

PERIOD: October - December 2021																											
INSTRUMENT	Round-trip 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											
		> 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	Adverse to client slippage	No Slippage	Beneficial to client slippage	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	0.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.63%	7.89%	89.47%	5.72%	89.53%	4.74%	92.06%	3.17%	0.00%	1.59%	1.59%	0.00%	0.00%	0.00%	0.00%	0.00%	1.59%	0.00%
AUD/CAD	0.01%	0.14%	0.00%	0.00%	0.00%	0.22%	0.14%	0.07%	0.07%	0.58%	1.95%	96.83%	14.69%	72.33%	12.98%	99.27%	0.57%	0.08%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%	0.00%	0.00%	
AUD/CHF	0.16%	0.00%	0.13%	0.00%	0.00%	0.13%	0.00%	0.00%	0.00%	0.01%	0.65%	96.18%	12.56%	77.34%	10.11%	99.19%	0.56%	0.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
AUD/JPY	0.12%	0.47%	0.00%	0.04%	0.07%	0.04%	0.18%	0.07%	0.04%	0.18%	2.57%	96.34%	17.48%	64.51%	18.01%	97.78%	1.55%	0.32%	0.04%	0.18%	0.04%	0.04%	0.04%	0.00%	0.00%	0.04%	
AUD/NZD	0.16%	0.89%	0.00%	0.15%	0.00%	0.15%	0.30%	0.45%	0.15%	0.74%	2.38%	94.79%	13.60%	73.03%	13.38%	97.58%	1.97%	0.30%	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
AUD/SGD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.13%	0.00%	0.00%	9.57%	77.60%	12.83%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
AUD/USD	0.08%	0.11%	0.11%	0.05%	0.00%	0.27%	0.11%	0.06%	0.27%	3.66%	95.19%	97.87%	7.39%	84.80%	7.80%	98.24%	1.04%	0.41%	0.10%	0.16%	0.00%	0.00%	0.05%	0.00%	0.00%		
BCO/USD	0.20%	0.29%	0.04%	0.10%	0.19%	0.30%	0.37%	0.94%	2.33%	4.63%	22.43%	68.38%	20.88%	58.44%	20.68%	69.24%	21.74%	4.48%	2.30%	0.98%	0.35%	0.30%	0.12%	0.09%	0.08%	0.33%	
CAD/CHF	0.01%	0.10%	0.00%	0.00%	0.00%	0.10%	0.00%	0.00%	0.10%	1.14%	1.35%	97.20%	11.73%	78.65%	9.62%	98.61%	0.76%	0.51%	0.00%	0.00%	0.13%	0.00%	0.00%	0.00%	0.00%		
CAD/JPY	0.04%	0.04%	0.02%	0.00%	0.02%	0.04%	0.04%	0.09%	0.11%	0.25%	2.55%	96.87%	20.88%	58.27%	20.85%	97.53%	2.01%	0.25%	0.04%	0.02%	0.04%	0.02%	0.00%	0.02%	0.02%		
CAD/SGD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.64%	0.00%	0.00%	94.55%	16.03%	74.64%	96.88%	3.13%	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%	0.00%	0.00%	0.00%	100.00%	28.57%	71.43%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
CHF/JPY	0.02%	2.32%	0.00%	0.00%	0.08%	0.08%	0.32%	0.16%	0.72%	1.44%	2.88%	92.01%	14.75%	70.32%	14.93%	94.32%	3.87%	0.55%	0.47%	0.08%	0.08%	0.32%	0.08%	0.00%	0.16%		
CNS0/USD	0.34%	0.26%	0.26%	0.52%	0.26%	0.78%	1.30%	3.90%	6.49%	20.78%	64.42%	21.97%	12.97%	62.84%	15.13%	66.17%	22.56%	6.39%	3.01%	1.13%	0.75%	0.00%	0.00%	0.00%	0.00%		
CORN/USD	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.32%	98.68%	8.51%	80.01%	11.48%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
