

# Wack-O Season

Live Webcast hosted by:

**Jeffrey Gundlach**

Chief Executive Officer

**September 12, 2017**



# Fund Offerings



## Total Return Bond Fund

Retail and Institutional Class No Load Mutual Fund		
	Retail N-share	Inst. I-share
Ticker	<u>DLTNX</u>	<u>DBLTX</u>
Min Investment	\$2,000	\$100,000
Min IRA Investment	\$500	\$5,000
Gross Expense Ratio	0.72%	0.47%

**The Funds’ investment objectives, risks, charges and expenses must be considered carefully before investing. The statutory prospectus and summary prospectus (if available) contains this and other important information about the Funds, and it may be obtained by calling 1 (877) 354-6311/ 1 (877) DLINE11, or visiting [www.doublelinefunds.com](http://www.doublelinefunds.com). Read it carefully before investing.**

*Mutual fund investing involves risk; Principal loss is possible. Investments in debt securities typically decrease in value when interest rates rise. This risk is usually greater for longer-term debt securities. Investments in Asset-Backed and Mortgage-Backed Securities include additional risks that investors should be aware of such as credit risk, prepayment risk, possible illiquidity and default, as well as increased susceptibility to adverse economic developments. Investments in lower-rated and non-rated securities present a greater risk of loss to principal and interest than higher-rated securities. The Fund may use certain types of investment derivatives. Derivatives involve risks different from, and in certain cases, greater than the risks presented by higher-rate securities. The DoubleLine Total Return Bond Fund intends to invest more than 50% of its net assets in mortgage-backed securities of any maturity or type. The Fund therefore, potentially is more likely to react to any volatility or changes in the mortgage-backed securities marketplace.*

Opinions expressed are subject to change at any time, are not forecasts and should not be considered investment advice.

DoubleLine Funds are distributed by Quasar Distributors, LLC.

While the Funds are no-load, management fees and other expenses still apply. Please refer to the prospectus for further details.

Fund holdings and sector allocations are subject to change and are not recommendations to buy or sell any security.

# DoubleLine Total Return Bond Fund Performance



## Fund Performance

		Annualized				
Month-End Returns		Year-to-				Since
August 31, 2017	Aug	Date	1-Year	3-Year	5-Year	Inception <sup>(4-6-10)</sup>
I-share	0.95%	3.93%	2.43%	3.22%	3.38%	6.70%
N-share	0.83%	2.66%	2.17%	2.93%	3.12%	6.43%
Benchmark*	0.90%	3.64%	0.49%	2.64%	2.19%	3.75%
BB MBS Index	0.73%	2.55%	0.80%	2.45%	2.09%	3.16%

		Annualized				
Quarter-End Returns		Year-to-				Since
June 30, 2017	2Q17	Date	1-Year	3-Year	5-Year	Inception <sup>(4-6-10)</sup>
I-share	1.40%	2.46%	1.41%	3.04%	3.59%	6.65%
N-share	1.33%	2.33%	1.16%	2.79%	3.33%	6.40%
Benchmark*	0.90%	3.64%	0.49%	2.64%	2.19%	3.75%
BB MBS Index	0.84%	2.72%	-0.06%	2.19%	2.00%	3.07%

SEC 30-Day Yield	I-Share	N-Share
Gross	3.44%	3.19%
Net	3.44%	3.19%
Expense Ratio	I-Share	N-Share
Gross	0.47%	0.72%

**Performance data quoted represents past performance; past performance does not guarantee future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than the original cost. Current performance of the fund may be lower or higher than the performance quoted. Performance data current to the most recent month-end may be obtained by calling 213-633-8200 or by visiting [www.doublelinefunds.com](http://www.doublelinefunds.com).**

\* Bloomberg Barclays US Aggregate Index represents securities that are SEC-registered, taxable, and dollar denominated. The index covers the US investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis. BB MBS Index = Bloomberg Barclays Mortgage-Backed Securities index. Please see appendix for further definition. It is not possible to invest directly in an index.

# Webcast Announcements

## [Asset Allocation Webcast – October 3, 2017](#)

Jeffrey Sherman, DoubleLine Deputy CIO will discuss DoubleLine’s Core Bond and Flexible Income Funds

Go to [www.doublelinefunds.com](http://www.doublelinefunds.com), Home page under “Events”

1:15 pm PDT/4:15 pm EDT

## [Shiller Enhanced CAPE® and International CAPE® Webcast – November 14, 2017](#)

Jeffrey Sherman, DoubleLine Deputy CIO will discuss DoubleLine’s Shiller Enhanced CAPE® and Shiller Enhanced International CAPE® Funds

Go to [www.doublelinefunds.com](http://www.doublelinefunds.com), Home page under “Events”

1:15 pm PDT/4:15 pm EDT

## [Last Webcast of 2017 – Total Return – December 5, 2017](#)

Jeffrey Gundlach will discuss DoubleLine’s Total Return Bond Fund

Go to [www.doublelinefunds.com](http://www.doublelinefunds.com), Home page under “Events”

1:15 pm PDT/4:15 pm EDT

## **To Receive Today’s Presentation Slides:**

You can email [fundinfo@doubleline.com](mailto:fundinfo@doubleline.com)

## Other Announcements

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**Sherman Show Podcasts** – Available on [doubleline.com](http://doubleline.com), iTunes, Sound Cloud and Google Play

**Advisor Use Only Webpage** Now Available on [doublelinefunds.com](http://doublelinefunds.com)

Sign up and a password will be sent to you once we have verified you are a registered rep

**Upcoming LA Event** – DoubleLine will be hosting an event in Los Angeles later in September. If you would like more information, please contact [info@doubleline.com](mailto:info@doubleline.com)

# DBLTX Performance – One Year

One Year Performance (8-22-2016 to 8-22-2017)	DBLTX	BB US Aggregate Index	Difference in Basis Points (bp)
<b>Return</b>	2.09	0.38	171
<b>Standard Deviation</b>	2.40	3.13	-73
<b>Sharpe Ratio</b>	0.87	0.12	75
<b>Downside Risk</b>	1.60	2.21	-61
<b>Sortino Ratio</b>	0.62	-0.32	94

One Year Performance (8-22-2016 to 8-22-2017)	DBLTX	BB US MBS Index	Difference in Basis Points (bp)
<b>Return</b>	2.09	0.69	140
<b>Standard Deviation</b>	2.40	2.59	-19
<b>Sharpe Ratio</b>	0.87	0.26	61
<b>Downside Risk</b>	1.60	1.83	-23
<b>Sortino Ratio</b>	0.62	-0.22	84

*Performance data quoted represents past performance; past performance does not guarantee future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than the original cost. Current performance of the fund may be lower or higher than the performance quoted. Performance data current to the most recent month-end may be obtained by calling 213-633-8200 or by visiting [www.doublelinefunds.com](http://www.doublelinefunds.com).*

Source: DoubleLine. One year ending August 22, 2017.

BB = Bloomberg Barclays Index (US Aggregate Index or MBS Index). Past performance is no guarantee of future results. See appendix for further descriptions. You cannot invest directly in an index.

# DBLTX Performance – Five Years

Five Years Performance (8-22-2012 to 8-22-2017)	DBLTX	BB US Aggregate Index	Difference in Basis Points (bp)
<b>Return</b>	3.42	2.37	105
<b>Standard Deviation</b>	2.50	3.16	-66
<b>Sharpe Ratio</b>	1.36	0.75	61
<b>Downside Risk</b>	1.64	2.20	-56
<b>Sortino Ratio</b>	1.79	0.85	94

Five Years Performance (8-22-2012 to 8-22-2017)	DBLTX	BB US MBS Index	Difference in Basis Points (bp)
<b>Return</b>	3.42	2.12	130
<b>Standard Deviation</b>	2.51	2.58	-7
<b>Sharpe Ratio</b>	1.36	0.82	54
<b>Downside Risk</b>	1.64	1.97	-33
<b>Sortino Ratio</b>	1.79	0.83	96

*Performance data quoted represents past performance; past performance does not guarantee future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than the original cost. Current performance of the fund may be lower or higher than the performance quoted. Performance data current to the most recent month-end may be obtained by calling 213-633-8200 or by visiting [www.doublelinefunds.com](http://www.doublelinefunds.com).*

Source: DoubleLine. Five years ending August 22, 2017.

BB = Bloomberg Barclays Index (US Aggregate Index or MBS Index). Past performance is no guarantee of future results. See appendix for further descriptions. You cannot invest directly in an index.

# DBLTX Statistics vs. BB US Aggregate Index



DBLTX vs. BB US Agg Index	1-Year Difference in Basis Points (bps)	5-Year Difference in Basis Points (bps)	Comment (Defined by 10 basis points)
<b>Return</b>	171	105	Better
<b>Standard Deviation</b>	-73	-66	Better
<b>Sharpe Ratio</b>	75	61	Better
<b>Downside Risk</b>	-61	-56	Better
<b>Sortino Ratio</b>	94	94	Same

*Performance data quoted represents past performance; past performance does not guarantee future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than the original cost. Current performance of the fund may be lower or higher than the performance quoted. Performance data current to the most recent month-end may be obtained by calling 213-633-8200 or by visiting [www.doublelinefunds.com](http://www.doublelinefunds.com).*

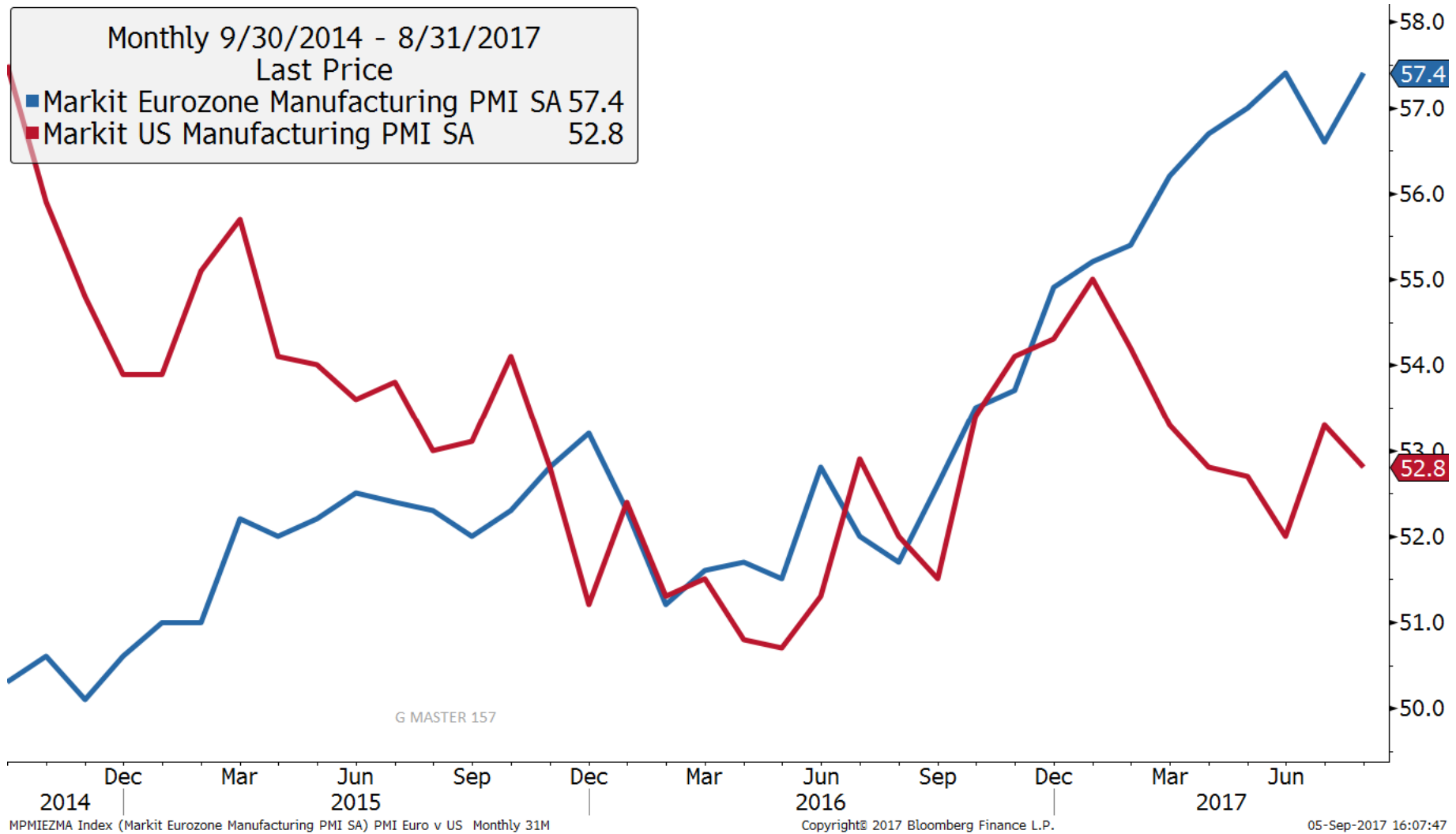
Source: DoubleLine. Five years ending August 22, 2017.

BB = Bloomberg Barclays U.S. Aggregate Index. Past performance is no guarantee of future results. See appendix for further descriptions. You cannot invest directly in an index.

# TAB I

## Global Economy

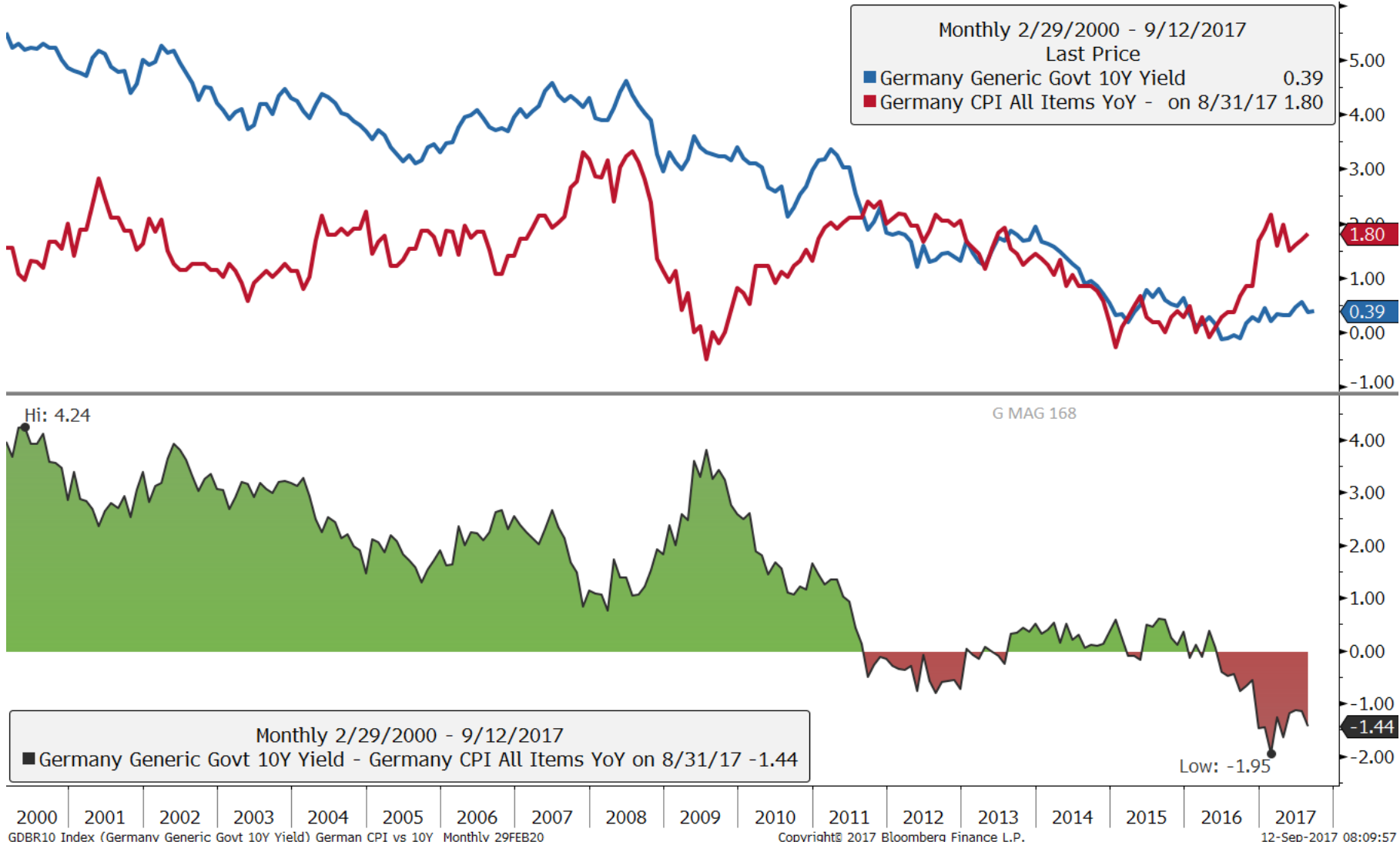
# PMI – Eurozone vs. U.S.



Source: Citigroup, Bloomberg

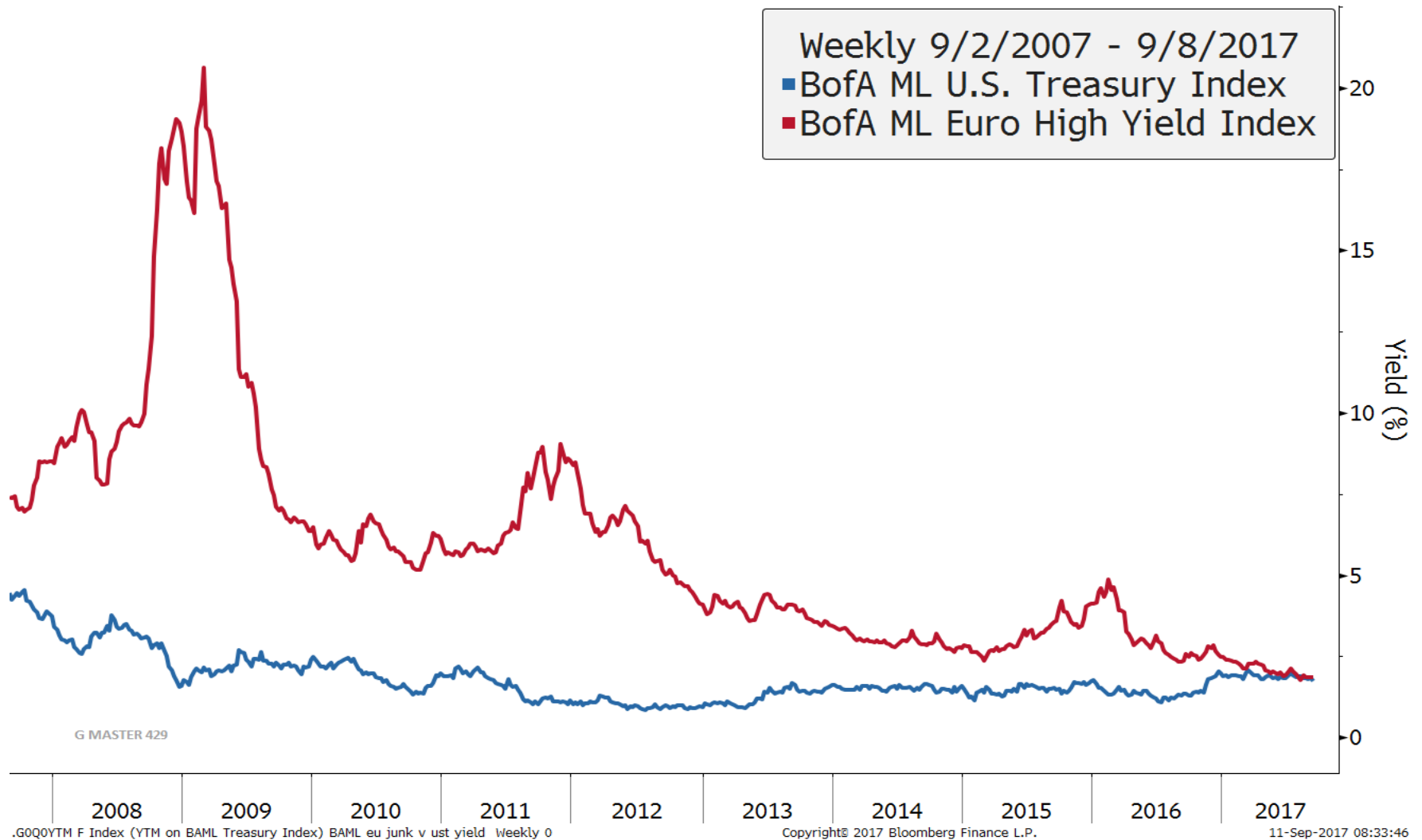
Markit Eurozone Manufacturing PMI (Purchase Managers Index – seasonally adjusted). PMI is an indicator of the economic health of the manufacturing sector based on five major indicators: new orders, inventory levels, production, supplier deliveries and the employment environment. You cannot invest directly in an index. .

# German 10-year Yield vs. CPI



Source: Bloomberg  
CPI = Consumer Price Index is a measure that examines the weighted average of prices of a basket of goods and services, such as transportation, food and medical care. You cannot invest directly in an index. YoY = year-over-year.

