0	0
21/08/2018	4.1905%	-0.1957	-0.0648	-0.2605	0.0310	0.0285	0	0
22/08/2018	4.3227%	-0.1966	-0.0633	-0.2599	0.0450	0.0425	0	0
23/08/2018	4.7731%	-0.2076	-0.0610	-0.2687	-0.0020	-0.0065	0	0
24/08/2018	5.2697%	-0.2275	-0.0611	-0.2886	-0.0085	-0.0150	0	0
27/08/2018	5.6634%	-0.2443	-0.0616	-0.3059	0.0375	0.0355	0	0
28/08/2018	5.9924%	-0.2492	-0.0597	-0.3088	-0.0500	-0.0605	0	0
29/08/2018	5.9269%	-0.2570	-0.0622	-0.3192	0.0795	0.0770	0	0
31/08/2018	6.5203%	-0.2618	-0.0582	-0.3201	-0.0210	-0.0230	0	0
03/09/2018	4.3259%	-0.1843	-0.0593	-0.2435	0.1420	0.1400	0	0
04/09/2018	4.7221%	-0.1758	-0.0522	-0.2280	0.0165	0.0105	0	0
05/09/2018	3.9250%	-0.1460	-0.0514	-0.1974	0.0750	0.0725	0	0
06/09/2018	3.5494%	-0.1234	-0.0476	-0.1710	0.0505	0.0480	0	0
07/09/2018	3.2830%	-0.1086	-0.0451	-0.1538	0.0410	0.0390	0	0
10/09/2018	3.6035%	-0.1131	-0.0431	-0.1562	0.0000	-0.0020	0	0
11/09/2018	3.3250%	-0.1050	-0.0431	-0.1481	0.0400	0.0380	0	0
12/09/2018	3.6492%	-0.1092	-0.0411	-0.1503	0.0020	-0.0020	0	0
13/09/2018	3.9572%	-0.1174	-0.0410	-0.1584	-0.0125	-0.0145	0	0
14/09/2018	4.3381%	-0.1298	-0.0416	-0.1714	0.0085	0.0060	0	0
17/09/2018	3.9728%	-0.1184	-0.0412	-0.1596	-0.0500	-0.0520	0	0

18/09/2018	4.3606%	-0.1368	-0.0437	-0.1805	0.0080	0.0060	0	0
19/09/2018	4.8163%	-0.1485	-0.0433	-0.1918	0.0000	-0.0020	0	0
20/09/2018	4.8839%	-0.1504	-0.0433	-0.1937	-0.0415	-0.0435	0	0
21/09/2018	5.2756%	-0.1689	-0.0454	-0.2143	0.0230	0.0205	0	0
24/09/2018	5.7950%	-0.1791	-0.0442	-0.2233	-0.0145	-0.0190	0	0
25/09/2018	6.4200%	-0.1994	-0.0449	-0.2443	0.0040	0.0020	0	0
26/09/2018	7.1104%	-0.2170	-0.0447	-0.2618	-0.0080	-0.0140	0	0
27/09/2018	6.0166%	-0.1891	-0.0451	-0.2342	0.0960	0.0940	0	0
28/09/2018	6.6314%	-0.1842	-0.0404	-0.2246	-0.0130	-0.0150	0	0
01/10/2018	6.7630%	-0.1904	-0.0410	-0.2314	-0.0540	-0.0600	0	0
02/10/2018	6.9111%	-0.2068	-0.0437	-0.2505	0.0545	0.0525	0	0
03/10/2018	6.1569%	-0.1752	-0.0410	-0.2162	0.0785	0.0680	0	0
04/10/2018	6.1764%	-0.1590	-0.0371	-0.1960	0.0460	0.0440	0	0
05/10/2018	6.5605%	-0.1573	-0.0348	-0.1921	0.0295	0.0275	0	0
09/10/2018	6.6665%	-0.1528	-0.0333	-0.1861	0.0415	0.0390	0	0
10/10/2018	5.3080%	-0.1170	-0.0313	-0.1483	-0.0750	-0.0810	0	0
11/10/2018	5.4927%	-0.1351	-0.0350	-0.1701	0.0315	0.0295	0	0
12/10/2018	5.0795%	-0.1203	-0.0334	-0.1537	0.0475	0.0430	0	0
15/10/2018	5.1690%	-0.1135	-0.0311	-0.1446	0.0295	0.0275	0	0
16/10/2018	5.7226%	-0.1185	-0.0296	-0.1481	0.0000	-0.0025	0	0
17/10/2018	4.6162%	-0.0976	-0.0296	-0.1272	0.0540	0.0475	0	0
18/10/2018	5.0268%	-0.0959	-0.0269	-0.1228	-0.0105	-0.0170	0	0
19/10/2018	5.4186%	-0.1046	-0.0274	-0.1320	0.0150	0.0110	0	0
22/10/2018	4.7050%	-0.0896	-0.0267	-0.1162	0.0420	0.0400	0	0
