INSTRUMENT	Bound' used to control extent of adverse	of Adverse to client slippage as % of overall adverse slippage of the state of the									As	a % of overall tr	ades	Beneficial to client slippage as % of overall beneficial slippage												
	of overall adverse	> 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	0.13%	2.42%	0.00%	0.00%	0.00%	0.00%	0.48%	0.48%	1.45%	0.48%	2.90%	91.79%	27.56%	51.00%	21.44%	85.09%	2.48%	1.86%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.56%
AUD/CAD AUD/CHF	0.12%	3.93%	0.43%	0.38%	0.34%	0.77%	0.62%	1.20% 0.76%	1.72%	1.53%	3.21%	85.87% 87.90%	21.66% 22.79%	61.63% 60.13%	16.71% 17.09%	92.24% 91.26%	1.49% 0.92%	0.43%	0.25%	0.19%	0.00%	0.00%	0.00%	0.06%	0.00%	5.34% 7.14%
AUD/JPY	0.32%	2.51%	0.12%	0.09%	0.12%	0.12%	0.32%	0.39%	0.97%	1.69%	6.40%	87.27%	29.44%	44.22%	26.34%	90.54%	4.64%	1.04%	0.39%	0.21%	0.05%	0.05%	0.08%	0.03%	0.00%	2.98%
AUD/NZD AUD/SGD	0.49%	5.62%	0.52%	0.46%	0.57%	1.29%	1.13% 0.68%	1.44%	2.04%	3.09% 6.80%	4.64% 0.68%	79.53%	25.86% 18.31%	57.40% 62.02%	16.74% 19.68%	90.52%	2.31%	0.72%	0.00%	0.08%	0.16%	0.08%	0.00%	0.00%	0.00%	0.63%
AUD/USD	0.04%	1.98%	0.07%	0.10%	0.07%	0.10%	0.22%	0.20%	0.40%	0.59%	1.54%	94.72%	16.71%	61.41%	21.88%	95.65%	1.25%	0.48%	0.33%	0.18%	0.14%	0.13%	0.17%	0.12%	0.08%	1.48%
BCO/USD	0.12%	1.22%	0.07%	0.07%	0.07%	0.11%	0.25%	0.76%	1.84% 2.34%	3.06% 2.07%	26.21% 3.24%	66.35% 86.23%	12.91% 20.12%	40.19% 63.91%	46.90% 15.96%	86.92% 92.01%	10.35% 1.13%	0.95% 0.52%	0.53% 0.17%	0.20%	0.10%	0.09%	0.05%	0.04%	0.04%	0.74% 6.08%
CAD/CHF CAD/JPY	0.15%	2.17%	0.14%	0.00%	0.00%	0.09%	0.48%	0.83%	0.73%	1.58%	7.04%	87.53%	28.57%	49.60%	21.83%	88.29%	6.80%	1.00%	0.17%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%	3.34%
CAD/SGD	0.00%	1.30%	0.00%	1.30%	2.60%	1.30%	0.00%	3.90%	0.00%	3.90%	3.90%	81.82%	17.11%	71.78%	11.11%	98.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.00%	0.00%	0.00%	0.00%	0.00%
CH20/CHF CHF/JPY	0.00%	11.00% 5.14%	1.00% 0.29%	0.00%	0.00%	0.00%	0.00%	0.00%	3.00% 1.75%	1.00%	8.00% 6.60%	76.00% 81.86%	18.12% 28.79%	55.80% 43.75%	26.09% 27.46%	65.97% 82.05%	11.81% 7.02%	1.39% 2.44%	1.39%	0.00%	0.00%	0.00%	0.00%	0.69%	0.00%	18.75% 5.54%
CHINAH/HKD	0.00%	4.66%	0.23%	0.12%	0.23%	0.35%	0.35%	0.70%	0.23%	0.70%	10.49%	81.93%	47.01%	46.14%	6.85%	68.80%	16.00%	4.00%	0.80%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.40%
