

Report Prepared On: 01/10/13

Structured Product Details

Name	Yield Optimization Securities with Contingent Protection linked to Market Vectors Gold Miners ETF
Issue Size	\$8.56 million
Issue Price	\$33.47
Term	24 Months
Annualized Coupon	13.90%
Pricing Date	January 27, 2009
Issue Date	January 30, 2009
Valuation Date	January 25, 2011
Maturity Date	January 31, 2011
Issuer	UBS
CDS Rate	229.84 bps
Swap Rate	1.43%
Reference Asset	Market Vectors Gold Miners ETF's stock
Initial Level	\$33.47
Trigger Price	\$16.74
Conversion Price	\$33.47
Dividend Rate	0.00%
Implied Volatility	63.15%
Delta¹	0.3
Fair Price at Issue	\$32.08
Realized Return	14.77%
CUSIP	90265G147
SEC Link	www.sec.gov/Archives/edgar/data/1114446/000139340109000125/v137984_690305-424b2.htm

Yield Optimization Securities with Contingent Protection linked to Market Vectors Gold Miners ETF

Description

UBS issued \$8.56 million of Yield Optimization Securities with Contingent Protection linked to Market Vectors Gold Miners ETF on January 30, 2009 at \$33.47 per note.

These notes are UBS-branded single observation reverse convertibles. Single observation reverse convertibles pay periodic interest coupons and at maturity convert into shares of the reference security if the price of the reference security at the notes' maturity is below the trigger price determined when the notes were issued.

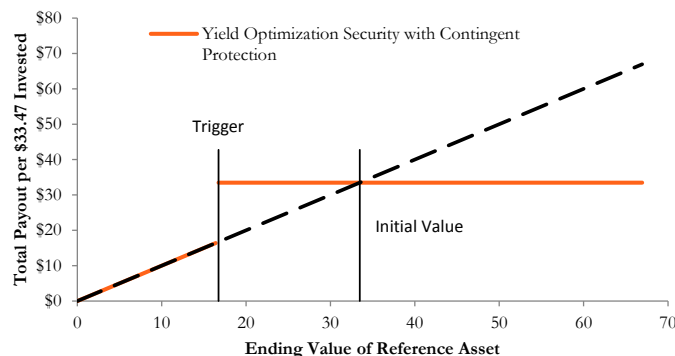
These 24-month notes pay monthly coupons at an annualized rate of 13.90%. In addition to the monthly coupons, on January 31, 2011 investors will receive the market value of one share of Market Vectors Gold Miners ETF's stock if on January 25, 2011 Market Vectors Gold Miners ETF's stock closes below \$16.74 (50% of Market Vectors Gold Miners ETF's stock price on January 27, 2009). Otherwise, investors will receive the \$33.47 face value per note.

Valuation

This UBS single observation reverse convertible linked to Market Vectors Gold Miners ETF's stock can be valued as a combination of a note from UBS and a short European out-of-the-money cash-or-nothing put option, and a short European out-of-the-money put option on Market Vectors Gold Miners ETF's stock. For reasonable valuation inputs this note was worth \$32.08 per \$33.47 when it was issued on January 30, 2009 because investors were effectively being paid only \$6.51 for giving UBS options which were worth \$7.90.

There is no active secondary market for most structured products. Structured products, including this note, therefore are much less liquid than simple stocks, bonds, notes and mutual funds. Investors are likely to receive less than the structured product's estimated market value if they try to sell the structured product prior to maturity. Our valuations do not incorporate this relative lack of liquidity and therefore should be considered an upper bound on the value of the structured product.

Payoff Curve at Maturity



The payoff diagram shows the final payoff of this note given Market Vectors Gold Miners ETF's stock price (horizontal axis). For comparison, the dashed line shows the payoff if you invested in Market Vectors Gold Miners ETF's stock directly.

Related Research

Research Papers:

www.slcg.com/research.php

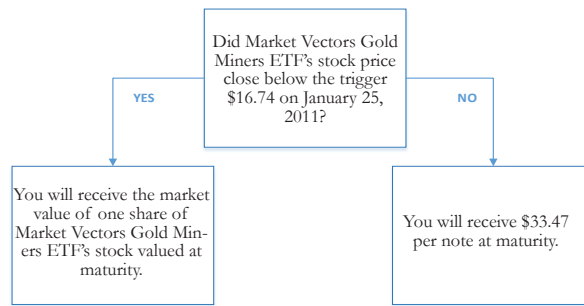
- "Are Structured Products Suitable for Retail Investors?" December 2006.
- "Structured Products in the Aftermath of Lehman Brothers," November 2009.
- "What TiVo and JP Morgan Teach Us about Reverse Convertibles," June 2010.

