Swaps are financial derivatives in which two counterparties exchange cash flows of financial instruments. Variance and volatility swaps are becoming increasingly popular in financial markets. These are financial instruments that provide an easy way for investors to gain exposure to the future level of volatility. In this presentation, we use a non-Gaussian Ornstein-Uhlenbeck process driven by Lévy subordinators to model the dynamics of stock price and use this model to price variance, volatility, covariance, and correlation swaps. We use S&P500 index data for our regression fit. (Received December 08, 2014)