



Tell Tail Signs

The Forces That Took Hold in December are Still in the Driver's Seat...

January 2017

Inflation risk still points to the upside, according to the Janus Asset Allocation team's proprietary tail risk model. We see demand pickup carrying prices to more normal levels, which is healthy for equities and other growth-sensitive assets, to the detriment of bonds.

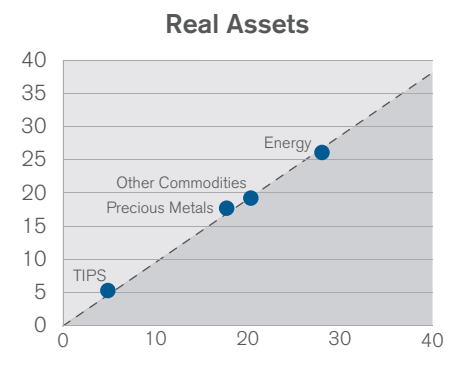
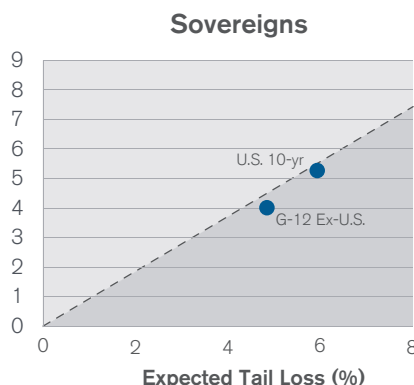
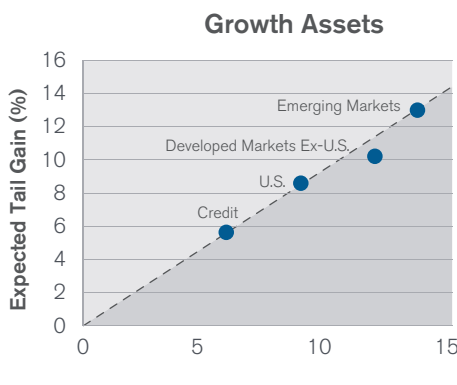
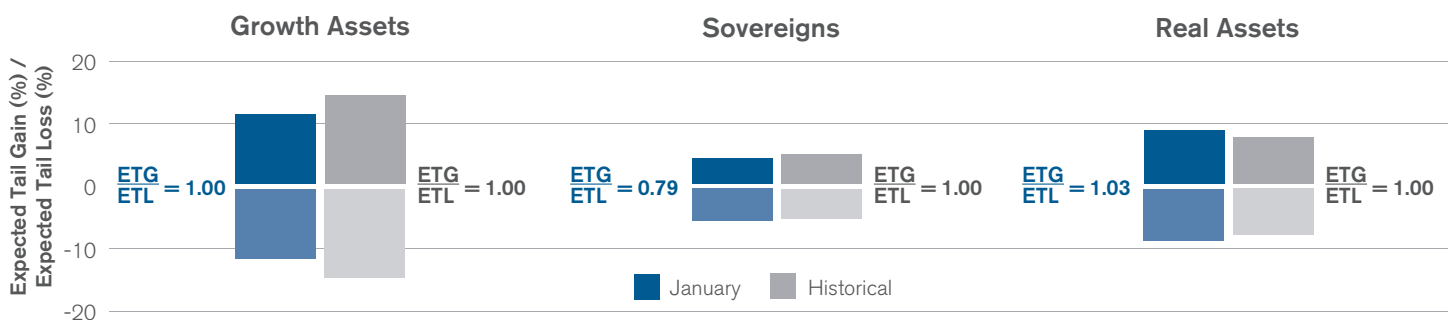
Janus' Asset Allocation team arrives at its monthly outlook using option market prices to infer expected tail gains (ETG) and expected tail losses (ETL) for each asset class. The ratio of these two (ETG/ETL) provides a signal about the risk-adjusted attractiveness of the asset class. We think of that ratio as a "tail-based Sharpe ratio." The tables below summarize the "tail-based Sharpe ratio" of three broad asset class categories.

The safe has become the unsafe

Global sovereigns (i.e., what we characterize as capital preservation assets) continue to offer the lowest expected tail-based Sharpe ratio and, therefore, represent the least attractive asset class to hold, while real assets (i.e., inflation-sensitive assets) continue to offer the highest ratio. With inflation risk still rising, the recent increase in global interest rates is likely to continue. A valid concern for many investors is whether growth is a realistic expectation in a rising interest rate environment. Our view continues to be that growth will not be stifled by rising interest rates.

