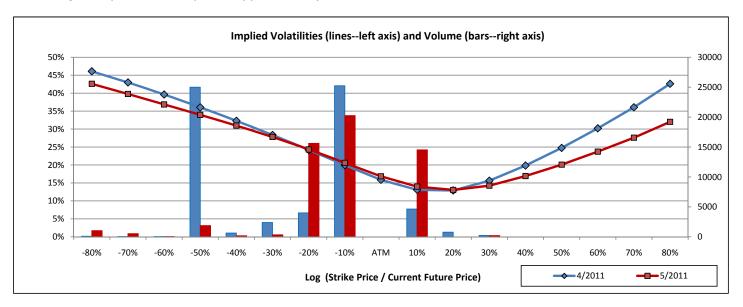
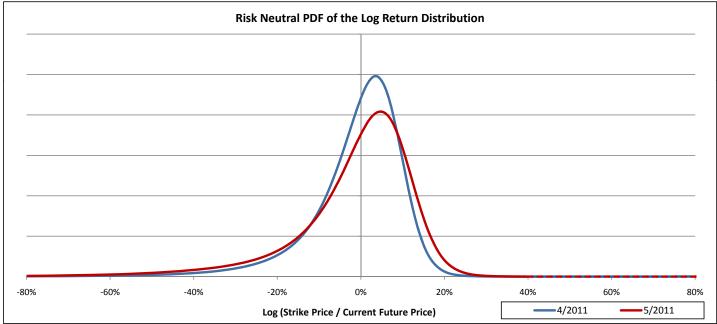
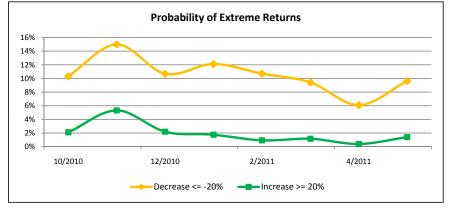
# **RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- S&P 500**

Log returns are based on the risk neutral density function derived from options that expire in approximately six months.

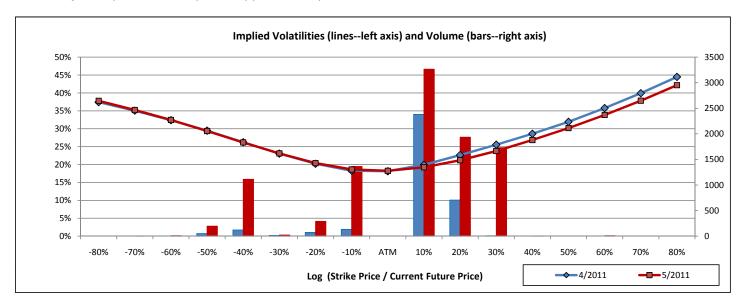


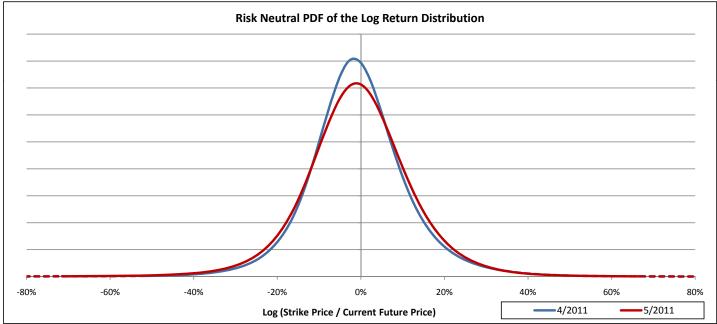


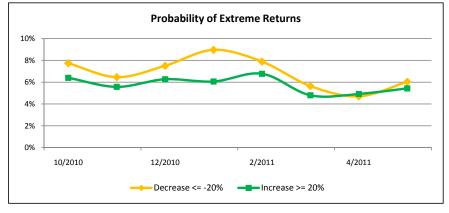


Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
	4.4.500/	40.400/	4.00/		
10th Pct	-14.58%	-19.40%	-4.8%		
50th Pct	1.03%	1.52%	0.5%		
90th Pct	10.38%	12.83%	2.4%		
Mean	-1.10%	-1.70%	-0.6%		
Std Dev	12.25%	15.57%	3.3%		
Skew	-2.33	-2.25	0.08		
Kurtosis	13.30	9.66	-3.64		