CN50/USD CORN/USD	0.00%	2.01% 0.79%	0.00%	0.00%	0.31%	0.46%	0.46%	0.31%	1.08% 0.52%	4.18%	8.67% 0.52%	82.51% 96.85%	50.83% 9.38%	39.10% 75.34%	10.07% 15.28%	62.50% 97.26%	12.50%	8.59% 1.13%	4.69% 0.16%	3.13% 0.00%	2.34% 0.00%	0.00%	0.78%	0.00%	1.56%	3.91% 0.00%
DE10YB/EUR	0.15%	4.84%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.61%	8.87%	84.68%	18.40%	68.25%	13.35%	74.44%	8.89%	2.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	14.44%
DE30/EUR	1.09%	1.59%	0.07%	0.05%	0.08%	0.09%	0.20% 2.38%	0.31%	0.80%	1.91% 4.76%	8.37% 14.29%	86.52% 71.43%	27.37% 19.81%	58.07% 64.15%	14.56% 16.04%	80.04% 64.71%	11.41% 8.82%	3.18% 0.00%	1.43%	0.62%	0.43%	0.38%	0.37%	0.12%	0.22% 2.94%	1.80% 17.65%
ESPIX/EUR EU50/EUR	0.00%	2.59%	0.00%	0.00%	0.00%	0.00%	0.68%	0.00%	0.00%	0.14%	8.45%	86.65%	16.70%	67.33%	15.97%	88.46%	7.69%	0.00%	0.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.28%	1.71%
EUR/AUD	0.06%	2.52%	0.16%	0.30%	0.25%	0.18%	0.36%	0.52%	0.57%	1.25%	3.09%	90.81%	23.40%	49.00%	27.60%	95.04%	2.23%	0.44%	0.27%	0.19%	0.15%	0.04%	0.04%	0.04%	0.02%	1.54%
EUR/CAD EUR/CHF	0.15% 0.12%	4.65% 5.67%	0.16% 0.25%	0.27% 0.25%	0.38% 0.25%	0.38%	0.22% 0.42%	1.20% 0.63%	0.99% 1.47%	1.09%	2.52% 3.40%	88.12% 85.64%	24.17% 15.50%	55.54% 56.62%	20.29% 27.88%	83.25% 94.63%	1.30% 1.96%	0.07%	0.07% 0.12%	0.20% 0.12%	0.00%	0.07%	0.00% 0.12%	0.00%	0.00%	15.06% 2.29%
EUR/DKK	5.45%	14.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	14.29%	0.00%	71.43%	12.73%	87.27%	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 EUR/JPY	0.32%	2.92%	0.10%	0.10% 0.07%	0.40%	0.27%	0.40% 0.19%	0.20% 0.37%	1.03%	1.36%	2.58% 6.88%	90.66% 86.63%	14.36% 28.58%	71.05% 36.74%	14.59% 34.68%	96.35% 85.74%	0.69% 7.11%	0.20% 2.17%	0.16% 1.01%	0.10% 0.36%	0.10% 0.15%	0.07%	0.07% 0.11%	0.07% 0.07%	0.03% 0.02%	2.19% 3.19%
EUR/JPY EUR/NOK	0.78%	6.91%	1.20%	1.06%	2.66%	2.66%	3.86%	6.25%	5.98%	1.67%	21.28%	36.44%	28.58%	36.74%	34.68%	44.49%	18.44%	9.82%	6.21%	5.71%	3.41%	2.30%	2.00%	1.20%	1.00%	5.41%
EUR/NZD	0.23%	10.71%	0.14%	0.56%	0.70%	0.90%	1.04%	0.70%	0.97%	2.57%	4.94%	76.77%	25.32%	53.35%	21.34%	84.90%	4.46%	0.99%	0.50%	0.41%	0.08%	0.00%	0.08%	0.00%	0.00%	8.58%
EUR/PLN EUR/SEK	0.40%	9.80%	0.98%	0.00%	3.92% 2.26%	1.96% 3.76%	1.96% 1.50%	2.94% 5.26%	2.94% 8.27%	15.69% 13.53%	18.63% 16.54%	41.18% 31.58%	6.78% 11.86%	63.32% 31.85%	29.90% 56.29%	51.78% 39.14%	21.33% 18.54%	10.22% 11.41%	9.33% 6.18%	2.22% 4.28%	2.67% 3.49%	1.11% 3.01%	0.67% 1.43%	0.00%	0.22% 1.43%	0.44% 9.19%
