# Tell Tail Signs

An asset class outlook based on potential tail gains and losses

#### **Interest Rates Near Bottom**

This month our proprietary options-based tail risk model saw a sharp drop in any potential upside gains for sovereigns. We do not see interest rates falling much further from this point, and as such, risk to bonds is skewed more toward the downside than the upside. Equities, however, continue to display upside potential in our model due to prospects for better growth ahead.

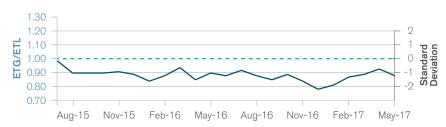
Janus' Adaptive Multi-Asset Solutions

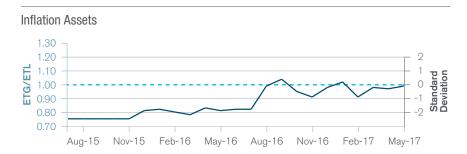
(Expected Tail Gain\* / Expected Tail Loss\*)

## **Recent Monthly Tail-Based Sharpe Ratios**

Growth Assets 1.30 1.20 1.10 1.00 0.90 1 Standard Deviation 0 -1 0.80 -9 Feb-16 May-16 Aug-16 Nov-16 Feb-17 May-17 Aug-15 Nov-15

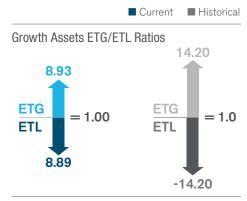
Capital Preservation Assets





Despite both equities and inflation assets showing a tail-based Sharpe ratio of 1.0, their risk characteristics are quite different. Note that the downside risk to commodities is nearly double that of equities, which underscores the potential risks in this space. In other words, our model suggests the expected upsideto-downside ratios between equities and commodities are about the same, but it also suggests one should be careful with too large an exposure to commodities,

## **Current Tail-Based Sharpe Ratios**



Sovereigns ETG/ETL Ratios



Real Assets ETG/ETL Ratios



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.

team arrives at its monthly outlook using

option market prices to infer expected

losses (ETL) for each asset class. The

ratio of these two (ETG/ETL) provides

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

tail gains (ETG) and expected tail

a signal about the risk-adjusted

asset class categories.

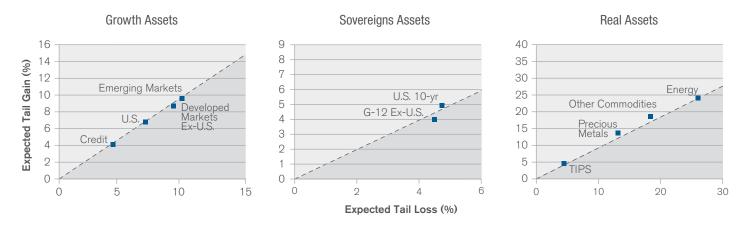
\*We define ETG and ETL as the 1-in-10 expected best and worst two-month return for an asset class.

JANUS CAPITAL<sup>®</sup> Group given their much larger downside risk.

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

- Growth Assets: We continue to see peripheral Europe as attractive. However, the expected tail gains to China H shares recently fell quite sharply, yielding an unattractive tail-based Sharpe ratio, but China A shares have improved. This suggests we may see the large outperformance of H shares vs. A shares since last year's mean revert.
- Capital Preservation: Our signals continue to indicate a convergence between higher-yielding U.S. rates and lower-yielding German rates.
- Inflation: We continue to see agricultural commodities presenting the most attractive opportunities in the commodity space. Our signals indicate increased attractiveness for oil, but continue to indicate that silver and gold are the least attractive within the commodities complex.

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



The views presented are as of the date published. They are for information purposes only and should not be used or construed as an offer to sell, a solicitation of an offer to buy, or a recommendation for any security or market sector. No forecasts can be guaranteed. The opinions and examples 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. There is no guarantee that the information supplied is accurate, complete, or timely, nor are there any warranties with regards to the results obtained from its use. It is not intended to indicate or imply in any manner that any illustration/example mentioned is now or was ever held in any Janus portfolio, or that current or past results are indicative of future profitability or expectations. As with all investments, there are inherent risks to be considered.

This material may not be reproduced in whole or in part in any form, or referred to in any other publication, without express written permission.

Janus is a registered trademark of Janus International Holding LLC.

Janus Distributors LLC

#### FOR MORE INFORMATION CONTACT JANUS

151 Detroit Street, Denver, CO 80206 / 800.668.0434 / www.janus.com C-0517-10086 05-15-18