

INSTRUMENT	Bound used to control extent of adverse slippage as %	Adverse to client slippage as % of overall adverse slippage											As a % of overall trades			Beneficial to client slippage as % of overall beneficial slippage											
													Adverse to client slippage	No Slippage	Beneficial to client slippage												
		> 10 PIPS	10 - 9 PIPS	9 - 8 PIPS	8 - 7 PIPS	7 - 6 PIPS	6 - 5 PIPS	5 - 4 PIPS	4 - 3 PIPS	3 - 2 PIPS	2 - 1 PIPS	1 - 0 PIPS				0 - 1 PIPS	1 - 2 PIPS	2 - 3 PIPS	3 - 4 PIPS	4 - 5 PIPS	5 - 6 PIPS	6 - 7 PIPS	7 - 8 PIPS	8 - 9 PIPS	9 - 10 PIPS	> 10 PIPS	
AU200/AUD	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.86%	0.00%	17.14%	80.00%	7.71%	85.68%	6.61%	90.00%	6.67%	3.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AUD/CAD	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.33%	0.17%	0.83%	3.30%	95.38%	13.29%	74.36%	12.35%	93.78%	4.97%	1.07%	0.00%	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AUD/CHF	0.08%	0.00%	0.00%	0.14%	0.00%	0.00%	0.00%	0.00%	0.27%	1.09%	95.24%	14.14%	70.46%	15.41%	96.63%	2.62%	0.50%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AUD/JPY	0.21%	0.08%	0.00%	0.08%	0.00%	0.08%	0.23%	0.23%	0.54%	6.06%	90.75%	22.84%	48.35%	28.81%	93.04%	5.17%	0.92%	0.62%	0.06%	0.12%	0.00%	0.00%	0.00%	0.06%	0.00%	0.00%	0.00%
AUD/NZD	0.04%	0.27%	0.00%	0.00%	0.00%	0.00%	0.00%	0.27%	0.00%	0.54%	98.10%	13.57%	72.13%	14.31%	97.42%	1.29%	0.78%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.26%	
AUD/SGD	0.76%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	6.45%	93.55%	11.74%	77.65%	10.61%	89.29%	10.71%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AUD/USD	0.05%	0.05%	0.00%	0.00%	0.11%	0.00%	0.00%	0.00%	0.11%	0.38%	3.22%	96.12%	14.45%	71.51%	14.04%	96.12%	3.15%	0.56%	0.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BCO/USD	0.02%	0.70%	0.28%	0.19%	0.47%	0.60%	1.09%	1.38%	3.36%	7.11%	18.45%	66.37%	12.73%	75.46%	11.81%	65.89%	19.00%	6.58%	3.26%	1.70%	1.19%	0.83%	0.41%	0.30%	0.28%	0.57%	
CAD/CHF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.19%	0.38%	2.28%	97.15%	13.66%	74.13%	12.21%	94.89%	4.26%	0.43%	0.21%	0.00%	0.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CAD/JPY	0.05%	0.00%	0.00%	0.00%	0.00%	0.11%	0.11%	0.22%	1.62%	6.79%	91.06%	21.70%	57.33%	20.97%	91.86%	6.24%	1.23%	0.56%	0.00%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CAD/SGD	1.70%	0.00%	0.00%	0.00%	0.00%	0.00%	2.94%	0.00%	5.88%	2.94%	0.00%	88.24%	19.32%	72.16%	8.52%	93.33%	6.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CH20/CHF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	15.63%	12.50%	28.13%	43.75%	14.22%	73.33%	12.44%	60.71%	32.14%	7.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CHF/JPY	0.07%	0.15%	0.00%	0.00%	0.00%	0.00%	0.31%	0.15%	0.76%	1.83%	79.55%	89.14%	22.09%	52.92%	24.99%	89.46%	7.84%	1.76%	0.41%	0.14%	0.27%	0.00%	0.00%	0.00%	0.00%	0.14%	
CHINAH/HKD	0.19%	0.00%	0.00%	0.00%	0.00%	1.54%	0.00%	1.54%	1.54%	6.15%	29.23%	60.00%	12.15%	77.38%	10.47%	78.57%	12.50%	5.36%	0.00%	3.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CN50/USD	0.00%	0.00%	0.00%	0.00%	2.90%	0.00%	1.45%	1.45%	2.90%	8.70%	17.39%	65.22%	16.51%	71.29%	12.20%	66.67%	11.76%	3.92%	3.92%	3.92%	3.92%	1.96%	0.00%	0.00%	0.00%	3.92%	