23/10/2018	5.1975%	-0.0903	-0.0246	-0.1149	-0.0025	-0.0045	0	0
24/10/2018	3.6603%	-0.0658	-0.0247	-0.0905	0.0460	0.0415	0	0
25/10/2018	4.0211%	-0.0652	-0.0224	-0.0876	-0.0025	-0.0070	0	0
26/10/2018	4.3855%	-0.0710	-0.0225	-0.0935	0.0065	0.0045	0	0
29/10/2018	4.4754%	-0.0713	-0.0222	-0.0935	-0.0185	-0.0230	0	0
30/10/2018	3.1803%	-0.0541	-0.0231	-0.0772	0.0370	0.0350	0	0
31/10/2018	3.3496%	-0.0522	-0.0213	-0.0735	0.0090	0.0070	0	0
02/11/2018	3.5093%	-0.0534	-0.0209	-0.0743	0.0100	0.0080	0	0
05/11/2018	3.8010%	-0.0562	-0.0204	-0.0765	-0.0060	-0.0100	0	0
06/11/2018	2.5669%	-0.0394	-0.0207	-0.0600	0.0290	0.0270	0	0
07/11/2018	2.7912%	-0.0397	-0.0192	-0.0589	0.0000	-0.0020	0	0
08/11/2018	2.9460%	-0.0417	-0.0192	-0.0610	0.0065	0.0045	0	0
09/11/2018	3.1274%	-0.0434	-0.0189	-0.0623	-0.0065	-0.0150	0	0
12/11/2018	2.2849%	-0.0328	-0.0192	-0.0520	0.0210	0.0190	0	0
13/11/2018	2.4168%	-0.0327	-0.0182	-0.0509	0.0040	0.0020	0	0
14/11/2018	2.6198%	-0.0349	-0.0180	-0.0529	0.0000	-0.0020	0	0
15/11/2018	2.7503%	-0.0366	-0.0180	-0.0546	-0.0060	-0.0080	0	0
16/11/2018	2.1733%	-0.0297	-0.0183	-0.0480	-0.0170	-0.0210	0	0
19/11/2018	2.2921%	-0.0327	-0.0191	-0.0518	-0.0040	-0.0080	0	0
20/11/2018	2.0095%	-0.0291	-0.0193	-0.0485	-0.0125	-0.0165	0	0
21/11/2018	1.7976%	-0.0270	-0.0199	-0.0469	-0.0105	-0.0150	0	0
22/11/2018	1.8917%	-0.0291	-0.0205	-0.0496	0.0020	0.0000	0	0

23/11/2018	1.9501%	-0.0298	-0.0204	-0.0502	0.0045	0.0005	0	0
26/11/2018	1.9510%	-0.0295	-0.0201	-0.0497	-0.0065	-0.0110	0	0
27/11/2018	2.0715%	-0.0318	-0.0205	-0.0522	0.0020	0.0000	0	0
28/11/2018	2.1213%	-0.0324	-0.0204	-0.0527	-0.0060	-0.0100	0	0
29/11/2018	1.9572%	-0.0304	-0.0207	-0.0510	0.0105	0.0085	0	0
30/11/2018	2.0907%	-0.0316	-0.0201	-0.0517	0.0000	-0.0045	0	0
03/12/2018	2.2452%	-0.0338	-0.0201	-0.0539	0.0000	-0.0045	0	0
04/12/2018	2.4125%	-0.0362	-0.0201	-0.0563	0.0020	-0.0025	0	0
05/12/2018	2.5640%	-0.0382	-0.0200	-0.0582	0.0045	0.0020	0	0
06/12/2018	2.4943%	-0.0368	-0.0198	-0.0566	-0.0110	-0.0130	0	0
07/12/2018	2.6991%	-0.0407	-0.0204	-0.0611	0.0020	-0.0020	0	0
10/12/2018	2.9283%	-0.0438	-0.0203	-0.0640	0.0025	0.0005	0	0
11/12/2018	2.7338%	-0.0408	-0.0201	-0.0609	0.0145	0.0100	0	0
12/12/2018	2.8139%	-0.0404	-0.0194	-0.0598	-0.0085	-0.0105	0	0
13/12/2018	2.3893%	-0.0353	-0.0198	-0.0552	0.0165	0.0100	0	0
14/12/2018	2.5883%	-0.0365	-0.0190	-0.0556	0.0000	-0.0020	0	0
17/12/2018	2.7241%	-0.0384	-0.0190	-0.0574	-0.0060	-0.0080	0	0
18/12/2018	2.5933%	-0.0372	-0.0193	-0.0565	-0.0125	-0.0165	0	0
19/12/2018	2.5617%	-0.0379	-0.0199	-0.0579	-0.0105	-0.0150	0	0
20/12/2018	2.4017%	-0.0366	-0.0205	-0.0571	0.0125	0.0105	0	0
21/12/2018	2.5503%	-0.0376	-0.0198	-0.0574	0.0045	-0.0020	0	0