We see both developed (especially in the U.S.) and some emerging market equities as attractive. As mentioned last month, financial conditions remain very accommodative with negative 10-year real rates in Europe and Japan, and U.S. real rates still under 50 basis points. These low real costs of capital, combined with President-elect Trump's proposed fiscal spending, lower tax and deregulation plans, create a stimulative environment. Option market pricing reflects this picture.

Tail-Based Sharpe Ratio (Expected Tail Gain* / Expected Tail Loss*)



*We define ETG and ETL as the 1-in-10 expected best and worst 2-month return for an asset class. Beginning in August 2016, the tail-based Sharpe ratios have been normalized to 1.00 to allow for easier comparison across the three macroeconomic asset categories.

In addition to our outlook on broad asset classes, Janus' Asset Allocation team uses option market signals to provide insights into specific markets. The following caught our attention:

- **Equities:** Despite Mr. Trump's protectionist rhetoric, emerging markets continue to look attractive. Additionally, peripheral Europe and France offer better upside versus downside compared to Germany. The resurgence of center right governments in the European Union (EU) could unleash a rally in risk assets similar to what we saw following Mr. Trump's victory in the U.S.
- **Commodities:** Overall, forces are still in play that will support commodities – infrastructure building, inflation, and an environment for improved demand. We see the agriculture complex offering the greatest attractiveness, but a dim outlook for oil and precious metals.
- **Sovereigns:** While our signals point to further increases in global interest rates, from a relative perspective, U.S. bonds offer better reward-to-risk than European or Japanese bonds. However, we still see bonds representing the riskiest asset class – “the safe has become the unsafe.”

Note to All Readers: FOR INFORMATIONAL PURPOSES ONLY. This material does not constitute and should not be construed as investment, legal or tax advice or a recommendation, solicitation or opinion regarding the merits of any investments. Nothing in the material shall be deemed to be a direct or indirect provision of investment management services or an offer for securities by Janus Capital Group and its subsidiaries ("Janus") and is not considered specific to any client requirements. Anything non-factual in nature is an opinion of the author(s), and opinions are meant as an illustration of broader themes, are not an indication of trading intent, and are subject to change at any time due to changes in market or economic conditions. Janus is not responsible for any unlawful distribution of this material to any third parties, in whole or in part, or for information reconstructed from this material and do not guarantee that the information supplied is accurate, complete, or timely, or make any warranties with regards to the results obtained from its use. It is not intended to indicate or imply that current or past results are indicative of future profitability or expectations. As with all investments, there are inherent risks that need to be addressed.

The distribution of this material or the information contained in it may be restricted by law and may not be used in any jurisdiction or any circumstances in which its use would be unlawful. This presentation is being provided on a confidential basis solely for the information of those persons to whom it is given. Should the intermediary wish to pass on this material or the information contained in it to any third party, it is the responsibility of the intermediary to investigate the extent to which this is permissible under relevant law, and to comply with all such law.

Note to Hong Kong, Taiwan and Singapore Readers: Issued in: (a) Taiwan R.O.C independently operated by Janus Capital Taiwan Limited, licensed and regulated by the Financial Supervisory Commission R.O.C, (b) Hong Kong by Janus Capital Asia Limited, licensed and regulated by the Securities and Futures Commission of Hong Kong, and (c) Singapore by Janus Capital Singapore Pte. Limited (Company Registration No. 200617443N), which is regulated by the Monetary Authority of Singapore. In Singapore, only available to accredited and institutional investors as defined under section 4A of the Securities and Futures Act (Cap.289), and may not otherwise be distributed in Singapore.

Note to Australia and New Zealand Readers: Issued by Janus Capital Asia Limited (ARBN 122 997 317), which is incorporated in Hong Kong, is exempt from the requirement to hold an Australian financial services license and is licensed and regulated by the Securities and Futures Commission of Hong Kong under Hong Kong laws which differ from Australian laws. In New Zealand, this document may only be distributed to 'wholesale investors' within the meaning of the Financial Markets Conduct Act 2013. This includes (i) selected institutional clients whose primary business is the investment of money, or (ii) persons who meet the prescribed investment activity criteria or who exceed certain prescribed asset and turnover thresholds, or (iii) a person who has completed a prescribed certificate attesting as to their experience in buying or selling investment products, or (iv) investors who invest a minimum sum of NZ\$ 750,000. This is not a registered prospectus or investment statement or product disclosure statement under New Zealand law and does not constitute an offer of securities to the public for the purposes of the Securities Act 1978 or a regulated offer under the Financial Markets Conduct Act 2013. It should not be copied or distributed to any other person in New Zealand. In Australia and New Zealand, for wholesale client use only.