# **RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- GOLD FUTURES**

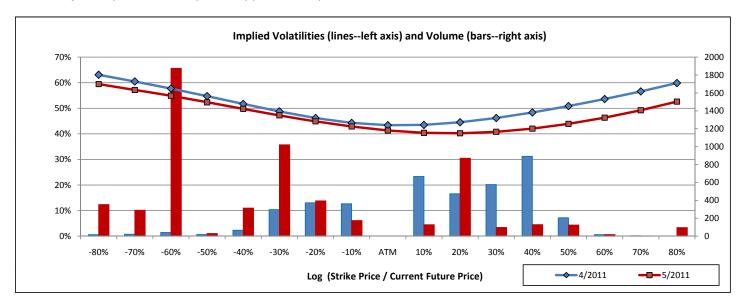


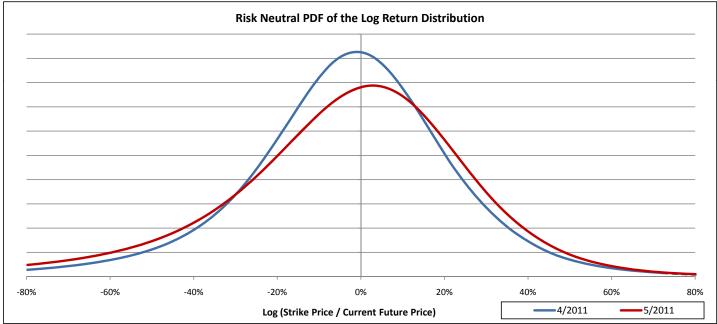


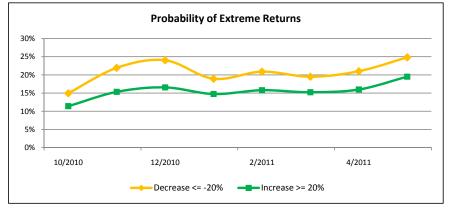


Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-14.60%	-16.00%	-1.40%		
50th Pct	-1.11%	-0.70%	0.40%		
90th Pct	13.95%	15.11%	1.16%		
Mean	-0.63%	-0.62%	0.02%		
Std Dev	12.53%	13.41%	0.88%		
Skew	0.19	-0.05	-0.24		
Kurtosis	3.17	2.75	-0.42		

## **RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- SILVER FUTURES**

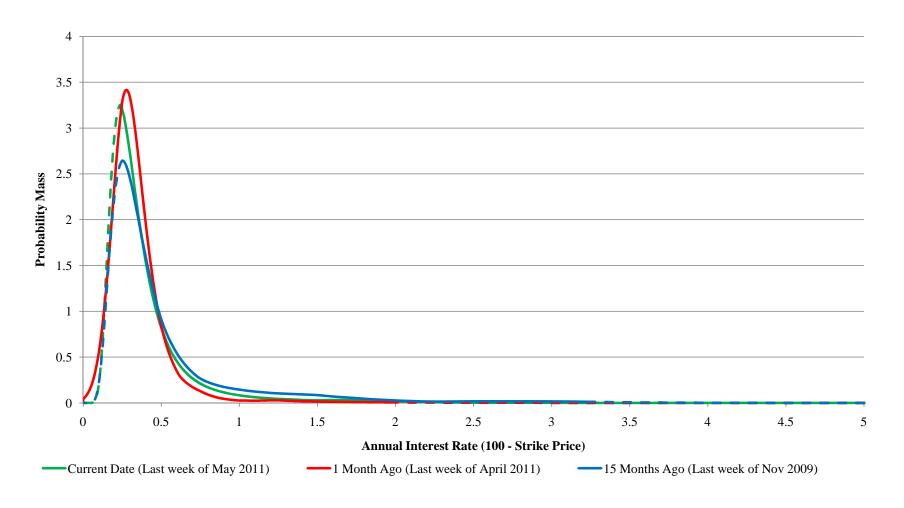






Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-33.80%	-43.16%	-9.4%		
50th Pct	-1.71%	-0.87%	0.8%		
90th Pct	28.29%	31.11%	2.8%		
Mean	-2.64%	-4.12%	-1.5%		
Std Dev	25.24%	30.63%	5.4%		
Skew	-0.24	-0.75	-0.50		
Kurtosis	0.99	1.41	0.43		