24/12/2018	1.9909%	-0.0293	-0.0196	-0.0489	-0.0170	-0.0190	0	0
26/12/2018	2.0834%	-0.0320	-0.0205	-0.0524	-0.0040	-0.0060	0	0
27/12/2018	2.1934%	-0.0339	-0.0207	-0.0546	-0.0040	-0.0060	0	0
28/12/2018	2.3636%	-0.0368	-0.0209	-0.0576	0.0000	-0.0020	0	0
31/12/2018	2.5211%	-0.0391	-0.0209	-0.0599	0.0040	0.0020	0	0
02/01/2019	2.7030%	-0.0414	-0.0207	-0.0620	0.0040	0.0020	0	0
03/01/2019	2.8115%	-0.0425	-0.0205	-0.0630	-0.0080	-0.0100	0	0
04/01/2019	3.0575%	-0.0469	-0.0209	-0.0678	-0.0025	-0.0045	0	0
07/01/2019	2.0850%	-0.0328	-0.0210	-0.0538	0.0235	0.0190	0	0
08/01/2019	2.1789%	-0.0323	-0.0198	-0.0521	-0.0045	-0.0065	0	0
09/01/2019	2.2901%	-0.0343	-0.0200	-0.0543	0.0045	0.0020	0	0
10/01/2019	2.4208%	-0.0357	-0.0198	-0.0555	-0.0045	-0.0065	0	0
11/01/2019	2.6243%	-0.0390	-0.0200	-0.0590	0.0000	-0.0025	0	0
14/01/2019	2.8101%	-0.0416	-0.0200	-0.0617	0.0045	0.0020	0	0
15/01/2019	2.8930%	-0.0423	-0.0198	-0.0621	-0.0090	-0.0110	0	0
16/01/2019	3.1494%	-0.0469	-0.0203	-0.0671	0.0025	0.0005	0	0
17/01/2019	3.3748%	-0.0497	-0.0201	-0.0698	-0.0065	-0.0110	0	0
18/01/2019	3.6805%	-0.0548	-0.0205	-0.0752	-0.0040	-0.0060	0	0
21/01/2019	4.0275%	-0.0601	-0.0207	-0.0808	0.0040	0.0020	0	0
22/01/2019	4.0622%	-0.0600	-0.0205	-0.0805	-0.0165	-0.0185	0	0
23/01/2019	4.4344%	-0.0677	-0.0213	-0.0889	0.0060	-0.0005	0	0
24/01/2019	4.7138%	-0.0705	-0.0210	-0.0915	-0.0125	-0.0170	0	0
25/01/2019	4.9917%	-0.0765	-0.0216	-0.0981	-0.0145	-0.0185	0	0
28/01/2019	4.4514%	-0.0712	-0.0223	-0.0936	0.0310	0.0285	0	0
29/01/2019	4.2038%	-0.0629	-0.0208	-0.0837	-0.0240	-0.0295	0	0

30/01/2019	4.6262%	-0.0726	-0.0220	-0.0946	-0.0035	-0.0050	0	0
31/01/2019	5.0022%	-0.0786	-0.0221	-0.1007	-0.0105	-0.0125	0	0
01/02/2019	5.4978%	-0.0876	-0.0227	-0.1103	-0.0065	-0.0150	0	0
04/02/2019	5.1262%	-0.0834	-0.0230	-0.1064	-0.0345	-0.0365	0	0
05/02/2019	5.6746%	-0.0982	-0.0247	-0.1230	0.0000	-0.0015	0	0
06/02/2019	6.2550%	-0.1071	-0.0247	-0.1318	0.0070	0.0055	0	0
07/02/2019	5.8096%	-0.0989	-0.0244	-0.1233	0.0390	0.0375	0	0
08/02/2019	4.9513%	-0.0788	-0.0224	-0.1013	-0.0425	-0.0460	0	0
11/02/2019	5.4756%	-0.0945	-0.0245	-0.1190	-0.0020	-0.0040	0	0
12/02/2019	5.6152%	-0.0970	-0.0246	-0.1217	-0.0255	-0.0325	0	0
13/02/2019	6.2221%	-0.1118	-0.0259	-0.1377	0.0000	-0.0015	0	0
14/02/2019	6.7037%	-0.1194	-0.0259	-0.1453	-0.0190	-0.0205	0	0
15/02/2019	7.4047%	-0.1349	-0.0268	-0.1617	-0.0085	-0.0120	0	0
18/02/2019	7.8284%	-0.1437	-0.0273	-0.1710	-0.0310	-0.0330	0	0
19/02/2019	8.2091%	-0.1581	-0.0288	-0.1869	-0.0375	-0.0425	0	0
20/02/2019	8.8665%	-0.1797	-0.0307	-0.2103	-0.0295	-0.0310	0	0
21/02/2019	9.3752%	-0.1972	-0.0321	-0.2294	0.0415	0.0385	0	0
22/02/2019	9.8609%	-0.1924	-0.0301	-0.2225	0.0430	0.0395	0	0