CORN/USD	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.74%	98.35%	0.91%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
DE10YB/EUR	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.68%	90.32%	6.29%	89.25%	4.46%	81.82%	13.64%	4.55%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
DE30/EUR	0.74%	1.87%	0.34%	0.42%	0.68%	1.04%	1.57%	2.33%	3.93%	6.47%	15.78%	65.57%	18.53%	66.74%	14.73%	59.00%	17.82%	8.07%	4.36%	2.59%	1.43%	1.24%	0.83%	0.57%	0.48%	3.62%	
ESPIX/EUR	0.52%	3.70%	0.00%	0.00%	3.70%	0.00%	0.00%	3.70%	7.41%	3.70%	25.93%	51.85%	14.06%	67.71%	18.23%	71.43%	8.57%	2.86%	11.43%	2.86%	0.00%	2.86%	0.00%	0.00%	0.00%	0.00%	
EU50/EUR	0.04%	1.43%	0.00%	0.48%	0.00%	0.00%	0.48%	0.95%	1.43%	4.76%	11.43%	79.05%	7.40%	84.85%	7.75%	82.73%	13.18%	1.82%	0.91%	0.45%	0.91%	0.00%	0.00%	0.00%	0.00%	0.00%	
EUR/AUD	0.02%	0.20%	0.00%	0.20%	0.10%	0.00%	0.29%	0.59%	1.96%	2.45%	10.67%	83.56%	22.34%	49.47%	28.18%	88.74%	7.76%	1.71%	0.78%	0.62%	0.08%	0.00%	0.08%	0.00%	0.00%	0.23%	
EUR/CAD	0.06%	0.56%	0.09%	0.00%	0.00%	0.00%	0.09%	0.28%	1.03%	1.12%	5.87%	90.96%	20.99%	48.62%	30.39%	94.79%	4.70%	0.39%	0.00%	0.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
EUR/CHF	0.02%	0.00%	0.45%	0.00%	0.00%	0.11%	0.00%	0.11%	0.00%	0.89%	2.57%	95.86%	17.80%	64.07%	18.14%	96.16%	3.29%	0.33%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
EUR/DKK	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.39%	96.61%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
EUR/GBP	0.99%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.58%	98.42%	13.55%	74.32%	12.13%	98.50%	1.24%	0.18%	0.00%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
EUR/JPY	0.52%	0.08%	0.00%	0.03%	0.08%	0.00%	0.05%	0.21%	0.37%	1.26%	7.07%	90.84%	26.67%	40.55%	32.79%	92.64%	5.45%	1.13%	0.44%	0.13%	0.04%	0.07%	0.04%	0.04%	0.00%	0.02%	
EUR/NOK	0.31%	9.56%	2.21%	2.57%	3.68%	4.41%	3.68%	6.99%	9.93%	10.29%	16.18%	30.51%	28.22%	42.43%	29.36%	34.63%	17.67%	12.72%	4.95%	3.89%	5.30%	2.47%	3.89%	1.77%	2.12%	10.60%	
EUR/NZD	0.10%	0.27%	0.00%	0.00%	0.27%	0.55%	1.09%	1.64%	2.19%	12.57%	81.15%	18.05%	61.93%	20.02%	79.31%	14.53%	2.46%	1.23%	0.74%	0.00%	0.74%	0.00%	0.00%	0.00%	0.00%	0.25%	
EUR/PLN	0.11%	1.92%	0.00%	0.00%	1.92%	1.92%	3.85%	7.69%	13.46%	1.92%	65.38%	5.59%	87.54%	6.87%	57.81%	18.75%	9.38%	6.25%	0.00%	1.56%	1.56%	1.56%	1.56%	1.56%	1.56%	1.56%	
EUR/SEK	0.00%	10.53%	0.00%	0.00%	0.00%	5.26%	8.77%	8.77%	10.53%	17.54%	38.60%	20.73%	7.73%	22.55%	43.55%	22.58%	4.84%	6.45%	0.00%	6.45%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
EUR/SGD	0.74%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.17%	95.83%	17.84%	66.91%	15.24%	92.68%	4.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.44%	
EUR/USD	0.35%	0.04%	0.00%	0.00%	0.00%	0.01%	0.02%	0.07%	0.19%	0.68%	4.08%	94.91%	20.68%	59.12%	20.19%	94.76%	4.16%	0.68%	0.23%	0.06%	0.05%	0.02%	0.01%	0.00%	0.00%	0.03%	
