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**DOUBLE PROBABILITY DISCOUNT FOR LACK OF MARKETABILITY**  
**Based on Marketing Period and Price Volatility Probabilities**

**Appraiser**

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**Valuation Subject**

Sample Company  
1234 First Street, Suite 100  
Kansas City, Missouri 64114  
United States

**Valuation Date**

10 / 05 / 2016

**Report Date**

10 / 05 / 2016

**Probability-Adjusted Discount for Lack of Marketability**

8.9%



**Summary Results**

**Discount for Lack of Marketability**

	Low Bound	Average	High Bound
Probability Adjusted DLOM	8.4%	8.9%	9.4%
DLOM Price Volatility Mean	4.2%	4.9%	5.1%
DLOM Price Volatility Median	3.0%	3.7%	3.9%
DLOM Price Volatility Mode	1.5%	1.5%	1.6%
DLOM Marketing Period Mean	3.3%	3.3%	3.8%
DLOM Marketing Period Median	2.2%	2.1%	2.7%
DLOM Marketing Period Mode	0.6%	0.5%	0.9%

**Marketing Period**

	Low Bound	Average	High Bound
Probability Adjusted Marketing Period Mean	209.2	212.1	215.0
Marketing Period Mean	213.2	216.1	219.0
Marketing Period Median	159.4	162.5	165.6
Marketing Period Mode	89.1	91.9	94.8
Standard Deviation	189.3	189.3	189.3
Coefficient of Variation	0.9	0.9	0.9
95th Percentile	1,342.0	1,339.0	1,336.1

**Price Volatility**

	Low Bound	Average	High Bound
Probability Adjusted Price Volatility Mean	14.0%	14.7%	15.4%
Price Volatility Mean	14.3%	15.0%	15.7%
Price Volatility Median	10.2%	11.0%	11.8%
Price Volatility Mode	5.3%	5.9%	6.6%
Standard Deviation	13.8%	13.8%	13.8%
Coefficient of Variation	1.0	0.9	0.9
95th Percentile	99.6%	98.8%	98.1%



### Summary Results

#### Marketing Period Statistics

Factor Name	Specified Range	Average Days	Standard Deviation in Days	Coefficient of Variation	Standard Error	Transaction Count	95% Confidence Interval	
							Low	High
SIC	5500 to 5599	224.0	177.0	0.79	7.5	551	209.2	238.8
Asking Price	\$79,000 to \$194,000	203.4	177.9	0.87	2.3	5,924	198.9	207.9
Employees	0 to 50	215.8	189.3	0.88	1.5	16,361	212.9	218.7
Annual Revenue	\$0 to \$830,000	207.3	181.7	0.88	1.6	12,336	204.1	210.5
Month	Aug, Sept, Oct	219.3	189.5	0.86	2.9	4,218	213.6	225.1
Region	AR, IA, KS, MO, NE, OK	202.4	209.5	1.03	11.4	339	180.1	224.7
<b>Weighted Average of Factors</b>		211.7	185.3	0.88	0.9	39,729	209.9	213.5
<b>Average of Unique Transactions</b>		216.1	189.3	0.88	1.5	16,423	213.2	219.0
<b>Transactions With All Factors</b>		0.0	0.0	0.00	0.0	0	0.0	0.0

#### Price Volatility Statistics

Ticker	Average	Standard Deviation	Price Volatility Days	Coefficient of Variation	Standard Error	From Date	To Date	95% Confidence Interval	
								Low	High
<b>IBM</b>	15.4%	14.9%	500	1.0	0.7%	2014-10-09	2016-10-04	14.1%	16.7%
<b>T</b>	11.6%	9.8%	500	0.8	0.4%	2014-10-09	2016-10-04	10.8%	12.5%
<b>F</b>	17.9%	16.8%	500	0.9	0.8%	2014-10-09	2016-10-04	16.4%	19.4%
<b>Overall</b>	15.0%	13.8%	1,500	0.9	0.4%	2014-10-09	2016-10-04	14.3%	15.7%

#### Formula Inputs

Selected Formula  
 Marketing Period Carrying Cost

Longstaff  
 Simple



**DOUBLE PROBABILITY DLOM**  
Based on Marketing Period and Price Volatility Probabilities  
Valuation Date: 10/05/2016  
For: **Sample Company**

## Summary Results

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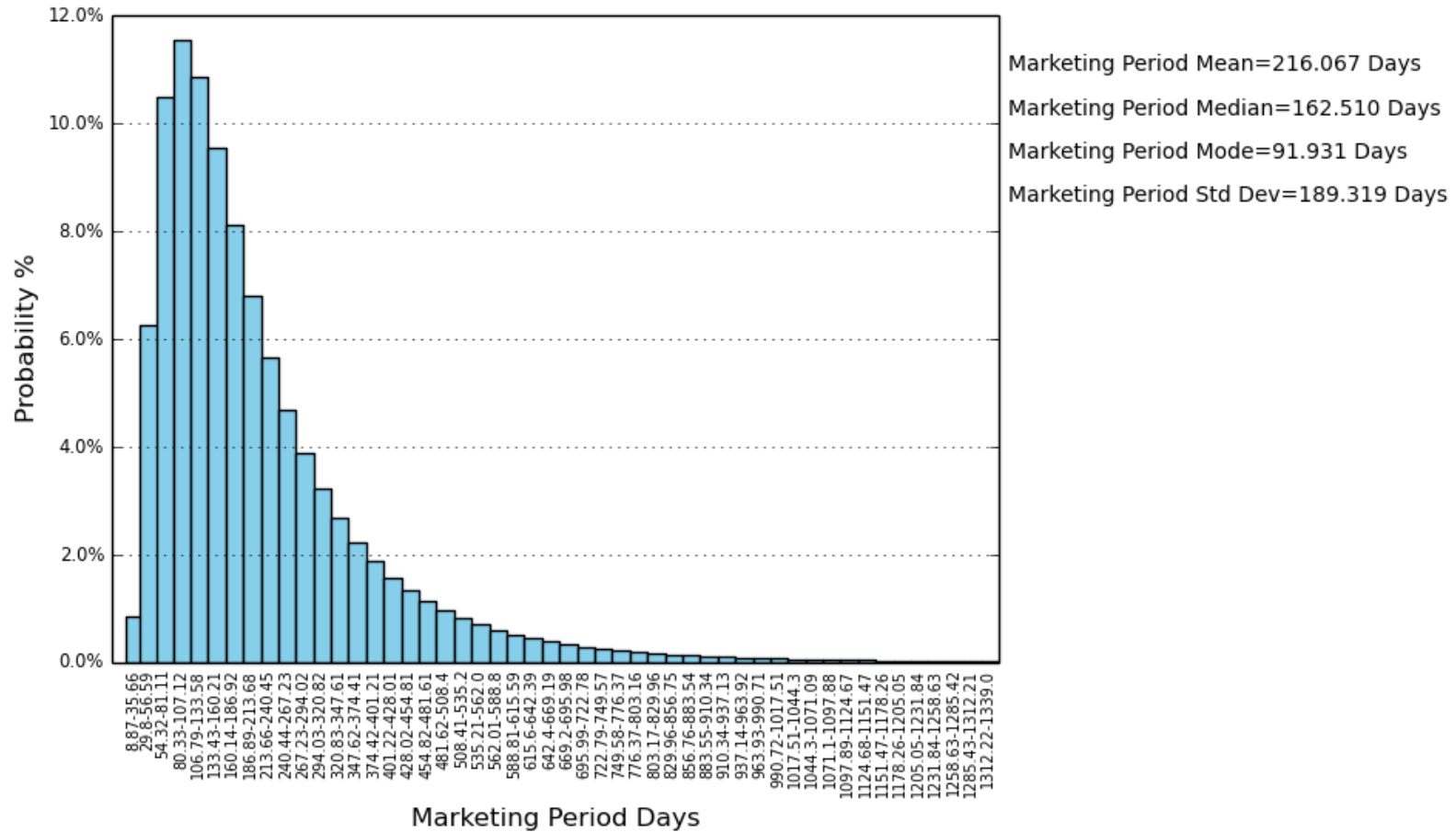
Cost of Money (APR)