25/02/2019	8.9990%	-0.1657	-0.0279	-0.1936	-0.0825	-0.0840	0	0
26/02/2019	9.9127%	-0.2059	-0.0320	-0.2379	-0.0190	-0.0240	0	0
27/02/2019	8.7169%	-0.1905	-0.0330	-0.2235	0.0910	0.0910	0	0
28/02/2019	7.7390%	-0.1485	-0.0285	-0.1770	0.0685	0.0665	0	0
01/03/2019	8.0904%	-0.1358	-0.0251	-0.1609	0.0310	0.0295	0	0
04/03/2019	8.4362%	-0.1321	-0.0235	-0.1556	0.0310	0.0295	0	0
05/03/2019	8.6053%	-0.1255	-0.0220	-0.1474	0.0345	0.0290	0	0
06/03/2019	9.3961%	-0.1245	-0.0203	-0.1447	0.0155	0.0135	0	0
07/03/2019	10.2622%	-0.1287	-0.0195	-0.1482	-0.0170	-0.0205	0	0
08/03/2019	9.9296%	-0.1308	-0.0203	-0.1511	-0.0535	-0.0570	0	0
11/03/2019	10.6712%	-0.1568	-0.0230	-0.1798	-0.0295	-0.0315	0	0
12/03/2019	9.6343%	-0.1535	-0.0245	-0.1779	-0.0805	-0.0840	0	0
13/03/2019	10.3705%	-0.1897	-0.0285	-0.2182	-0.0345	-0.0395	0	0
14/03/2019	11.1458%	-0.2132	-0.0302	-0.2434	0.0380	0.0365	0	0
15/03/2019	11.9971%	-0.2118	-0.0283	-0.2401	0.0375	0.0360	0	0
18/03/2019	12.5622%	-0.2051	-0.0264	-0.2315	-0.0550	-0.0570	0	0
19/03/2019	13.1605%	-0.2346	-0.0292	-0.2637	-0.0635	-0.0655	0	0
20/03/2019	13.5095%	-0.2653	-0.0323	-0.2976	0.0755	0.0720	0	0
21/03/2019	10.1167%	-0.1866	-0.0286	-0.2151	0.1240	0.1240	0	0
22/03/2019	8.4445%	-0.1259	-0.0224	-0.1483	-0.0795	-0.0795	0	0
25/03/2019	7.2658%	-0.1302	-0.0263	-0.1566	-0.0735	-0.0770	0	0
26/03/2019	7.4722%	-0.1519	-0.0300	-0.1820	-0.0415	-0.0435	0	0
27/03/2019	4.6637%	-0.1068	-0.0321	-0.1389	-0.1045	-0.1060	0	0
28/03/2019	5.0534%	-0.1335	-0.0373	-0.1708	-0.0170	-0.0200	0	0
29/03/2019	4.8396%	-0.1313	-0.0381	-0.1694	-0.0485	-0.0555	0	0
01/04/2019	5.1096%	-0.1467	-0.0405	-0.1872	0.0280	0.0245	0	0
02/04/2019	5.6434%	-0.1549	-0.0391	-0.1940	0.0065	0.0030	0	0
03/04/2019	5.4706%	-0.1494	-0.0388	-0.1882	-0.0535	-0.0565	0	0

04/04/2019	6.0480%	-0.1746	-0.0415	-0.2160	0.0070	-0.0015	0	0
05/04/2019	6.3522%	-0.1808	-0.0411	-0.2219	0.0380	0.0365	0	0
08/04/2019	7.0403%	-0.1887	-0.0392	-0.2279	-0.0050	-0.0065	0	0
09/04/2019	7.7999%	-0.2075	-0.0395	-0.2469	-0.0085	-0.0120	0	0
10/04/2019	8.6358%	-0.2286	-0.0399	-0.2685	0.0120	0.0070	0	0
11/04/2019	7.0777%	-0.1899	-0.0393	-0.2293	0.1045	0.1045	0	0
12/04/2019	6.7891%	-0.1589	-0.0341	-0.1931	-0.0620	-0.0635	0	0
15/04/2019	4.5533%	-0.1212	-0.0372	-0.1584	-0.1050	-0.1135	1	0
16/04/2019	2.9907%	-0.0935	-0.0424	-0.1359	-0.0790	-0.0825	0	0
17/04/2019	2.6330%	-0.0906	-0.0464	-0.1369	-0.0405	-0.0440	0	0
22/04/2019	2.7771%	-0.0994	-0.0484	-0.1478	0.0150	0.0080	0	0
23/04/2019	3.0258%	-0.1062	-0.0476	-0.1538	-0.0035	-0.0055	0	0
24/04/2019	3.2786%	-0.1149	-0.0478	-0.1627	-0.0100	-0.0115	0	0
25/04/2019	3.4878%	-0.1230	-0.0483	-0.1713	-0.0190	-0.0205	0	0
26/04/2019	3.4266%	-0.1234	-0.0492	-0.1726	-0.0380	-0.0445	0	0