FR40/EUR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.68%	2.04%	4.76%	14.97%	77.55%	11.35%	75.52%	13.13%	79.41%	12.94%	4.71%	0.59%	1.18%	0.59%	0.59%	0.00%	0.00%	0.00%	0.00%	
GBP/AUD	0.20%	0.11%	0.00%	0.00%	0.11%	0.33%	0.43%	0.76%	0.22%	2.49%	10.83%	84.72%	23.36%	52.56%	24.09%	83.82%	12.29%	3.15%	0.32%	0.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.21%	
GBP/CAD	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.17%	0.33%	0.00%	0.66%	5.32%	93.52%	17.55%	53.73%	28.72%	94.62%	4.37%	0.81%	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
GBP/CHF	0.06%	0.11%	0.00%	0.00%	0.00%	0.00%	0.21%	0.11%	0.21%	0.53%	3.19%	95.64%	18.51%	63.93%	17.56%	95.18%	3.92%	0.45%	0.22%	0.00%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	
GBP/JPY	0.07%	0.12%	0.02%	0.02%	0.02%	0.07%	0.21%	0.31%	0.43%	1.75%	8.58%	88.48%	28.03%	44.96%	27.01%	89.16%	8.24%	1.65%	0.39%	0.29%	0.05%	0.04%	0.02%	0.02%	0.00%	0.14%	
GBP/NZD	0.07%	0.20%	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%	1.39%	3.97%	13.89%	80.36%	17.16%	64.49%	18.35%	78.66%	16.33%	3.53%	0.93%	0.56%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
GBP/PLN	0.00%	0.96%	1.44%	0.48%	0.96%	0.48%	2.39%	8.13%	6.70%	14.35%	25.36%	38.76%	1														

ZAR/JPY	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.35%	97.65%	4.27%	91.75%	3.97%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
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INSTRUMENT	Bound* used to control extent of adverse slippage as % of overall adverse slippage	Adverse to client slippage as % of overall adverse slippage											As a % of overall trades			Beneficial to client slippage as % of overall beneficial slippage												
		> 100 PIPS	100 - 90 PIPS	90 - 80 PIPS	80 - 70 PIPS	70 - 60 PIPS	60 - 50 PIPS	50 - 40 PIPS	40 - 30 PIPS	30 - 20 PIPS	20 - 10 PIPS	10 - 0 PIPS	Adverse to client slippage	No Slippage	Beneficial to client slippage	0 - 10 PIPS	10 - 20 PIPS	20 - 30 PIPS	30 - 40 PIPS	40 - 50 PIPS	50 - 60 PIPS	60 - 70 PIPS	70 - 80 PIPS	80 - 90 PIPS	90 - 100 PIPS	> 100 PIPS		
AUD/HKD	0.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	18.31%	64.79%	16.90%	94.44%	5.56%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CAD/HKD	0.45%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.70%	91.30%	10.31%	75.34%	14.35%	96.88%	3.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CHF/HKD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.66%	5.30%	94.04%	25.95%	48.97%	25.09%	93.84%	5.48%	0.68%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CHF/ZAR	0.13%	2.01%	0.00%	1.34%	0.00%	0.67%	0.67%	0.67%	2.68%	7.38%	22.82%	61.74%	18.73%	60.76%	20.51%	63.58%	19.75%	7.41%	1.23%	2.47%	1.23%	2.47%	0.00%	0.62%	0.00%	1.23%		
EUR/CZK	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.26%	94.74%	7.54%	84.92%	7.54%	78.95%	10.53%	10.53%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
EUR/HKD	0.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.89%	98.11%	21.54%	54.88%	23.58%	98.28%	0.00%	0.00%	0.00%	0.00%	1.72%	0.00%	0.00%	0.00%	0.00%	0.00%		
EUR/HUF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.17%	93.48%	14.89%	73.46%	11.65%	97.22%	2.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