# Risk-Neutral Density Function--Eurodollar Interest Rate Futures Contract in '6 Months'

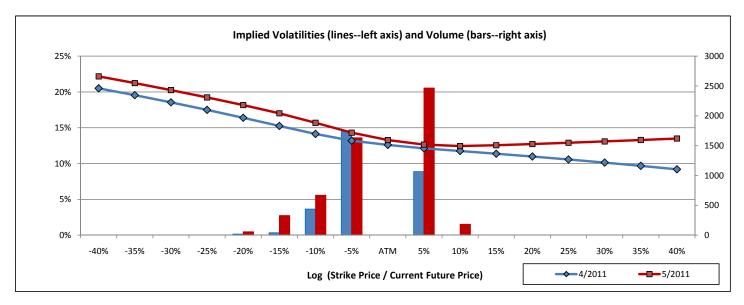


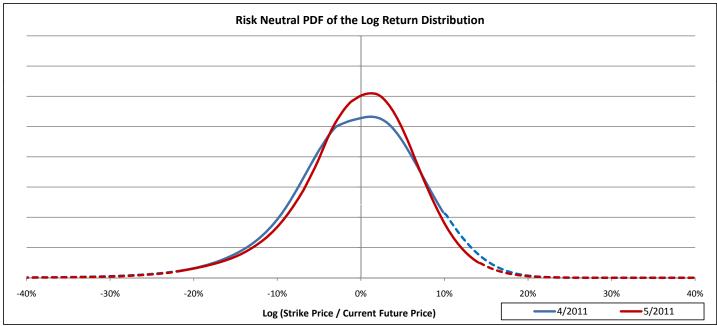
#### **Percentiles of the Distributions**

## **Underlying Asset Statistics (trailing year)**

	Current Date (Last week of May 2011)	1 Month Ago (Last week of April 2011)	15 Months Ago ( <u>Last week of Nov 2009)</u>	Average Minimum	0.86 0.43
5th	0.94	0.67	1.59	Maximum	2.15
10th	0.67	0.53	1.09		
90th	0.18	0.17	0.19		
95th	0.16	0.14	0.16		

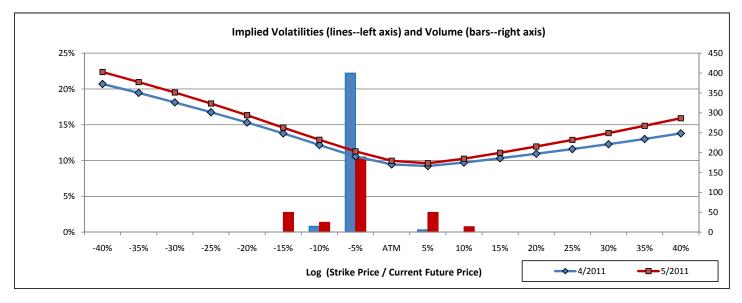
#### RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- DOLLAR-EURO EXCHANGE RATE FUTURES

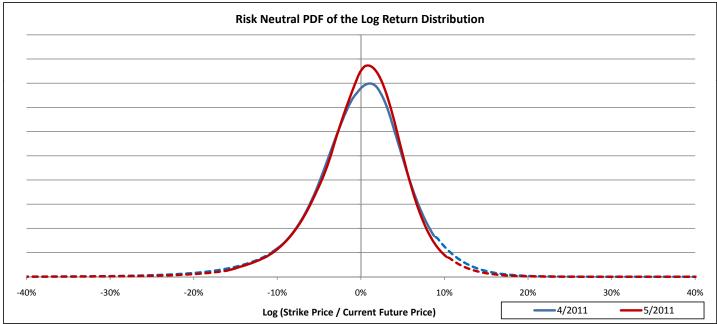




Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-10.33%	-9.68%	0.7%		
50th Pct	-0.09%	0.15%	0.2%		
90th Pct	8.93%	8.15%	-0.8%		
Mean	-0.49%	-0.41%	0.1%		
Std Dev	7.91%	7.37%	-0.5%		
Skew	-0.54	-0.65	-0.12		
Kurtosis	1.04	1.39	0.36		