29/04/2019	3.1770%	-0.1193	-0.0511	-0.1705	-0.0465	-0.0500	0	0
30/04/2019	2.9492%	-0.1163	-0.0534	-0.1697	-0.0445	-0.0495	0	0
02/05/2019	2.8525%	-0.1173	-0.0557	-0.1730	-0.0375	-0.0530	0	0
03/05/2019	3.0258%	-0.1282	-0.0575	-0.1857	-0.0190	-0.0210	0	0
06/05/2019	3.1756%	-0.1364	-0.0585	-0.1949	-0.0245	-0.0315	0	0
07/05/2019	3.3521%	-0.1465	-0.0597	-0.2062	0.0245	0.0210	0	0
08/05/2019	3.5587%	-0.1517	-0.0585	-0.2102	-0.0245	-0.0315	0	0
09/05/2019	3.5323%	-0.1538	-0.0597	-0.2135	0.0435	0.0400	0	0
10/05/2019	3.8387%	-0.1602	-0.0575	-0.2177	0.0150	0.0100	0	0
13/05/2019	3.6167%	-0.1496	-0.0568	-0.2064	0.0535	0.0465	0	0
14/05/2019	3.8874%	-0.1525	-0.0541	-0.2066	-0.0205	-0.0220	0	0
15/05/2019	4.0631%	-0.1618	-0.0551	-0.2170	0.0325	0.0275	0	0
16/05/2019	4.4329%	-0.1702	-0.0535	-0.2237	0.0155	0.0090	0	0
17/05/2019	3.8309%	-0.1466	-0.0527	-0.1993	0.0685	0.0635	0	0
20/05/2019	4.1532%	-0.1478	-0.0493	-0.1971	-0.0165	-0.0180	0	0
21/05/2019	4.4092%	-0.1587	-0.0502	-0.2089	-0.0280	-0.0400	0	0
22/05/2019	4.4099%	-0.1631	-0.0516	-0.2147	-0.0480	-0.0530	0	0
23/05/2019	4.8450%	-0.1860	-0.0539	-0.2400	0.0120	0.0100	0	0
24/05/2019	4.4081%	-0.1687	-0.0533	-0.2221	-0.0740	-0.0770	0	0
27/05/2019	4.6171%	-0.1882	-0.0570	-0.2452	-0.0395	-0.0445	0	0
28/05/2019	3.1931%	-0.1383	-0.0590	-0.1973	-0.1080	-0.1255	0	0
29/05/2019	3.4477%	-0.1622	-0.0644	-0.2265	-0.0175	-0.0260	0	0
30/05/2019	3.7270%	-0.1767	-0.0652	-0.2420	0.0195	0.0145	0	0
31/05/2019	4.0374%	-0.1875	-0.0643	-0.2518	-0.0210	-0.0245	0	0
03/06/2019	4.0917%	-0.1929	-0.0653	-0.2582	-0.0515	-0.0580	0	0
04/06/2019	4.3778%	-0.2134	-0.0679	-0.2812	0.0325	0.0295	0	0
05/06/2019	2.8063%	-0.1375	-0.0663	-0.2038	0.1100	0.1045	0	0
06/06/2019	3.0469%	-0.1364	-0.0608	-0.1972	0.0085	0.0070	0	0
07/06/2019	3.2576%	-0.1442	-0.0604	-0.2046	0.0190	0.0120	0	0
10/06/2019	3.3073%	-0.1440	-0.0594	-0.2034	-0.0360	-0.0450	0	0
11/06/2019	3.6285%	-0.1617	-0.0612	-0.2230	0.0035	-0.0035	0	0

12/06/2019	3.9683%	-0.1753	-0.0610	-0.2363	-0.0120	-0.0185	0	0
13/06/2019	4.1630%	-0.1850	-0.0616	-0.2466	0.0360	0.0345	0	0
14/06/2019	3.5586%	-0.1553	-0.0598	-0.2151	-0.0790	-0.0965	0	0
17/06/2019	3.6126%	-0.1678	-0.0638	-0.2316	-0.0430	-0.0495	0	0
18/06/2019	2.8612%	-0.1394	-0.0659	-0.2053	-0.0825	-0.0950	0	0
19/06/2019	2.5893%	-0.1347	-0.0700	-0.2047	-0.0550	-0.0670	0	0
20/06/2019	2.7975%	-0.1506	-0.0728	-0.2233	0.0105	-0.0015	0	0
21/06/2019	2.8162%	-0.1504	-0.0722	-0.2227	-0.0380	-0.0395	0	0
24/06/2019	2.9678%	-0.1622	-0.0741	-0.2364	0.0260	0.0205	0	0
25/06/2019	2.9548%	-0.1587	-0.0728	-0.2316	0.0425	0.0390	0	0
26/06/2019	3.1861%	-0.1655	-0.0707	-0.2362	-0.0170	-0.0290	0	0