0%



**Marketing Period Graphs**

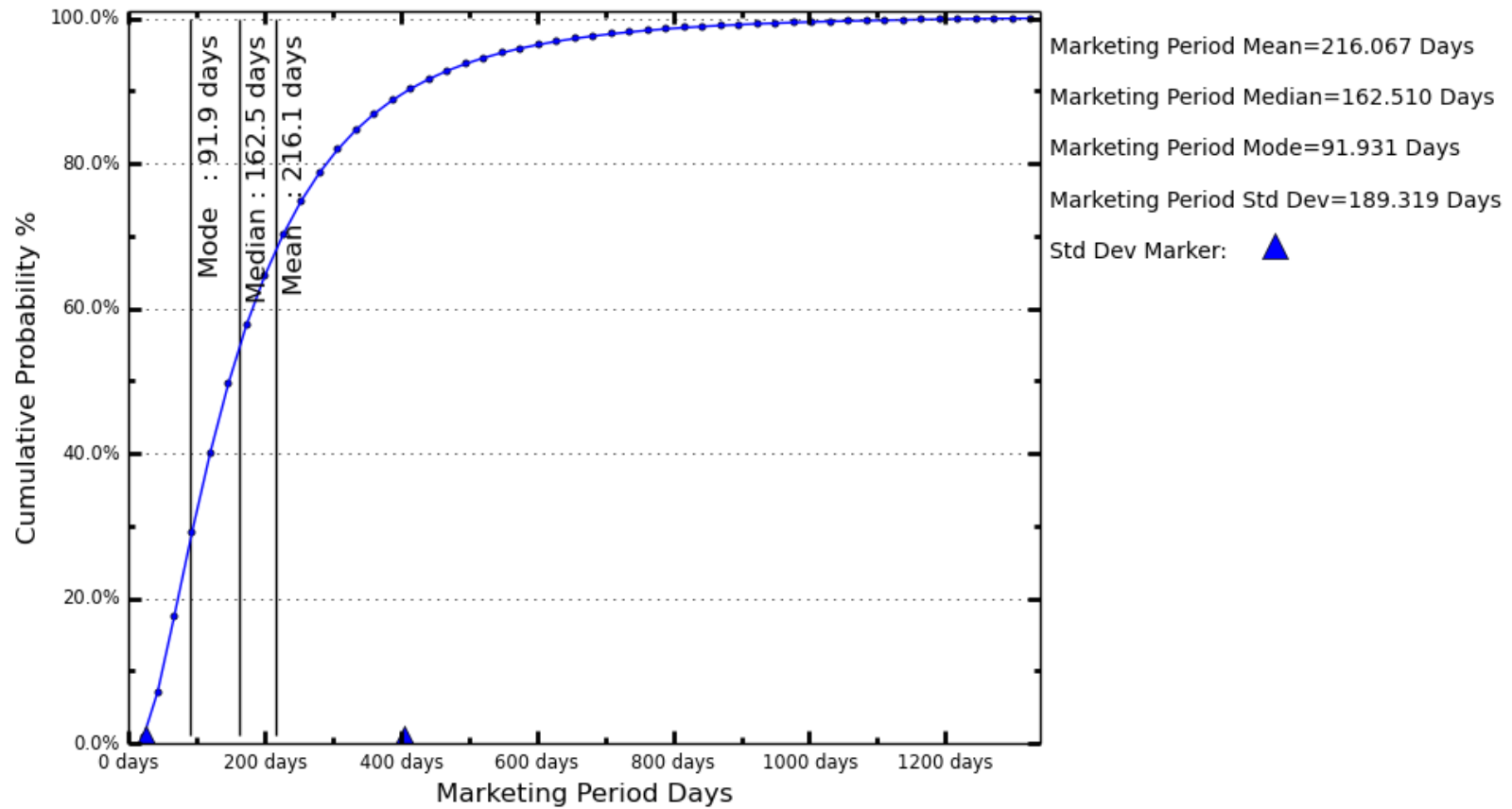
Probabilities by Marketing Period Intervals





### Marketing Period Graphs

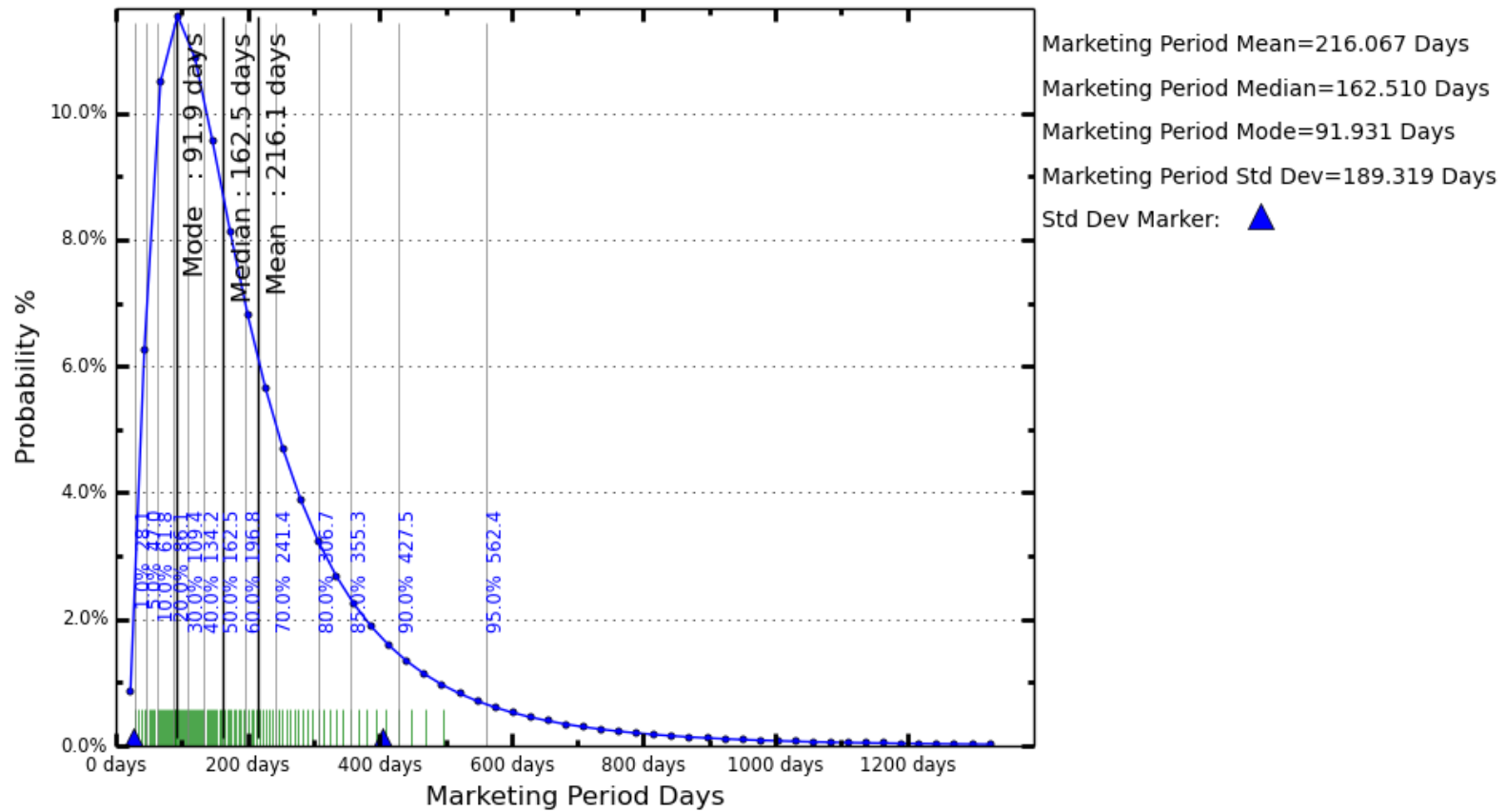
Cumulative Probability of Marketing Period