# Euro Junk Rally Pushes Yields Below U.S. Treasuries



Source: Bloomberg

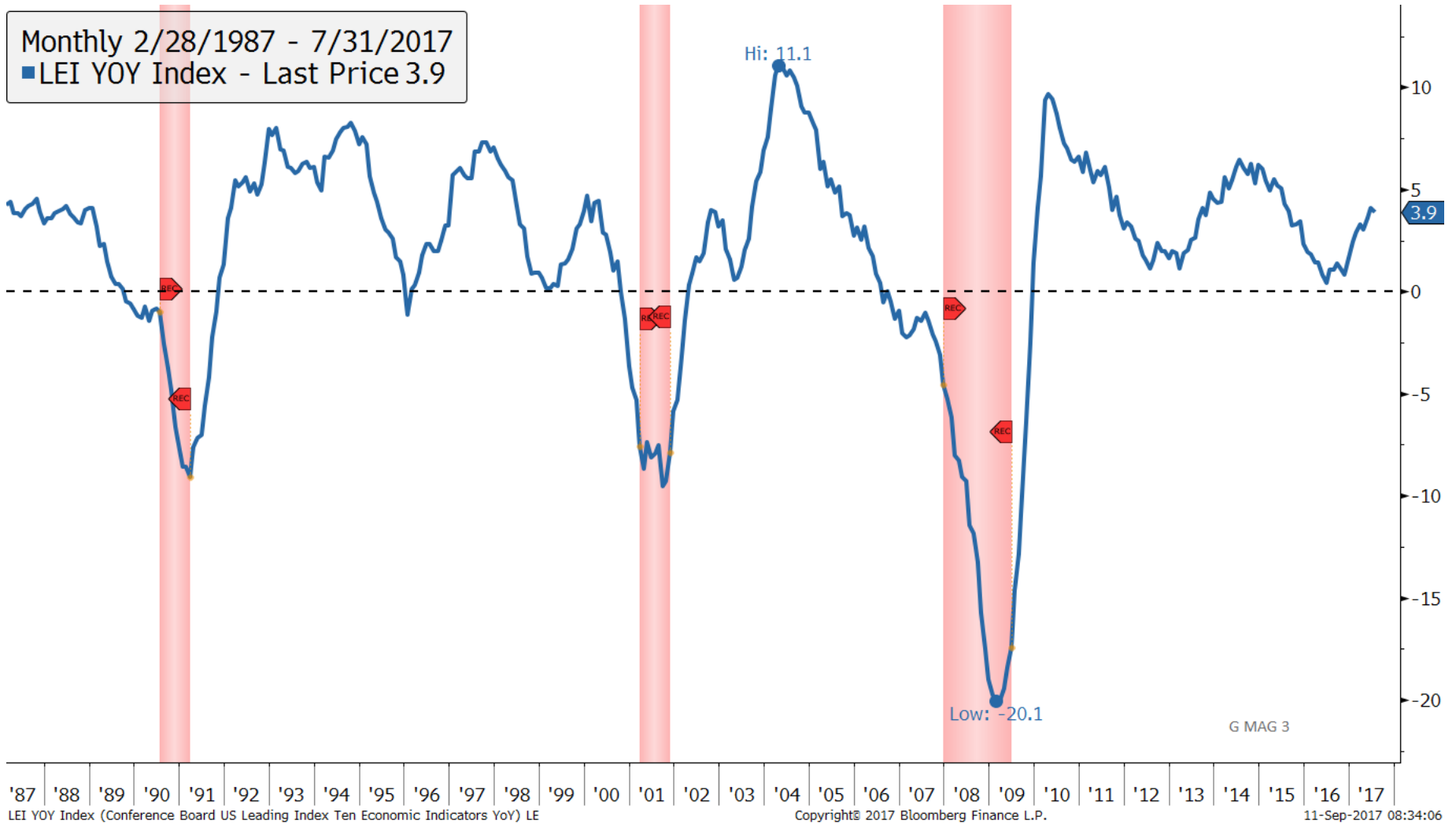
**BofA Merrill Lynch US Treasury Index (GOQ0)** -The Merrill Lynch US Treasury Index tracks the performance of US dollar denominated sovereign debt publicly issued by the US government in its domestic market. Qualifying securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$1 billion. **BofA Merrill Lynch Euro High Yield Index (HE00)** tracks performance of EURO denominated below investment grade corporate debt publicly issued in the euro domestic and Eurobond markets.

Please see index definitions in the appendix. You cannot invest directly in an index.

# TAB II – U.S.



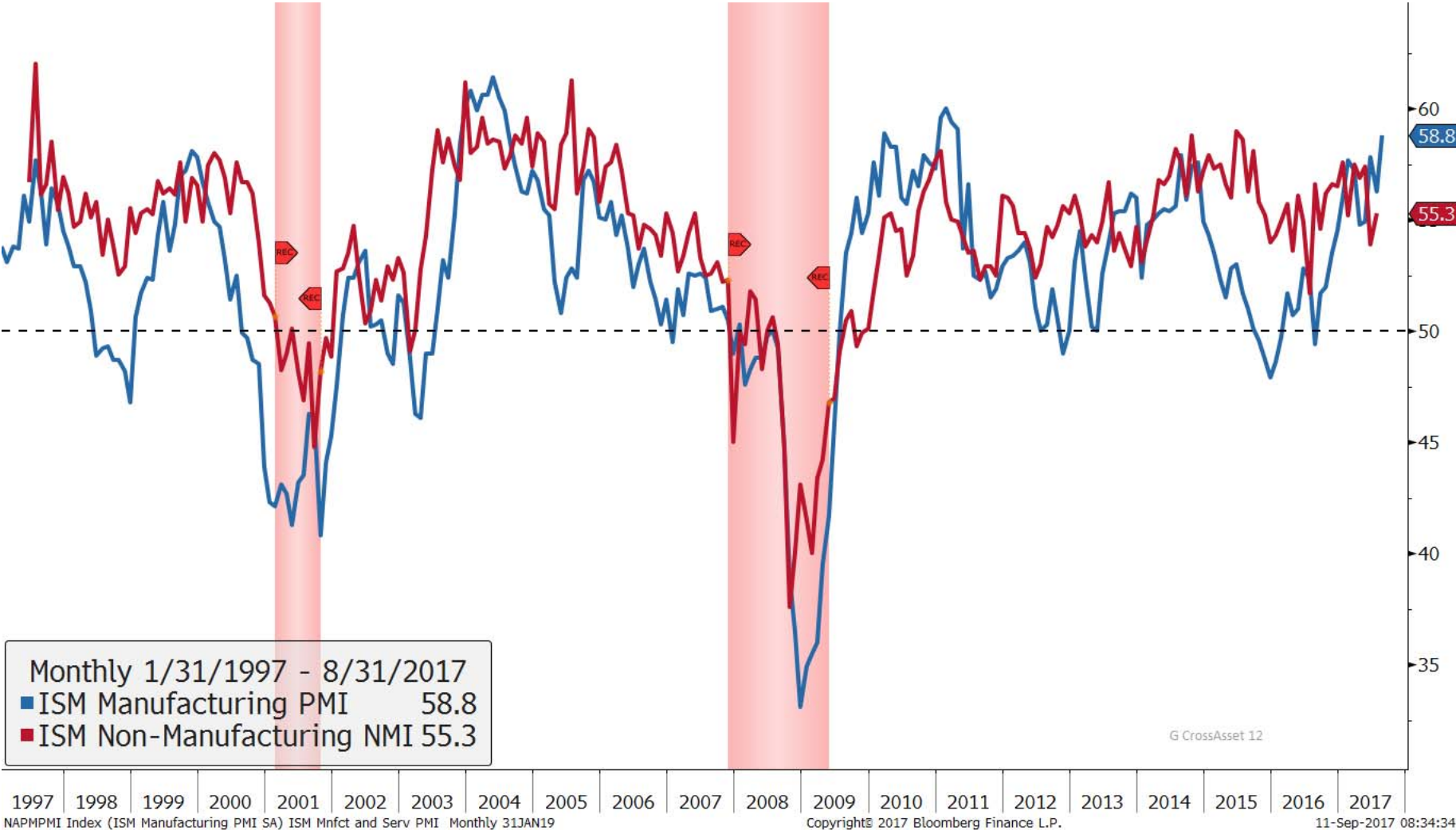
# U.S. Conference Board Leading Economic Indicator



Source: Bloomberg, DoubleLine

Conference Board U.S. Leading Index = Leading indicators include economic variables that tend to move before change in the overall economy. These indicators give a sense of the future state of an economy. YoY = year-over-year. You cannot invest directly in an index.

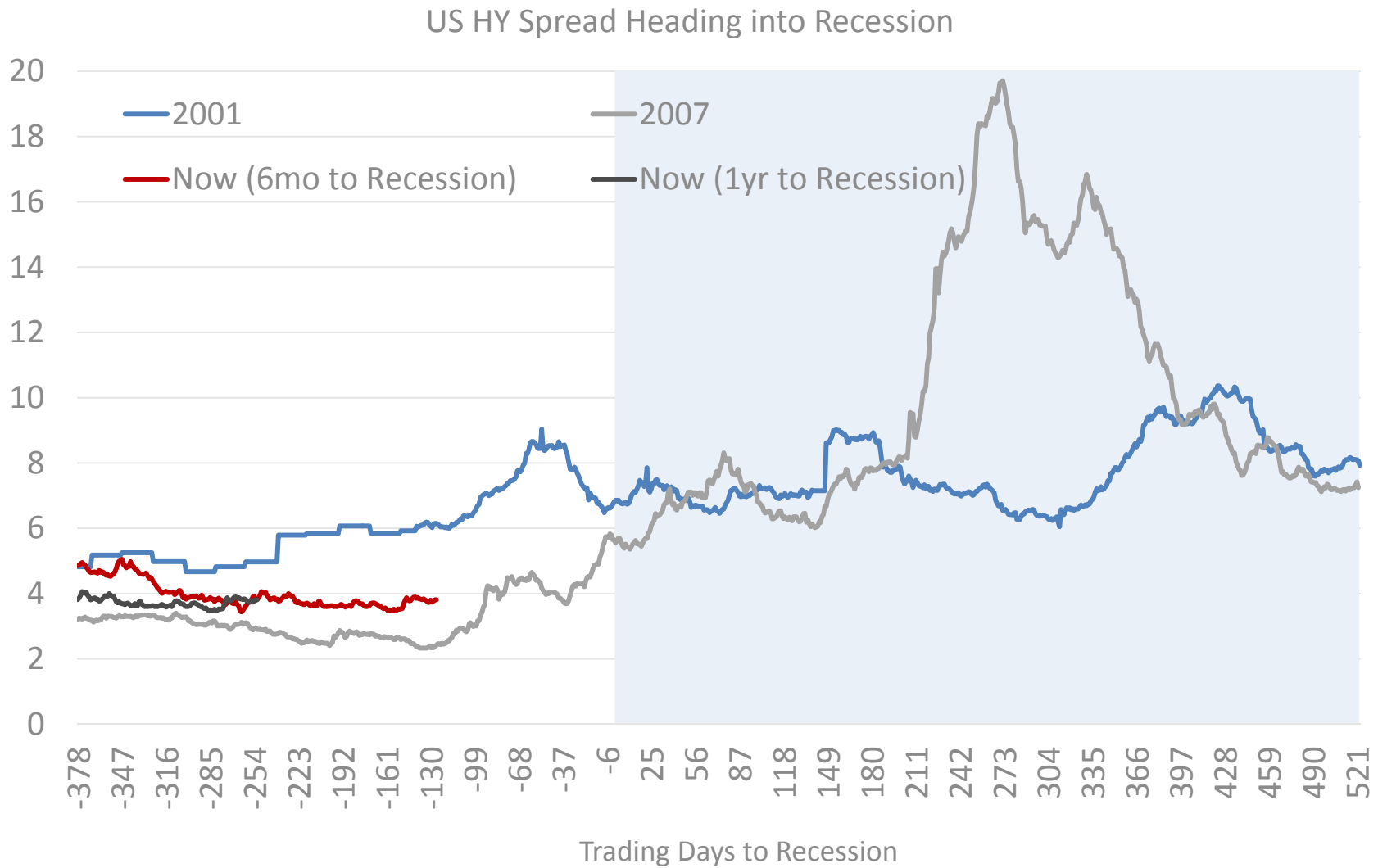
# ISM Manufacturing and Services PMI



Source: Bloomberg, DoubleLine

PMI = Purchase Managers Index is an indicator of the economic health of the manufacturing sector. The PMI is based on five major indicators: new orders, inventory levels, production, supplier deliveries and the employment environment. ISM = Institute of Supply Management. NMI = Non-Manufacturing Index is a composite of four indicators with equal weights: Business activity, New Orders, Employment and Supplier Deliveries. You cannot invest directly in an index.

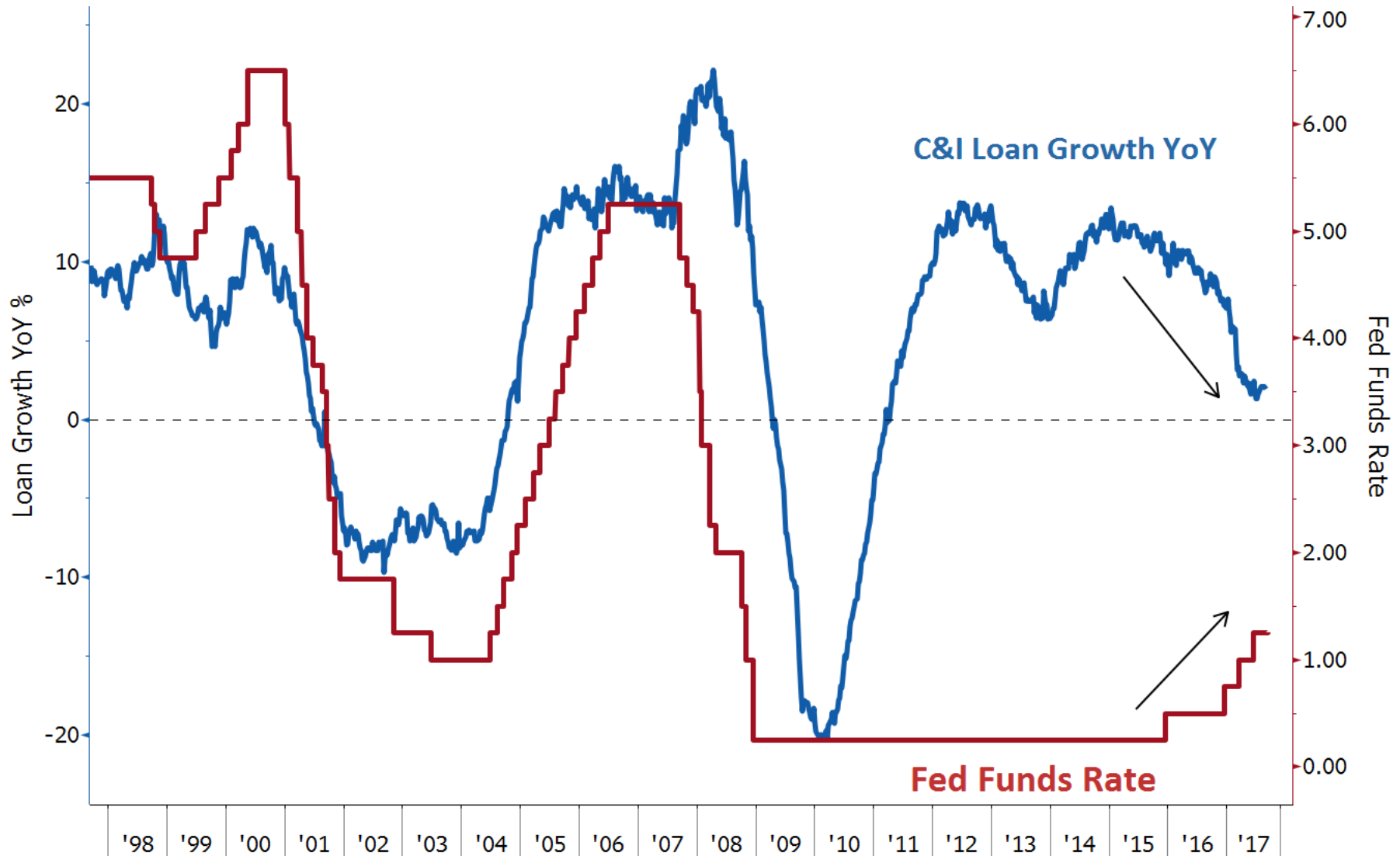
# Corporate Credit Spreads and Recessions



Source: Bloomberg, DoubleLine as of September 11, 2017.

US HY = Moody's Bond Indices Corporate BAA Index are an average of the daily values for the corresponding month and weekly values are averages for the daily yields of the corresponding week. You cannot invest directly in an index.

# U.S. Loan Growth Falling

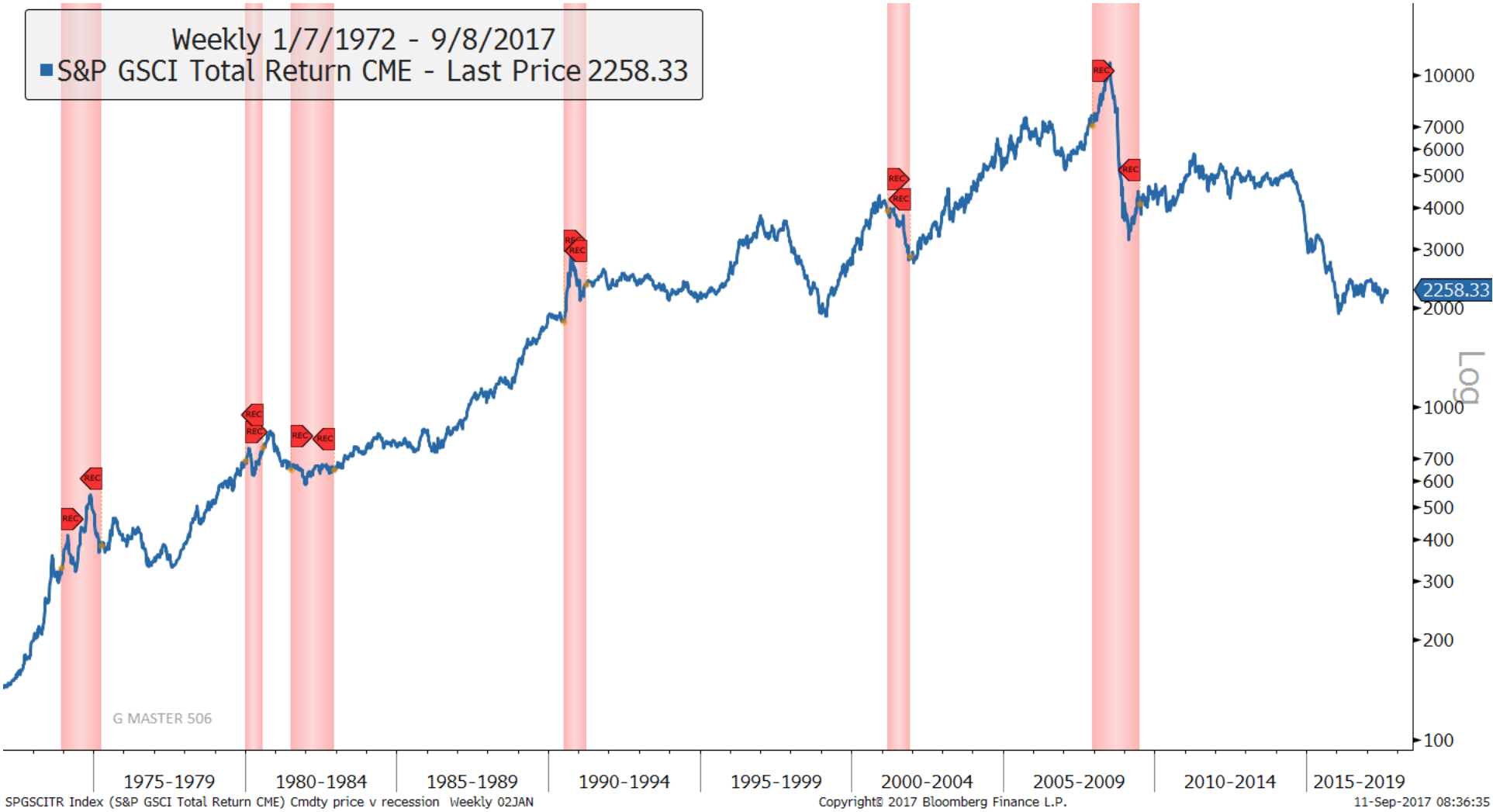


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Source: Eric Pomboy, Meridian Macro Research  
YoY = year-over-year. C&I = Commercial and Industrial loans. You cannot invest directly in an index.

# Commodity Prices vs. Recessions



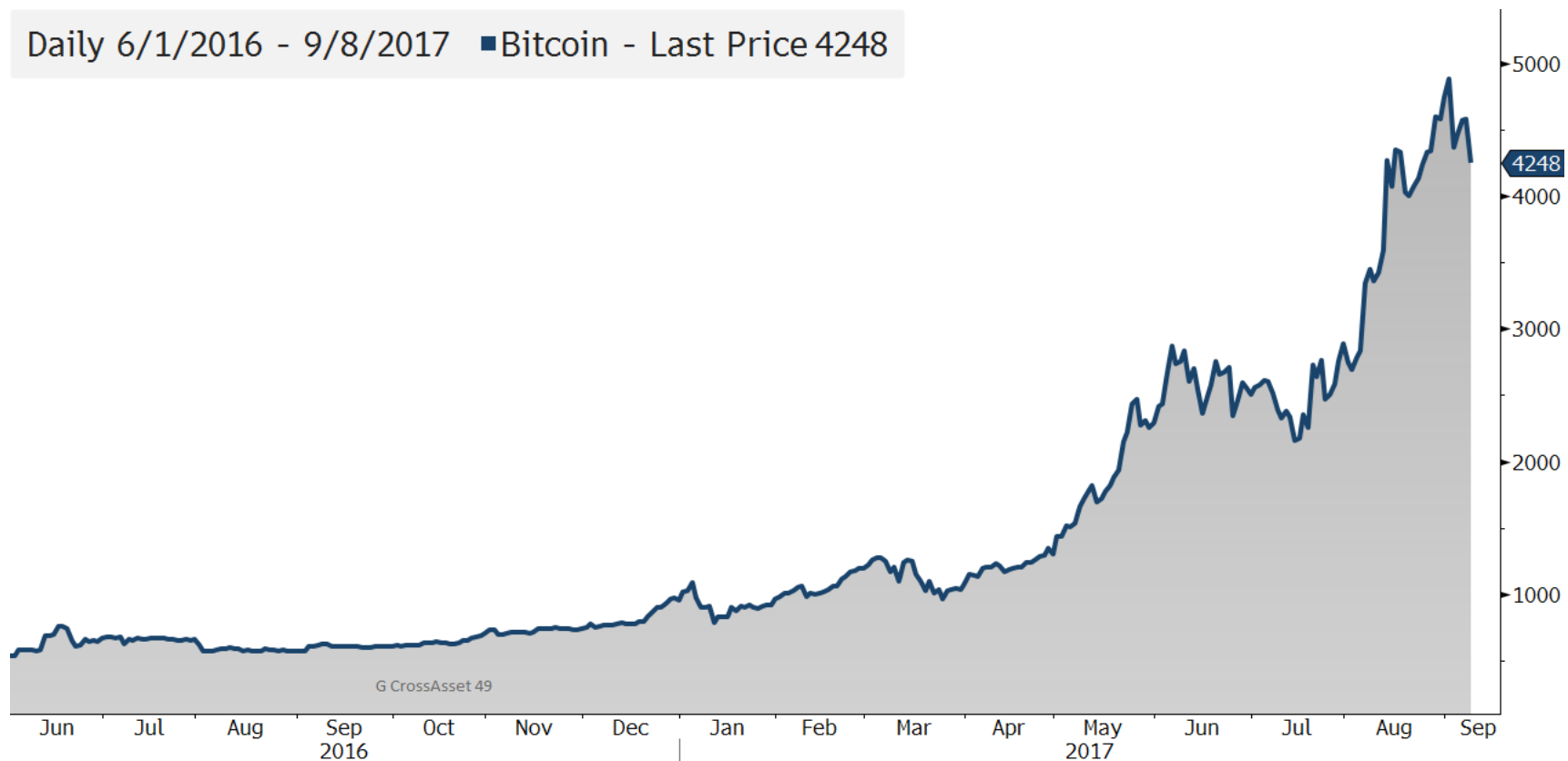
Source: Bloomberg, DoubleLine

S&P GSCI Total Return CME Index = Is an index widely recognized as a leading measure of general commodity price movements and inflation in the world economy. You cannot invest directly in an index.