EUR/SGD	0.87%	2.50%	1.67%	3.33%	0.00%	2.50%	2.50%	1.67%	3.33%	1.67%	4.17%	76.67%	17.49%	58.89%	23.62%	96.30%	1.85%	0.62%	0.00%	0.00%	0.62%	0.00%	0.00%	0.00%	0.00%	0.62%
EUR/USD	0.35%	1.57%	0.04%	0.05%	0.07%	0.06%	0.09%	0.25%	0.33%	0.57%	1.66%	95.29%	14.60% 22.35%	66.58% 59.84%	18.82% 17.81%	94.39% 86.62%	1.83%	0.74%	0.66%	0.34%	0.14%	0.09%	0.09%	0.07%	0.04%	1.61% 6.15%
FR40/EUR GBP/AUD	0.10%	5.83%	0.00%	0.29%	0.14%	0.43%	0.00%	0.29%	1.42%	1.97%	5.17%	81.72%	22.35% 31.45%	59.84% 47.71%	20.84%	88.85%	4.62%	0.72%	0.18%	0.18%	0.00%	0.18%	0.00%	0.18%	0.18%	5.05%
GBP/CAD	0.14%	4.56%	0.35%	0.35%	0.58%	0.35%	0.75%	0.89%	1.11%	1.91%	4.03%	85.11%	28.27%	53.98%	17.76%	89.00%	2.89%	0.56%	0.21%	0.07%	0.07%	0.07%	0.00%	0.00%	0.07%	7.05%
GBP/CHF GBP/JPY	5.48% 0.58%	4.18%	0.30% 0.15%	0.33%	0.60%	0.70%	1.04% 0.35%	1.51% 0.62%	1.74%	1.94% 2.67%	4.12% 9.28%	83.54% 82.73%	25.75% 26.13%	54.23% 39.49%	20.02% 34.38%	91.86% 83.78%	1.76% 9.56%	0.26% 2.74%	0.09%	0.13% 0.51%	0.00%	0.13%	0.04%	0.04%	0.04%	5.64% 1.53%
GBP/NZD	0.06%	7.75%	0.61%	0.33%	0.72%	0.94%	0.89%	1.22%	1.77%	3.04%	8.52%	74.21%	21.53%	46.45%	32.02%	85.41%	7.00%	1.08%	0.45%	0.30%	0.48%	0.07%	0.22%	0.15%	0.26%	4.58%
GBP/PLN	0.35%	8.92%	0.00%	0.64%	0.00%	0.00%	2.55% 0.78%	5.10% 1.56%	7.01%	7.01%	21.66%	47.13% 76.56%	13.75% 16.26%	60.42% 53.49%	25.83% 30.24%	38.98% 94.96%	25.08% 2.10%	10.51%	16.27%	4.41% 0.84%	0.68%	0.00%	0.34%	0.68%	0.68%	2.37%
GBP/SGD GBP/USD	0.13%	2.67%	0.78%	0.78%	0.00%	0.78%	0.78%	0.31%	0.46%	0.59%	2.00%	93.36%	19.04%	59.12%	21.84%	94.96%	1.83%	0.00%	0.00%	0.84%	0.42%	0.00%	0.00%	0.06%	0.00%	2.53%
HKD/JPY	0.21%	29.27%	4.88%	0.81%	7.32%	4.88%	1.63%	6.50%	10.57%	9.76%	11.38%	13.01%	25.89%	37.89%	36.21%	18.60%	10.47%	10.47%	11.63%	7.56%	8.14%	4.65%	6.40%	2.91%	2.33%	16.86%
JP225/USD JP225Y/JPY	0.00% 2.02%	6.49%	6.61%	1.56%	1.20%	1.26%	1.32%	35.12% 24.01%	9.28%	10.64%	14.97% 17.50%	10.04%	23.24% 27.27%	60.52% 57.21%	16.24% 15.52%	6.88%	6.28%	9.64%	7.92% 13.59%	45.09% 36.55%	0.77%	1.03%	1.38%	1.46%	11.10%	8.43% 8.25%
NAS100/USD	0.01%	0.85%	0.09%	0.11%	0.16%	0.25%	0.43%	0.73%	1.62%	3.77%	12.05%	79.96%	32.24%	26.42%	41.34%	83.52%	10.18%	2.92%	1.23%	0.60%	0.37%	0.21%	0.13%	0.10%	0.07%	0.67%