**Marketing Period Graphs**

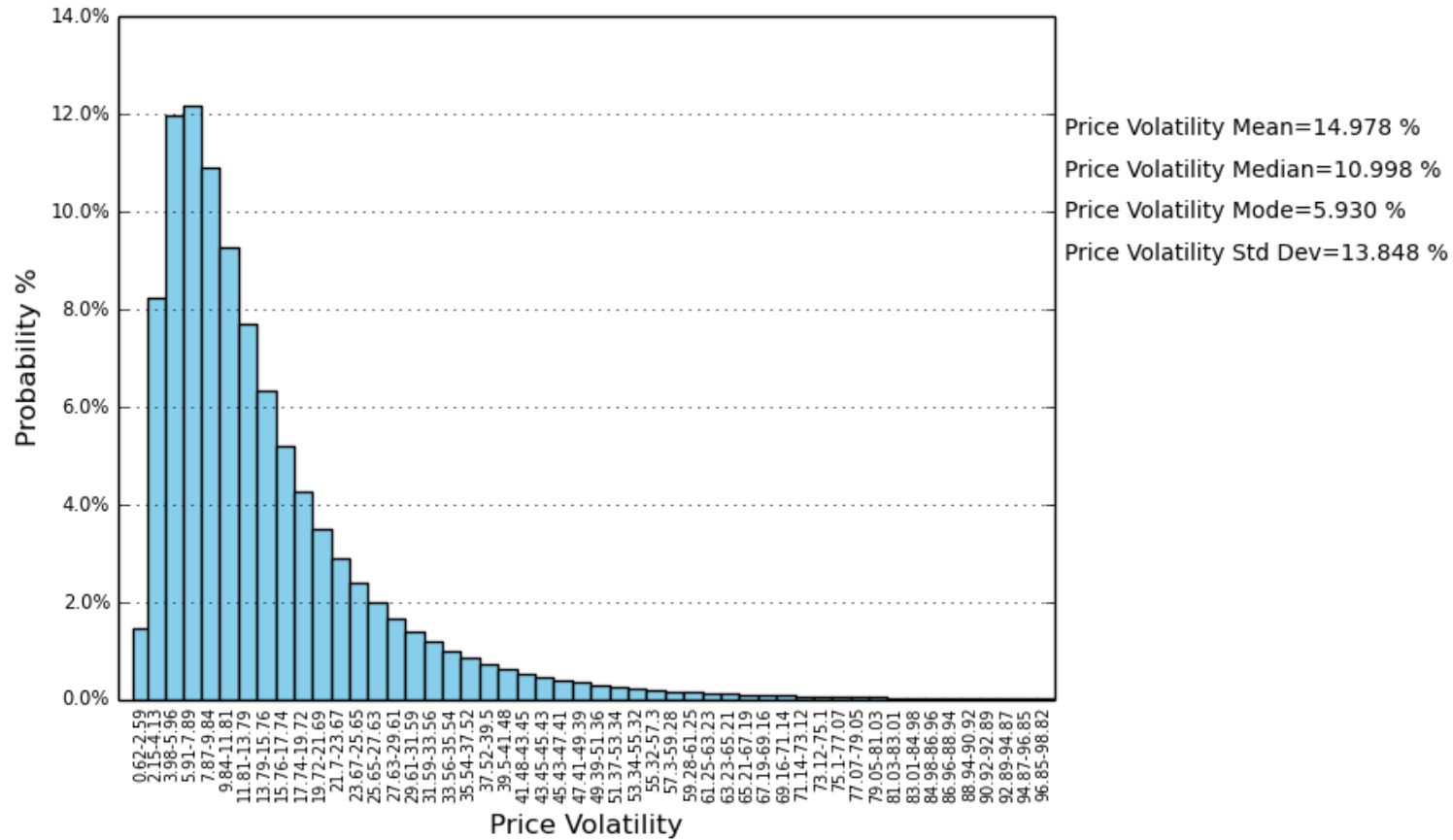
Probabilities by Marketing Period Intervals