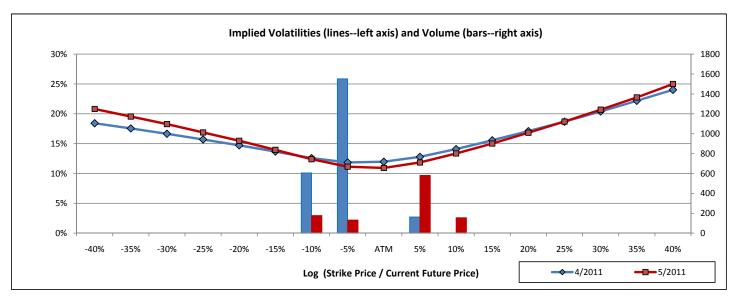
#### RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- DOLLAR-POUND EXCHANGE RATE FUTURES

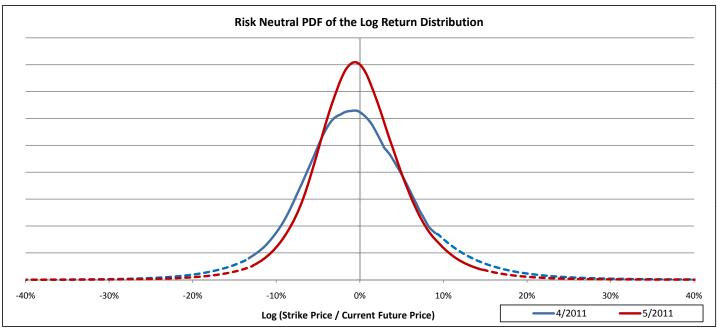




Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-7.38%	-6.98%	0.4%		
50th Pct	0.31%	0.36%	0.1%		
90th Pct	6.79%	6.19%	-0.6%		
Mean	-0.10%	-0.09%	0.0%		
Std Dev	6.22%	5.68%	-0.5%		
Skew	-0.76	-0.75	0.01		
Kurtosis	2.91	2.79	-0.12		

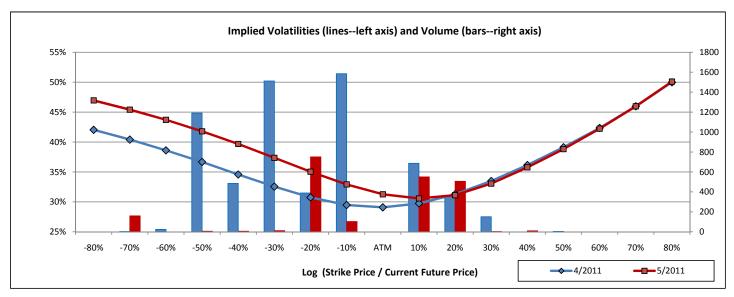
#### RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- YEN-DOLLAR EXCHANGE RATE FUTURES

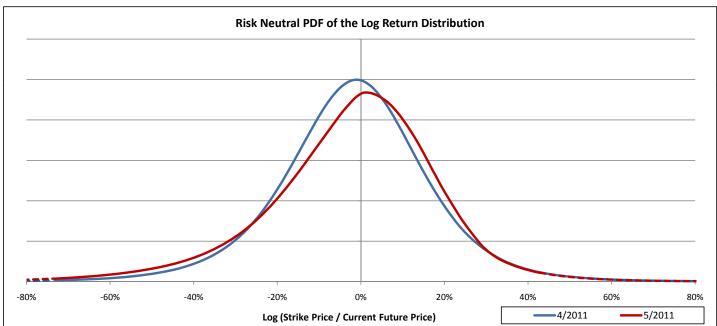


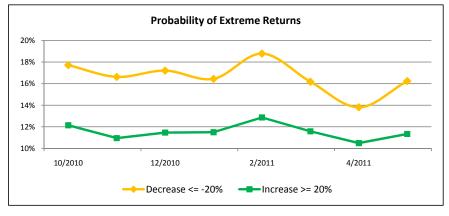


Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-8.86%	-7.07%	1.8%		
50th Pct	-0.59%	-0.35%	0.2%		
90th Pct	8.79%	7.09%	-1.7%		
Mean	-0.23%	-0.14%	0.1%		
Std Dev	7.67%	6.18%	-1.5%		
Skew	0.32	0.20	-0.12		
Kurtosis	2.08	2.80	0.72		