# TAB III

## Fed Policy

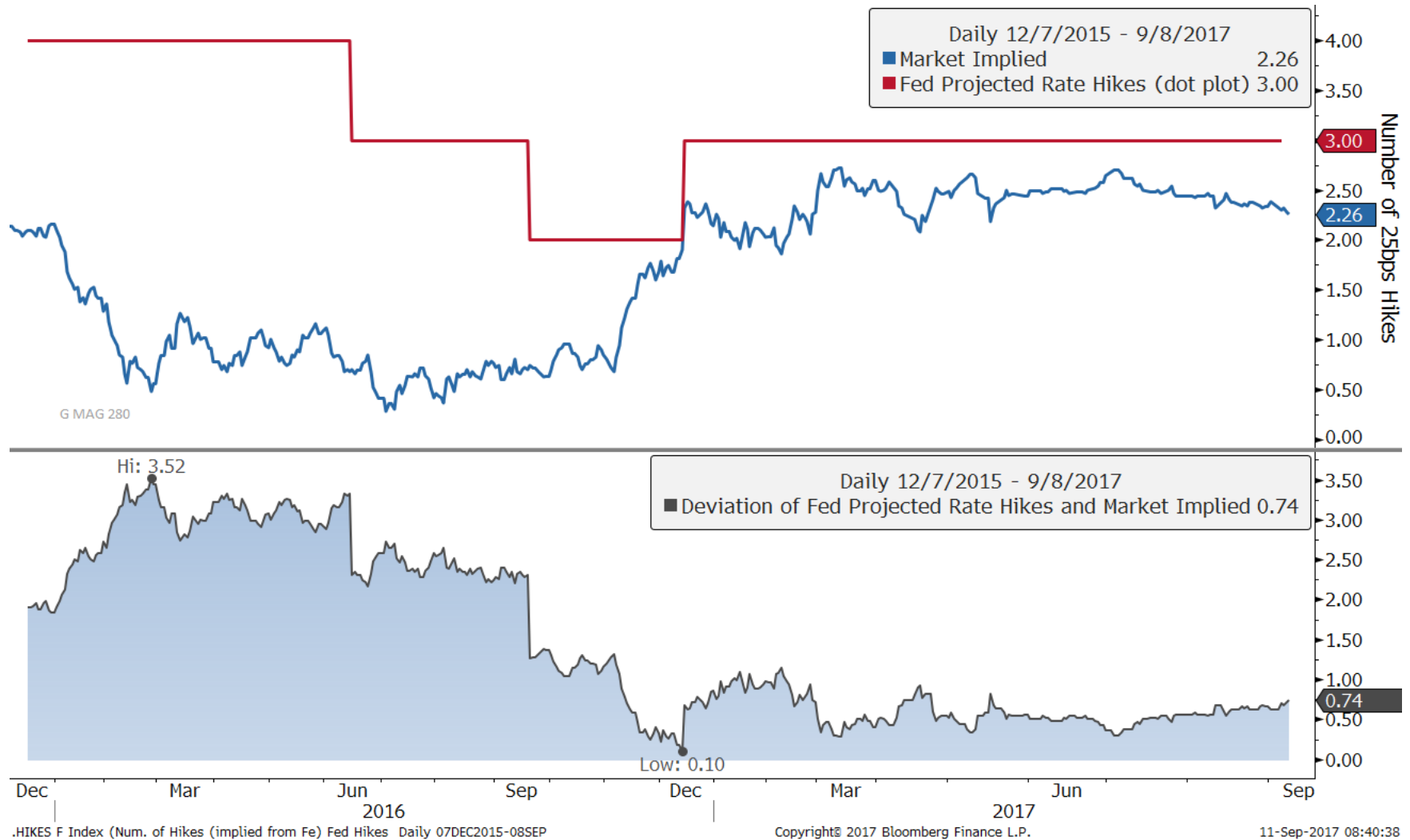
Daily 6/1/2016 - 9/8/2017 ■ Bitcoin - Last Price 4248



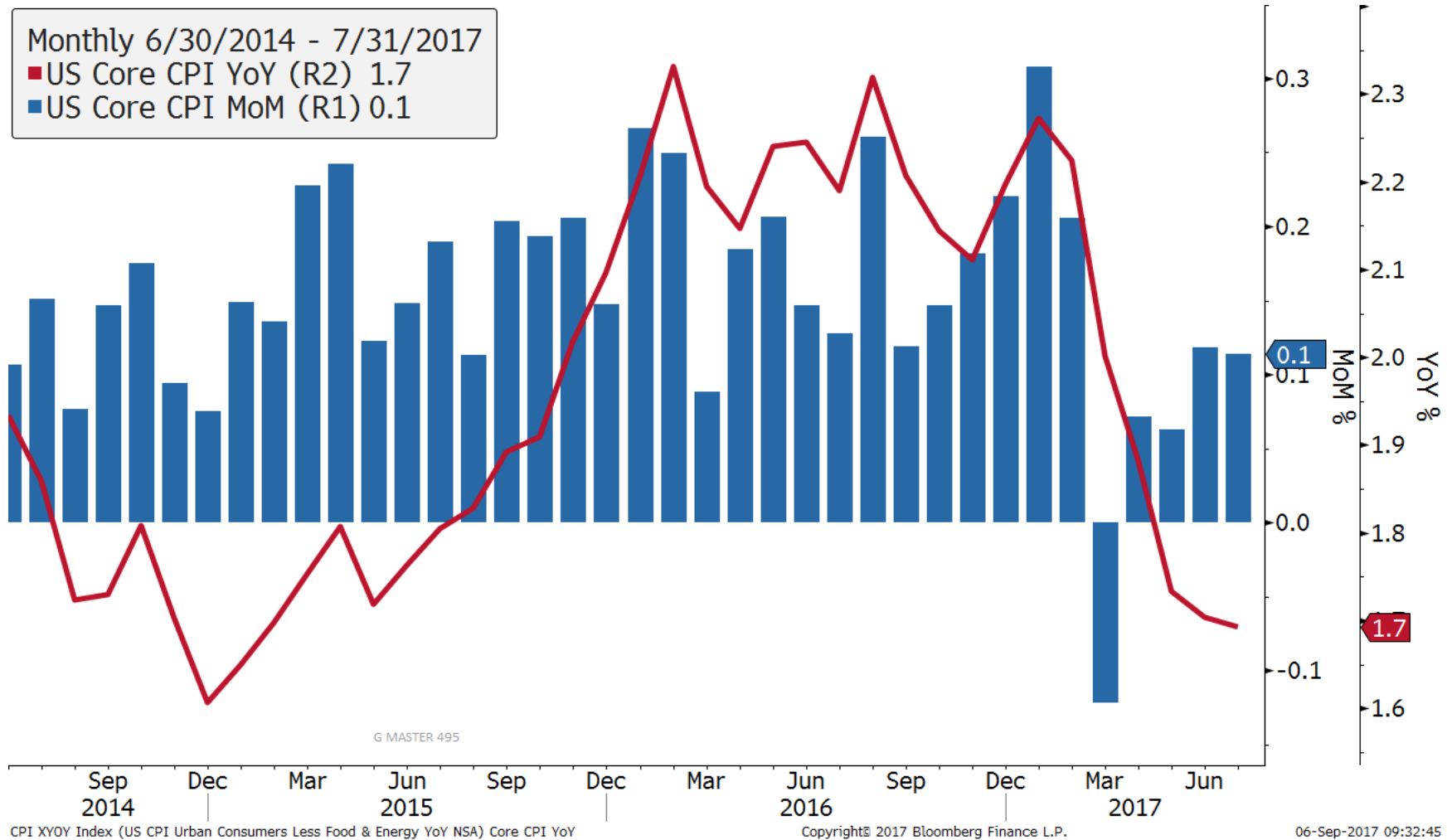
Source: Bloomberg

Bitcoin is a virtual currency that's decentralized, math-based digital assets in which transactions can be performed cryptographically without the need for any central issuing authority.

# Fed Dots vs. Market Implied



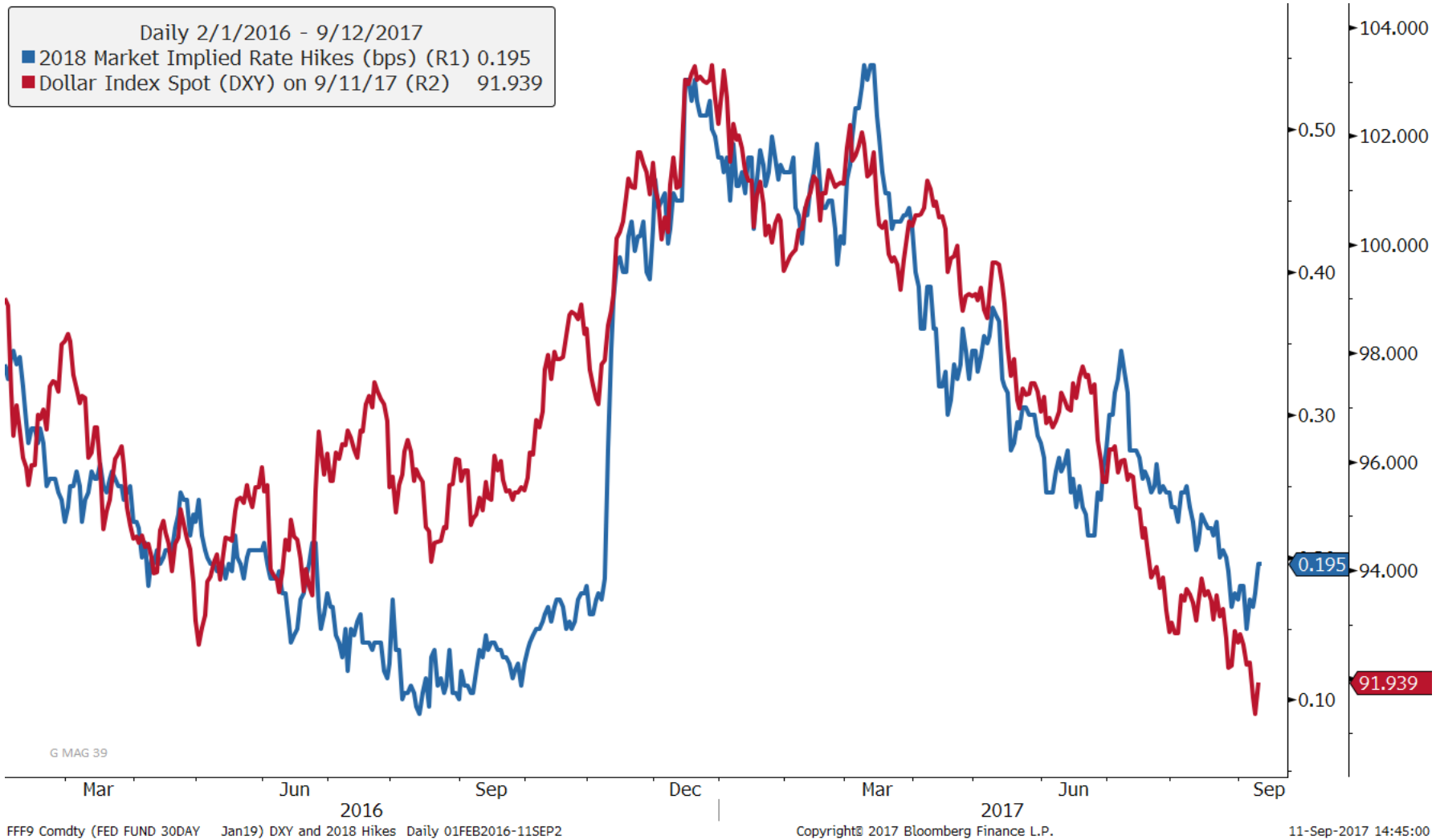
# Core CPI Only 1.7% (YoY)



Source: Bloomberg

CPI = Consumer Price Index is a measure that examines the weighted average of prices of a basket of consumer goods and service, such as transportation, food and medical care. YoY = year-over-year. MoM = Month-over-month. You cannot invest directly in an index.

# DXY and 2018 Rate Hikes



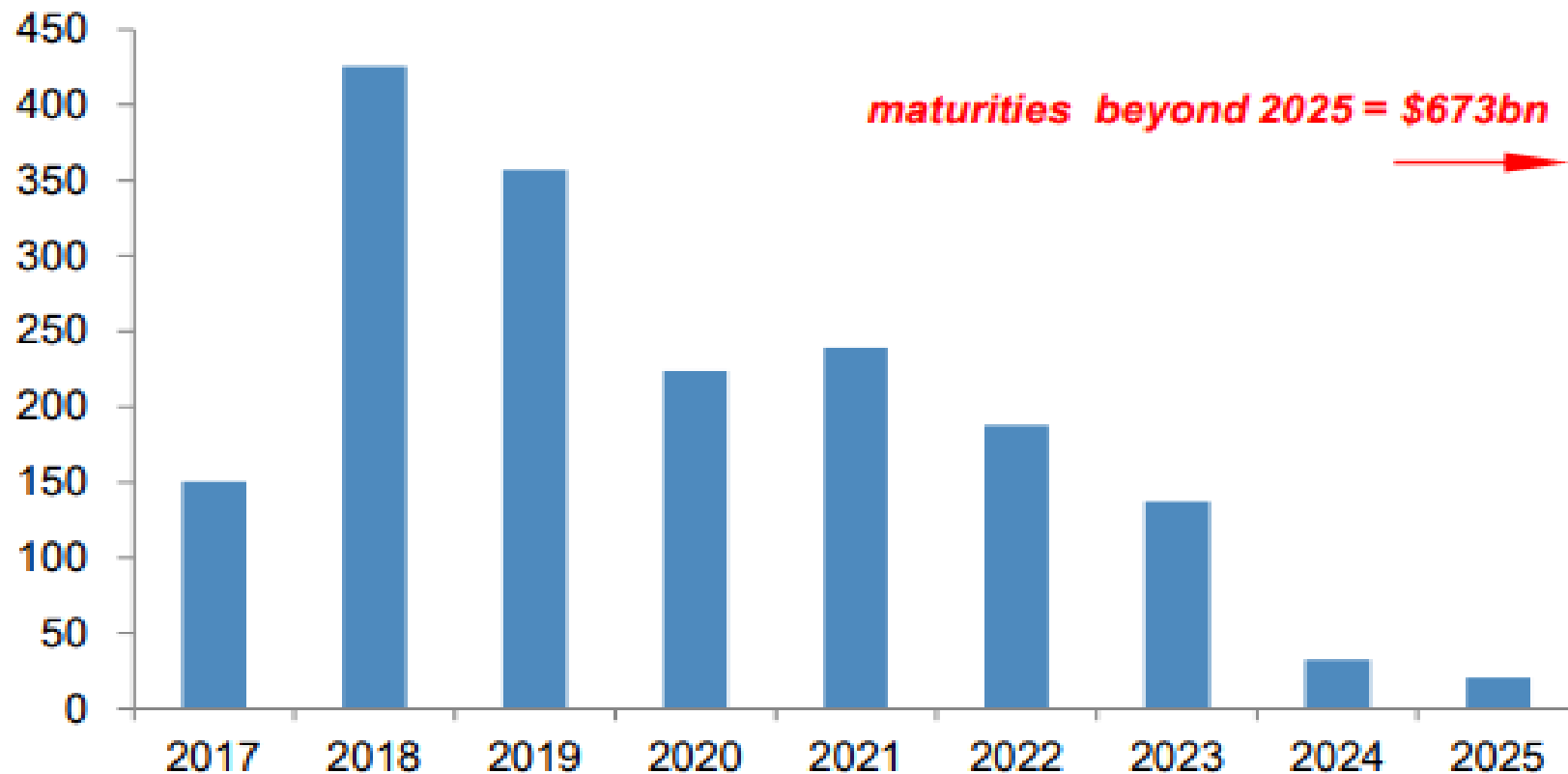
Source: Bloomberg

DXY = The U.S. Dollar index is the average exchange rates between the USD and major world currencies. BPS = basis points. You cannot invest directly in an index.

# Fed Balance Sheet As of June 22, 2017

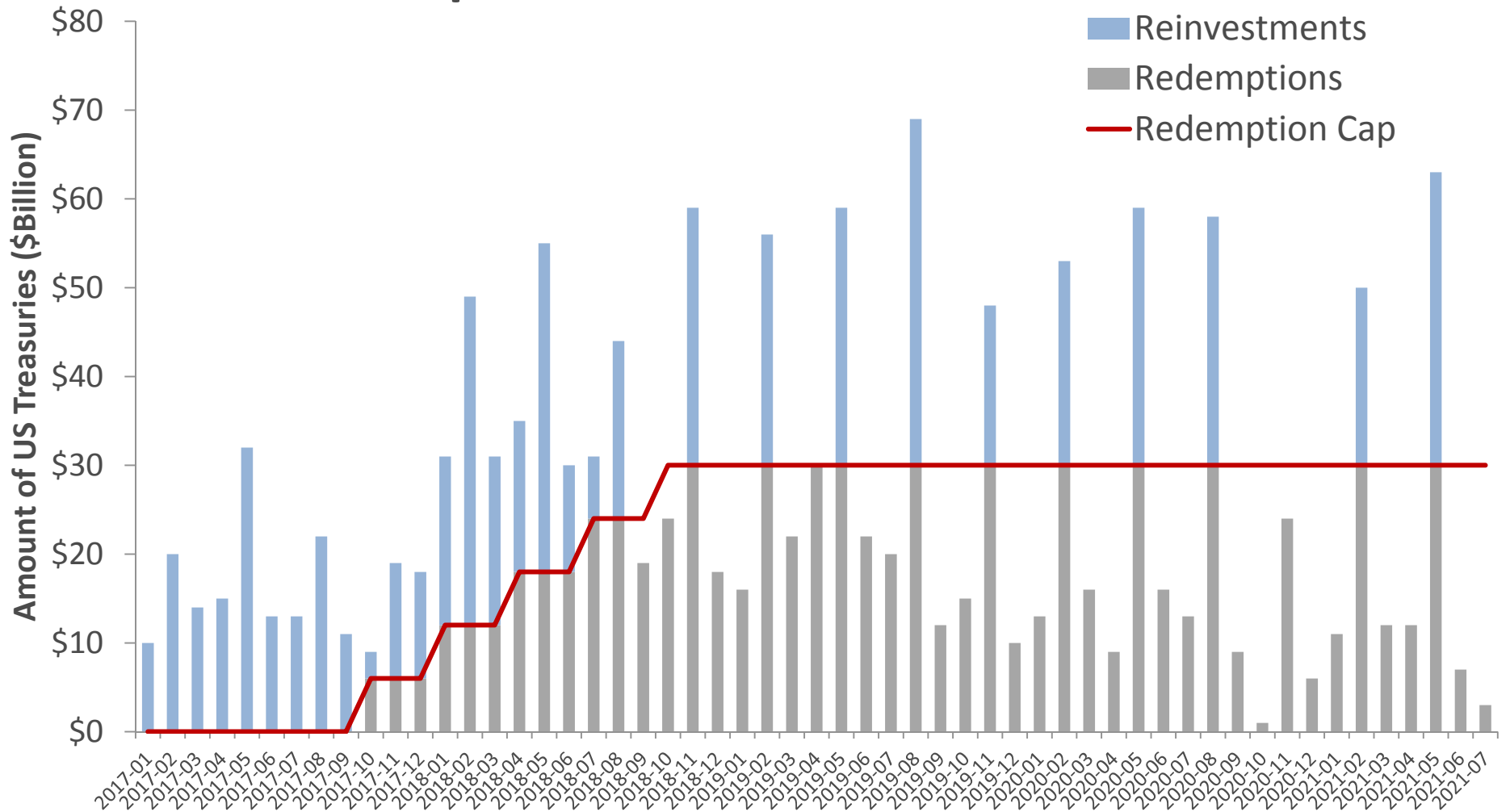
**Balance sheet run-off will also tighten financial conditions from late 2017**

Fed's SOMA Treasury holdings by year of maturity



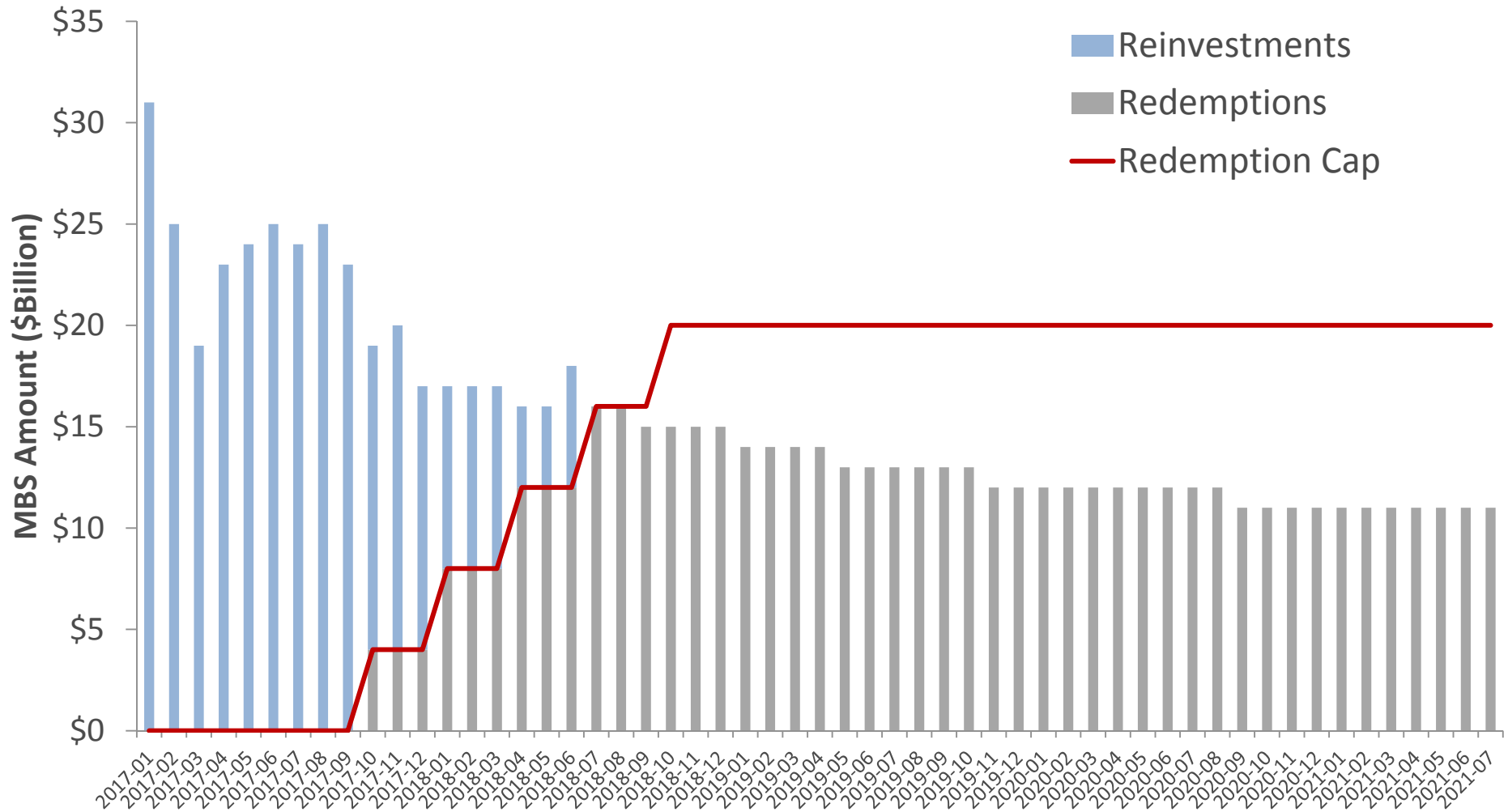
Source: JPMorgan  
SOMA = Federal Reserve System Open Market Account