**Price Volatility Graphs**

Probabilities by Price Volatility Intervals

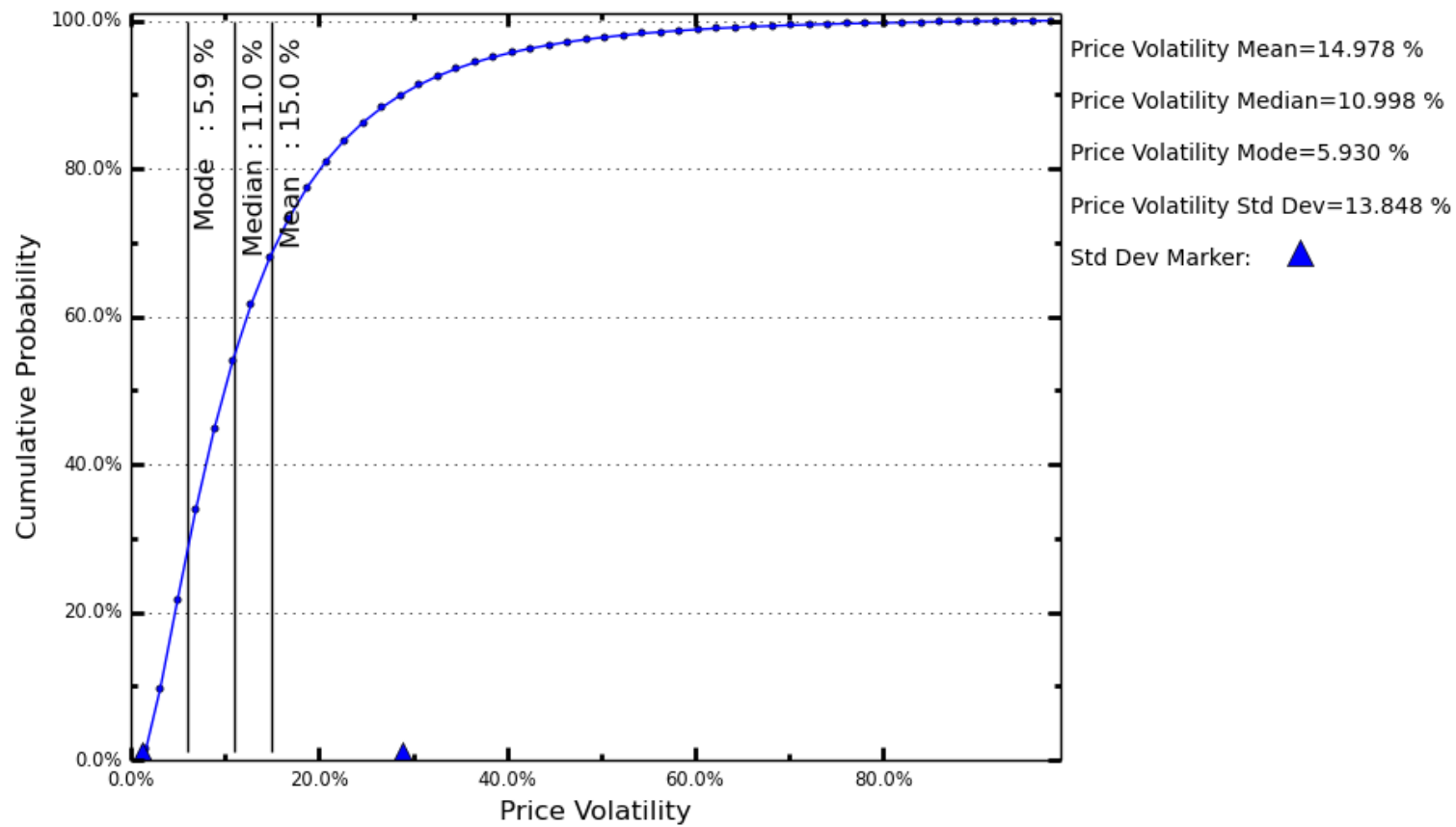






### Price Volatility Graphs

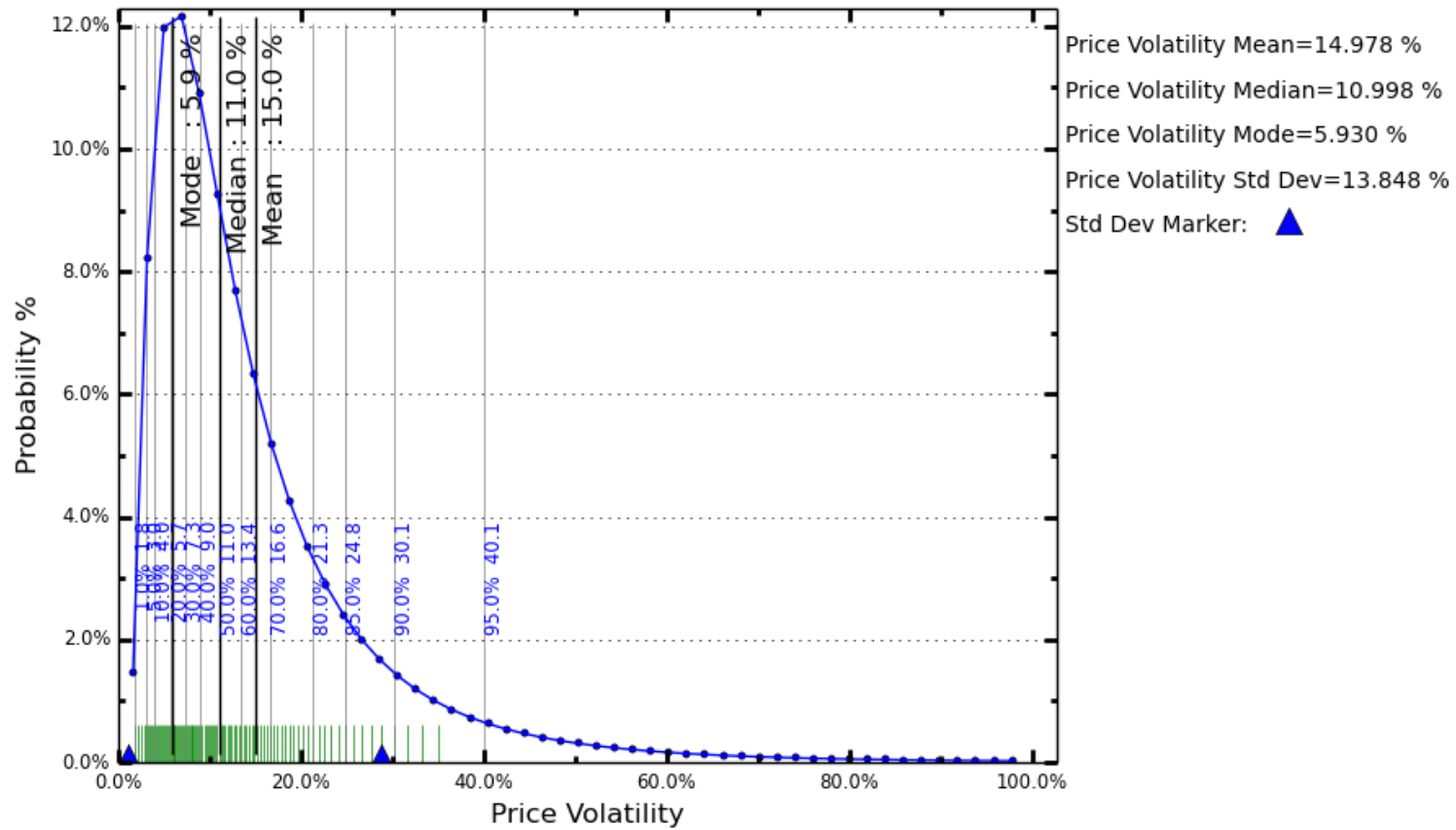
Cumulative Probability of Price Volatility





