

PERIOD: October - December 2021																										
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										
		> 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
GBP/NZD	0.00%	27.27%	0.00%	1.40%	0.00%	0.00%	0.00%	2.10%	1.40%	2.80%	13.99%	51.05%	24.03%	61.34%	14.62%	77.01%	11.49%	1.15%	1.15%	0.00%	0.00%	0.00%	0.00%	1.15%	0.00%	8.05%
GBP/JPY	0.34%	0.855%	0.14%	0.00%	0.14%	0.00%	0.14%	0.28%	0.57%	1.84%	7.94%	88.09%	17.33%	66.89%	15.78%	92.68%	5.45%	0.93%	0.47%	0.16%	0.00%	0.16%	0.00%	0.00%	0.00%	0.16%
CHF/JPY	0.00%	13.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.25%	12.80%	82.00%	8.13%	79.07%	12.80%	85.71%	7.14%	2.38%	0.79%	0.00%	3.17%	0.79%	0.00%	0.00%	0.00%	0.00%
US30/USD	0.00%	0.75%	0.27%	0.80%	1.01%	1.12%	2.19%	4.48%	5.23%	14.63%	47.78%	21.73%	20.40%	80.35%	19.25%	23.32%	49.86%	14.09%	4.87%	3.57%	1.30%	0.91%	0.57%	0.45%	0.00%	1.08%
DE30/EUR	0.97%	0.00%	0.05%	0.11%	0.05%	0.05%	0.27%	0.48%	1.24%	3.50%	14.09%	80.15%	21.58%	58.45%	19.97%	81.70%	13.19%	3.20%	1.16%	0.23%	0.17%	0.12%	0.12%	0.06%	0.06%	0.00%
EUR/USD	0.26%	0.04%	0.04%	0.04%	0.04%	0.18%	0.18%	0.04%	0.14%	0.18%	2.08%	97.06%	16.20%	67.75%	16.05%	98.08%	1.41%	0.29%	0.07%	0.07%	0.04%	0.00%	0.04%	0.00%	0.00%	0.00%
NATGAS/USD	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.76%	3.03%	96.21%	8.97%	80.25%	10.77%	99.68%	0.32%	0.00%	0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NAS100/USD	0.03%	0.36%	0.11%	0.15%	0.30%	0.60%	0.51%	1.66%	2.64%	6.16%	16.93%	70.58%	33.52%	34.97%	31.51%	75.30%	15.47%	5.47%	1.79%	0.64%	0.43%	0.32%	0.11%	0.07%	0.07%	0.34%
BCO/USD	0.00%	0.53%	0.00%	0.00%	0.13%	0.53%	0.53%	0.93%	2.94%	4.14%	25.37%	64.89%	20.09%	60.04%	19.87%	68.56%	20.11%	6.34%	2.16%	1.21%	0.81%	0.13%	0.00%	0.13%	0.27%	0.27%
SPX500/USD	0.27%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	0.24%	1.68%	98.00%	14.05%	70.05%	15.90%	98.37%	1.20%	0.21%	0.07%	0.07%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%
USD/JPY	0.65%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.49%	0.74%	4.17%	94.36%	13.21%	73.13%	13.66%	95.50%	3.79%	0.24%	0.29%	0.00%	0.24%	0.00%	0.00%	0.00%	0.00%	0.00%
SUGAR/USD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	14.29%	14.29%	71.43%	4.27%	90.85%	4.88%	87.50%	12.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
XCU/USD	0.00%	14.29%	6.12%	0.00%	0.00%	4.08%	28.57%	28.57%	6.12%	0.00%	4.08%	8.16%	9.19%	75.61%	15.20%	35.80%	2.47%	1.23%	1.23%	20.99%	22.22%	2.47%	0.00%	1.23%	3.70%	8.64%
USD/CHF	0.39%	1.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.41%	1.41%	8.45%	87.32%	5.58%	88.60%	5.82%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
USD/CAD	0.20%	0.00%	0.07%	0.34%	0.34%	1.34%	0.67%	0.34%	0.34%	1.01%	3.69%	91.28%	10.05%	80.65%	9.31%	94.93%	4.35%	0.36%	0.36%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AUD/CAD	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.20%	97.80%	13.54%	77.83%	8.63%	94.83%	5.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
GBP/USD	0.12%	0.54%	0.00%	0.14%	0.00%	0.14%	0.27%	0.41%	0.95%	0.54%	3.65%	93.38%	11.28%	77.71%	11.02%	95.02%	4.01%	0.28%	0.14%	0.00%	0.00%	0.14%	0.00%	0.00%	0.00%	0.41%
ZAR/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%	1.54%	93.83%	4.63%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CAD/JPY	0.36%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.26%	0.00%	0.26%	2.60%	96.88%	22.86%	56.12%	21.02%	97.74%	2.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BTC/USD	0.00%	17.40%	1.60%	2.60%	2.80%	4.40%	3.40%	4.20%	7.40%	10.40%	18.00%	27.80%	45.33%	11.33%	43.34%	32.01%	16.11%	10.67%	7.95%	3.35%	4.39%	3.97%	2.30%	1.67%	2.51%	15.06%
AUD/USD	1.44%	0.00%	0.53%	0.00%	0.53%	1.05%	0.00%	0.00%	0.00%	0.53%	3.16%	94.21%	4.98%	87.33%	7.68%	96.25%	2.05%	0.34%	0.68%	0.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.34%
GBP/CHF	0.13%	4.96%	0.00%	0.00%	0.83%	0.00%	0.83%	0.00%	0.83%	1.65%	4.13%	86.78%	16.22%	69.57%	14.21%	94.34%	4.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WTICO/USD	0.00%	1.16%	0.13%	0.39%	0.00%	0.51%	0.51%	1.16%	3.21%	4.24%	30.08%	58.61%	18.37%	64.12%	17.52%	59.70%	29.65%	3.77%	3.10%	1.48%	0.40%	0.27%	0.13%	0.27%	0.81%	