Mike Yan, Ph.D.,
 Senior Financial Economist, SLCG
 (+1) 703.539.6780
 MikeYan@slcg.com

Principal Payback Table

Market Vectors Gold Miners ETF's Stock	Note Payoff
\$0.00	\$0.00
\$3.35	\$3.35
\$6.69	\$6.69
\$10.04	\$10.04
\$13.39	\$13.39
\$16.74	\$33.47
\$20.08	\$33.47
\$23.43	\$33.47
\$26.78	\$33.47
\$30.12	\$33.47
\$33.47	\$33.47
\$36.82	\$33.47
\$40.16	\$33.47
\$43.51	\$33.47
\$46.86	\$33.47
\$50.21	\$33.47

Maturity Payoff Diagram



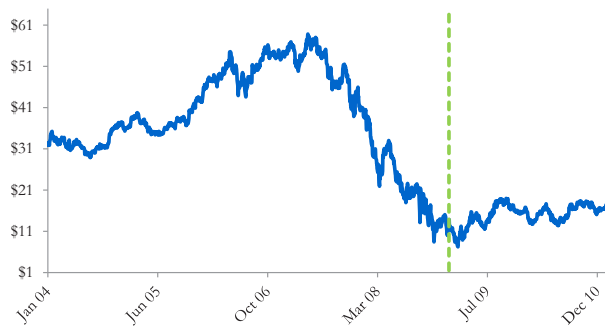
The contingent payoffs of this Yield Optimization Security with Contingent Protection.

Analysis

This single observation reverse convertible's 13.90% coupon rate is higher than the yield UBS paid on its straight debt but, in addition to UBS's credit risk, investors bear the risk that they will receive shares of Market Vectors Gold Miners ETF's stock when those shares are worth substantially less than the face value of the note at maturity.

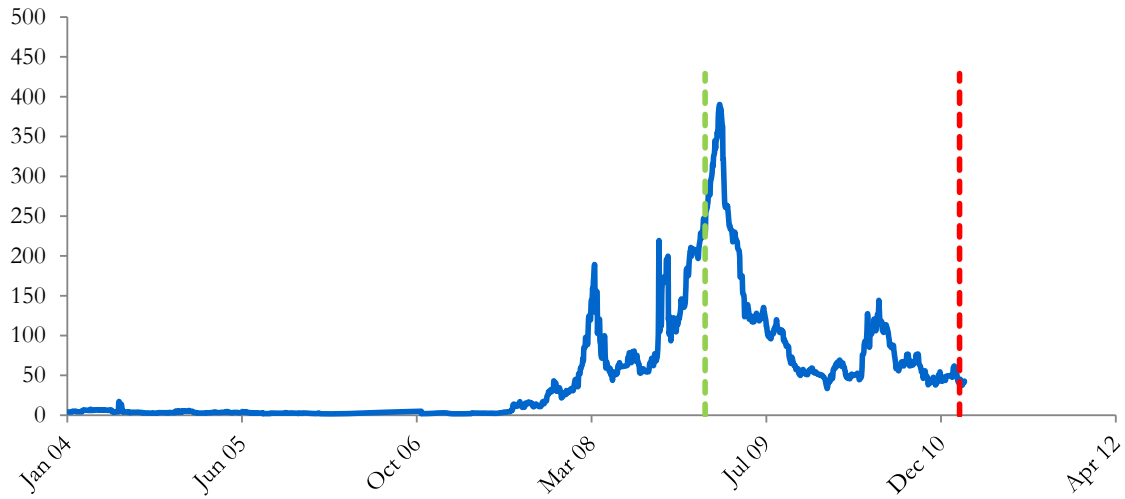
Investors purchasing these reverse convertibles effectively sell put options to UBS and post the note's issue price as collateral to secure satisfaction of the investors' obligations under the option contracts. UBS pays investors a "coupon" that is part payment for the put options and part interest on the investors' posted collateral. This reverse convertible is fairly priced if and only if the difference between the reverse convertible's "coupon rate" and interest paid on UBS's straight debt equals the value of the put option investors are giving to UBS. Whether this reverse convertible is suitable or not is identically equivalent to whether selling put options on the reference stock at the option premium being paid by UBS was suitable for the investor.