**Price Volatility Graphs**

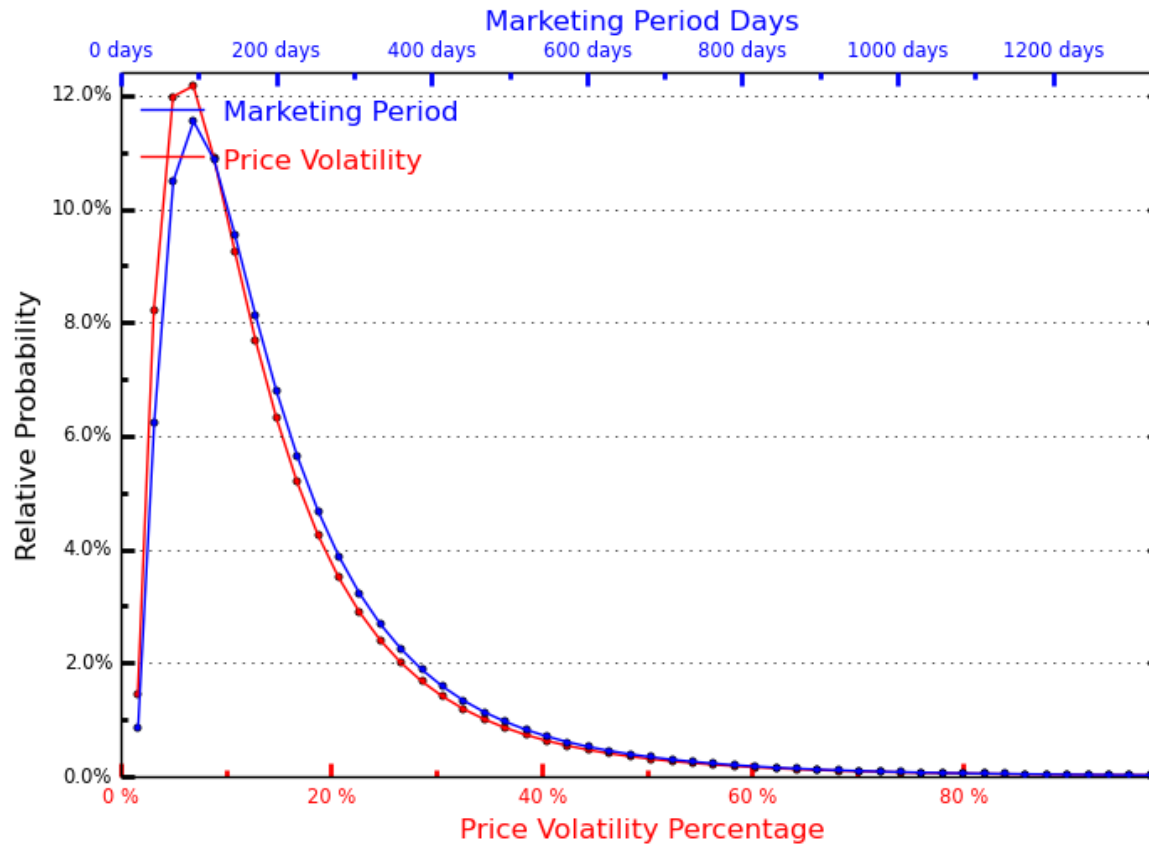
**Probabilities by Price Volatility Intervals**