# Projected SOMA Treasury Securities Maturity Profile Assumes September 2017 Announcement, October 2017 Implementation



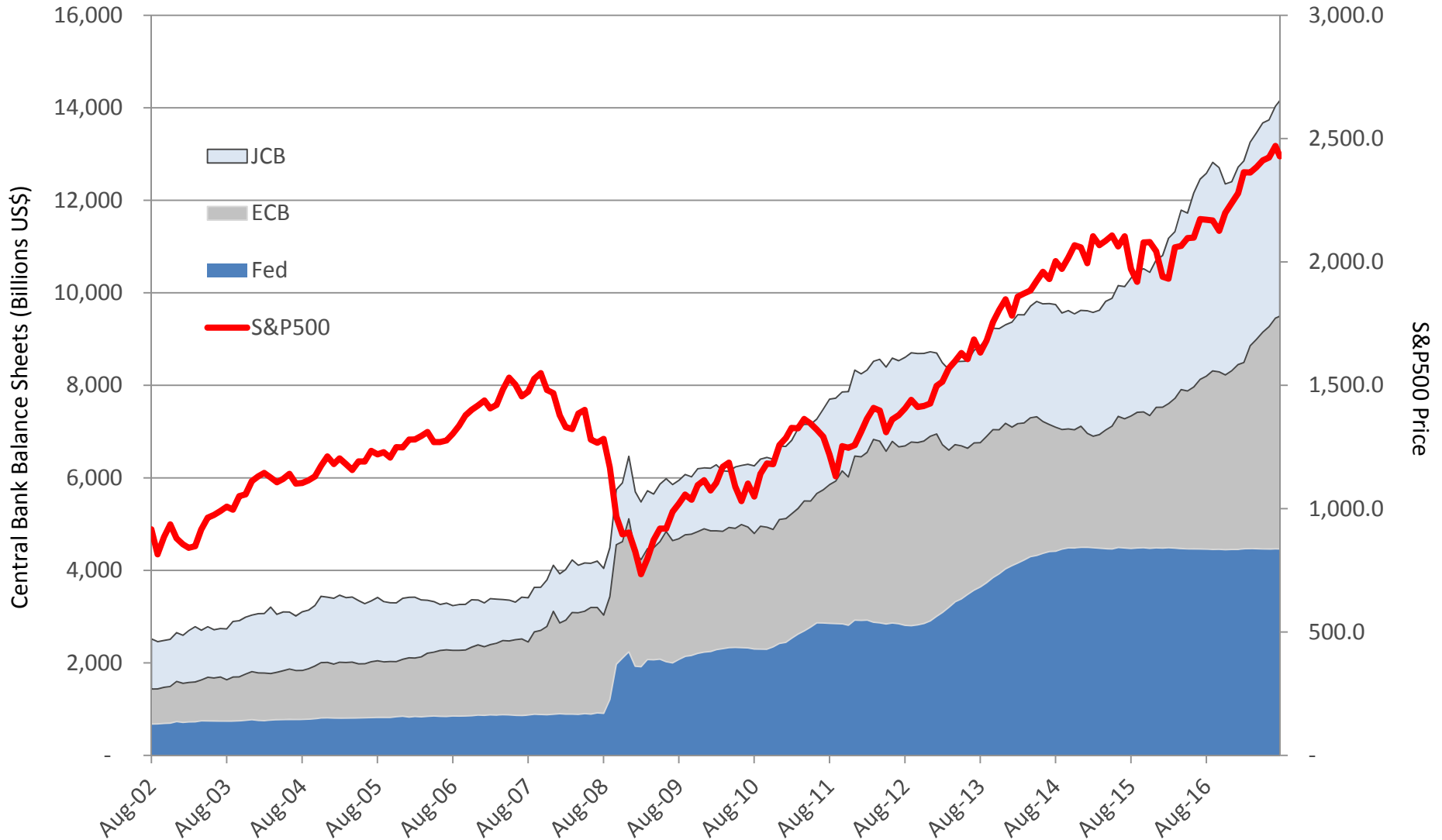
Source: New York Federal Reserve, DoubleLine  
 SOMA = Federal Reserve System Open Market Account  
 January 1, 2017 projected through July 2021

# Projected SOMA Mortgage-Backed Securities Maturity Profile Assumes September 2017 Announcement, October 2017 Implementation



Source: New York Federal Reserve, DoubleLine  
SOMA = Federal Reserve System Open Market Account  
January 1, 2017 projected through July 2021

# Central Bank Balance Sheet (US\$) & S&P 500



Source: Bloomberg August 31, 2002 to July 31, 2017

JCB= Japanese Central Bank, ECB = European Central Bank, S&P 500 = The S&P 500 is a stock market index that tracks the 500 most widely held stocks on the New York Stock Exchange or NASDAQ. It seeks to represent the entire stock market by reflecting the risk and return of all large cap companies. You cannot invest directly in an index.

# U.S. Earnings Revisions vs. Changes in Equity Price

January 1, 2001 to June 30, 2017

**Figure 9. Chg in US consensus earnings vs chg in equity price, %**

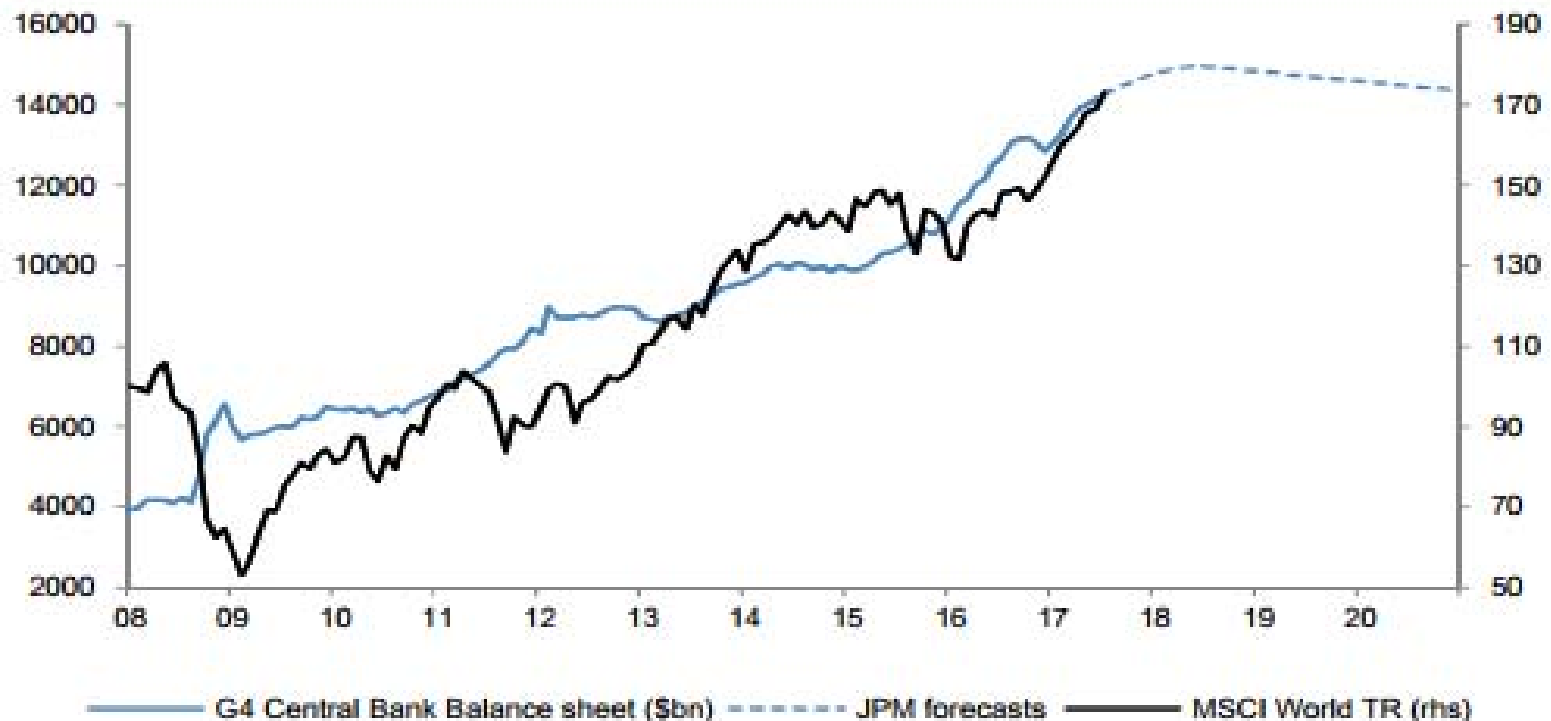


Source: Bloomberg, Citi Research.

US Equity = S&P 500. The S&P 500 is a stock market index that tracks the 500 most widely held stocks on the New York Stock Exchange or NASDAQ. It seeks to represent the entire stock market by reflecting the risk and return of all large cap companies. QE = Quantitative Easing. You cannot invest directly in an index.

# Central Bank Balance Sheet Quantitative Tightening Predicted

MSCI World index vs G4 Central Bank balance sheet % of GDP



Source: Bloomberg, J.P. Morgan, dotted line shows JPM forecasts

Source: Bloomberg January 1, 2008 to June 20, 2017, Projected through 2020.

YoY = year-over-year. G4 = Eurozone, U.S., U.K. and Japan. Japan. JPM = Japan. MSCI World Index is a free-float weighted equity index that includes both emerging and developed markets. GDP measures the amount of goods and services produced within a given country. You cannot invest directly in an index.

# S&P 500 % Above 200-Day Moving Average



Source: Bloomberg

S&P 500. The S&P 500 is a stock market index that tracks the 500 most widely held stocks on the New York Stock Exchange or NASDAQ. It seeks to represent the entire stock market by reflecting the risk and return of all large cap companies. You cannot invest directly in an index.

# S&P 500 vs. S&P 500 Equal Weight/S&P 500

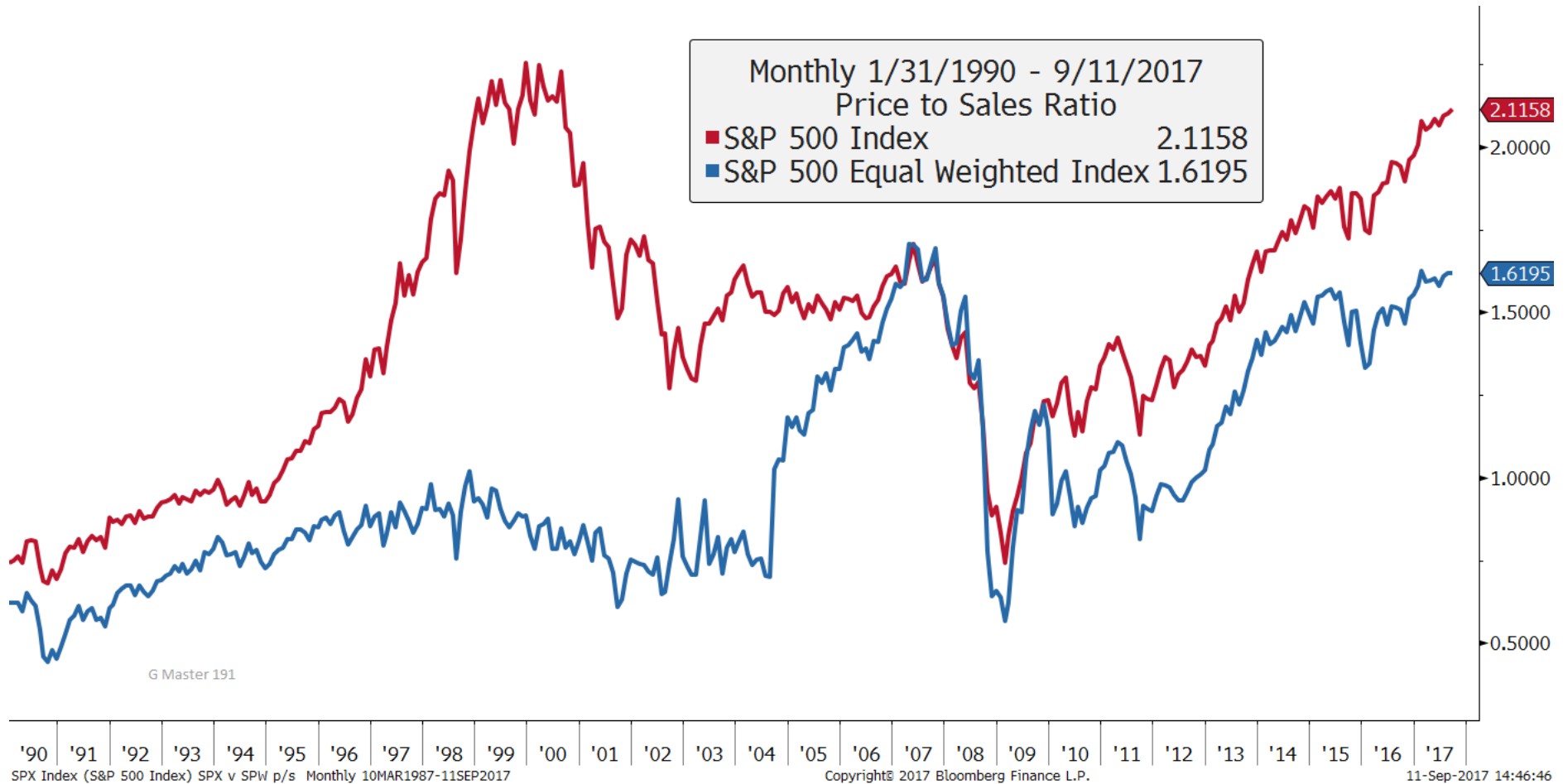


Source: Bloomberg

S&P 500. The S&P 500 is a stock market index that tracks the 500 most widely held stocks on the New York Stock Exchange or NASDAQ capitalization weighted.. It seeks to represent the entire stock market by reflecting the risk and return of all large cap companies. S&P 500 Equal-weighted is the S&P 500 weighted equally and not by capitalization weighted.

You cannot invest directly in an index.

# Price to Sales Ratio: S&P 500 and S&P 500 Equal Weight



Source: Bloomberg

S&P 500 Index is the American stocks market index based on market capitalizations of 500 largest companies having common stocks listed on NYSE and NASDAQ. S&P 500 Equal-weighted is the S&P 500 Index with stocks equal-weighted instead of capitalization weighted. Price-to-Sales ratio is calculated by dividing the company's market cap by the revenue in the most recent year. You cannot invest directly in an index.

# TAB IV

## Bloodless Verdict of the Market

# U.S. Dollar (DXY)

Daily 12/31/2007 - 9/12/2017  
■ Dollar Index Spot (DXY) 91.923

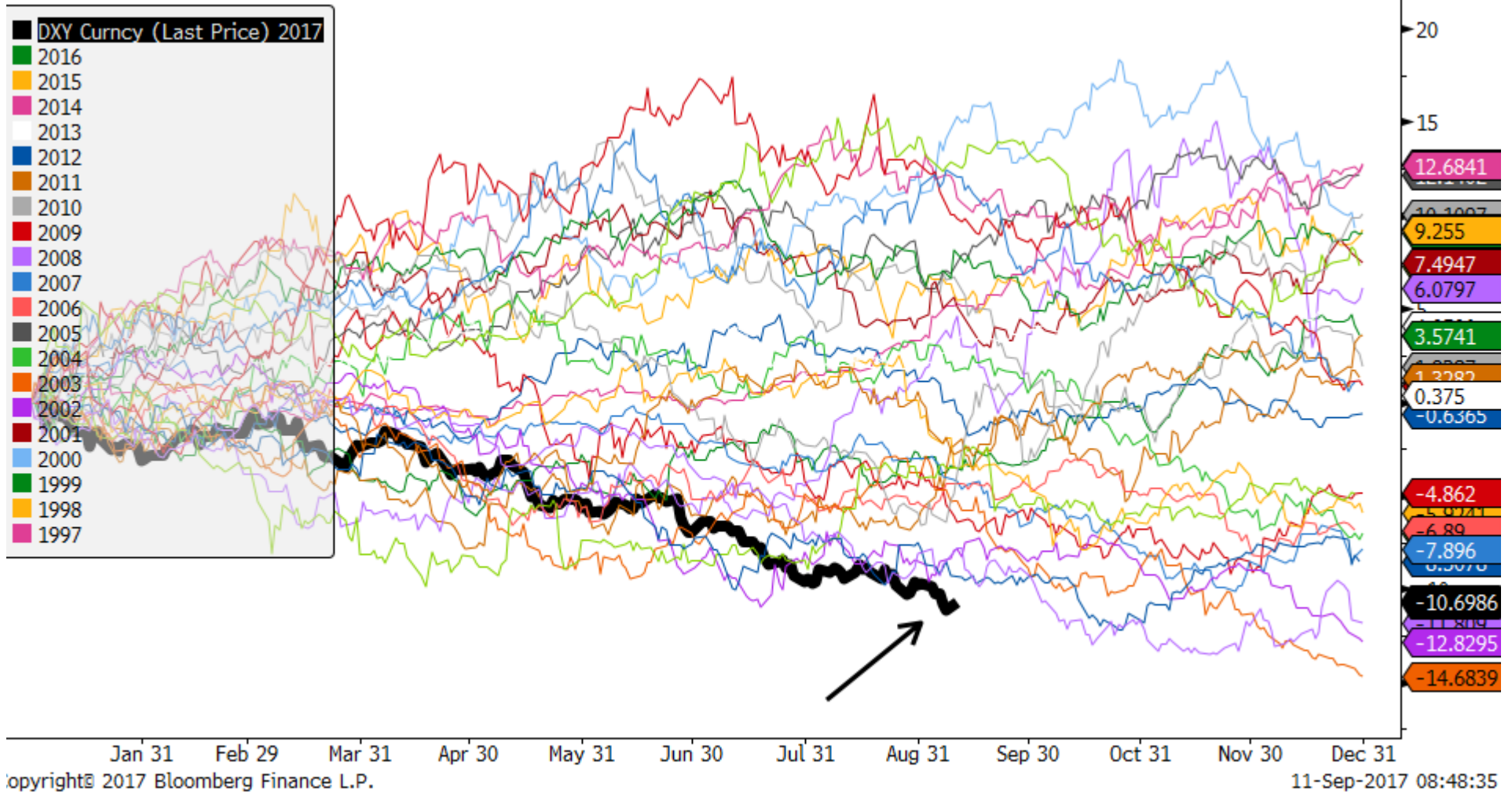


Source: Bloomberg

DXY = The U.S. Dollar spot index indicates the value of the US dollar exchange rates versus other major world currencies using prices from 500 banks. You cannot invest directly in an index. 9-12-17 TR Webcast 32

# DXY Performance Year-To-Date

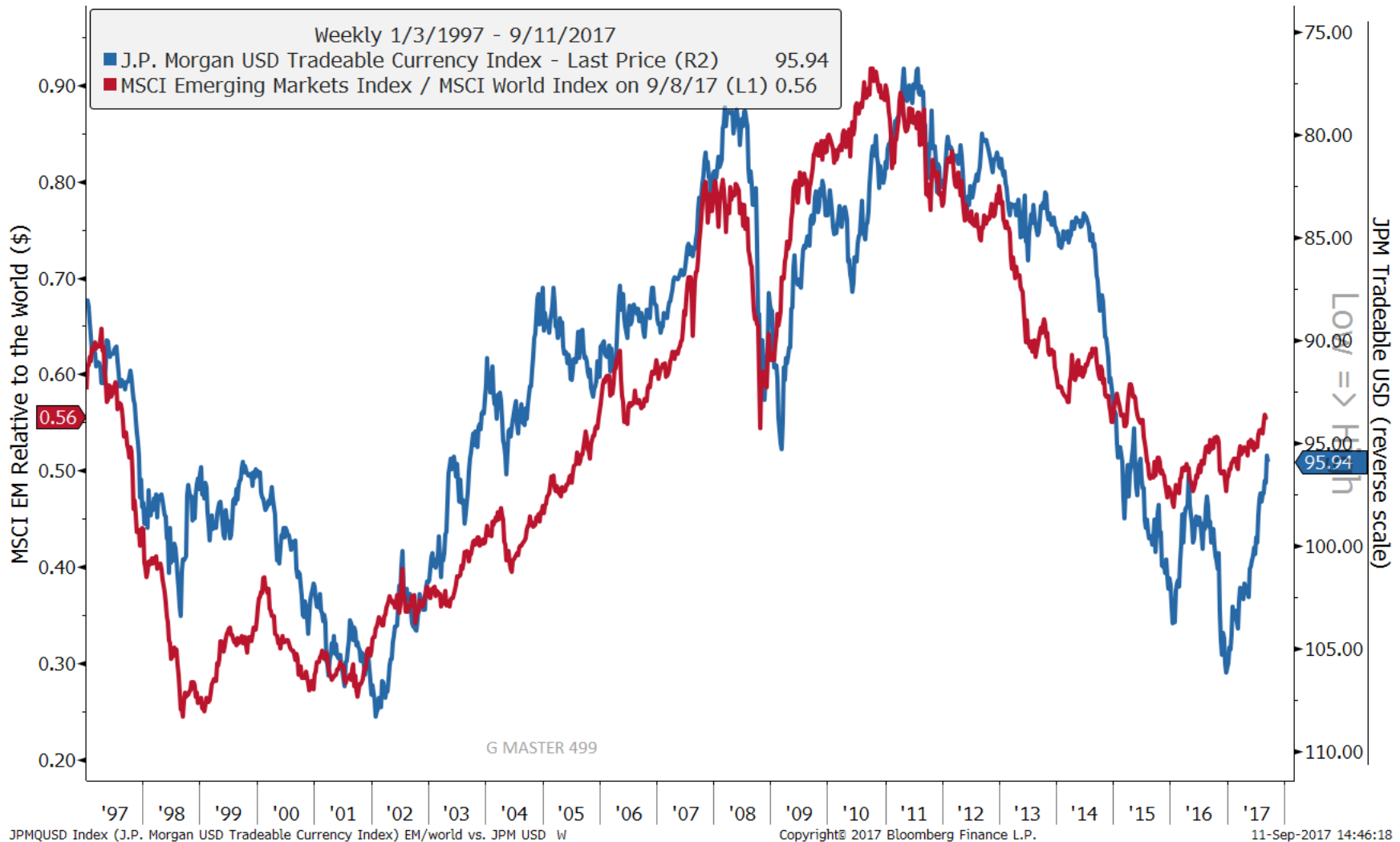
As of September 11, 2017



Source: Bloomberg

Chart for years indicated. 2017 Year-To-Date is through September 7, 2017. DXY = The U.S. Dollar spot index indicates the value of the US dollar exchange rates versus other major world currencies using prices from 500 banks. You cannot invest directly in an index.