# **RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- CRUDE OIL FUTURES**

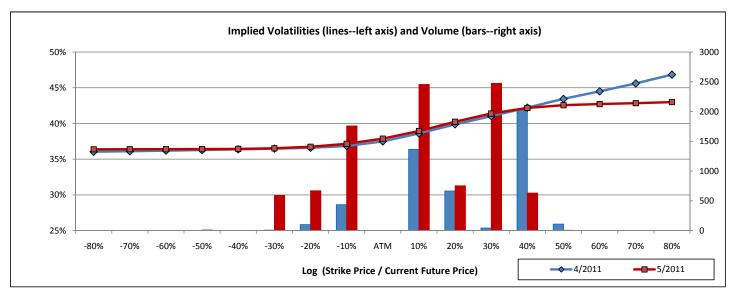


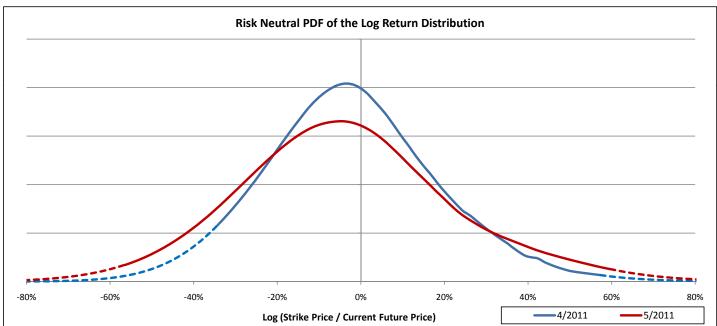


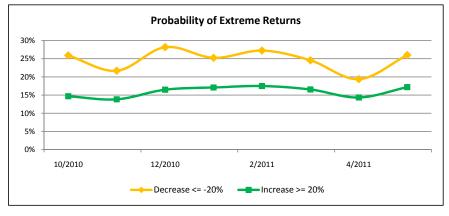


Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-24.03%	-27.69%	-3.67%		
50th Pct	-1.45%	-0.18%	1.27%		
90th Pct	20.62%	21.48%	0.86%		
Mean	-1.56%	-1.79%	-0.23%		
Std Dev	18.62%	20.40%	1.79%		
Skew	-0.08	-0.44	-0.36		
Kurtosis	1.27	1.19	-0.08		