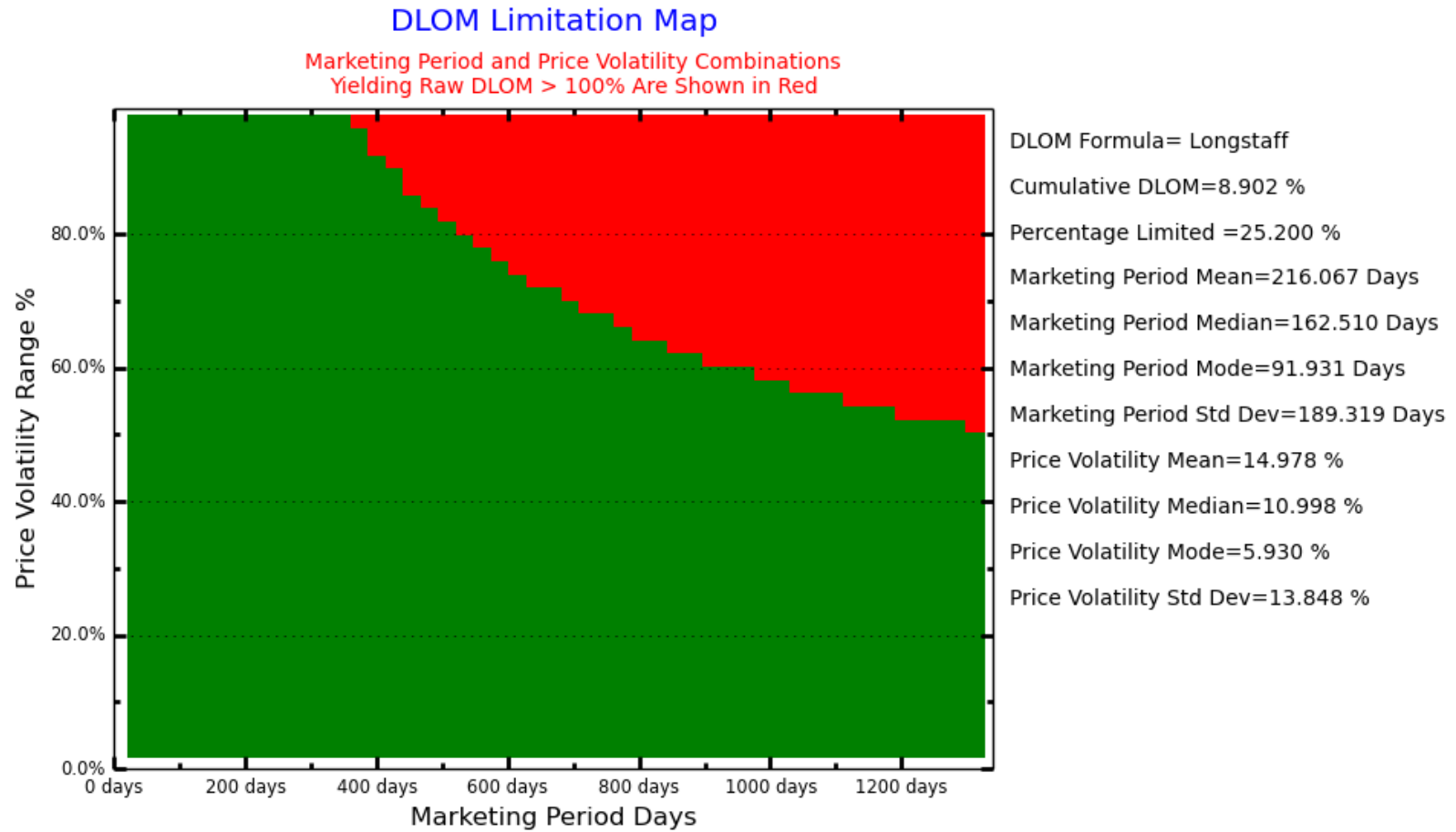
### Combined Probabilities Graphs

Comparative Probability Distributions of Marketing Period and Price Volatility





**Combined Probabilities Graphs**

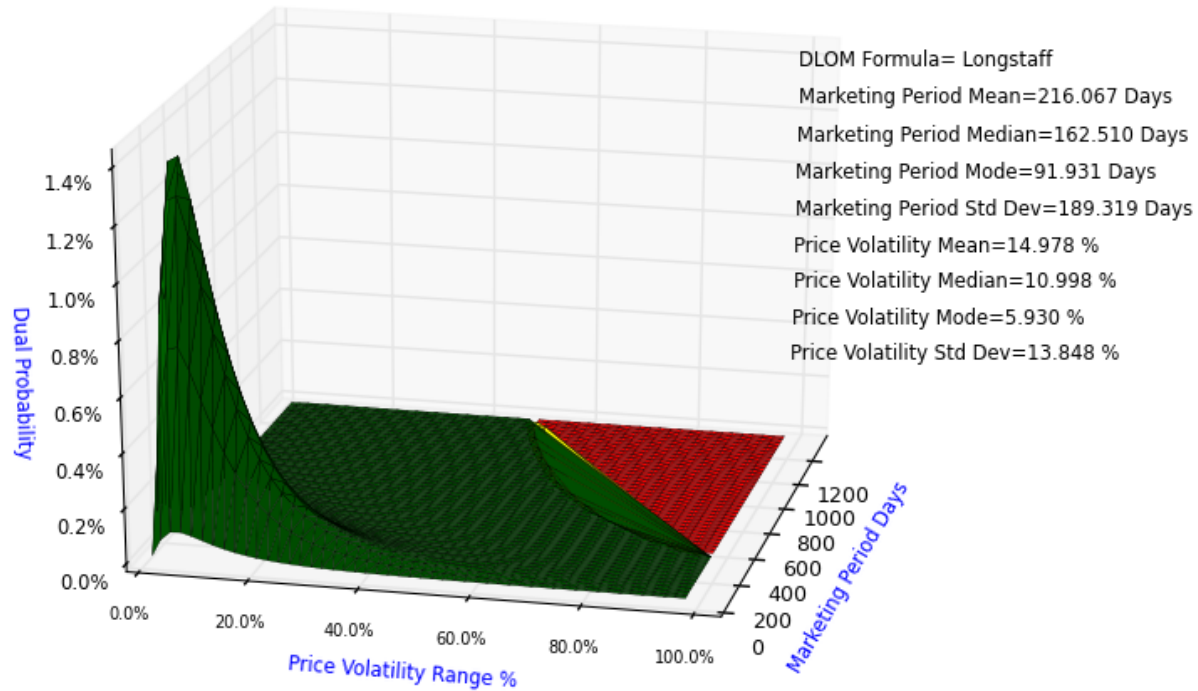




### Combined Probabilities Graphs

#### Combined Probabilities

Marketing Period and Price Volatility Combinations  
Yielding Raw DLOM > 100% Are Shown in Red

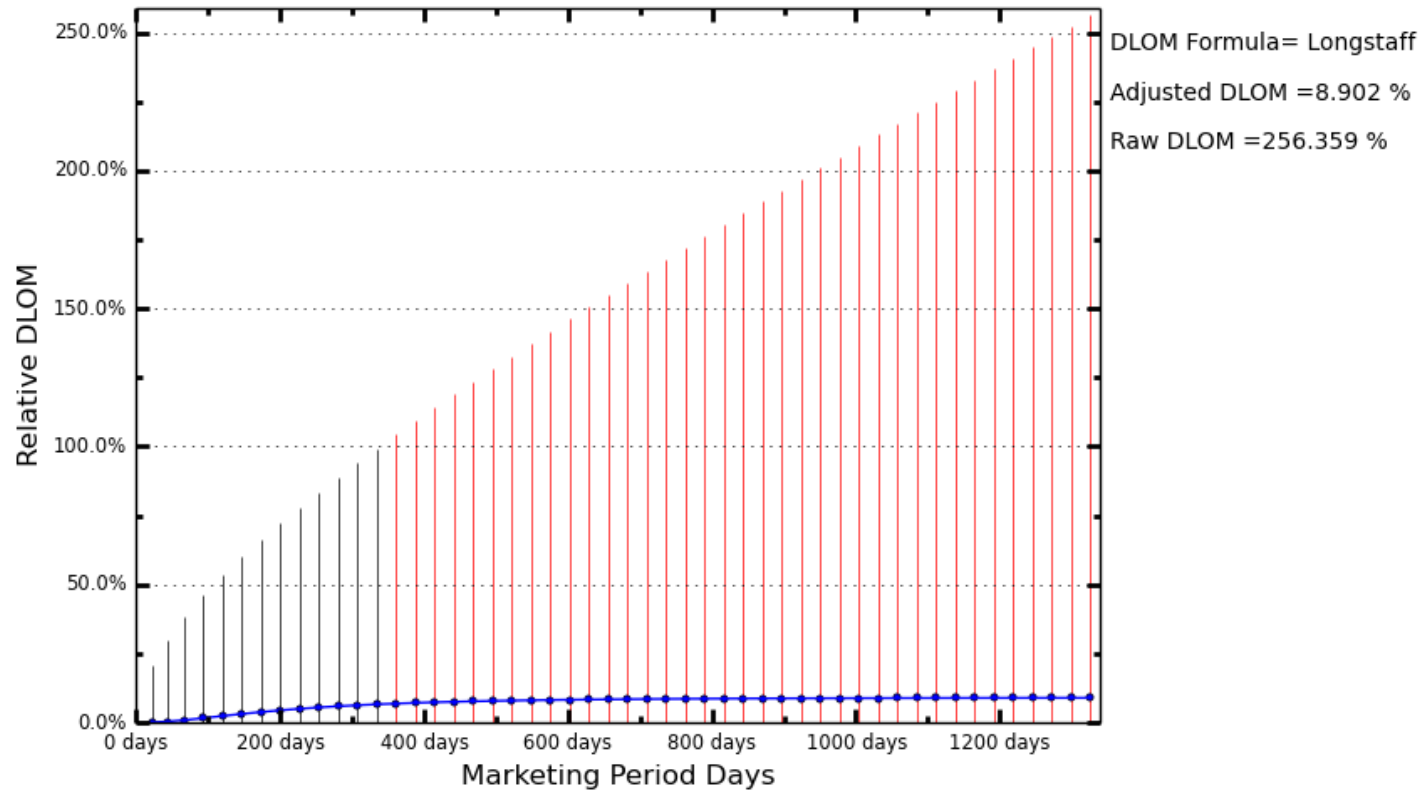




## DLOM Graphs

Some combinations of marketing period and price volatility are yielding raw DLOMs greater than 100%.  
The VFC DLOM Calculator has limited these combinations to 100% DLOM.