27/06/2019	3.4616%	-0.1810	-0.0716	-0.2525	-0.0150	-0.0200	0	0
28/06/2019	3.8029%	-0.1996	-0.0723	-0.2719	-0.0040	-0.0110	0	0
01/07/2019	2.9666%	-0.1586	-0.0725	-0.2311	-0.0975	-0.1115	0	0
02/07/2019	2.1654%	-0.1254	-0.0774	-0.2028	-0.0845	-0.0930	0	0
03/07/2019	2.3178%	-0.1412	-0.0816	-0.2227	-0.0090	-0.0160	0	0
04/07/2019	2.2545%	-0.1382	-0.0820	-0.2202	-0.0400	-0.0430	0	0
05/07/2019	2.4017%	-0.1504	-0.0840	-0.2344	0.0145	0.0075	0	0
08/07/2019	2.5424%	-0.1574	-0.0833	-0.2407	-0.0205	-0.0280	0	0
09/07/2019	2.7411%	-0.1711	-0.0843	-0.2554	-0.0130	-0.0200	0	0
10/07/2019	2.8464%	-0.1787	-0.0849	-0.2637	-0.0345	-0.0465	0	0
11/07/2019	2.9613%	-0.1893	-0.0867	-0.2759	-0.0365	-0.0380	0	0
12/07/2019	3.2358%	-0.2101	-0.0885	-0.2985	0.0060	0.0030	0	0
15/07/2019	3.3427%	-0.2158	-0.0882	-0.3040	-0.0470	-0.0500	0	0
16/07/2019	2.6477%	-0.1778	-0.0905	-0.2683	0.0985	0.0925	0	0
17/07/2019	2.7611%	-0.1750	-0.0856	-0.2606	0.0310	0.0265	0	0
18/07/2019	2.4004%	-0.1504	-0.0841	-0.2345	0.0660	0.0605	0	0
19/07/2019	2.4720%	-0.1487	-0.0808	-0.2295	0.0285	0.0270	0	0
22/07/2019	2.4874%	-0.1469	-0.0794	-0.2263	-0.0355	-0.0385	0	0
23/07/2019	2.4444%	-0.1477	-0.0811	-0.2289	-0.0415	-0.0470	0	0
24/07/2019	2.5061%	-0.1551	-0.0832	-0.2383	-0.0320	-0.0380	0	0
25/07/2019	2.6254%	-0.1653	-0.0848	-0.2500	-0.0270	-0.0330	0	0
26/07/2019	2.8207%	-0.1797	-0.0861	-0.2658	-0.0175	-0.0235	0	0
30/07/2019	2.7227%	-0.1755	-0.0870	-0.2625	-0.0560	-0.0585	0	0
31/07/2019	2.7369%	-0.1820	-0.0898	-0.2718	-0.0460	-0.0515	0	0
01/08/2019	2.9083%	-0.1977	-0.0921	-0.2898	0.0270	0.0195	0	0
02/08/2019	2.9913%	-0.2001	-0.0907	-0.2908	0.0425	0.0410	0	0
05/08/2019	2.5451%	-0.1677	-0.0886	-0.2563	0.0785	0.0665	0	0
06/08/2019	2.6237%	-0.1650	-0.0847	-0.2497	-0.0330	-0.0405	0	0
07/08/2019	2.6791%	-0.1716	-0.0864	-0.2579	-0.0380	-0.0395	0	0
08/08/2019	2.7668%	-0.1808	-0.0883	-0.2690	-0.0365	-0.0380	0	0
09/08/2019	3.0185%	-0.2003	-0.0901	-0.2904	-0.0015	-0.0045	0	0
12/08/2019	2.8435%	-0.1895	-0.0901	-0.2796	-0.0680	-0.0695	0	0
13/08/2019	2.2097%	-0.1546	-0.0935	-0.2482	-0.0920	-0.0995	0	0
14/08/2019	2.0097%	-0.1481	-0.0981	-0.2462	-0.0560	-0.0605	0	0
15/08/2019	1.8798%	-0.1428	-0.1009	-0.2437	-0.0470	-0.0515	0	0

16/08/2019	2.0004%	-0.1551	-0.1032	-0.2584	0.0015	-0.0030	0	0
19/08/2019	1.9902%	-0.1543	-0.1032	-0.2574	0.0355	0.0145	0	0
20/08/2019	2.0432%	-0.1555	-0.1014	-0.2569	0.0265	0.0240	0	0
21/08/2019	2.1583%	-0.1618	-0.1001	-0.2618	-0.0165	-0.0225	0	0
22/08/2019	2.2491%	-0.1697	-0.1009	-0.2706	-0.0260	-0.0335	0	0
23/08/2019	2.4047%	-0.1832	-0.1022	-0.2854	-0.0150	-0.0195	0	0
26/08/2019	2.5068%	-0.1920	-0.1029	-0.2949	-0.0325	-0.0340	0	0
27/08/2019	2.4038%	-0.1873	-0.1046	-0.2919	0.0580	0.0510	0	0