## **RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- WHEAT FUTURES**

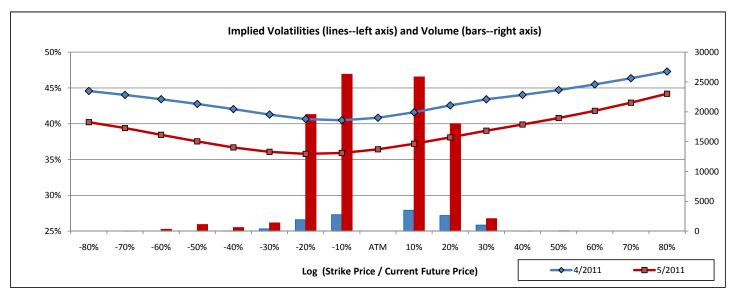


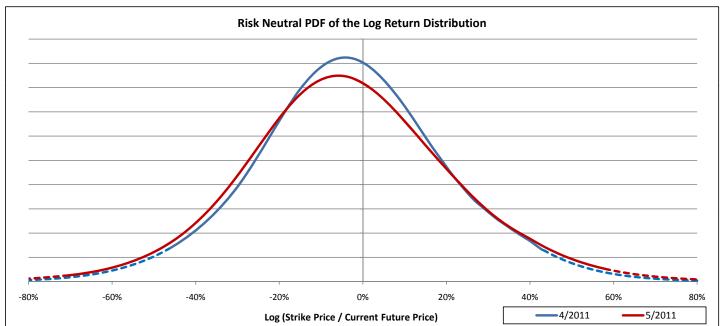


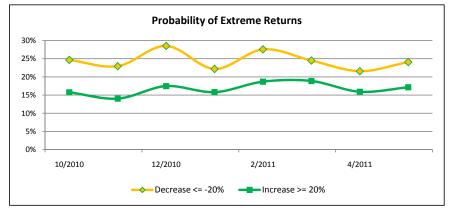


Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-28.67%	-35.62%	-6.9%		
50th Pct	-3.02%	-4.63%	-1.6%		
90th Pct	25.54%	31.25%	5.7%		
Mean	-2.15%	-3.42%	-1.3%		
Std Dev	21.27%	26.04%	4.8%		
Skew	0.23	0.25	0.01		
Kurtosis	0.33	0.18	-0.15		

# **RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- CORN FUTURES**

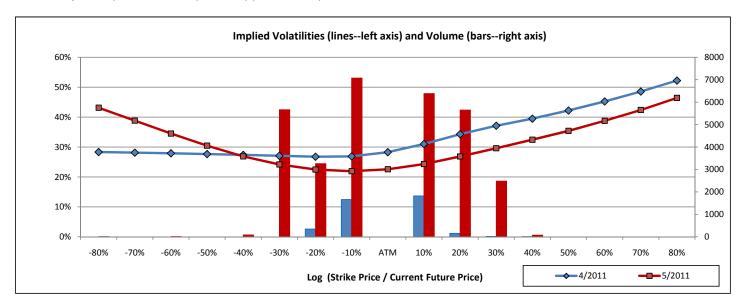


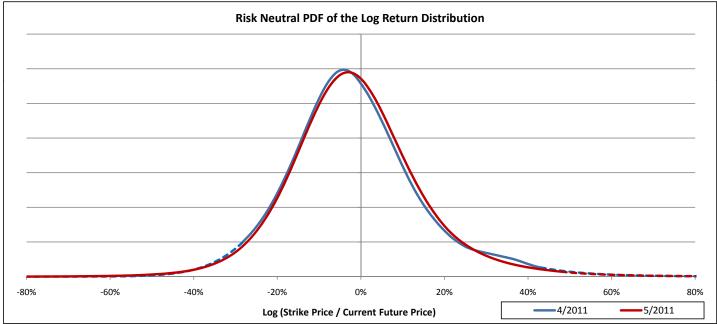


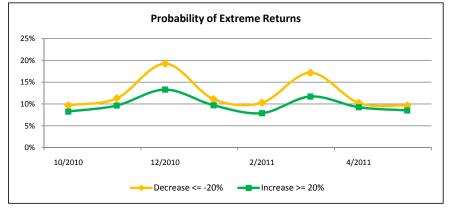


Statistics of	Statistics of the Log Return Distributions					
	4/2011	5/2011	Change			
10th Pct	-31.60%	-34.08%	-2.5%			
50th Pct	-3.05%	-3.88%	-0.8%			
90th Pct	27.58%	29.79%	2.2%			
Mean	-2.57%	-3.08%	-0.5%			
Std Dev	23.36%	25.10%	1.7%			
Skew	0.08	0.13	0.05			
Kurtosis	0.29	0.26	-0.03			

## **RISK NEUTRAL PROBABILITY DENSITY FUNCTIONS -- SOYBEAN FUTURES**







Statistics of the Log Return Distributions					
	4/2011	5/2011	Change		
10th Pct	-20.22%	-19.74%	0.5%		
50th Pct	-2.69%	-2.07%	0.6%		
90th Pct	19.08%	18.32%	-0.8%		
Mean	-1.32%	-1.18%	0.1%		
Std Dev	16.41%	16.31%	-0.1%		
Skew	0.65	0.24	-0.41		
Kurtosis	1.51	3.45	1.94		