### Cumulative Probability Adjusted DLOM (Marketing Period)

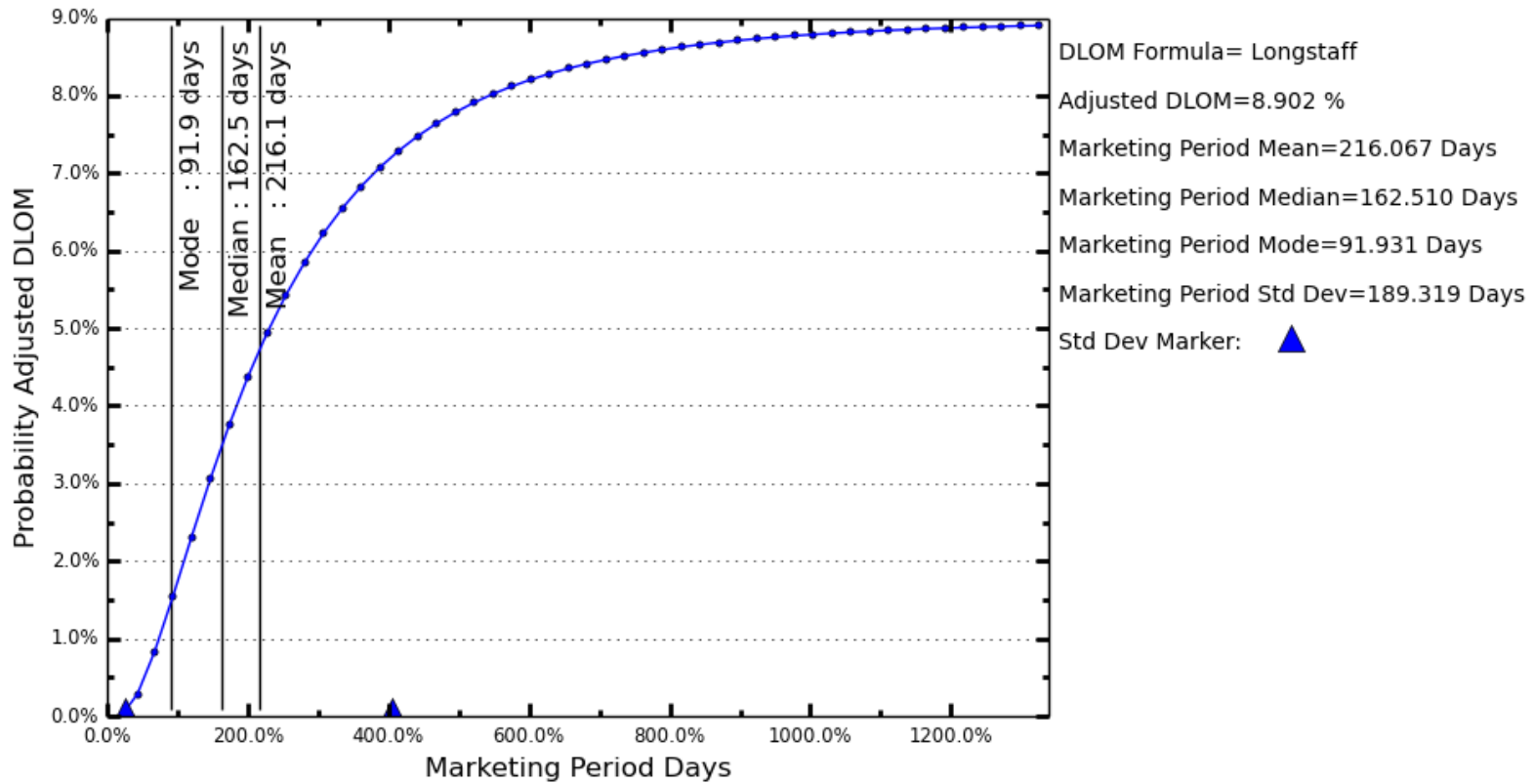




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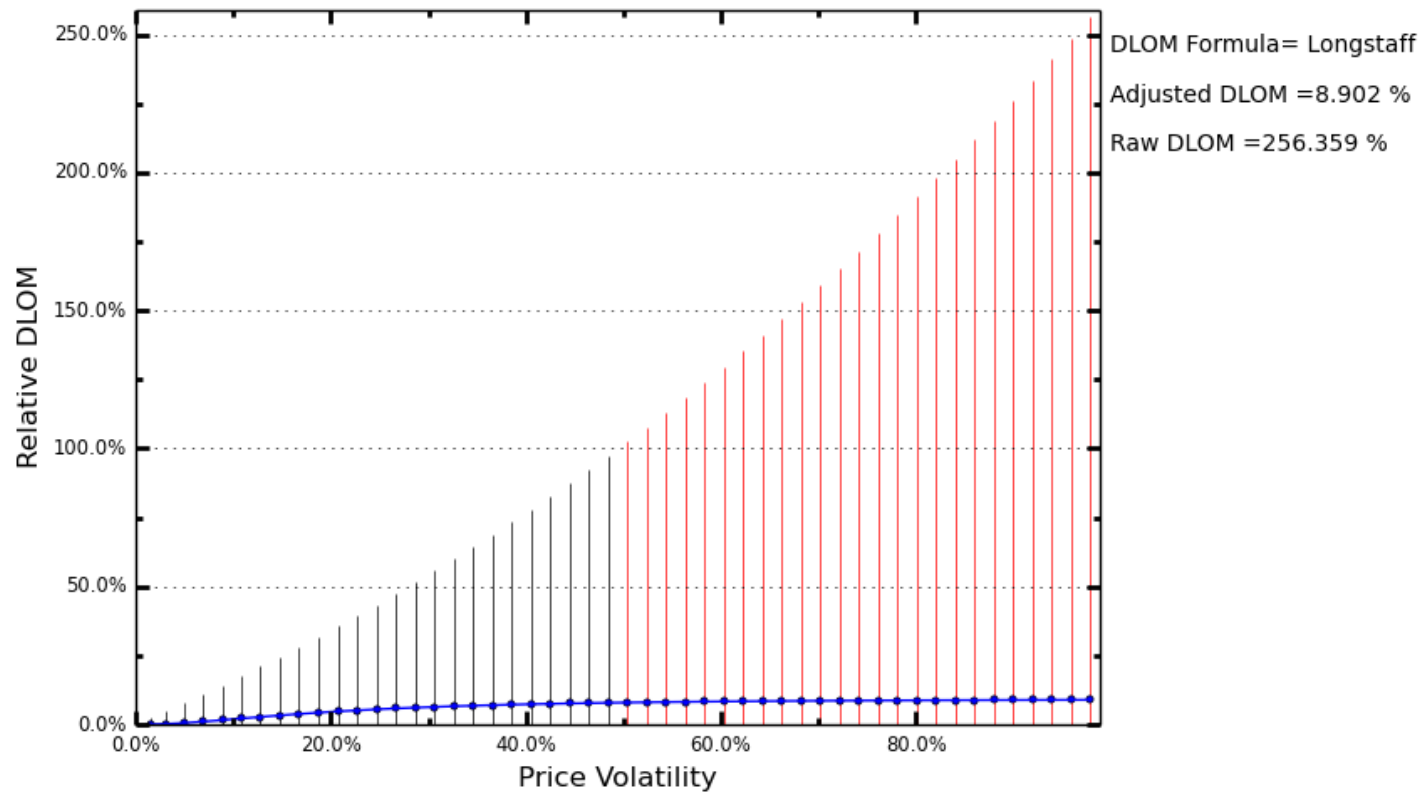




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### Cumulative Probability Adjusted DLOM (Price Volatility)