# Emerging Markets vs. Developed Markets and U.S. Dollar

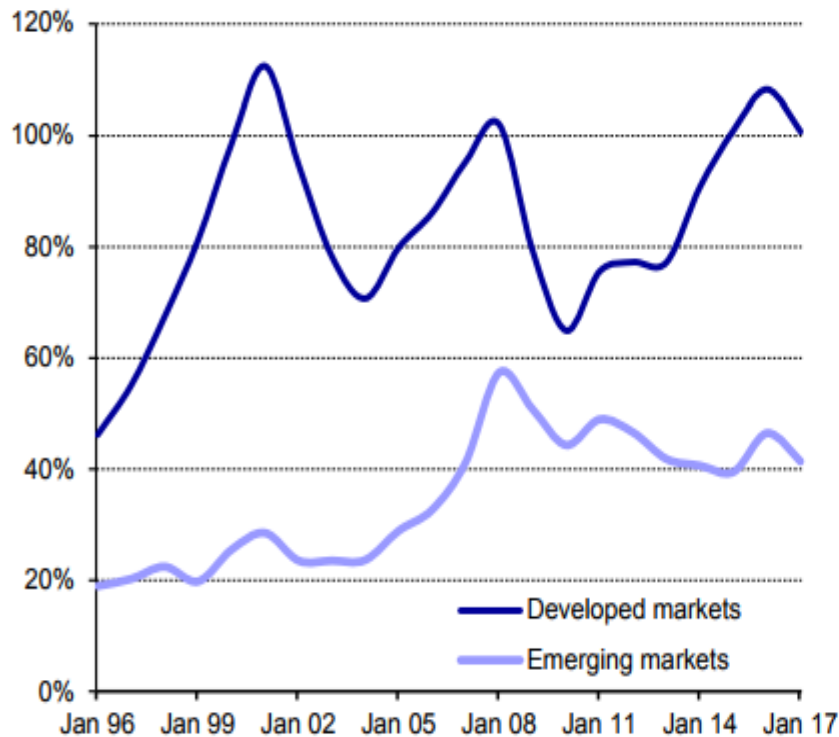


Source: Datastream, Bloomberg

MSCI EM Index = A float-adjusted market capitalization index that consists of indices in 23 emerging economies: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey and the United Arab Emirates. JP Morgan USD Tradeable Currency Index = Is an index that is not investable. It tracks the volatility in the U.S. dollar. DM = Developed Market. USD = U.S. Dollar. You cannot invest directly in an index.

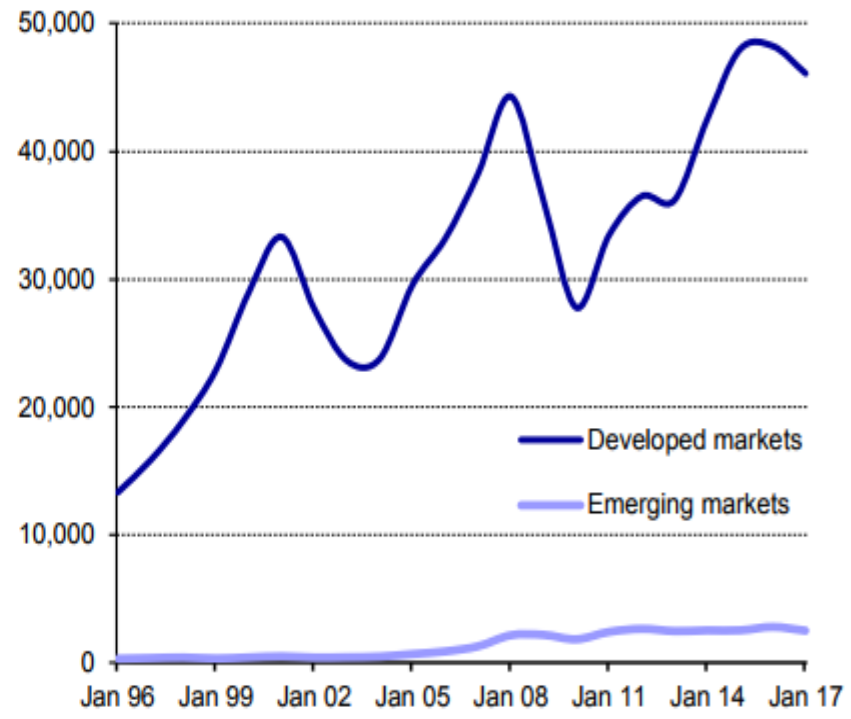
# Emerging Markets Market Cap Per GDP and Capita

**Figure 10: Emerging versus developed market capitalisation to GDP**



Source: Thomson Reuters, IMF, Credit Suisse research

**Figure 11: Emerging versus developed market capitalisation per capita (US\$)**

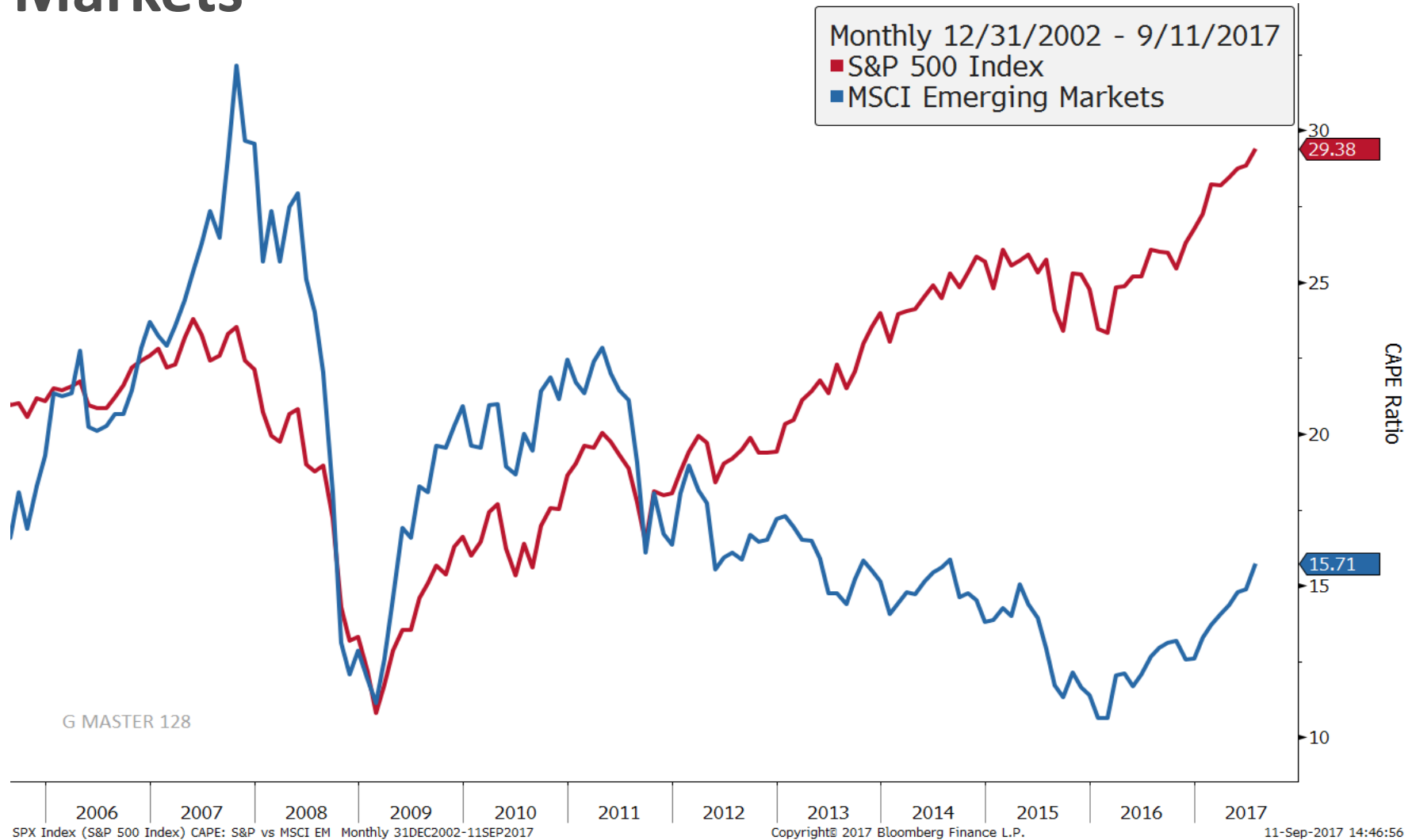


Source: Thomson Reuters, IMF, Credit Suisse research

Source: Bloomberg

GDP = Gross Domestic Product is the amount of goods and services produced within a given country. Emerging Markets = MSCI EM GDP Index = Is a GDP weighted index designed to reflect the size of a country's economy or GDP in Emerging Markets. Developed Markets = MSCI World GDP weighted index is based on the flagship MSCI World Index. The weight of each country is derived from its economic size using GDP data across 24 Developed Markets countries. You cannot invest directly in an index.

# CAPE Ratios: S&P 500 vs. MSCI Emerging Markets



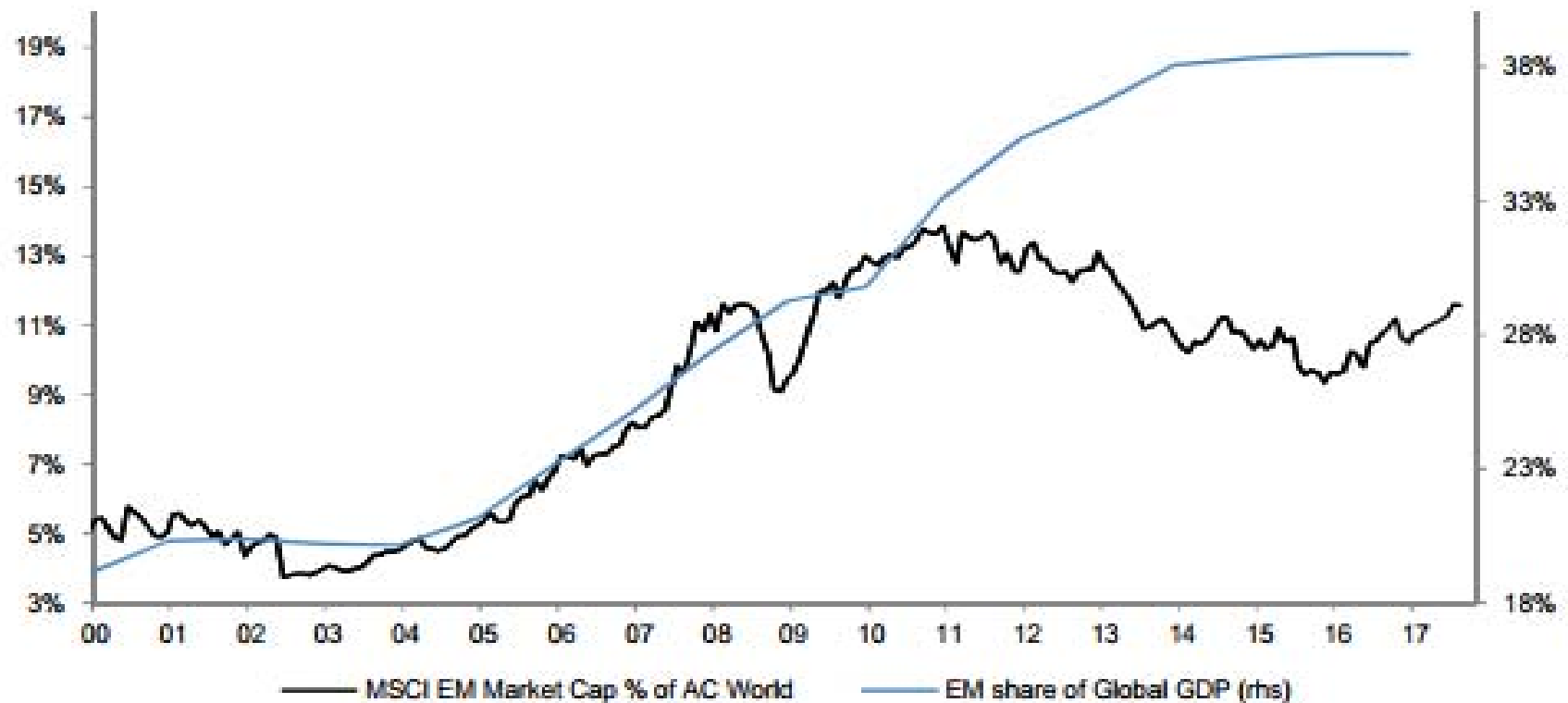
Data Source: Bloomberg

CAPE Ratio was developed by Dr. Robert Shiller. It's the cyclically adjusted price-to-earnings ratio is a valuation measure usually applied to the U.S. S&P 500 equity market. S&P 500 Index is the American stocks market index based on market capitalizations of 500 largest companies having common stocks listed on NYSE and NASDAQ. . MSCI EM Index is a free-float weighted equity index that captures large and mid-cap representation across Emerging Markets (EM) countries. MSCI EM Index = A float-adjusted market capitalization index that consists of indices in 23 emerging economies: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey and the United Arab Emirates. You cannot invest directly in an index.

# Emerging Markets Equities

January 1, 2000 to August 7, 2017

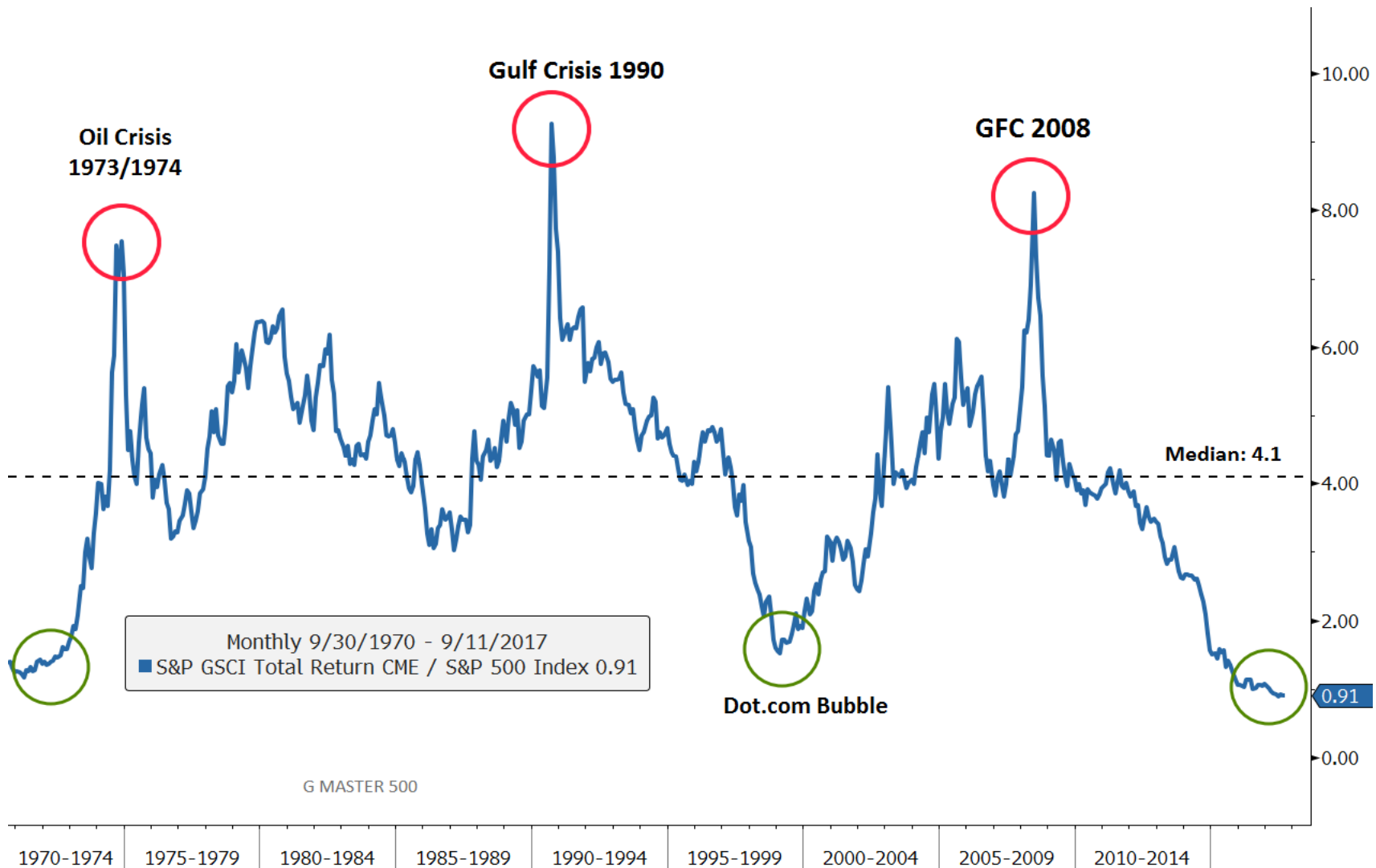
## EM share of Global Market Cap and of Global GDP



Source: JPMorgan

GDP is the amount of goods and services produced within a given country. EM = Emerging Markets. MSCI EM Index = A float-adjusted market capitalization index that consists of indices in 23 emerging economies: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey and the United Arab Emirates.

# Equities vs. Commodities



Source: Dr. Toresten Dennin, Incrementum AG  
SPGSCITR Index (S&P GSCI Total Return CME) GSCI/SPX Monthly 30SEP1970-11SEP2017

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GSCI Commodity Index = Is a widely recognized leading measure of general price movements and inflation in the world economy. GFC = Global Financial Crisis. S&P 500 Index is the American stocks market index based on market capitalizations of 500 largest companies having common stocks listed on NYSE and NASDAQ. You cannot invest directly in an index.

# Bloomberg Industrial Metals (BCOMIN)



BCOMIN = Bloomberg Industrial metals index composed of futures contracts on aluminum, copper, nickel and zinc. It reflects the return of the underlying futures price movements. SMAV = Standard moving average. You cannot invest directly in an index.

# Gold Spot (with 200-day Moving Average)



Source: Bloomberg, DoubleLine  
Spot price of gold quoted in Troy ounces. SMAV = standard moving average. You cannot invest directly in an index.

# GDX ETF (with 200-day Moving Average)

Daily 12/31/2010 - 9/11/2017  
 ■ VanEck Vectors Gold Miners ETF - Last Price 24.56  
 □ SMAVG (200) 22.6481



Source: Bloomberg, DoubleLine

GDX = VanEck Vectors Gold Miners Exchange Traded Fund (ETF) is an exchange-traded fund tracking performance of the NYSE Arca Gold Miners Index which is a market capitalization weighted index comprised of publicly traded companies involved primarily in the mining for gold and silver. GDX is being used as a proxy. Please see appendix for further information. SMAV – Standard moving average. You cannot invest directly in an index.

# U.S. 2-Year Treasury



Source: Bloomberg Financial Services, DoubleLine Capital LP  
GT02 = US 2 Year Treasury Bond. You cannot invest directly in an index.

# U.S. 5-Year Treasury



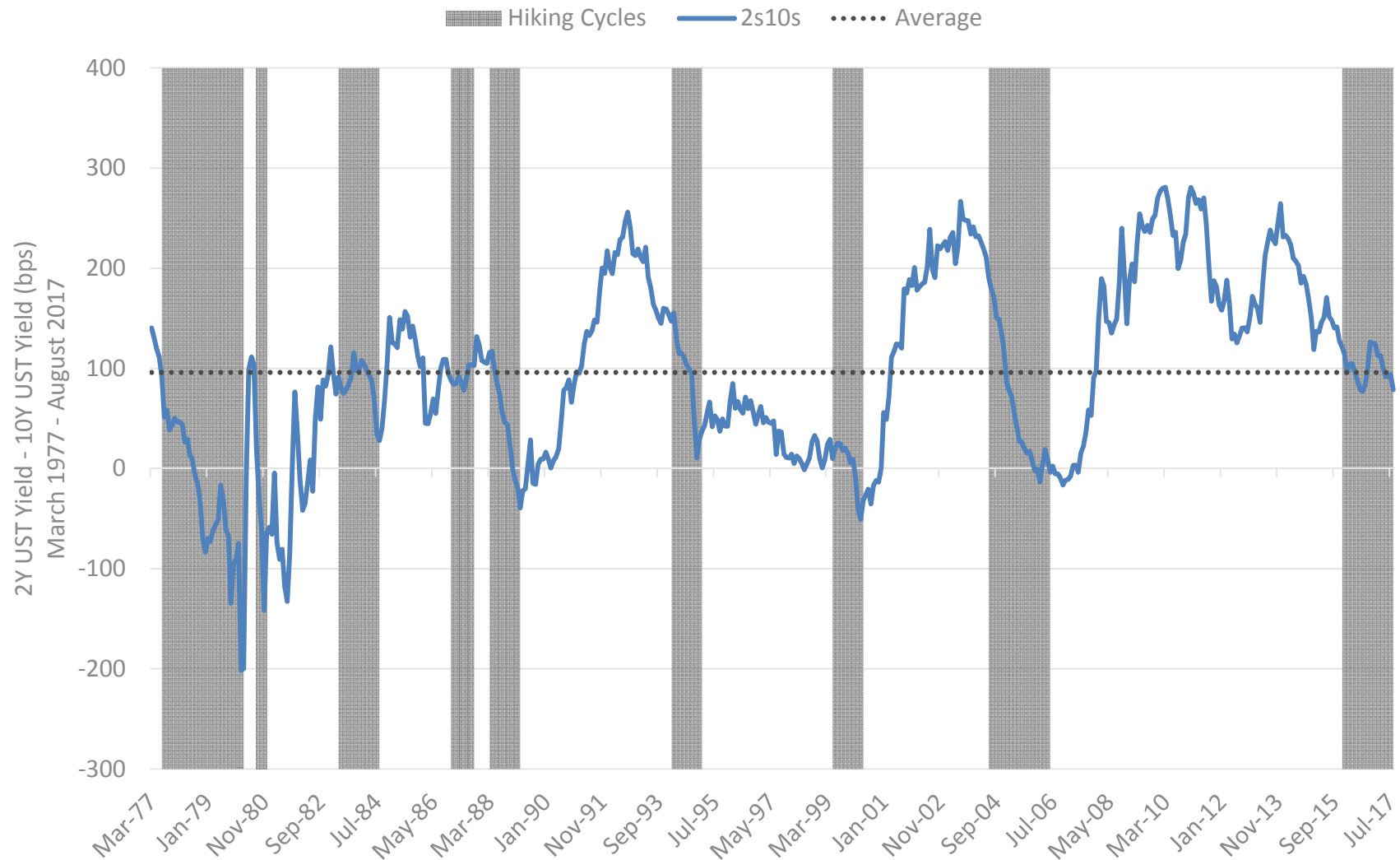
Source: Bloomberg Financial Services, DoubleLine Capital LP  
GT5 = US 5 Year Treasury Bond. You cannot invest directly in an index.