DE10Y/EUR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.29%	3.86%	28.94%	65.92%	9.05%	82.77%	8.18%	67.97%	26.69%	3.91%	0.36%	0.71%	0.00%	0.00%	0.00%	0.00%	0.36%		
DE30/EUR	0.77%	0.07%	0.02%	0.04%	0.06%	0.12%	0.20%	0.60%	1.20%	3.30%	12.31%	82.09%	18.26%	64.50%	17.25%	80.28%	12.96%	3.88%	1.33%	0.67%	0.39%	0.17%	0.10%	0.06%	0.11%		
E500/EUR	0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	83.18%	2.67%	95.84%	15.50%	85.00%	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
EUR/AUD	2.10%	0.83%	0.23%	0.30%	0.08%	0.38%	0.30%	0.23%	0.15%	0.91%	5.31%	91.28%	10.17%	79.41%	10.42%	92.83%	5.77%	0.59%	0.00%	0.07%	0.22%	0.07%	0.15%	0.00%	0.30%		
EUR/CAD	0.17%	0.50%	0.00%	0.03%	0.16%	0.06%	0.19%	0.09%	0.38%	0.78%	2.54%	95.26%	19.76%	60.29%	19.95%	96.58%	2.39%	0.34%	0.09%	0.09%	0.28%	0.00%	0.03%	0.00%	0.19%		
EUR/CHF	0.11%	0.13%	0.00%	0.00%	0.00%	0.00%	0.13%	0.00%	0.00%	1.87%	97.86%	9.27%	82.08%	8.64%	98.28%	1.01%	0.14%	0.43%	0.00%	0.00%	0.14%	0.00%	0.00%	0.00%	0.00%		
EUR/DKK	0.00%	0.00%	0.00%	0.00%	63.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	36.36%	17.46%	66.67%	15.87%	100.00%	0.00%	0.00%	80.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.00%		
EUR/GBP	0.22%	0.39%	0.00%	0.00%	0.09%	0.09%	0.00%	0.09%	0.18%	0.04%	1.62%	97.50%	10.68%	80.30%	9.02%	99.01%	0.78%	0.00%	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%	0.10%		
EUR/JPY	0.19%	0.15%	0.08%	0.15%	0.15%	0.00%	0.08%	0.30%	0.30%	0.76%	5.68%	92.35%	7.51%	84.99%	7.50%	94.76%	4.17%	0.61%	0.15%	0.00%	0.15%	0.00%	0.00%	0.08%	0.08%		
EUR/NOK	5.09%	5.23%	0.65%	0.00%	1.31%	1.31%	4.58%	3.27%	5.88%	10.46%	22.88%	44.44%	20.48%	63.05%	16.47%	40.65%	23.58%	15.45%	5.69%	4.07%	1.63%	1.63%	0.81%	0.00%	4.88%		
EUR/NZD	0.49%	0.69%	0.09%	0.17%	0.00%	0.09%	0.17%	0.43%	0.17%	0.86%	5.06%	92.28%	18.50%	63.97%	17.52%	94.84%	4.08%	0.36%	0.27%	0.09%	0.09%	0.00%	0.09%	0.00%	1.88%		
EUR/PLN	3.82%	4.31%	0.00%	0.00%	0.00%	1.72%	1.72%	1.72%	0.86%	6.90%	10.34%	72.41%	15.26%	63.82%	20.92%	77.36%	10.06%	2.52%	3.77%	2.52%	1.26%	0.00%	0.63%	0.00%	1.26%		
EUR/SEK	5.69%	6.67%	0.00%	0.00%	1.67%	0.00%	1.67%	3.33%	3.33%	5.00%	18.33%	60.00%	13.67%	72.67%	13.67%	65.00%	16.67%	6.67%	3.33%	3.33%	0.00%	1.67%	0.00%	0.00%	3.33%		
EUR/SGD	1.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.41%	0.00%	0.00%	1.20%	96.39%	16.44%	69.50%	14.06%	95.77%	1.41%	0.00%	1.41%	1.41%	0.00%	0.00%	0.00%	0.00%	0.00%		
EUR/USD	0.74%	0.06%	0.00%	0.01%	0.02%	0.03%	0.02%	0.05%	0.06%	0.27%	1.33%	98.16%	15.95%	68.16%	15.89%	98.57%	1.14%	0.18%	0.04%	0.02%	0.01%	0.03%	0.00%	0.00%	0.01%		
FR40/EUR	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.43%	3.02%	13.79%	82.76%	8.13%	83.56%	8.31%	83.12%	12.66%	2.53%	1.69%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
GBP/AUD	0.03%	1.58%	0.04%	0.08%	0.12%	0.16%	0.28%	0.28%	0.47%	0.75%	4.89%	91.36%	24.96%	53.17%	21.87%	93.02%	4.73%	0.63%	0.54%	0.14%	0.18%	0.00%	0.32%	0.00%	0.45%		