NATGAS/USD NL25/EUR	0.22%	1.54% 26.79%	0.00% 3.57%	0.04%	0.00% 1.79%	0.04% 1.43%	0.04% 12.86%	0.12% 20.00%	0.39% 8.93%	0.83%	1.50% 5.71%	95.50% 7.14%	5.31% 21.28%	77.96% 54.10%	16.73% 24.62%	97.94% 8.64%	0.84% 5.25%	0.38% 7.72%	0.19% 5.86%	0.11% 28.40%	0.05%	0.00%	0.00% 2.16%	0.00%	0.00% 3.70%	0.50%
NZD/CAD	0.81%	5.45%	0.25%	0.33%	0.50%	0.58%	0.99%	1.49%	2.48%	3.71%	5.45%	78.80%	23.89%	61.35%	14.76%	84.51%	2.27%	0.93%	0.80%	0.13%	0.53%	0.27%	0.00%	0.13%	0.00%	10.41%
NZD/CHF	0.13%	4.44%	0.09%	0.09%	0.09%	0.44%	0.53%	0.44%	1.69%	2.84%	3.64%	85.71%	18.99% 25.60%	65.18% 54.33%	15.84% 20.07%	90.32% 87.52%	0.74%	0.21%	0.53%	0.11%	0.11%	0.00%	0.00%	0.00%	0.00%	7.98% 6.48%
NZD/JPY NZD/SGD	1.13%	4.29% 2.25%	0.11%	0.11%	0.11%	0.26%	0.32%	0.69%	2.25%	3.37%	5.61% 4.49%	86.77% 87.64%	12.61%	54.33%	30.74%	90.78%	4.79% 1.38%	0.67%	0.34%	4.15%	1.38%	0.00%	0.07%	0.07%	0.00%	0.46%
NZD/USD	0.24%	3.22%	0.13%	0.13%	0.25%	0.21%	0.38%	0.54%	1.00%	1.42%	2.05%	90.69%	19.12%	64.69%	16.19%	91.12%	1.97%	0.74%	0.30%	0.44%	0.25%	0.10%	0.05%	0.15%	0.10%	4.78%
SG30/SGD SGD/CHF	0.00%	0.00%	0.00%	0.00%	0.00%	0.57%	0.57%	0.57%	0.57%	2.29%	4.00%	91.43% 96.19%	12.53% 14.20%	58.27% 65.65%	29.21% 20.15%	92.89% 98.32%	2.70% 1.34%	1.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.25%	2.45% 0.34%
SGD/JPY	0.06%	2.36%	0.00%	0.00%	0.00%	0.34%	0.34%	0.00%	2.36%	4.71%	9.43%	80.47%	17.31%	45.28%	37.41%	89.25%	7.79%	1.56%	0.47%	0.00%	0.16%	0.47%	0.16%	0.00%	0.00%	0.16%
SOYBN/USD SPX500/USD	0.04%	1.65%	0.33% 0.01%	0.99%	0.33%	0.17%	0.17%	0.66%	0.17%	1.16%	2.15%	92.23% 95.95%	9.05% 21.15%	68.21% 52.10%	22.74% 26.74%	95.92% 96.48%	1.05%	0.79% 0.25%	0.13%	0.13%	0.00%	0.07%	1.38%	0.07%	0.07%	0.39% 1.39%
SUGAR/USD	0.03%	3.89%	0.01%	0.03%	0.69%	0.03%	1.28%	1.97%	2.93%	5.49%	12.59%	69.65%	13.20%	41.64%	45.16%	76.30%	11.60%	4.94%	1.89%	1.28%	0.05%	0.03%	0.02%	0.02%	0.17%	1.67%
TRY/JPY	1.67%	0.00%	0.00%	0.00%	0.00%	0.00%	2.38%	6.55%	1.19%	9.52%	21.43%	58.93%	23.43%	67.36%	9.21%	95.45%	1.52%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.03%
UK100/GBP UK10YB/GBP	0.05%	2.14%	0.00%	0.04%	0.11%	0.11%	0.15% 0.00%	0.18%	0.26%	0.59% 7.14%	2.76% 19.05%	93.66% 50.00%	20.51% 17.00%	64.60% 70.45%	14.88% 12.55%	93.40% 41.94%	3.15% 25.81%	0.56%	0.30%	0.15%	0.15%	0.00%	0.10%	0.00% 3.23%	0.05%	2.13%
US30/USD	0.17%	0.95%	0.12%	0.20%	0.30%	0.48%	0.85%	1.60%	2.65%	6.13%	20.79%	65.93%	35.44%	43.13%	21.43%	57.79%	22.94%	8.34%	4.52%	2.14%	1.13%	0.84%	0.51%	0.30%	0.21%	1.28%