In Australia, Janus Capital Management LLC, INTECH Investment Management LLC and Perkins Investment Management LLC are permitted to conduct financial services pursuant to an exemption from the need to hold an Australian financial services licence under the Australian Corporations Act 2001. Janus INTECH and Perkins are regulated by the Securities Exchange Commission of the U.S. under U.S. laws, which differ from Australian laws.

Note to China (PRC) Readers: Janus is not licensed, authorised or registered with the China Securities Regulatory Commission for investment management business or otherwise approved by any PRC regulatory authorities to provide investment management services in the PRC. This material has not been reviewed by or filed with any PRC regulatory bodies and the use of this material shall be limited to the extent permitted by applicable laws, regulations and relevant requirements. Nothing in this material shall be deemed or construed as providing investment management services by Janus in the PRC, nor shall it be viewed as investment advice in relation to PRC capital markets, securities and mutual funds, which may require Janus to obtain or be subject to any approval, licensing, filing, registration, or other qualification requirements of the relevant Chinese regulatory authorities. This material is being provided on a confidential basis solely for the information of those persons to whom it is given.

Note to South Korea Readers: Issued by Janus Capital International Limited, authorised and regulated by the U.K. Financial Conduct Authority. In South Korea, only available to Qualified Professional Investors.

Note to Europe Readers: Issued in Europe by Janus Capital International Limited ("JCIL"), authorised and regulated by the U.K. Financial Conduct Authority and also issued by Janus Capital (Switzerland) LLC, authorised and regulated in Switzerland by FINMA.

Note to Middle East Readers: JCIL is regulated by the Dubai Financial Services Authority as a Representative Office. JCIL is authorised and regulated by the U.K. Financial Conduct Authority. The contents of this presentation have not been approved by, licensed or registered with the Central Bank of Bahrain the Regulatory Authority of Botswana, Qatar Central Bank Saudi Arabian Capital Market Authority, UAE Central Bank, the Securities and Commodities Authority, the Kuwaiti Capital Markets Authority or any other relevant licensing authorities or governmental agencies in the Middle East. This presentation does not constitute a public offer of securities in the Sultanate of Oman as contemplated by the Commercial Companies Law of Oman Royal Decree 4/74) or the Capital Market Law of Oman (Royal Decree 80/98) or under Kazakhstani law. No transactions will be concluded in the Middle East and any enquiries should be made to JCIL.

Note to Africa Readers: JCIL is not authorised in South Africa for marketing. The contents of this presentation have not been approved by, licensed or registered with the Regulatory Authority of Botswana.

Note to Colombia Readers: JCIL's products and/or services may not be promoted or marketed in Colombia or to Colombian residents unless such promotion and marketing is made in compliance with Decree 2555 of 2010 and other applicable rules and regulations related to the promotion of foreign financial and/or securities-related products and/or services in Colombia or to Colombian residents. Neither JCIL nor any related person or entity has received authorisation or licensing from the Financial Superintendence of Colombia or any other governmental authority in Colombia to market or sell its products and/or services within Colombia or to Colombian residents.

Los productos y/o servicios de JCIL no podrán ser ofrecidos ni promocionados en Colombia o a residentes Colombianos a menos que dicha oferta y promoción se lleve a cabo en cumplimiento del Decreto 2555 de 2010 y las otras reglas y regulaciones aplicables en materia de promoción de productos y/o servicios financieros y /o del mercado de valores en Colombia o a residentes colombianos. Ni JCIL ni ninguna persona o entidad relacionada han recibido autorización o licencia por parte de la Superintendencia Financiera de Colombia o cualquier otra autoridad en Colombia para ofrecer o vender sus productos y/o servicios en Colombia o a residentes colombianos.

Note to Canada Readers: In Canada, Janus Capital Institutional products and services are offered through Janus Capital Management LLC which is registered as an adviser in the category of portfolio manager and as a dealer in the category of exempt market dealer in each of the provinces of Alberta, British Columbia, Manitoba, Ontario and Quebec. In these provinces, these services are offered only to "Accredited Investors" as defined in National Instrument 45-106 and "Permitted Clients" as that term is defined in National Instrument 31-103.

Janus Capital Management LLC serves as investment adviser. Janus, INTECH and Perkins are registered trademarks of Janus International Holding LLC.® Janus International Holding LLC. For more information or to locate your country's Janus representative contact information, please visit www.janus.com.

Outside of U.S.: For institutional/ sophisticated investors / qualified distributors use only. Not for public viewing or distribution.