GBP/CAD	0.02%	1.43%	0.13%	0.04%	0.22%	0.35%	0.30%	0.70%	1.30%	3.26%	91.96%	20.88%	20.88%	58.14%	20.88%	94.98%	3.49%	0.70%	0.22%	0.09%	0.04%	0.00%	0.09%	0.00%	0.31%		
GBP/CHF	0.07%	0.78%	0.00%	0.00%	0.00%	0.00%	0.35%	0.07%	0.50%	0.99%	2.90%	94.41%	16.84%	66.87%	16.29%	96.56%	2.34%	0.66%	0.07%	0.07%	0.00%	0.15%	0.00%	0.00%	0.15%		
GBP/JPY	0.07%	0.38%	0.02%	0.06%	0.04%	0.08%	0.15%	0.08%	0.48%	1.23%	6.58%	90.89%	13.72%	73.25%	13.03%	92.92%	5.39%	0.68%	0.22%	0.22%	0.04%	0.09%	0.04%	0.07%	0.26%		
GBP/NZD	0.05%	3.67%	0.06%	0.30%	0.00%	0.00%	0.12%	0.18%	0.78%	1.33%	10.00%	83.55%	15.20%	66.05%	18.74%	93.36%	5.47%	0.44%	0.34%	0.05%	0.00%	0.10%	0.00%	0.00%	0.24%		
GBP/PLN	0.51%	5.13%	0.00%	0.00%	0.85%	0.85%	3.42%	0.85%	5.98%	8.55%	22.22%	52.14%	17.08%	66.13%	16.79%	51.30%	22.61%	6.96%	11.30%	1.74%	4.35%	0.00%	1.74%	0.00%	0.00%		
GBP/SGD	0.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.67%	1.67%	10.00%	81.67%	15.23%	71.32%	13.45%	90.57%	7.55%	1.89%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
GBP/USD	0.06%	0.11%	0.05%	0.00%	0.02%	0.02%	0.05%	0.08%	0.17%	0.32%	2.42%	96.75%	14.92%	71.88%	13.20%	97.48%	2.90%	0.31%	0.09%	0.04%	0.02%	0.01%	0.01%	0.00%	0.04%		
HKD/JPY	0.00%	6.10%	0.00%	1.22%	1.22%	4.88%	13.41%	1.22%	7.32%	23.17%	31.71%	9.76%	17.88%	64.13%	18.04%	24.10%	28.92%	22.89%	10.84%	1.20%	3.61%	2.41%	1.20%	1.20%	1.20%		
IN50/USD	0.00%	0.00%	0.00%	0.00%	0.26%	0.26%	0.00%	0.53%	1.05%	6.05%	15.26%	76.58%	30.45%	42.79%	26.76%	82.63%	10.78%	2.49%	1.80%	0.30%	0.00%	0.00%	0.00%	0.00%	0.00%		
JP225/USD	1.55%	1.66%	2.50%	0.50%	1.66%	1.83%	2.50%	17.14%	4.16%	24.46%	22.96%	20.63%	10.58%	81.01%	8.41%	20.29%	26.78%	21.76%	4.60%	19.25%	1.67%	1.88%	1.88%	0.00%	6.36%		
JP225Y/JPY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	50.00%	0.00%	50.00%	0.00%	0.00%	4.35%	78.26%	17.39%	0.00%	25.00%	12.50%	0.00%	62.50%	0.00%	0.00%	0.00%	0.00%	0.00%		
NAS100/USD	1.11%	0.10%	0.03%	0.05%	0.07%	0.16%	0.29%	0.62%	1.37%	4.20%	14.39%	78.71%	29.47%	40.71%	29.81%	78.78%	14.40%	4.11%	1.52%	0.51%	0.26%	0.15%	0.11%	0.06%	0.07%		
NATGAS/USD	0.08%	0.00%	0.00%	0.02%	0.00%	0.00%	0.02%	0.04%	0.06%	0.13%	1.03%	98.71%	10.93%	77.08%	11.99%	99.20%	0.66%	0.05%	0.05%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%		
NL25/EUR	0.00%	19.37%	2.86%	3.49%	3.49%	4.13%	6.35%	12.38%	17.46%	6.98%	18.10%	5.40%	13.29%	71.31%	15.40%	13.42%	19.18%	10.68%	13.15%	11.51%	7.40%	2.47%	1.64%	3.29%	1.10%	16.16%	
NZD/CAD	0.00%	1.31%	0.00%	0.13%	0.13%	0.26%	0.00%	0.26%	0.52%	0.92%	1.05%	95.42%	15.03%	70.71%	14.26%	97.79%	1.10%	0.55%	0.00%	0.00%	0.14%	0.00%	0.00%	0.00%	0.41%		
NZD/CHF	0.02%	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	0.55%	0.73%	98.35%	12.53%	74.40%	13.08%	99.30%	0.53%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%		
NZD/JPY	0.09%	0.35%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.28%	0.28%	1.68%	97.34%	16.56%	66.83%	16.81%												