EUR/TRY	0.00%	15.79%	5.26%	10.53%	0.00%	0.00%	5.26%	0.00%	15.79%	5.26%	26.32%	38.78%	26.53%	34.69%	38.78%	23.53%	17.65%	17.65%	11.76%	11.76%	5.88%	5.88%	0.00%	0.00%	0.00%	5.88%		
EUR/ZAR	0.00%	1.50%	0.21%	0.00%	0.21%	0.21%	0.64%	0.21%	1.50%	6.00%	14.78%	74.73%	35.19%	33.31%	31.50%	76.08%	14.35%	4.78%	2.39%	1.20%	0.72%	0.00%	0.00%	0.24%	0.00%	0.24%		
GBP/HKD	0.99%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.94%	97.06%	16.75%	64.04%	19.21%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
GBP/ZAR	0.00%	1.89%	1.89%	0.00%	0.00%	1.89%	3.77%	0.00%	0.00%	5.66%	15.09%	69.81%	21.99%	54.36%	23.65%	64.91%	19.30%	5.26%	7.02%	0.00%	0.00%	1.75%	1.75%	0.00%	0.00%	0.00%		
HK33/HKD	0.68%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.29%	0.57%	99.14%	26.62%	47.83%	25.55%	99.70%	0.00%	0.30%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
NZD/HKD	0.96%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.23%	0.00%	96.77%	14.83%	72.25%	12.92%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
USD000/USD	0.02%	3.10%	0.47%	1.20%	1.30%	2.07%	2.33%	4.50%	7.20%	11.04%	22.37%	44.41%	26.30%	48.97%	24.72%	47.85%	22.67%	10.46%	5.46%	3.90%	2.77%	1.49%	1.24%	0.89%	0.74%	2.52%		
USD/CZK	0.00%	0.00%	0.00%	1.56%	0.00%	1.56%	0.00%	1.56%	0.00%	17.19%	76.56%	16.75%	65.97%	17.28%	81.82%	12.12%	4.55%	0.00%	0.00%	1.52%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
USD/HKD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	1.56%	97.27%	1.17%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
USD/HUF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.90%	0.00%	99.10%	14.86%	66.53%	18.61%	99.28%	0.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
USD/MXN	0.04%	0.34%	0.00%	0.17%	0.17%	0.00%	0.00%	1.03%	2.41%	5.34%	9.47%	81.07%	24.60%	51.52%	23.88%	86.17%	7.98%	2.66%	1.42%	1.24%	0.00%	0.18%	0.00%	0.00%	0.00%	0.35%		
USD/THB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	9.41%	84.12%	6.47%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
USD/TRY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	5.56%	88.89%	5.56%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
USD/ZAR	0.07%	0.27%	0.27%	0.27%	0.00%	0.54%	1.08%	0.54%	2.98%	7.05%	86.99%	24.24%	53.35%	22.40%	82.40%	11.73%	3.81%	1.47%	0.29%	0.00%	0.29%	0.00%	0.00%	0.00%	0.00%	0.00%		
XAG/AUD	0.00%	5.76%	0.72%	0.72%	7.91%	3.60%	3.60%	3.60%	14.39%	3.60%	25.90%	30.22%	14.74%	70.52%	14.74%	33.57%	22.86%	6.43%	5.00%	4.29%	2.86%	5.71%	7.14%	0.00%	3.57%	8.57%		
XAG/CAD	0.00%	3.75%	1.25%	1.25%	5.00%	6.25%	3.75%	3.75%	8.75%	5.00%	10.00%	51.25%	12.80%	73.28%	13.92%	40.23%	18.39%	9.20%	2.30%	5.75%	6.90%	9.20%	1.15%	0.00%	2.30%	4.60%		
XAG/CHF	0.00%	0.00%	0.00%	0.93%	0.93%	0.00%	0.93%	3.74%	7.48%	14.02%	18.69%	53.27%	13.84%	70.50%	15.65%	55.37%	19.01%	5.79%	7.44%	7.44%	1.65%	0.00%	0.00%	0.83%	0.00%	2.48%		
XAG/EUR	0.00%	4.66%	1.08%	0.36%	1.43%	0.72%	2.51%	7.89%	7.89%	10.04%	12.90%	50.54%	20.42%	55.93%	23.65%	46.13%	15.17%	9.29%	8.36%	9.60%	3.41%	3.72%	0.93%	1.24%	0.31%	1.86%		