USB02Y/USD USB05Y/USD	0.00%	37.50% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	6.25% 0.00%	6.25% 0.00%	0.00%	0.00%	50.00% 100.00%	20.00% 12.12%	50.00% 78.79%	30.00% 9.09%	29.17% 33.33%	0.00% 66.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	70.83%
USB10Y/USD	0.38%	10.53%	0.00%	0.00%	1.75%	0.00%	0.00%	0.00%	0.00%	1.75%	38.60%	47.37%	21.84%	66.28%	11.88%	45.16%	25.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	29.03%
USB30Y/USD	0.16%	4.59%	0.00%	0.92%	0.92%	1.83%	6.42%	5.50%	11.93%	16.51%	26.61%	24.77%	17.19%	77.29%	5.52%	25.71%	14.29%	17.14%	20.00%	2.86%	2.86%	8.57%	0.00%	0.00%	0.00%	8.57%
USD/CAD USD/CHF	0.11%	2.06% 3.05%	0.08%	0.13% 0.11%	0.20% 0.11%	0.25% 0.21%	0.33% 0.25%	0.23%	0.43%	0.88%	1.91% 2.68%	93.50% 91.49%	20.39% 11.56%	60.58% 56.23%	19.03% 32.21%	92.50% 93.70%	1.21% 1.82%	0.32%	0.35%	0.19%	0.11%	0.05% 0.17%	0.05% 0.12%	0.05% 0.12%	0.00%	5.16% 2.52%
USD/CNH	0.39%	0.16%	0.16%	0.00%	0.65%	0.81%	0.81%	1.61%	2.26%	5.16%	15.32%	73.06%	30.60%	28.58%	40.82%	74.49%	12.94%	5.08%	4.59%	1.09%	0.73%	0.12%	0.36%	0.00%	0.00%	0.60%
USD/DKK USD/JPY	0.08%	3.65% 1.33%	0.00%	0.73%	0.00%	0.73%	0.73%	2.92% 0.51%	1.46%	8.03% 2.36%	16.79% 8.33%	64.96% 85.46%	11.33% 30.58%	30.02% 41.03%	58.64% 28.39%	35.97% 81.85%	7.48% 8.25%	3.10% 2.41%	1.13%	0.00%	0.00%	0.00%	0.28%	0.14%	0.00%	51.90% 5.38%
USD/JPY USD/NOK	0.58%	1.33% 8.55%	1.12%	1.86%	2.60%	4.09%	3.35%	2.60%	8.55%	17.10%	16.73%	33.46%	30.58% 24.17%	41.03% 37.02%	28.39% 38.81%	81.85% 39.35%	18.98%	11.34%	6.94%	4.86%	2.31%	3.94%	2.55%	1.16%	0.07%	7.64%
USD/PLN	0.08%	4.03%	0.22%	0.22%	1.57%	0.67%	0.67%	1.57%	2.91%	5.37%	24.61%	58.17%	12.58%	65.17%	22.26%	57.65%	24.78%	5.06%	4.30%	1.26%	2.65%	0.63%	1.39%	0.13%	0.51%	1.64%
USD/SEK USD/SGD	0.15%	15.45% 2.68%	1.16% 0.22%	1.16% 0.45%	2.49% 0.22%	2.16% 1.12%	2.99% 1.57%	4.32% 1.57%	5.98%	10.80%	19.77% 6.15%	33.72% 78.52%	29.14% 30.19%	27.59% 45.39%	43.27% 24.42%	40.49% 87.69%	22.71% 5.12%	10.63%	6.82% 1.38%	4.70% 0.97%	2.91% 0.55%	1.45% 0.28%	1.57% 0.28%	0.78%	1.34% 0.28%	6.60% 1.38%
WHEAT/USD	0.04%	0.95%	0.00%	0.19%	0.00%	0.09%	0.09%	0.00%	0.09%	0.85%	2.18%	95.54%	5.66%	57.39%	36.95%	96.59%	1.94%	0.64%	0.28%	0.13%	0.06%	0.04%	0.03%	0.01%	0.00%	0.28%
WTICO/USD	0.08%	1.42%	0.13%	0.12%	0.17%	0.27%	0.23%	0.68%	1.88%	3.08%	28.42%	63.60%	20.85%	58.50%	20.65%	63.44%	28.19% 11.70%	2.65%	1.79%	0.82%	0.30%	0.21%	0.08%	0.10%	0.05%	2.37%