28/08/2019	2.5816%	-0.1950	-0.1017	-0.2967	0.0155	0.0095	0	0
29/08/2019	2.1523%	-0.1627	-0.1009	-0.2636	0.0785	0.0710	0	0
02/09/2019	2.2991%	-0.1666	-0.0970	-0.2635	0.0120	0.0030	0	0
03/09/2019	2.4658%	-0.1770	-0.0964	-0.2734	0.0130	0.0100	0	0
04/09/2019	2.5534%	-0.1817	-0.0957	-0.2775	-0.0340	-0.0380	0	0
05/09/2019	2.5837%	-0.1870	-0.0974	-0.2845	-0.0440	-0.0470	0	0
06/09/2019	2.3602%	-0.1754	-0.0996	-0.2751	-0.0680	-0.0710	0	0
09/09/2019	2.5131%	-0.1926	-0.1030	-0.2956	-0.0210	-0.0270	0	0
10/09/2019	2.7298%	-0.2104	-0.1041	-0.3145	0.0000	-0.0030	0	0
11/09/2019	2.3557%	-0.1829	-0.1041	-0.2869	-0.0850	-0.0880	0	0
12/09/2019	2.3803%	-0.1922	-0.1083	-0.3005	-0.0440	-0.0500	0	0
13/09/2019	1.9061%	-0.1585	-0.1105	-0.2689	-0.0860	-0.0890	0	0
16/09/2019	1.8248%	-0.1578	-0.1148	-0.2726	-0.0455	-0.0515	0	0
17/09/2019	1.9049%	-0.1678	-0.1170	-0.2848	-0.0180	-0.0225	0	0
18/09/2019	1.9914%	-0.1764	-0.1179	-0.2943	-0.0205	-0.0250	0	0
19/09/2019	2.0767%	-0.1853	-0.1189	-0.3042	-0.0250	-0.0350	0	0
20/09/2019	2.1540%	-0.1939	-0.1202	-0.3141	-0.0305	-0.0335	0	0
23/09/2019	2.3074%	-0.2097	-0.1217	-0.3314	-0.0120	-0.0135	0	0
24/09/2019	2.2599%	-0.2066	-0.1223	-0.3289	-0.0575	-0.0620	0	0
25/09/2019	2.3755%	-0.2217	-0.1252	-0.3469	0.0305	0.0245	0	0
26/09/2019	2.5604%	-0.2353	-0.1236	-0.3589	0.0135	0.0060	0	0
27/09/2019	2.6421%	-0.2411	-0.1230	-0.3640	0.0470	0.0410	0	0
30/09/2019	2.6476%	-0.2370	-0.1206	-0.3576	0.0590	0.0530	0	0
01/10/2019	2.8170%	-0.2452	-0.1177	-0.3629	-0.0320	-0.0380	0	0
02/10/2019	2.9742%	-0.2616	-0.1193	-0.3809	-0.0415	-0.0505	0	0
03/10/2019	3.2120%	-0.2861	-0.1213	-0.4075	-0.0280	-0.0305	0	0
04/10/2019	2.7673%	-0.2514	-0.1227	-0.3742	0.1150	0.1105	0	0
07/10/2019	2.9594%	-0.2554	-0.1170	-0.3724	-0.0310	-0.0385	0	0
09/10/2019	3.2362%	-0.2815	-0.1186	-0.4001	0.0045	-0.0010	0	0
10/10/2019	3.3695%	-0.2918	-0.1183	-0.4101	-0.0590	-0.0630	0	0
11/10/2019	3.5096%	-0.3107	-0.1213	-0.4319	-0.0635	-0.0675	0	0
14/10/2019	3.4772%	-0.3160	-0.1244	-0.4404	0.0900	0.0845	0	0
15/10/2019	2.6753%	-0.2380	-0.1200	-0.3579	-0.1485	-0.1500	0	0
16/10/2019	2.8112%	-0.2648	-0.1273	-0.3921	-0.0435	-0.0495	0	0
17/10/2019	3.0625%	-0.2920	-0.1295	-0.4215	-0.0115	-0.0160	0	0
18/10/2019	3.1341%	-0.2997	-0.1301	-0.4298	0.0675	0.0635	0	0
21/10/2019	3.1358%	-0.2921	-0.1267	-0.4188	0.0770	0.0725	0	0
22/10/2019	3.4236%	-0.3076	-0.1229	-0.4305	-0.0165	-0.0240	0	0

23/10/2019	3.6575%	-0.3293	-0.1237	-0.4530	0.0475	0.0415	0	0
24/10/2019	4.0184%	-0.3525	-0.1213	-0.4738	0.0130	0.0075	0	0
25/10/2019	4.1999%	-0.3652	-0.1207	-0.4859	0.0740	0.0665	0	0
28/10/2019	4.0909%	-0.3456	-0.1170	-0.4626	-0.1150	-0.1195	0	0
29/10/2019	4.3830%	-0.3862	-0.1227	-0.5090	0.0575	0.0560	0	0