# U.S. 10-Year Treasury



Source: Bloomberg Financial Services, DoubleLine Capital LP  
GT10 = US 10 Year Treasury Bond. You cannot invest directly in an index.

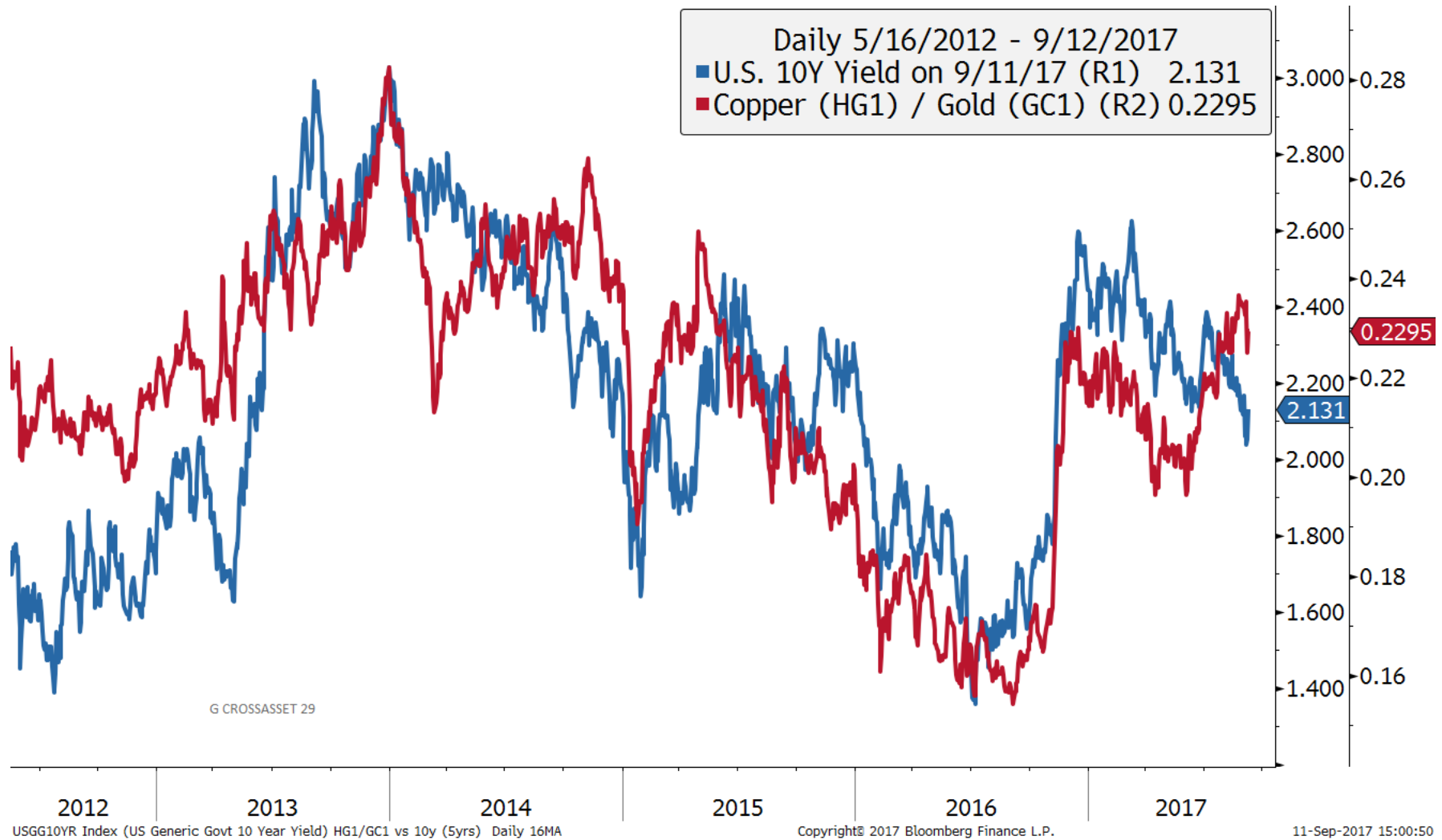
# U.S. Treasury 2s to 10s & Fed Hiking Cycles



Source: Bloomberg Financial Services, DoubleLine Capital LP

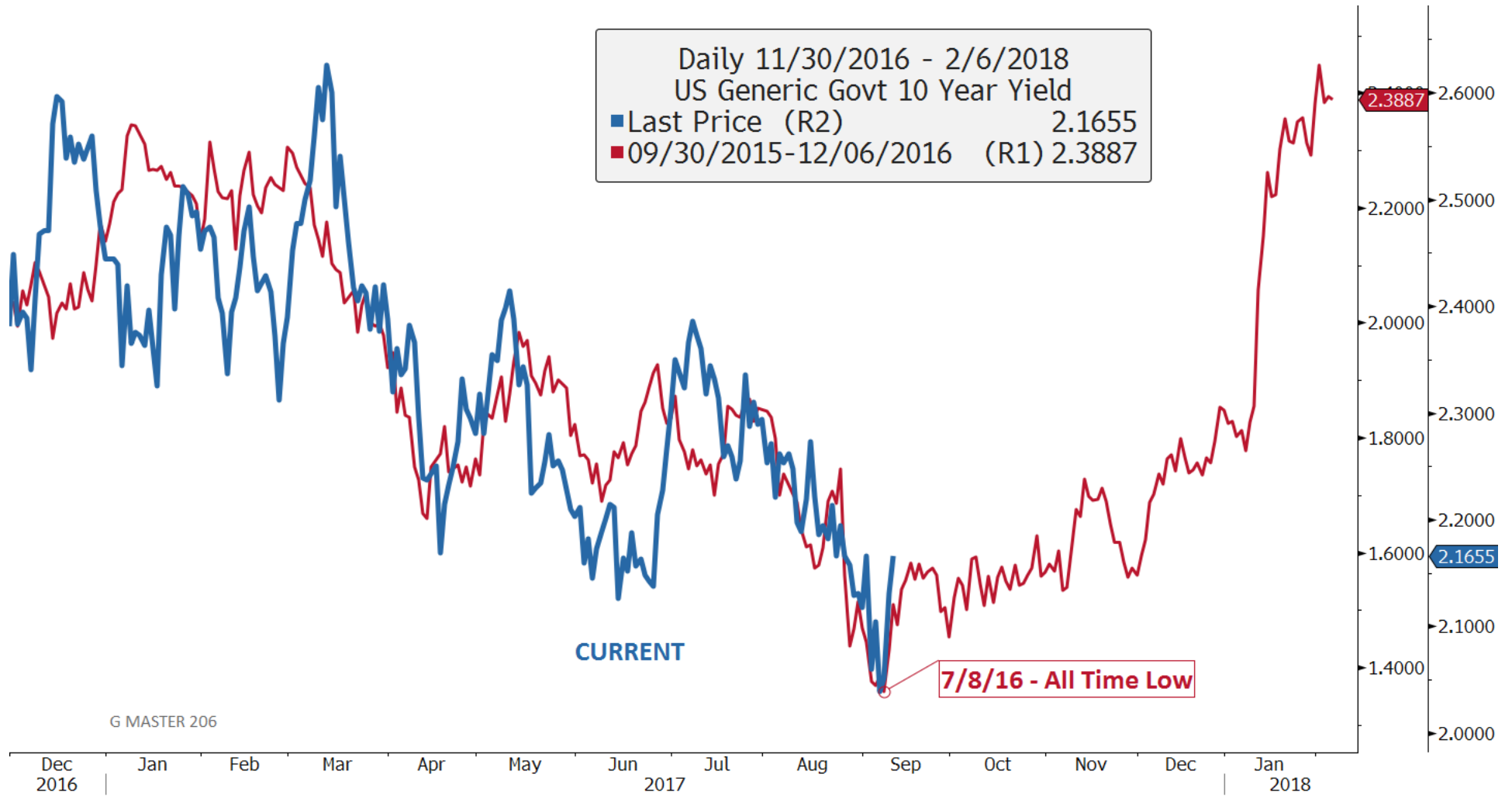
2s to 10s = U.S. 2-year Treasury vs. 10-year U.S. Treasury. GT10 = US 10 Year Treasury Bond. GT02 = 2year U.S. Treasury bond. You cannot invest directly in an index.

# Copper/Gold Ratio vs. U.S. Treasury 10-year Yield (5-year chart)



Source: Bloomberg  
USGG10Yr Index = U.S. 10-year Treasury. HG1 Comdty = Copper. GC1 = Gold futures. You cannot invest directly in an index.

# Current U.S. 10-Year Yields vs. 2016 low



USGG10YR Index (US Generic Govt 10 Year Yield) Current v July16 10Y UST Daily 3

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12-Sep-2017 08:08:07

Source: Bloomberg, DoubleLine  
 You cannot invest directly in an index.

# U.S. 30-Year Treasury



Source: Bloomberg Financial Services, DoubleLine Capital LP  
GT30 = US 30 Year Treasury Bond. You cannot invest directly in an index.

# TAB V

## DBLTX

# Fixed Income Mutual Fund Assets – One Year



Normalized As Of 09/12/2016	
Daily 9/12/2016 - 9/11/2017	
Fund Total Assets	
TCW Total Return Bond Fund	83.60
JPMorgan Mortgage-Backed Securities Fund	80.11
PIMCO Mortgage-Backed Securities Fund	84.93
DoubleLine Total Return Bond Fund	87.74

G 149

TGLMX US Equity (TCW Total Return Bond Fund) MF Flows - 1 yr Daily 11SEP2016-11

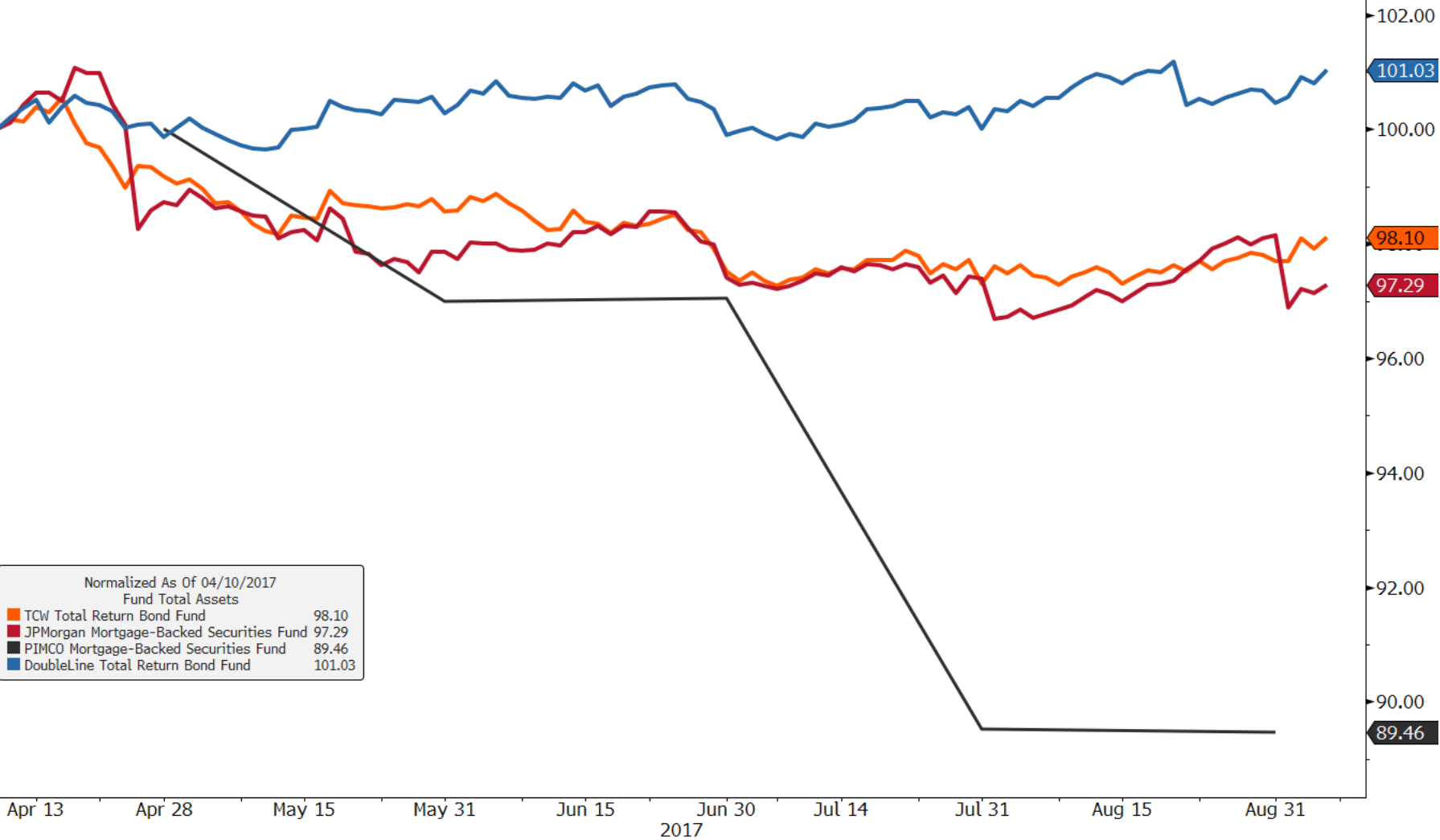
Copyright© 2017 Bloomberg Finance L.P.

11-Sep-2017 18:44:32

Source: Bloomberg, DoubleLine

See appendix for further Fund descriptions. These Funds were selected as they are all Intermediate-term bond funds with a mortgage-backed securities focus. The chart illustrates outflows from the asset class for the period indicated.

# Fixed Income Mutual Fund Assets – Last Five Months



TGLMX US Equity (TCW Total Return Bond Fund) MF Flows - 5 mo Daily 08APR2017-08

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08-Sep-2017 10:43:02

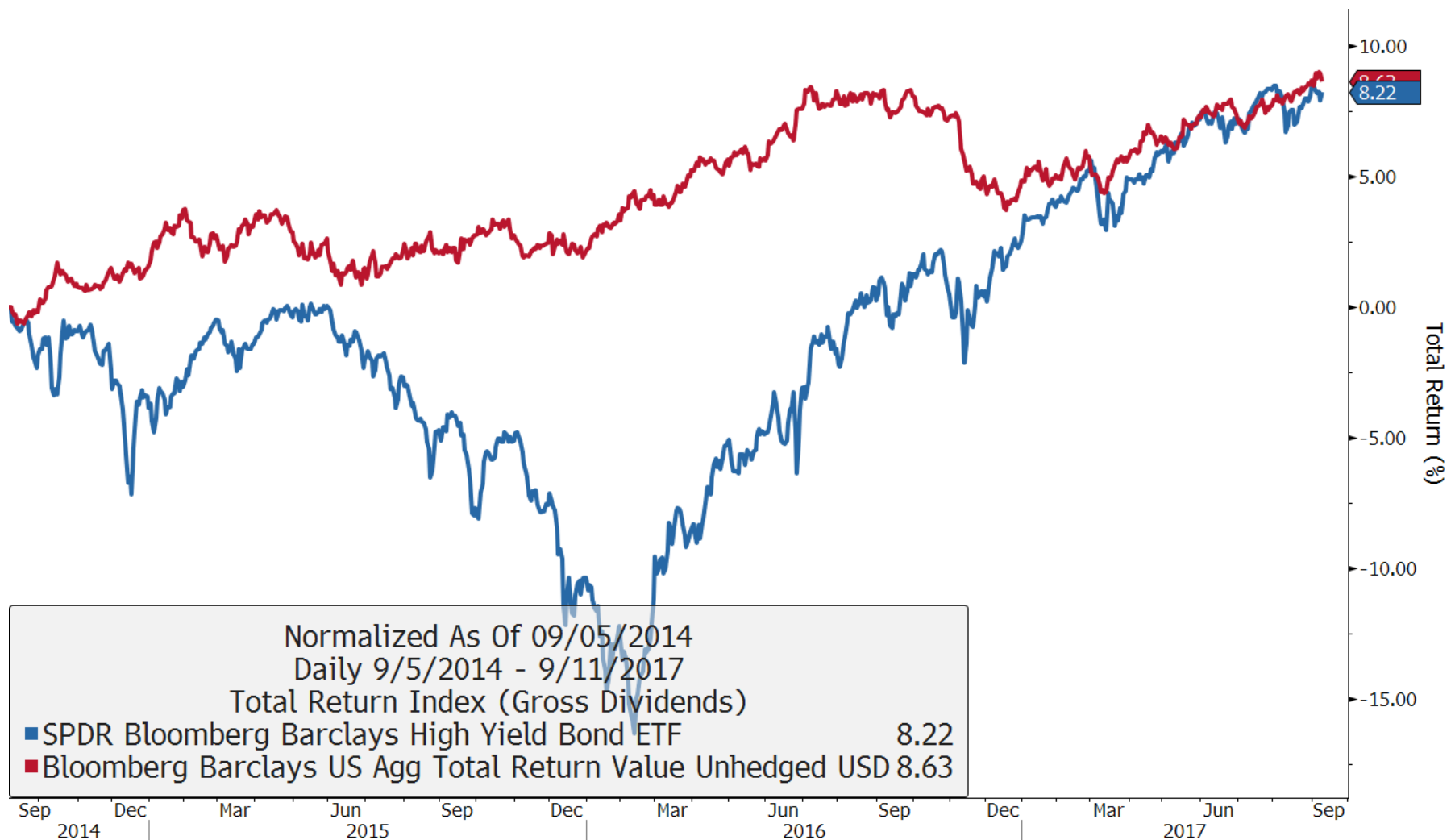
Source: Bloomberg, DoubleLine  
See appendix for further Fund descriptions. These Funds were selected as they are all Intermediate-term bond funds with a mortgage-backed securities focus. The chart illustrates outflows from the asset class for the period indicated.

# Fixed Income ETF Assets



Source: Bloomberg, DoubleLine  
See appendix for further ETF descriptions.

# Junk Bonds (JNK) vs. BB Aggregate Bond Index 3-Year Returns



JNK US Equity (SPDR Bloomberg Barclays High Yield Bond ETF) JNK v BB Agg Daily

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11-Sep-2017 15:26:56

Source: Bloomberg, DoubleLine

JNK = SPDR Bloomberg Barclays High Yield Bond ETF is an exchange-traded fund seeking investment results that correspond to the price and yield of the Bloomberg Barclays High Yield Very Liquid Bond Index. LBUSTRUU= Bloomberg Barclays US Aggregate Index. You cannot invest directly in an index. See appendix for further index description.

# Junk Bonds (JNK) - 5 years with 200-day Moving Average

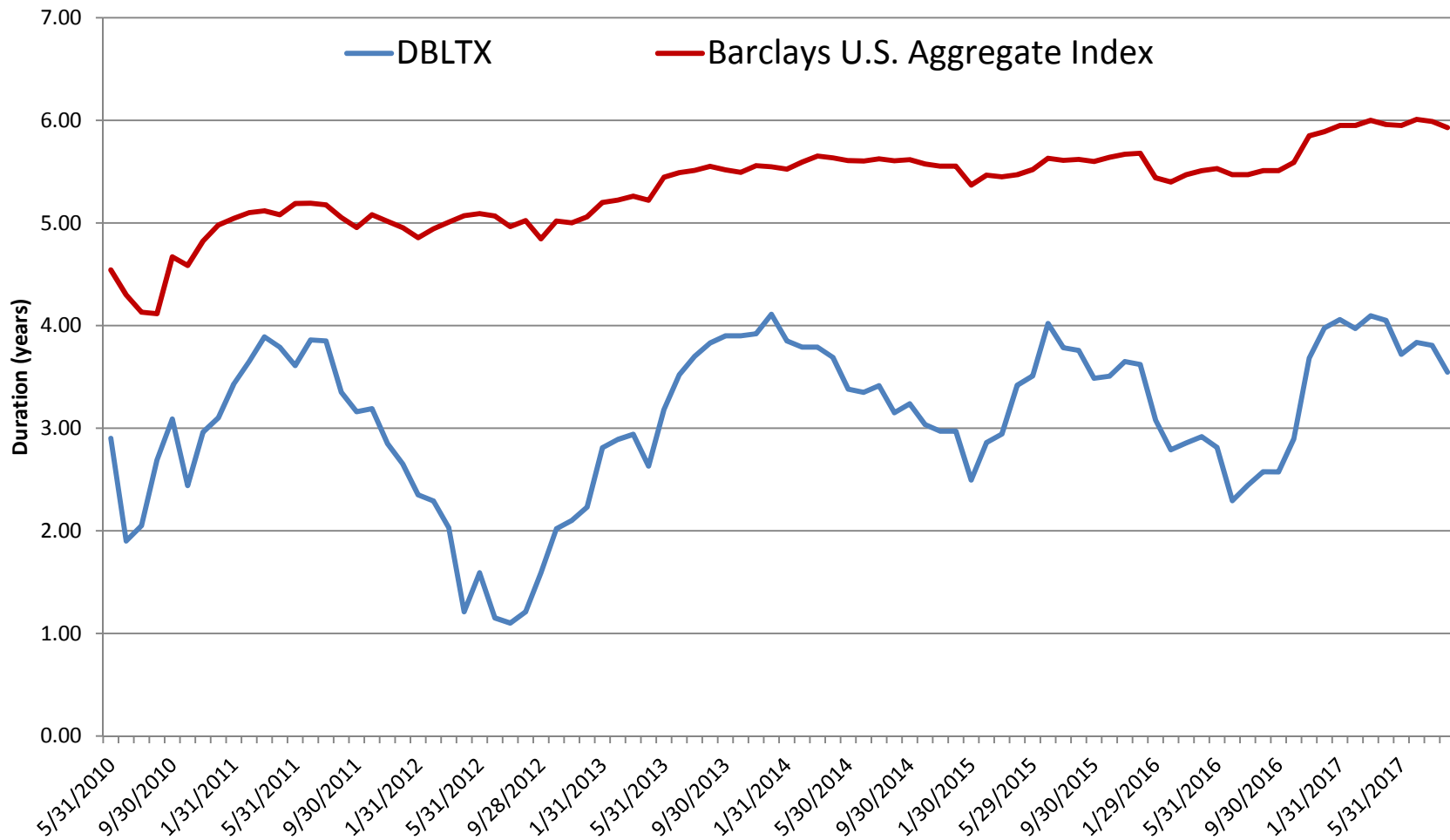


Source: Bloomberg, DoubleLine

JNK = SPDR Bloomberg Barclays High Yield Bond ETF is an exchange-traded fund seeking investment results that correspond to the price and yield of the Bloomberg Barclays High Yield Very Liquid Bond Index which is a component of the U.S. Corporate Bond Index designed to track more liquid component of the USD-denominated, high yield, fixed rate corporate bond market. It is being used as a proxy. SMAV = standard moving average.