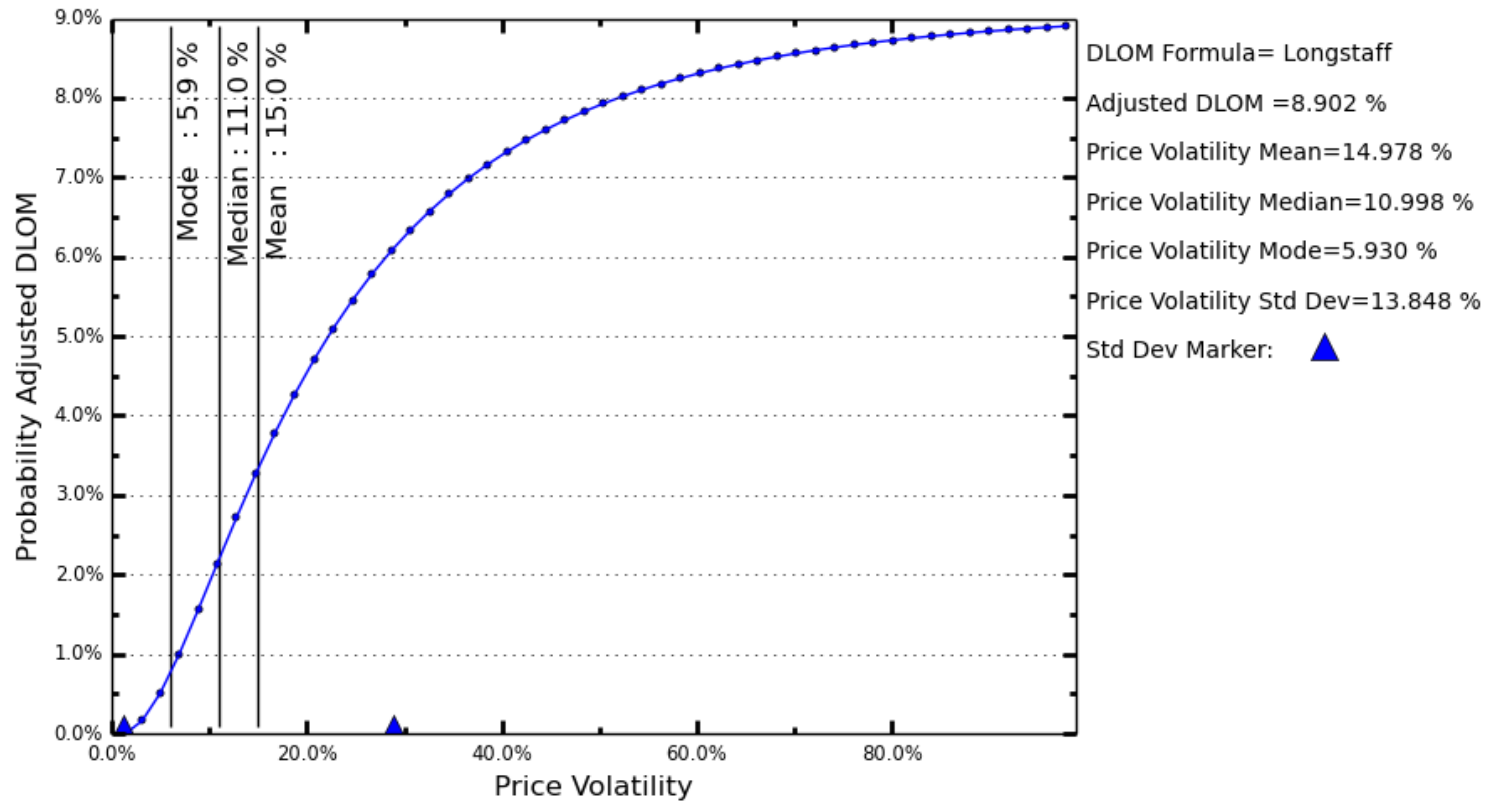




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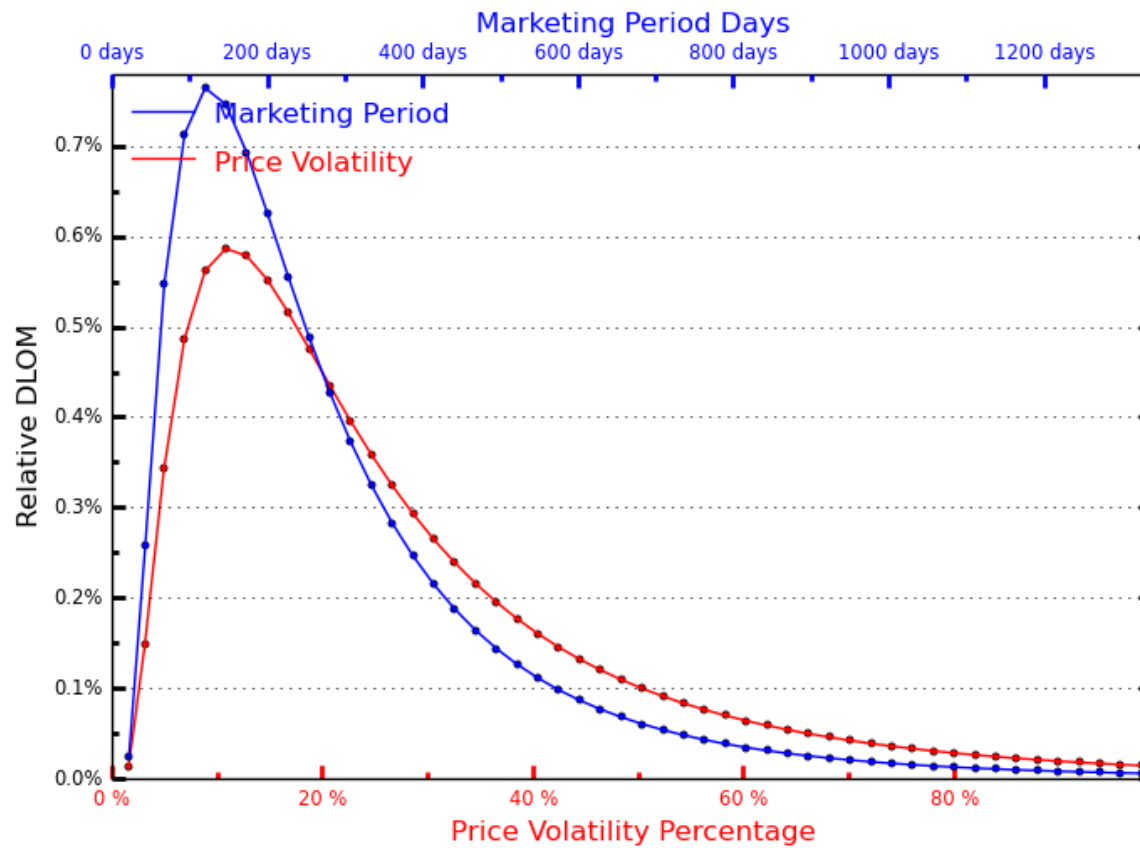
#### Cumulative Probability Adjusted DLOM (Price Volatility)





**DLOM Graphs**

Separate DLOM Distributions of Marketing Period and Price Volatility  
 (Before Combining the Probabilities)





## DLOM Graphs

Distribution of Probability Adjusted DLOM