XAG/GBP	0.57%	0.66%	1.00%	1.33%	1.33%	0.66%	2.99%	1.66%	9.97%	8.64%	16.61%	55.15%	21.41%	56.12%	22.48%	62.97%	10.44%	9.81%	8.23%	2.85%	1.90%	1.27%	0.95%	0.32%	0.00%	1.27%		
XAG/HKD	0.00%	61.45%	0.60%	1.81%	19.88%	1.81%	0.60%	0.60%	1.81%	0.60%	4.82%	6.02%	13.98%	69.33%	16.68%	6.06%	4.55%	0.51%	2.02%	0.51%	1.01%	25.76%	0.00%	0.51%	59.09%			
XAG/JPY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	14.33%	71.78%	13.89%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
XAG/NZD	0.00%	8.16%	4.08%	6.12%	4.08%	0.00%	8.16%	4.08%	14.29%	4.08%	18.37%	28.57%	18.49%	60.00%	21.51%	21.05%	15.79%	5.26%	8.77%	3.51%	5.26%	8.77%	7.02%	1.75%	14.04%			
XAG/SGD	0.00%	2.46%	0.82%	0.00%	0.82%	8.20%	3.28%	2.46%	7.38%	5.74%	23.77%	45.08%	16.58%	67.12%	16.30%	40.00%	19.17%	7.50%	2.50%	6.67%	3.33%	11.67%	3.33%	0.83%	1.67%	3.33%		
XAG/USD	0.09%	5.02%	2.98%	1.27%	1.99%	2.21%	3.84%	20.54%	9.88%	11.87%	15.41%	24.99%	15.82%	68.04%	16.14%	24.86%	15.68%	13.16%	9.34%	21.50%	3.38%	2.33%	1.49%	1.33%	2.84%	4.09%		
XAU/AUD	0.00%	1.82%	0.00%	0.73%	1.45%	1.09%	2.91%	2.91%	6.55%	11.64%	23.64%	47.27%	24.21%	53.61%	22.18%	54.76%	23.41%	7.94%	4.76%	2.78%	0.40%	1.59%	0.40%	1.19%	0.40%	2.38%		
XAU/CAD	0.00%	1.81%	0.60%	0.00%	1.20%	0.60%	1.81%	1.81%	6.02%	11.45%	22.29%	52.41%	23.88%	55.97%	20.14%	55.00%	21.43%	10.71%	0.71%	5.71%	2.86%	0.00%	0.71%	0.00%	0.71%	2.14%		
XAU/CHF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.33%	6.64%	17.26%	74.78%	26.87%	53.03%	20.10%	71.01%	13.61%	7.69%	4.14%	0.59%	1.18%	0.00%	1.78%	0.00%	0.00%	0.00%		
XAU/EUR	0.00%	0.80%	0.00%	0.40%	0.20%	0.80%	1.39%	4.57%	8.55%	19.09%	64.02%	28.81%	41.24%	29.95%	69.41%	17.21%	6.88%	2.68%	1.53%	0.76%	0.76%	0.00%	0.38%	0.19%	0.19%			
XAU/GBP	0.00%	0.00%	0.00%	0.36%	0.36%	0.18%	0.00%	0.91%	1.82%	4.19%	14.57%	77.60%	28.94%	42.49%	28.57%	78.41%	12.36%	5.90%	1.29%	1.29%	0.37%	0.00%	0.18%	0.00%	0.18%	0.00%		
XAU/HKD	0.00%	32.24%	3.29%	1.97%	5.26%	5.26%	7.24%	7.24%	9.87%	5.26%	9.21%	13.16%	21.90%	56.92%	21.18%	12.93%	13.61%	5.44%	11.56%	3.40%	4.76%	7.48%	8.84%	1.36%	3.40%	27.21%		
XAU/JPY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.43%	2.13%	97.45%	31.25%	37.43%	31.32%	98.30%	1.49%	0.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
XAU/NZD	0.00%	1.67%	1.67%	0.00%	0.00%	1.67%	1.67%	5.00%	8.33%	18.33%	21.67%	38.33%	31.91%	34.04%	34.04%	25.00%	26.56%	17.19%	7.81%	7.81%	3.13%	3.13%	4.69%	4.69%	0.00%	1.99%		
XAU/SGD	0.00%	1.49%	0.00%	0.00%	2.24%	0.75%	2.99%	1.49%	2.99%	8.21%	28.36%	51.49%	22.33%	52.50%	25.17%	60.26%	21.85%	7.95%	2.65%	2.65%	0.66%	1.32%	0.66%	0.00%	0.00%	0.00%		
XAU/USD	0.00%	0.64%	0.17%	0.28%	0.56%	0.70%	1.20%	2.27%	4.33%	8.42%	19.24%	62.19%	27.70%	45.13%	27.17%	62.95%	19.11%	8.31%	4.02%	2.22%	1.22%	0.76%	0.39%	0.26%	0.19%	0.57%		
XAU/XAG	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	21.64%	53.20%	25.16%	99.64%	0.36%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
XPD/USD	0.09%	0.00%	8.00%	0.00%	0.00%	0.00%	0.00%	84.00%	0.00%	0.00%	0.00%	8.00%	2.28%	95.53%	2.19%	8.33%	0.00%	0.00%	0.00%	91.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
XPT/USD	0.00%	1.48%	1.48%	0.00%	0.00%	0.74%	0.74%	2.96%	2.96%																			