UBS's Stock Price



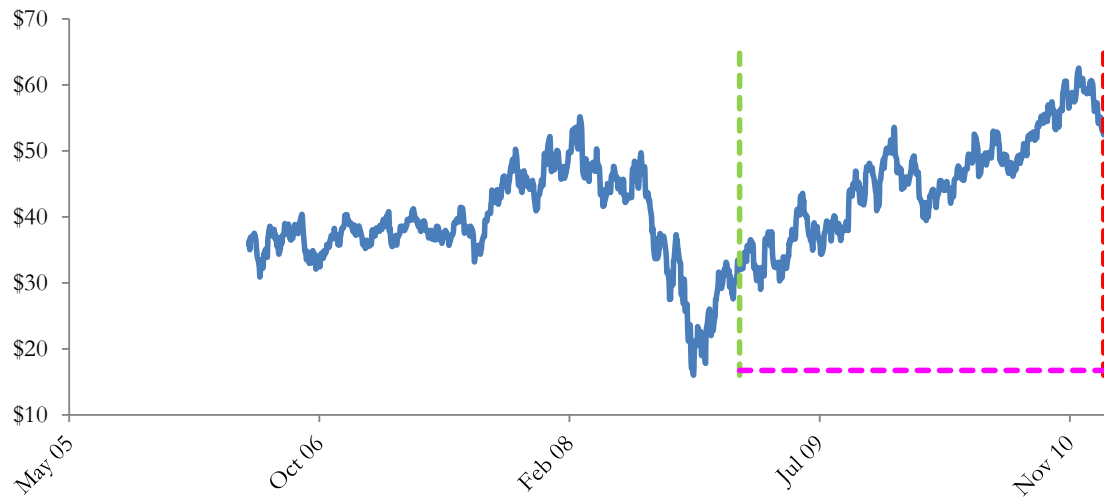
The graph above shows the adjusted closing price of the issuer UBS for the past several years. The stock price of the issuer is an indication of the financial strength of UBS. The adjusted price shown above incorporates any stock split, reverse stock split, etc.

UBS's CDS Rate



Credit default swap (CDS) rates are the market price that investors require to bear credit risk of an issuer such as UBS. CDS rates are usually given in basis points (bps). One basis point equals 0.01%. Higher CDS rates reflect higher perceived credit risk, higher required yields, and therefore lower market value of UBS's debt, including outstanding Yield Optimization Security with Contingent Protection. Fluctuations in UBS's CDS rate impact the market value of the notes in the secondary market.

Market Vectors Gold Miners ETF's Stock Price

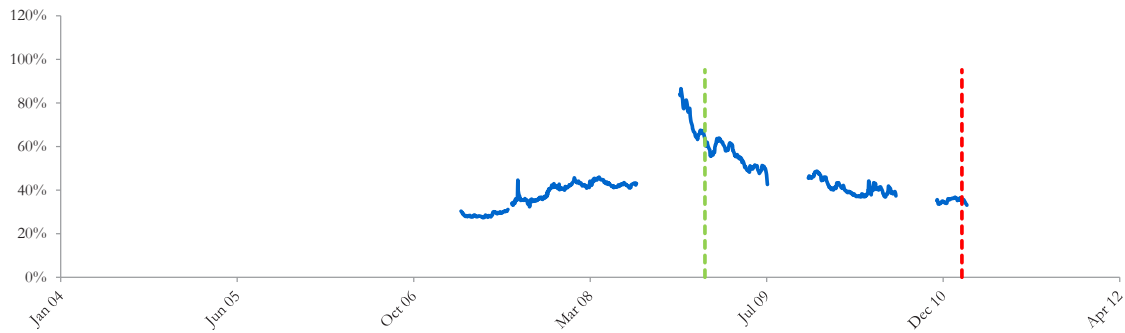


The graph above shows the historical levels of Market Vectors Gold Miners ETF's stock for the past several years. The final payoff of this note is determined by Market Vectors Gold Miners ETF's stock price at maturity. Higher fluctuations in Market Vectors Gold Miners ETF's stock price correspond to a greater uncertainty in the final payout of this Yield Optimization Security with Contingent Protection.