30/10/2019	4.3994%	-0.3785	-0.1199	-0.4984	-0.1090	-0.1120	0	0
31/10/2019	3.9057%	-0.3545	-0.1253	-0.4798	0.1545	0.1425	0	0
04/11/2019	2.9571%	-0.2565	-0.1176	-0.3742	0.1565	0.1460	0	0
05/11/2019	2.5434%	-0.2077	-0.1098	-0.3175	0.0945	0.0905	0	0
06/11/2019	2.5387%	-0.1984	-0.1051	-0.3036	0.0500	0.0455	0	0
07/11/2019	2.7461%	-0.2087	-0.1026	-0.3114	0.0120	0.0105	0	0
08/11/2019	2.6090%	-0.1977	-0.1020	-0.2997	0.0650	0.0635	0	0
11/11/2019	2.7953%	-0.2044	-0.0988	-0.3032	0.0215	0.0170	0	0
12/11/2019	2.9772%	-0.2145	-0.0977	-0.3123	0.0285	0.0255	0	0
13/11/2019	3.2574%	-0.2301	-0.0963	-0.3264	-0.0005	-0.0050	0	0
14/11/2019	3.1056%	-0.2201	-0.0963	-0.3164	-0.0765	-0.0955	0	0
15/11/2019	3.4013%	-0.2491	-0.1001	-0.3493	-0.0045	-0.0120	0	0
18/11/2019	3.7161%	-0.2712	-0.1004	-0.3716	-0.0175	-0.0205	0	0
19/11/2019	4.0050%	-0.2932	-0.1012	-0.3944	0.0370	0.0255	0	0
20/11/2019	4.4034%	-0.3141	-0.0994	-0.4135	0.0150	0.0075	0	0
21/11/2019	4.5526%	-0.3214	-0.0987	-0.4201	0.0730	0.0715	0	0
22/11/2019	4.9230%	-0.3324	-0.0950	-0.4275	-0.0440	-0.0515	0	0
25/11/2019	5.2639%	-0.3613	-0.0972	-0.4585	0.0590	0.0515	0	0
26/11/2019	4.7170%	-0.3173	-0.0943	-0.4115	-0.1475	-0.1550	0	0
27/11/2019	4.8365%	-0.3498	-0.1016	-0.4515	0.0855	0.0785	0	0
28/11/2019	5.1117%	-0.3524	-0.0974	-0.4498	0.0665	0.0620	0	0
29/11/2019	4.2829%	-0.2897	-0.0941	-0.3838	0.1470	0.1440	0	0
02/12/2019	4.3826%	-0.2729	-0.0867	-0.3597	0.0665	0.0635	0	0
03/12/2019	4.6596%	-0.2776	-0.0834	-0.3611	0.0475	0.0460	0	0
04/12/2019	5.1245%	-0.2941	-0.0811	-0.3752	-0.0190	-0.0260	0	0
05/12/2019	5.5798%	-0.3212	-0.0820	-0.4032	0.0365	0.0335	0	0
06/12/2019	6.0665%	-0.3384	-0.0802	-0.4186	0.0415	0.0370	0	0
09/12/2019	5.3926%	-0.2968	-0.0781	-0.3749	-0.1445	-0.1515	0	0
10/12/2019	5.5922%	-0.3348	-0.0853	-0.4202	0.0770	0.0755	0	0
11/12/2019	3.9632%	-0.2337	-0.0815	-0.3152	-0.1800	-0.1815	0	0
12/12/2019	4.3286%	-0.2814	-0.0904	-0.3718	-0.0240	-0.0285	0	0
13/12/2019	4.7781%	-0.3120	-0.0916	-0.4037	0.0060	-0.0075	0	0
16/12/2019	3.8372%	-0.2542	-0.0913	-0.3456	-0.1520	-0.1565	0	0
17/12/2019	3.0313%	-0.2208	-0.0989	-0.3197	-0.1325	-0.1410	0	0
18/12/2019	3.1775%	-0.2462	-0.1055	-0.3517	0.0440	0.0410	0	0
19/12/2019	2.9434%	-0.2243	-0.1033	-0.3277	-0.0865	-0.0895	0	0
20/12/2019	2.3820%	-0.1912	-0.1076	-0.2988	-0.1050	-0.1155	0	0
23/12/2019	2.3921%	-0.2013	-0.1128	-0.3141	-0.0485	-0.0510	0	0
24/12/2019	2.5861%	-0.2214	-0.1153	-0.3367	0.0085	-0.0045	0	0
26/12/2019	2.7278%	-0.2321	-0.1148	-0.3469	-0.0350	-0.0425	0	0
27/12/2019	2.9472%	-0.2535	-0.1166	-0.3700	0.0205	0.0070	0	0

30/12/2019	2.8692%	-0.2450	-0.1156	-0.3605	0.0735	0.0665	0	0
31/12/2019	3.1331%	-0.2577	-0.1119	-0.3696	-0.0055	-0.0130	0	0