# Duration: DBLTX vs. Barclays U.S. Aggregate

## Index May 31, 2010 through August 31, 2017

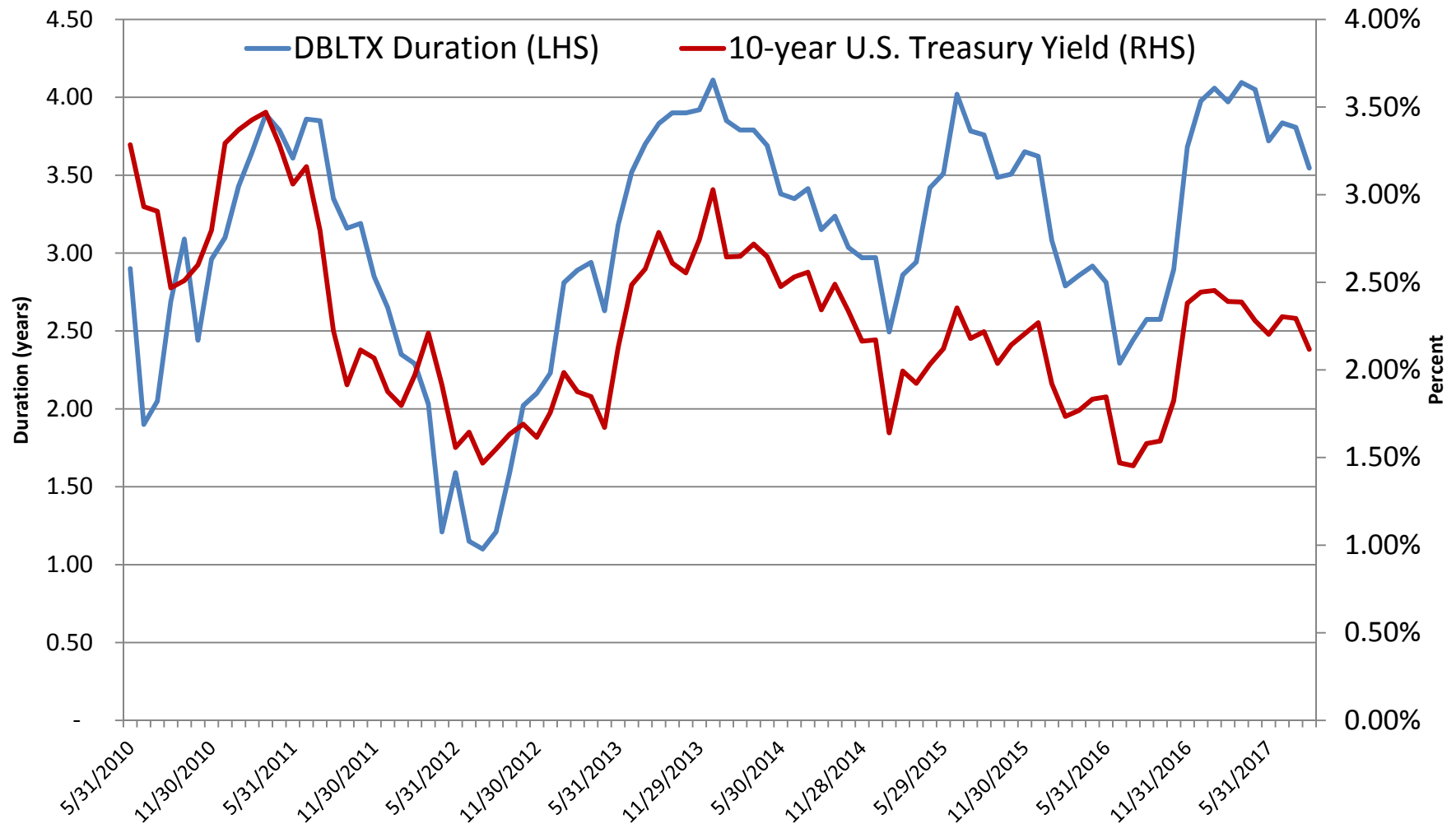


Source: DoubleLine, Barclays

Barclays AGG Duration = Barclays US Aggregate Index duration. Duration is a measure of sensitivity of the price of a fixed income investment to a change in interest rates. It's expressed in years

# DBLTX Duration vs. 10 Year U.S. Treasury Yield

Yield May 31, 2010 through August 31, 2017



Source: DoubleLine, Bloomberg  
Duration is a measure of sensitivity of the price of a fixed income investment to a change in interest rates. It's expressed in years.

# Total Return Bond Fund Portfolio Statistics

As of 8/31/2017



	Total Return Bond Fund	Barclays Capital U.S. Aggregate Index
Average Price	\$101.91	\$104.25
Duration	3.55	5.93
Average Life	5.05	8.19

Portfolio statistics as of August 31, 2017 based on market weighted averages. Subject to change without notice.

**Average price** = A measure of the weighted average price paid for the securities calculated by taking the prices and dividing by the number of securities and does not include cash. Average price should not be confused with net asset value.

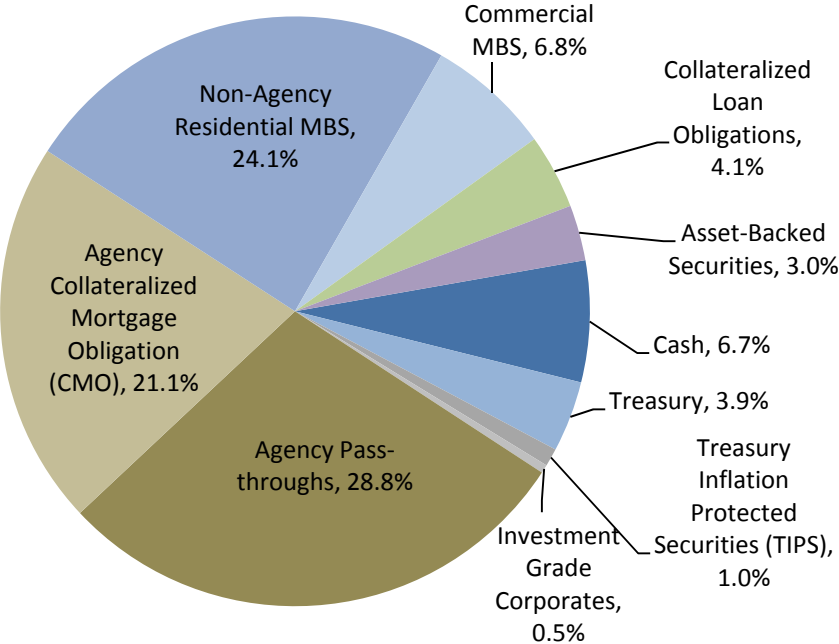
**Average Duration** = Duration is used as a risk measure. It measures the price volatility of a security given a change in interest rate movements.

**Average Life** = The average number of years that each dollar of unpaid principal due on the mortgage remains outstanding. Average life is computed as the weighted average time to the receipt of all future cash flows, using as the weights the dollar amounts of the principal paydowns.

Source: DoubleLine Capital LP

You cannot invest directly in an index. Please see index definition in the appendix.

# Total Return Bond Fund Portfolio Composition By Security Type



Portfolio composition as of August 31, 2017. Subject to change without notice.

Source: DoubleLine Capital LP. Sector allocations are subject to change and should not be considered a recommendation to buy or sell any security.

**Cash** = The value of assets that can be converted into cash immediately. Can include marketable securities, such as government bonds, banker's acceptances, cash equivalents on balance sheets that may include securities that mature within 90 days.

**Government** – U.S. treasury securities.

**Agency** = Mortgage securities whose principal and interest guaranteed by the U.S. Government agency including Fannie Mae (FNMA) or Freddie Mac (FHLMC).

**Non-Agency** = Residential Mortgages Bond Securities are a type of bond backed by residential mortgages. Non-Agency means they were issued by a private issuer.

**CMBS** = Commercial Mortgage-Backed Securities. Securitized loans made on commercial rather than residential property.

**CLO** = Collateralized Mortgage Obligations

# Wack-O Season

**Presented by:**

**Jeffrey Gundlach**

Chief Executive Officer

**September 12, 2017**



# DoubleLine Total Return Bond Fund (DBLTX)

## Investment Objective

The Fund's objective is to seek to maximize total return.

## Summary

The Fund invests mainly in mortgage-backed securities actively allocating between agency and non-agency securities in an attempt to provide high income while maintaining a neutral duration scenario to diversify risks within the portfolio.

Fund Performance				
Quarter-End Returns	Annualized			
June 30, 2017	1-Year	3-Year	5-Year	Since Inception (4-6-10 to 6-30-17)
I-share	1.41%	3.04%	3.59%	6.65%
N-share	1.16%	2.79%	3.33%	6.40%
Benchmark	-0.31%	2.48%	2.21%	3.65%

Expense Ratio	I-Share	N-Share
Gross	0.47%	0.72%

***Performance data quoted represents past performance; past performance does not guarantee future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than original cost. Current performance of the fund may be lower or higher than the performance quoted. Performance data current to the most recent month-end may be obtained by calling 213-633-8200 or by visiting [www.doublelinefunds.com](http://www.doublelinefunds.com).***

**Past performance is no guarantee of future results.**

Quarter End Returns of June 30, 2017. Subject to change without notice.

The performance information shown assumes the reinvestment of all dividends and distributions.

It is not possible to invest in an index.

Source: DoubleLine.

# TCW Total Return Bond Fund (TGLMX)



## Investment Objective

The Fund's investment objective is to seek to maximize current income and achieve above average total return consistent with prudent investment management over a full market cycle.

## Summary

Under normal circumstances, the Fund invests (except when maintaining a temporary defensive position) at least 80% of the value of its net assets in debt securities. If the Fund changes this investment policy, it will notify shareholders in writing at least 60 days in advance of the change. "Debt securities" include bonds, notes and other fixed income instruments issued by governmental or private sector issuers. The Fund may invest in securitized obligations of any maturity or type guaranteed by, or secured by collateral that is guaranteed by, the United States Government, its agencies, instrumentalities or sponsored corporations, and privately issued mortgage-backed and asset-backed securities.

Fund Performance							Expense Ratio	I-Share	N-Share
Quarter-End Returns June 30, 2017			Annualized				Gross	0.60%	0.87%
			2Q17	Year-to-Date	1-Year	3-Year	5-Year	10-Year	Net*
I-share	1.34%	2.19%	-0.27%	2.24%	3.90%	6.58%			
Bloomberg Barclays U.S Agg Bond Index	1.45%	2.27%	-0.31%	2.48%	2.21%	4.48%			

***The performance data presented represents past performance and is no guarantee of future results. Total returns include reinvestment of dividends and distributions. Current performance may be lower or higher than the performance data presented. Performance data current to the most recent month end is available on the Fund's website at TCW.com. Investment returns and principal value will fluctuate with market conditions. The value of an investment in the Fund, when redeemed, may be worth more or less than its original purchase cost.***

***You should consider the investment objectives, risks, charges and expenses of a mutual fund carefully before investing. A Fund's Prospectus and Summary Prospectus contain this and other information about the Fund. To receive a Prospectus, please call 800-386-3829 or you may download the Prospectus from the Fund's website at TCW.com. Please read it carefully.***

\*Effective February 29, 2016, the Advisor has contractually agreed to cap the expenses (including interest and acquired fund fees and expenses, if any) of the I-share class of the Fund at 0.49% and the N-share of the Fund at 0.79% until March 1, 2018. Past performance is no guarantee of future results.

Quarter End Returns of June 30, 2017. Subject to change without notice.

Inception Date: 6-17-1993

The performance information shown assumes the reinvestment of all dividends and distributions. It is not possible to invest in an index.

# PIMCO Mortgage-Backed Securities Fund (PTRIX)



## Investment Objective

PIMCO Mortgage-Backed Securities Fund offers attractive, actively managed risk-adjusted return potential from mortgage-backed securities (MBS) – one of the largest and most liquid fixed income sectors.

## Summary

The fund employs a unique approach to the mortgage-backed securities market that emphasizes actively managed exposure to Agency-guaranteed MBS. The Agency-mortgage market has been a critical source of excess returns for PIMCO since its founding, and the firm has a dedicated team of career mortgage-portfolio managers. The fund has a disciplined focus on value and security selection which is supported by a sophisticated, analytical platform that helps identify mispriced securities presenting attractive investment opportunities.

Fund Performance							
Quarter-End Returns June 30, 2017	2Q17	Year-to-Date	Annualized				
			1-Year	3-Year	5-Year	10-Year	15-Year
I-share	1.42%	2.58%	2.08%	3.11%	2.85%	5.08%	4.93%
Bloomberg Barclays U.S. MBS Fixed Rate Index	0.88%	1.35%	-0.06%	2.18%	2.00%	4.36%	4.28%

Expense Ratio	I-Share
Gross	0.50%

***Performance quoted represents past performance. Past performance is not a guarantee or a reliable indicator of future results. Investment return and the principal value of an investment will fluctuate. Shares may be worth more or less than original cost when redeemed. Current performance may be lower or higher than performance shown. For performance current to the most recent month-end, visit PIMCO.com or by calling 888-87-PIMCO.***

***Investors should consider the investment objectives, risks, charges and expenses of the funds carefully before investing. This and other information are contained in the fund's prospectus and summary prospectus, if available, which may be obtained by contacting your PIMCO representative. Please read them carefully before you invest or send money***

**Past performance is no guarantee of future results.**

Quarter End Returns of June 30, 2017. Subject to change without notice.

Inception Date: 7-31-1997

The performance information shown assumes the reinvestment of all dividends and distributions.

It is not possible to invest in an index.

# JP Morgan Mortgage-Backed Securities Fund (OMBIX)



## Investment Objective

The JP Morgan Mortgage-Backed Securities Fund is designed to deliver total return through investing in a diversified portfolio of mortgage-backed securities.

## Summary

The fund invests primarily in mortgage-backed securities, utilizing a diversified portfolio of debt securities backed by pools of residential and/or commercial mortgages. The fund seeks market sectors and individual securities that it believes will perform well over time.

Fund Performance				
	Annualized			
Quarter-End Returns June 30, 2017	1-Year	3-Year	5-Year	10-Year
I-share	0.93%	2.64%	2.53%	5.24%
Bloomberg Barclays U.S. MBS Index	-0.06%	2.18%	2.00%	4.31%

Expense Ratio	I-Share
Gross	0.73%
Net	0.40%

**Performance quoted is past performance and is no guarantee of future results. Investment returns and principal value will fluctuate, so shares, when sold, may be worth more or less than original cost. Current performance may be higher or lower than returns shown. Call 1-800-480- 4111 for most recent month-end performance.**

**Contact JPMorgan Distribution Services, Inc. at 1-800- 480-4111 for a prospectus. Carefully consider the fund's objectives, risks, charges and expenses before investing. The prospectus contains this and other fund information. Read it carefully before investing.**

Quarter End Returns of June 30, 2017. Subject to change without notice.

Since Inception date: 12-31-1983

The performance information shown assumes the reinvestment of all dividends and distributions.

It is not possible to invest in an index.

# SPDR Barclays High Yield Bond ETF (JNK)

## Investment Objective & Summary

The investment objective of the SPDR Barclays High Yield Bond ETF seeks to provide investment results that, before fees and expenses, corresponds generally to the price and yield performance of the Barclays High Yield Very Liquid Index. The ETF invests in U.S. high yield bonds.

The Barclays High Yield Very Liquid Index is designed to measure the performance of publicly issued U.S. dollar denominated high yield corporate bonds with above-average liquidity. High yield securities are generally rated below investment grade and are commonly referred to as "junk bonds." The Index includes publicly issued U.S. dollar denominated, non-investment grade, fixed-rate, taxable corporate bonds that have a remaining maturity of at least one year, regardless of optionality, are rated high-yield (Ba1/BB+/BB+ or below) using the middle rating of Moody's Investors Service, Inc., Fitch Inc., or Standard & Poor's, Inc. Respectively, and have \$500 million or more of outstanding face value

**Important Risk Information** - In general, ETFs can be expected to move up or down in value with the value of the applicable index. Although ETF shares may be bought and sold on the exchange through any brokerage account, ETF shares are not individually redeemable from the Fund. Investors may acquire ETFs and tender them for redemption through the Fund in Creation Unit Aggregations only. Please see the prospectus for more details.

Bond funds contain interest rate risk (as interest rates rise bond prices usually fall); the risk of issuer default; issuer credit risk; liquidity risk; and inflation risk.

Investing in high yield fixed income securities, otherwise known as "junk bonds" is considered speculative and involves greater risk of loss of principal and interest than investing in investment grade fixed income securities. These lower-quality debt securities involve greater risk of default or price change due to potential changes in the credit quality of the issuer. The Fund invests by sampling the Index, holding a range of securities that, in the aggregate, approximates the full Index in terms of key risk factors and other characteristics which may cause the fund to experience tracking errors relative to performance of the Index.

Distributor: State Street Global Markets, LLC, member FINRA, SIPC, a wholly owned subsidiary of State Street Corporation. References to State Street may include State Street Corporation and its affiliates. Certain State Street affiliates provide services and receive fees from the SPDR ETFs.

***Before investing, consider the funds' investment objectives, risks, charges and expenses. To obtain a prospectus or summary prospectus which contains this and other information, call 1-866-787-2257 or talk to your financial advisor. Read it carefully before investing.***

JNK is distributed by State Street Global Markets, LLC

# iBOXX High Yield Corporate Bond ETF(HYG)



## Investment Objective

The iShares iBoxx \$ High Yield Corporate Bond ETF seeks to track the investment results of an index composed of U.S. dollar-denominated, high yield corporate bonds.

Investing involves risk, including possible loss of principal. The iShares Enhanced ETFs, iShares Short Maturity Bond ETF, iShares Liquidity Income ETF and the iShares Interest Rate Hedged ETFs are actively managed funds and do not seek to replicate the performance of a specified index. The Funds may have a higher portfolio turnover than funds that seek to replicate the performance of an index. Fixed income risks include interest-rate and credit risk. Typically, when interest rates rise, there is a corresponding decline in bond values. Credit risk refers to the possibility that the bond issuer will not be able to make principal and interest payments. Non-investment-grade debt securities (high-yield/junk bonds) may be subject to greater market fluctuations, risk of default or loss of income and principal than higher-rated securities.

The iShares Short Maturity Bond ETF will invest in privately issued securities that have not been registered under the Securities Act of 1933 and as a result are subject to legal restrictions on resale. Privately issued securities are not traded on established markets and may be illiquid, difficult to value and subject to wide fluctuations in value. Delay or difficulty in selling such securities may result in a loss to the iShares Short Maturity Bond ETF. The fund may invest in asset-backed ("ABS") and mortgage-backed securities ("MBS") which are subject to credit, prepayment and extension risk, and react differently to changes in interest rates than other bonds. Small movements in interest rates may quickly reduce the value of certain ABS and MBS. Shares of ETFs are bought and sold at market price (not NAV) and are not individually redeemed from the Fund. Brokerage commissions will reduce returns. Market returns are based upon the midpoint of the bid/ask spread at 4:00 p.m. Eastern time (when NAV is normally determined for most ETFs), and do not represent the returns you would receive if you traded shares at other times. For the prospectus please call 1-800-882-0052.

***Carefully consider the Funds' investment objectives, risk factors, and charges and expenses before investing. This and other information can be found in the Funds' prospectuses or, if available, the summary prospectuses which may be obtained by visiting the [iShares ETF](#) and [BlackRock Fund](#) prospectus pages. Read the prospectus carefully before investing.***

HJY is distributed by BlackRock

# iShares JP Morgan USD Emerging Markets Bond ETF (EMB)



## Investment Objective & Summary

The iShares J.P. Morgan USD Emerging Markets Bond ETF seeks to track the investment results of an index composed of U.S. dollar-denominated, emerging market bonds

Gives exposure to U.S. dollar-denominated bonds issued by emerging market countries across the sovereign debt of 30+ EM countries.

***Carefully consider the Fund's investment objectives, risk factors, and charges and expenses before investing. This and other information can be found in the Fund's prospectus, and if available, summary prospectus, which may be obtained by calling 1-800-iShares (1-800-474-2737) or by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com). Read the prospectus carefully before investing. Investing involves risk, including possible loss of principal.***

Fixed income risks include interest-rate and credit risk. Typically, when interest rates rise, there is a corresponding decline in bond values. Credit risk refers to the possibility that the bond issuer will not be able to make principal and interest payments.

International investing involves risks, including risks related to foreign currency, limited liquidity, less government regulation and the possibility of substantial volatility due to adverse political, economic or other developments. These risks often are heightened for investments in emerging/ developing markets or in concentrations of single countries.

Historical fund data prior to 4/3/2017 is based on foreign currency exchange (FX) rates corresponding to 4:00AM, eastern time; fund data on and after 4/3/2017 is based on FX rates corresponding to 4:00PM, London time.