XCU/USD	0.04%	22.64%	2.98%	2.73%	0.90%	1.15%	5.34%	23.23%	10.28%	11.95%	10.65%	8.15%	9.59%	49.86%	40.55%	12.53%	11.70%	15.15%	19.16%	19.01%	3.94%	0.84%	1.36%	1.36%	2.40%	12.55%

XPD/USD 0.009	.00%	02.2070	2.3370	1.40%	1.40%	1.63%	1.17%	1.40%	1.40%	1.63%	1.40%	3.96%	14.50%	60.62%	24.88%	2.04%	1.22%	1.77%	1.77%	1.63%	2.04%	2.31%	1.90%	2.17%	0.95%	82.20%
XPT/USD 0.049	.04%	35.93%	17.74%	4.74%	4.13%	5.05%	5.81%	4.43%	6.73%	5.05%	5.50%	4.89%	24.09%	45.97%	29.94%	8.12%	4.18%	6.40%	5.78%	8.12%	5.04%	5.17%	7.63%	5.54%	17.34%	26.69%
ZAR/JPY 0.059	.05%	0.00%	0.00%	0.00%	0.22%	0.00%	0.06%	0.00%	0.00%	0.66%	3.04%	96.02%	15.81%	71.37%	12.82%	99.39%	0.20%	0.14%	0.14%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%

		Adverse to client siippage as % of overall adverse siippage												a % of overall tr	ados		Beneficial to client slippage as % of overall beneficial slippage										
INSTRUMENT	Bound' used to control extent of adverse slippage as % of overall adverse slippage	> 100 PIPS	100 - 90 PIPS	90 - 80 PIPS			60 - 50 PIPS			30 - 20 PIPS	20 - 10 PIPS	10 - 0 PIPS	Aderse to client slippage	No Slippage	Beneficial to client slippage	0 - 10 PIPS	10 - 20 PIPS	20 - 30 PIPS	30 - 40 PIPS		50 - 60 PIPS	60- 70 PIPS	70 - 80 PIPS	80 - 90 PIPS	90 - 100 PIPS	> 100 PIPS	
AUD/HKD	0.36%	0.65%	0.00%	0.00%	0.00%	0.00%	0.65%	0.00%	0.00%	0.65%	0.65%	97.39%	27.37%	43.47%	29.16%	98.16%	0.61%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.23%	
CAD/HKD	0.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.25%	1.25%	1.25%	96.25%	13.68%	53.68%	32.65%	97.91%	0.00%	0.00%	0.52%	0.00%	0.00%	0.00%	0.52%	0.52%	0.00%	0.52%	
CHF/HKD	0.29%	0.72%	0.00%	0.72%	0.72%	1.45%	0.00%	0.72%	0.00%	0.72%	3.62%	91.30%	20.12%	42.13%	37.76%	97.30%	0.77%	0.00%	0.77%	0.77%	0.00%	0.00%	0.00%	0.00%	0.00%	0.39%	
CHF/ZAR	0.00%	5.67%	0.52%	0.00%	0.52%	0.00%	2.06%	1.03%	2.58%	3.09%	14.43%	70.10%	15.65%	59.92%	24.44%	68.65%	17.16%	3.30%	1.32%	1.32%	4.62%	2.31%	0.33%	0.00%	0.00%	0.99%	
EUR/CZK	0.69%	12.88%	1.52%	0.00%	1.52%	0.00%	2.27%	1.52%	3.79%	6.06%	11.36%	59.09%	22.76%	62.07%	15.17%	68.18%	17.05%	7.95%	2.27%	0.00%	1.14%	1.14%	0.00%	0.00%	0.00%	2.27%	
EUR/HKD	0.14%	7.35%	0.00%	0.00%	0.00%	0.00%	0.74%	0.00%	0.00%	3.68%	1.47%	86.76%	18.89%	43.47%	37.64%	98.52%	0.37%	0.74%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.37%	0.00%	