EUR/CHF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.03%	96.97%	5.37%	89.02%	5.61%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CORN/USD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	2.23%	91.62%	6.15%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EUR/CAD	0.36%	3.28%	0.00%	0.00%	0.41%	0.41%	0.00%	0.82%	2.87%	6.56%	85.66%	22.18%	22.18%	59.91%	17.91%	95.43%	2.54%	2.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
UK100/GBP	0.20%	0.00%	0.00%	0.00%	0.00%	2.08%	0.00%	0.00%	6.25%	6.25%	85.42%	9.41%	84.31%	6.27%	90.63%	9.38%	6.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EUR/NOK	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	12.50%	12.50%	0.00%	0.00%	75.00%	7.92%	84.16%	7.92%	37.50%	12.50%	0.00%	12.50%	0.00%	25.00%	0.00%	0.00%	12.50%	0.00%	0.00%	0.00%
AUD/NZD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.45%	4.35%	94.20%	13.12%	75.29%	11.60%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EUR/GBP	0.42%	2.91%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.16%	4.07%	91.86%	9.13%	83.07%	7.80%	98.64%	1.36%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
FR40/EUR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.70%	5.41%	8.11%	83.78%	9.16%	84.90%	5.94%	75.00%	20.83%	4.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EUR/JPY	0.07%	0.69%	0.00%	0.69%	0.00%	0.00%	0.34%	0.34%	1.72%	2.75%	93.47%	10.86%	79.51%	9.63%	94.19%	3.10%	1.94%	0.39%	0.00%	0.00%	0.39%	0.00%	0.00%	0.00%	0.00%	0.00%
NZD/USD	0.63%	1.03%	0.00%	0.00%	0.00%	1.03%	1.03%	0.00%	1.03%	0.00%	95.88%	8.67%	81.14%	10.19%	96.49%	3.51%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AUD/CHF	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	9.49%	80.83%	9.68%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EUR/NZD	0.65%	4.46%	0.00%	0.00%	0.89%	0.00%	2.68%	0.89%	2.68%	9.82%	78.57%	18.06%	66.29%	15.65%	90.72%	3.09%	1.03%	2.06%	3.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EUR/AUD	0.14%	4.17%	0.69%	0.69%	0.00%	1.39%	0.00%	0.00%	1.39%	8.33%	83.33%	10.21%	81.77%	8.01%	90.27%	6.19%	0.88%	0.00%	1.77%	0.00%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%
GBP/CAD	0.30%	5.47%	0.39%	0.00%	1.17%	0.39%	1.56%	2.34%	1.56%	6.64%	80.08%	19.10%	64.63%	16.27%	93.12%	4.13%	1.83%	0.46%	0.00%	0.00%	0.00%	0.00%	0.46%	0.00%	0.00%	
NZD/CAD	1.22%	5.56%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.11%	1.11%	92.22%	15.63%	71.01%	13.37%	96.10%	2.60%	1.30%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
USD/SEK	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.14%	14.29%	21.43%	57.14%	18.42%	53.95%	27.63%	71.43%	14.29%	4.76%	4.76%	0.00%	0.00%	4.76%	0.00%	0.00%	0.00%	0.00%	0.00%
GBP/AUD	0.18%	8.17%	0.00%	0.78%	0.00%	1.17%	1.95%	1.56%	0.00%	3.50%	10.12%	72.76%	23.73%	53.46%	22.81%	85.02%	6.88%	1.62%	2.83%	0.81%	0.81%	0.40%	0.81%	0.00%	0.00%	0.81%
SG30/SGD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	1.06%	92.55%	6.38%	83.33%	16.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
USD/SGD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	3.39%	84.75%	11.86%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
USB10Y/USD	0.00%	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	0.00%	100.00%	0.00%	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded	Not Traded
JP225/USD	0.10%	2.41%	4.82%	2.41%	3.61%	3.61%	16.87%	4.82%	25.30%	14.46%	18.07%	8.10%	85.07%	6.83%	22.86%	21.43%	21.43%	2.86%	21.43%	1.43%	1.43%	5.71%	1.43%	0.00%	0.00%	
EU50/EUR	0.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	33.33%	66.67%	1.38%	96.32%	2.30%	80.00%	20.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NZD/JPY	0.80%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.96%	98.04%	10.22%	75.75%	14.03%	95.71%	4.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AUD/JPY	0.18%	2.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.50%	0.00%	4.50%	92.50%	18.25%	65.60%	16.15%	94.92%	1.69%	0.56%	0.00%	2.26%	0.00%	0.00%	0.00%	0.00%	0.56%	0.00%	
CAD/CHF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.56%	2.56%	94.87%	9.63%	79.26													