Performance shown reflects fee waivers and/or expense reimbursements by the investment advisor to the fund for some or all of the periods shown. Performance would have been lower without such waivers.

Diversification may not protect against market risk or loss of principal. Shares of iShares Funds are bought and sold at market price (not NAV) and are not individually redeemed from the Fund. Brokerage commissions will reduce returns.

**Index returns are for illustrative purposes only. Index performance returns do not reflect any management fees, transaction costs or expenses.**

**Indexes are unmanaged and one cannot invest directly in an index. Past performance does not guarantee future results.**

"Acquired Fund Fees and Expenses" reflect the Fund's pro rata share of the indirect fees and expenses incurred by investing in one or more acquired funds, such as mutual funds, business development companies, or other pooled investment vehicles. AFFE are reflected in the prices of the acquired funds and thus included in the total returns of the Fund.

The iShares Funds are distributed by BlackRock Investments, LLC (together with its affiliates, "BlackRock").

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# VanEck Vectors Gold Miners ETF (GDX)

## Investment Objective & Summary

VanEck Vectors Gold Miners ETF (GDX) seeks to replicate as closely as possible, before fees and expenses, the price and yield performance of the NYSE Arca Gold Miners Index (GDMNTR), which is intended to track the overall performance of companies involved in the gold mining industry.

Before you invest, you may want to review the Fund's prospectus, which contains more information about the Fund and its risks. You can find the Fund's prospectus and other information about the Fund online at <http://www.vaneck.com/library/etfs/>. You can also get this information at no cost by calling 800.826.2333, or by sending an email request to [info@vaneck.com](mailto:info@vaneck.com). The Fund's prospectus and statement of additional information, both dated May 1, 2017, are incorporated by reference into this summary prospectus.

An investment in the Fund may be subject to risks which include, among others, competitive pressures, dependency on the price of gold and silver bullion which may fluctuate substantially over short periods of time, periods of outperformance and underperformance of traditional investments such as bonds and stocks, and natural disasters, all of which may adversely affect the Fund. Foreign investments are subject to risks, which include changes in economic and political conditions, foreign currency fluctuations, changes in foreign regulations, and changes in currency exchange rates which may negatively impact the Fund's return. Small- and medium-capitalization companies may be subject to elevated risks. The Fund's assets may be concentrated in a particular sector and may be subject to more risk than investments in a diverse group of sectors.

The NYSE Arca Gold Miners Index (GDMNTR), a trademark of NYSE or its affiliates (NYSE), is licensed for use by Van Eck Associates Corporation in connection with VanEck Vectors Gold Miners ETF (GDX). GDX is not sponsored, endorsed, sold or promoted by NYSE and NYSE makes no representation as to the accuracy and/or completeness of GDMNTR or results to be obtained by any person from using GDMNTR in connection with trading the Fund.

Fund shares are not individually redeemable and will be issued and redeemed at their NAV only through certain authorized broker-dealers in large, specified blocks of shares called "creation units" and otherwise can be bought and sold only through exchange trading. Shares may trade at a premium or discount to their NAV in the secondary market. You will incur brokerage expenses when trading Fund shares in the secondary market. Past performance is no guarantee of future results. Returns for actual Fund investments may differ from what is shown because of differences in timing, the amount invested, and fees and expenses.

Investing involves substantial risk and high volatility, including possible loss of principal. An investor should consider the investment objective, risks, charges and expenses of the Fund carefully before investing. To obtain a prospectus and summary prospectus, which contain this and other information, call 800.826.2333 or visit [vaneck.com](http://vaneck.com). Please read the prospectus and summary prospectus carefully before investing.

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DoubleLine Total Return Bond Fund owns 0% of GDX as of September 12, 2017.

# Definitions



**Bloomberg Barclays Capital US Aggregate Index** - The Barclays Capital US Aggregate Index represents securities that are SEC-registered, taxable, and dollar denominated. The index covers the US investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis.

**Bloomberg Barclays Capital US MBS Index** - The Barclays Capital US MBS Index represents the MBS component of the Bloomberg Barclays US Aggregate Index.

**Bloomberg Barclays Capital US Treasury Index** - This index is the US Treasury component of the US Government index. Public obligations of the US Treasury with a remaining maturity of one year or more.

**Bloomberg Barclays Capital US Treasury 10 Year Index** - This index is the 10 year component of the US Government index.

**Bloomberg Barclays Capital US Treasury 30 Year Index** - This index is the 30 year component of the US Government index.

**Bloomberg Barclays Capital US High Yield Index** - The Barclays Capital US High Yield Index covers the universe of fixed rate, non-investment grade debt. Eurobonds and debt issuer from countries designated as emerging markets (e.g. Argentina, Brazil, Venezuela, etc.) are excluded, but Canadian and global bonds (SEC registered) of issuers in non-EMG countries are included. Original issue zeroes, step-up coupon structures, 144-As and pay-in-kind (PIK, as of October 1, 2009) are also included.

**BofA Merrill Lynch US Government Index (GOAO)** - The Merrill Lynch US Government Index tracks the performance of US government (i.e. securities in the Treasury and Agency indices.)

**BofA Merrill Lynch US Corporate Index (COAO) "Investment Grade"** - The Merrill Lynch Corporate Index tracks the performance of US dollar denominated investment grade corporate debt publicly issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch) and an investment grade rated country of risk (based on an average of Moody's, S&P and Fitch foreign currency long term sovereign debt ratings). Securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$250MM.

**CRB Commodity Index (CRY)** - An unweighted geometric average of some important commodities. It averages prices across 17 commodities and across time. The index tracks energy, grains, industrials, livestock, precious metals, and agricultural.

**S&P 500 (SPX)** - S&P 500 is a free-float capitalization-weighted index published since 1957 of the prices of 500 large-cap common stocks actively traded in the United States.

**Standard Deviation** - Sigma = standard deviation. It shows how much variation there is from the "average" (mean, or expected/budgeted value). A low standard deviation indicated that the data point tend to be very close to the mean, whereas high standard deviation indicated that the date is spread out over a large range of values.

**Dow Jones - UBS DJ Commodity Index** - The Dow Jones UBS - Commodity index is composed of commodities traded on U.S. exchanges, with the exception of aluminum, nickel and zinc, which trade on the London Metal Exchange (LME).

**"Copper"** = Copper Spot Price (HGI) Copper is the world's third most used metal behind iron and aluminum primarily used in highly cyclical industries including construction and industrial machinery manufacturing. Spot price quoted in USD/lb.

**"Gold"** = Gold Spot Price (Golds) The Gold Spot price is quoted as US Dollar per Troy Ounce.

**Crude Oil** = Crude oil varies greatly in appearance depending on its composition. West Texas intermediate (WTI) = Texas light sweet crude is used as a benchmark in oil pricing. It's "light" because of the low density and sweet because of low sulfur. Brent crude = Is a major trading classification of sweet light crude. Brent is the oil maker also known as Brent Blend.

**Volatility Index (VIX)** -The VIX shows the market's expectation of 30-day volatility. It is constructed using the implied volatilities of a wide range of S&P 500 index options. This volatility is meant to be forward looking and is calculated from both calls and puts. The VIX is a widely used measure of market risk and is often referred to as the "investor fear gauge".

**Spread** - Spread is the percentage point difference between yields of various classes of bonds compared to treasury bonds.

**Yield-to-Maturity (YTM)** - The discount rate at which the sum of all future cash flows from the bond (coupons and principal) is equal to the price of the bond. The YTM calculation takes into account the bond's current market price, par value, coupon interest rate and time to maturity. It is also assumed that all coupon payments are reinvested at the same rate as the bond's current yield.

# Definitions



## **BofA Merrill Lynch US Dollar Emerging Markets Sovereign Plus Index (IGOV)**

This index tracks the performance of US dollar denominated emerging market and cross-over sovereign debt publicly issued in the eurobond or US domestic market. Qualifying countries must have a BB1 or lower foreign currency long-term sovereign debt rating (based on an average of Moody's, S&P, and Fitch).

## **BofA Merrill Lynch U.S. High Yield Cash Pay Index (JOAO) "Below Investment Grade"-**

The Merrill Lynch High Yield Index tracks the performance of US dollar denominated below investment grade corporate debt, currently in a coupon paying period, that is publicly issued in the US domestic market. Qualifying securities must have a below investment grade rating (based on an average of Moody's, S&P and Fitch foreign currency long term sovereign debt ratings). Must have one year remaining to final maturity and a minimum outstanding amount of \$100MM.

## **BofA Merrill Lynch U.S. High Yield Index (HOAO)**

The Merrill Lynch High Yield Index tracks the performance of US dollar denominated below investment grade corporate debt publicly issued in the US domestic market. Qualifying securities must have a below investment grade rating (based on average of Moodys, S&P and Fitch) at least 18 months to final maturity at time of issue of issuance, a final maturity, a fixed coupon schedule and a minimum amount outstanding of \$100 MM.

## **BofA Merrill Lynch U.S. High Yield Excluding Energy, Metals and Mining Index (HXNM)**

The Merrill Lynch High Yield Index tracks the performance of US dollar denominated below investment grade corporate debt publicly issued in the US domestic market excluding energy, metals and mining.

## **BofA Merrill Lynch International Government Index (NOGO)**

The Merrill Lynch International Index tracks the performance of Australia, Canadian, French, German, Japan, Dutch, Swiss and UK investment grade sovereign debt publicly issued and denominated in the issuer's own domestic market and currency. Qualifying securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding.

## **BofA Merrill Lynch Mortgage-Backed Securities Index (MOAO)**

This index tracks the performance of US dollar denominated fixed rate and hybrid residential mortgage pass-through securities publicly issued by US agencies in the US domestic market. 30-year, 20-year, 15-year and interest only fixed rate mortgage pools are included in the Index provided they have at least one year remaining term to final maturity and a minimum amount outstanding of at least \$5 billion per generic coupon and \$250MM per production year within each generic coupon.

**Bloomberg Barclays Capital Global Emerging Markets Index** - The Barclays Capital Global Emerging Markets Index represents the union of the USD-denominated US Emerging Markets index and the predominately EUR-denominated Pan Euro Emerging Markets Index, covering emerging markets in the following regions: Americas, Europe, Middle East, Africa, and Asia. As with other fixed income benchmarks provided by Barclays Capital, the index is rules-based, which allows for an unbiased view of the marketplace and easy replicability.

**JP Morgan Investment Grade Corporate Index** - JP Morgan Investment Grade Corporate Index includes performance of US dollar denominated investment grade corporate debt publicly issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch) and an investment grade rated country of risk (based on an average of Moody's, S&P and Fitch foreign currency long term sovereign debt ratings). Securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$250MM.

**Draw Down** - The peak-to-trough decline during a specific record period of an investment, fund or commodity. A drawdown is usually quoted as the percentage between the peak and the trough.

**Sharpe Ratio** – A measure that indicates the average return minus the risk-free return divided by the standard deviation of return on an investment.

**Sorintino Ratio** – Is a variation of the Sharpe ratio that differentiates harmful volatility from the total overall volatility by using the asset's standard deviation of negative asset returns, called downside deviation. The Sorintino ratio takes the asset's return and subtracts the risk-free rate, then divides that amount by the asset's downside deviation.

**NAV** – A mutual fund's price per share or exchange-traded fund's (ETF) per-share value. In both cases, the per-share dollar amount of the fund is calculated by dividing the total value of all the securities in its portfolio, less any liabilities, by the number of fund shares outstanding.

**CMO** – A type of mortgage-backed security that creates separate pools of pass-through rates for different classes of bondholders with varying maturities, called tranches. The repayments from the pool of pass-through securities are used to retire the bonds in the order specified by the bonds' prospectus

**TIPS**– Treasury Inflation Protection. A treasury security that is indexed to inflation in order to protect investors from the negative effects of inflation. TIPS are considered an extremely low-risk investment since they are backed by the U.S. government and since their par value rises with inflation, as measured by the Consumer Price Index, while their interest rate remains fixed.

**CPI**– Consumer Price Index. A measure that examines the weighted average of prices of a basket of consumer goods and services, such as transportation, food and medical care.

**Cash Flow** – Cash flow measures the cash generating capability of a company by adding non-cash charges (e.g. depreciation) and interest expense to pretax income.

# Definitions



**BofA/Merrill Lynch High Yield Cash Pay CCC –rated Index (JOA3)** – .A component of the BofA/Merrill Lynch High Yield Cash Pay Index concentrating on CCC rated High Yield credit only.

**BofA/Merrill Lynch High Yield Cash Pay BB–rated Index (JOA1)** – .A component of the BofA/Merrill Lynch High Yield Cash Pay Index concentrating on BB rated High Yield credit only.

**BofA/Merrill Lynch High Yield Cash Pay B–rated Index (JOA2)** – .A component of the BofA/Merrill Lynch High Yield Cash Pay Index concentrating on B rated High Yield credit only.

**BofA/Merrill Lynch Credit Index BBB-rated Index (COA4)** – .A component of the BofA/Merrill Lynch Credit Index concentrating on the lower rated BBB investment grade credits.

**BofA/Merrill Lynch Credit Index A–rated Index (COA3)** – . A component of the BofA/Merrill Lynch Credit Index concentrating on the A rated investment grade credits.

**BofA/Merrill Lynch Credit Index AAA –rated Index (COA1)** – . A component of the BofA/Merrill Lynch Credit Index concentrating on the highest rated AAA investment grade credits.

**BofA Merrill Lynch US Treasury Index (G0Q0)** -The Merrill Lynch US Treasury Index tracks the performance of US dollar denominated sovereign debt publicly issued by the US government in its domestic market. Qualifying securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$1 billion.

**BofA Merrill Lynch US 10-15 Year Treasury Index “Long Treasury”**-The Merrill Lynch US 10-15 Treasury Index tracks the performance of US dollar denominated 10-15 year sovereign debt publicly issued by the US government in its domestic market. It is a subset of the BofA Merrill Lynch U.S. Treasury Index (GOQO).

**BofA Merrill Lynch Municipal Index**-The Merrill Lynch Municipal

**BofA Merrill Lynch Current 10 year UST Index** – This index is the 10 year component of the US Government index.

**BofA Merrill Lynch Current 30 year UST Index** – This index is the 30 year component of the US Government index.

**Shanghai Index** - The Shanghai Stock Exchange Composite is a capitalization-weighted index tracking daily price performance of all A and B-shares listed on the Shanghai Stock Exchange. This index was developed December 19, 1990 with a base value of 100.

**S&P/Case-Shiller Composite Home Price Index** - The Case-Shiller Home Price Indices, one comprised of price changes within all 20 metropolitan markets, and another comprised of price changes within the following subset of 10 metropolitan markets: Boston, Chicago, Denver, Las Vegas, Los Angeles, Miami, New York, San Diego, San Francisco and Washington DC. In addition to those 10 markets, the 20-Home Price index reflects price changes for Atlanta, Charlotte, Dallas, Detroit, Minneapolis, Phoenix, Portland, Seattle and Tampa.

**NASDAQ**- A computerized system that facilitates trading and provides price quotations on more than 5,000 of the more actively traded over the counter stocks. Created in 1971, the Nasdaq was the world's first electronic stock market.

**Transports**- The Industrials Sector includes companies whose businesses are dominated by one of the following activities: The manufacture and distribution of capital goods, including aerospace & defense, construction, engineering & building products, electrical equipment and industrial machinery

**Utilities**- A public utility is a business that furnishes an everyday necessity to the public at large. Public utilities provide water, electricity, natural gas, telephone service, and other essentials. Utilities may be publicly or privately owned, but most are operated as private businesses.

**Basis Point**- A basis point is a unit that is equal to 1/100<sup>th</sup> of 1%, and is used to denote the change in a financial instrument.

**REIT**- Real Estate Trust. A security that sells like a stock on the major exchanges and invests in real estate directly, either through properties or mortgages

**Duration** – Duration is a commonly used measure of the potential volatility of the price of a debt security, or the aggregate market value of a portfolio of debt securities, prior to maturity. Securities with a longer duration generally have more volatile prices than securities of comparable quality with a shorter duration.

**ISM** = ISM Manufacturing Index is based on a survey of 300 manufacturing firms by the Institute of Supply Management.

**DXY** = U.S. dollar spot index indicates the general international value of the US dollar by averaging the exchange rates between the USD and major world currencies.

**PE** = price/ earnings ratio is the ratio of valuing a company that measures its current share price relative to its per-share earnings

**S&P Low Volatility TR** = The S&P 500 Low Volatility Index is designed to measure the performance of the 100 least volatile stocks of the S&P 500 Index Volatility is defined as the standard deviation of the security computed using the daily price returns over 252 trading days.

**MSCI USA Minimum Volatility Gross TR** Index is designed to reflect the performance of a minimum variance equity strategy by optimizing a traditional cap weighted “parent MSCI Index” to attain the lowest level of volatility for a set of constraints.

# Definitions



**BofA/Merrill Lynch Inflation Linked Index (GOQ1)** – The BofA Merrill Lynch US Inflation-Linked Treasury Index tracks the performance of US dollar denominated inflation linked sovereign debt publicly issued by the US government in its domestic market.

**Citigroup TIPS (SBUSILSI)** – It measures the returns of the inflation-linked bonds with fixed-rate coupon payments that are linked to an inflation index. The price of each issue in the USLSI is adjusted by using an index ratio. The index ratio is determined by dividing the current inflation index level by the inflation index level at the time of issue of the security. The inflation index is published on a monthly basis, and the intra-month index ratio is calculated using linear interpolation.

**Bloomberg Barclays Capital CMBS Index** – tracks the performance of US dollar-denominated securitized commercial mortgage-backed securities.

**Russell 2000** – measures the performance of the small-cap segment of the US equity universe. Russell 2000 is a subset of the Russell 3000 index representing approximately 10% of the total market capitalization of that index.

**S&P GSCI** – is a composite index of commodity sector return representing an unleveraged, long-only investment in commodity futures that is broadly diversified across the spectrum of commodities.

**S&P GSCI Agriculture** – is a composite index of agriculture commodity futures unleveraged, long-only investment.

**Barclays Capital US 30 Year TIPS Index** - . Barclays Capital 30-year TIPS on-the-run index quoted in US Dollars traded intraday

**Citigroup Economic Surprise Index** - . The Citigroup Economic Surprise Indices are objective and quantitative measures of economic news. They are defined as weighted historical standard deviations of data surprises (actual releases vs Bloomberg survey median). A positive reading of the Economic Surprise Index suggests that economic releases have on balance beating consensus. The indices are calculated daily in a rolling three-month window. The weights of economic indicators are derived from relative high-frequency spot FX impacts of 1 standard deviation data surprises. The indices also employ a time decay function to replicate the limited memory of markets.

**DAX** - This index is the German Stock Index is a total return index of 30 selected German blue chip stocks traded on the Frankfurt Stock Exchange.

**CAC 40** – This index the most widely-used indicator of the Paris market, reflects the performance of the 40 largest equities listed in France, measured by free-float market capitalization and liquidity.

**FTSE 100** – Is a capitalization-weighted index of the 100 most highly capitalized companies traded on the London Stock Exchange.

**Nikkei 225** – The Nikkei-225 Stock average is a price-weighted average of 225 top-rated Japanese companies listed in the First Section of the Tokyo Stock Exchange.

**ESTX50** – EuroSTOxx 50 index is Europe’s leading blue-chip index for the Eurozone, provides a blue-chip representation of supersector leaders in the Eurozone.

**Merrill Lynch Option MOVE Index** – Merrill Lynch Option Volatility Estimate is a weighted index of the normalized implied volatility on 1-month Treasury options.

**MSCI USA Minimum Volatility** – The index is calculated by optimizing the MSCI USA index, its parent index, in USD for the lowest absolute risk (within given constraints).

**Bloomberg Barclays U.S. High Yield Index** – An index that is composed of fixed-rate, publicly issued, non-investment grade debt.

**Bloomberg Barclays Euro Corporate Index** – A subset of the Barclays EuroAgg measures the investment grade, euro-denominated, fixed rate bond market, including treasuries, government-related, corporate and securitized issues.

**Bloomberg Barclays Euro High Yield Index** – Measures the market of non-investment grade, fixed-rate corporate bonds denominated in Euro. Inclusion is based on the currency of issue, and not the domicile of the issuer.

**JPMorgan Corporate EMBI Broad Diversified Index (JBDCOMP)** – This index tracks a broad basket of performance of investment grade corporate debt, including smaller issues covering a wider array of publically issued across a range of emerging market countries.

**JPMorgan Corporate Emerging Market Index (JCMHCOR)** – This index is a liquid basket of emerging markets corporate issues which include 80 bonds, representing 60 issuers and 16 countries. It has strict liquidity criteria for inclusion in order to provide replicability, tradability, robust pricing and data integrity.

**JPMorgan Global Bond Index ex-EM (JGAGGUSD)** – is a comprehensive global investment grade benchmark excluding emerging markets.

**JPMorgan EM Bond Index Global Diversified** – tracks total returns for traded external debt instruments in the emerging markets limiting the weights of those index countries with larger debt stocks by only including a specified portion of these countries eligible current face amounts of debt outstanding..

**Bloomberg Barclays U.S. Corporate Index** – Is a subset of the Barclays U.S. Aggregate index which is a broad-based flagship benchmark that measures the investment grade, U.S. dollar-denominated, fixed rate taxable bond market. IT includes Treasuries, government-related and corporate securities, MBS, ABS and CMBS. This subset represents the investment grade portion of that index.

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Sign up and a password will be sent to you once we have verified you are a registered rep

**Upcoming LA Event** – DoubleLine will be hosting an event in Los Angeles later in September. If you would like more information, please contact [info@doubleline.com](mailto:info@doubleline.com)

# Webcast Announcements

## [Asset Allocation Webcast – October 3, 2017](#)

Jeffrey Sherman, DoubleLine Deputy CIO will discuss DoubleLine’s Core Bond and Flexible Income Funds

Go to [www.doublelinefunds.com](http://www.doublelinefunds.com), Home page under “Events”

1:15 pm PDT/4:15 pm EDT

## [Shiller Enhanced CAPE® and International CAPE® Webcast – November 14, 2017](#)

Jeffrey Sherman, DoubleLine Deputy CIO will discuss DoubleLine’s Shiller Enhanced CAPE® and Shiller Enhanced International CAPE® Funds

Go to [www.doublelinefunds.com](http://www.doublelinefunds.com), Home page under “Events”

1:15 pm PDT/4:15 pm EDT

## [Last Webcast of 2017 – Total Return – December 5, 2017](#)

Jeffrey Gundlach will discuss DoubleLine’s Total Return Bond Fund

Go to [www.doublelinefunds.com](http://www.doublelinefunds.com), Home page under “Events”

1:15 pm PDT/4:15 pm EDT

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