Realized Payoff

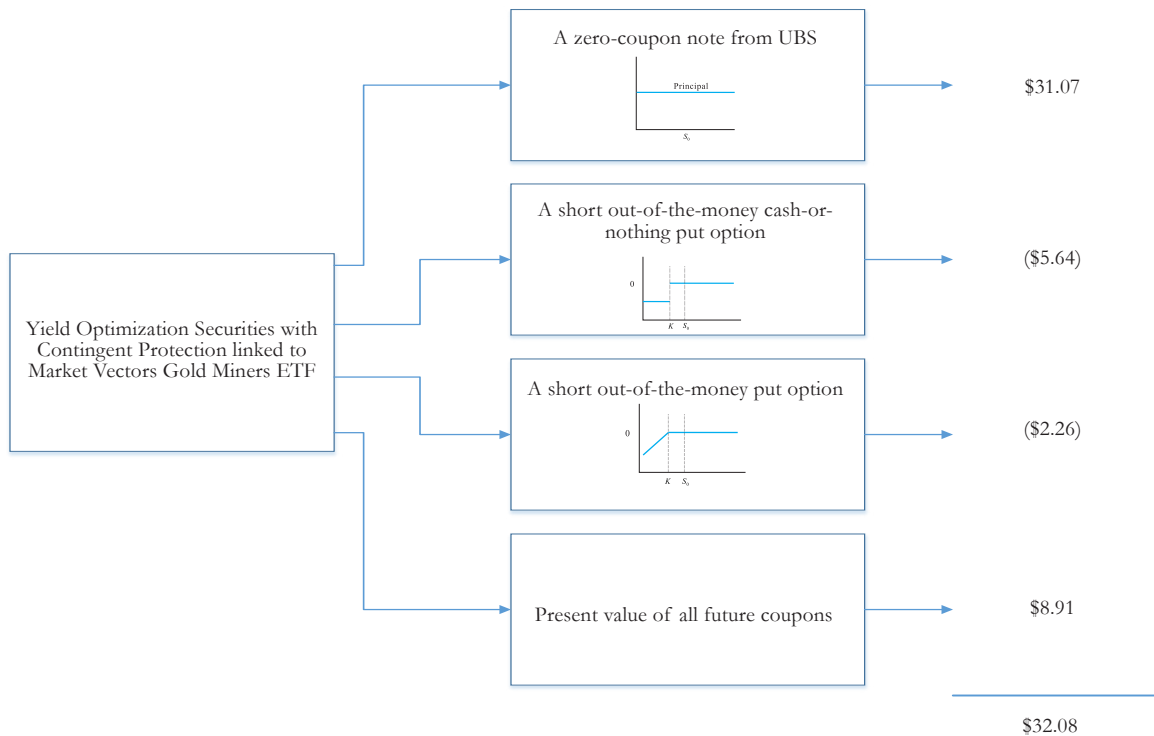
This note matured on January 31, 2011 and investors received \$33.47 per note.

Reference Asset Market Vectors Gold Miners ETF's Stock's Implied Volatility



The annualized implied volatility of Market Vectors Gold Miners ETF's stock on January 27, 2009 was 63.15%, meaning that options contracts on Market Vectors Gold Miners ETF's stock were trading at prices that reflect an expected annual volatility of 63.15%. The higher the implied volatility, the larger the expected fluctuations of Market Vectors Gold Miners ETF's stock price and of the Note's market value during the life of the Notes.

Decomposition of this Yield Optimization Security with Contingent Protection



This note can be decomposed into different components, and each component can be valued separately. The chart above shows the value of each component of this Yield Optimization Security with Contingent Protection.

1. Delta measures the sensitivity of the price of the note to the Market Vectors Gold Miners ETF's stock price on January 27, 2009.
2. CDS rates can be considered a measure of the probability that an issuer will default over a certain period of time and the likely loss given a default. The lower the CDS rate, the lower the default probability. CDS rate is given in basis points (1 basis point equals 0.01%), and is considered as a market premium, on top of the risk-free rate, that investors require to insure against a potential default.
3. Fair price evaluation is based on the Black-Scholes model of the Market Vectors Gold Miners ETF's stock on January 27, 2009.
4. Calculated payout at maturity is only an approximation, and may differ from actual payouts at maturity.
5. Our evaluation does not include any transaction fees, broker commissions, or liquidity discounts on the notes.