EUR/HUF	0.26%	0.00%	0.68%	0.68%	0.68%	0.00%	0.68%	0.00%	0.00%	1.35%	3.38%	92.57%	9.72%	50.26%	40.01%	97.37%	1.81%	0.00%	0.00%	0.00%	0.16%	0.00%	0.00%	0.00%	0.00%	0.66%	
EUR/TRY	4.34%	22.09%	0.00%	0.00%	1.16%	1.16%	0.00%	2.33%	4.65%	8.14%	19.77%	40.70%	16.96%	45.36%	37.67%	68.59%	14.14%	4.71%	4.19%	1.05%	2.62%	0.52%	0.00%	0.00%	0.52%	3.66%	
EUR/ZAR	0.12%	1.05%	0.00%	0.00%	0.26%	0.26%	0.79%	0.53%	1.05%	3.16%	13.95%	78.95%	22.80%	49.55%	27.65%	77.44%	14.97%	3.25%	1.74%	1.08%	0.43%	0.65%	0.22%	0.00%	0.00%	0.22%	
GBP/HKD	0.32%	8.92%	0.64%	0.00%	0.00%	1.91%	0.64%	1.27%	0.64%	0.64%	3.82%	81.53%	25.28%	43.96%	30.76%	89.53%	0.52%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.95%	
GBP/ZAR	0.13%	5.33%	0.59%	0.00%	0.59%	2.37%	1.18%	1.78%	1.78%	4.73%	21.89%	59.76%	22.09%	48.10%	29.80%	71.49%	14.47%	5.70%	3.95%	1.32%	0.44%	0.44%	0.44%	0.00%	0.00%	1.75%	
HK33/HKD	0.10%	1.58%	0.08%	0.08%	0.17%	0.17%	0.42%	0.50%	0.50%	0.50%	0.58%	95.43%	39.72%	39.72%	20.57%	94.70%	0.32%	0.80%	0.48%	0.16%	0.00%	0.64%	0.00%	0.16%	0.00%	2.73%	
NZD/HKD	0.26%	0.00%	0.00%	0.00%	0.00%	1.69%	0.00%	1.69%	0.00%	0.00%	3.39%	93.22%	15.25%	51.68%	33.07%	97.66%	0.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.56%	
US2000/USD	1.49%	1.49%	0.42%	0.26%	0.51%	0.62%	0.94%	4.06%	3.98%	9.70%	20.08%	57.96%	36.83%	40.68%	22.48%	46.74%	21.51%	11.57%	6.86%	5.71%	1.33%	0.65%	0.89%	0.34%	0.68%	3.72%	
USD/CZK	0.76%	6.28%	0.45%	0.00%	1.35%	0.00%	0.45%	1.35%	0.90%	4.48%	13.45%	71.30%	33.74%	38.88%	27.38%	82.87%	12.15%	3.87%	0.55%	0.00%	0.00%	0.55%	0.00%	0.00%	0.00%	0.00%	
USD/HKD	0.23%	22.85%	0.30%	4.15%	2.08%	2.67%	4.45%	3.56%	4.75%	4.15%	2.97%	48.07%	25.71%	36.00%	38.29%	78.88%	5.98%	3.78%	4.58%	2.39%	2.39%	1.99%	0.00%	0.00%	0.00%	0.00%	
USD/HUF	0.30%	1.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.66%	1.32%	1.32%	95.39%	9.12%	53.81%	37.07%	98.22%	0.97%	0.16%	0.16%	0.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.32%	
USD/MXN	0.03%	11.88%	0.06%	0.23%	0.23%	0.35%	0.63%	0.92%	2.02%	3.98%	12.69%	67.01%	12.09%	18.90%	69.00%	73.05%	17.53%	5.02%	1.84%	0.87%	0.25%	0.24%	0.13%	0.15%	0.10%	0.81%	
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%	25.97%	62.79%	11.24%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
USD/TRY	2.82%	36.21%	0.86%	0.86%	1.72%	2.59%	1.72%	1.72%	2.59%	4.31%	6.03%	41.38%	23.39%	57.86%	18.75%	62.37%	10.75%	5.38%	2.15%	1.08%	2.15%	1.08%	0.00%	1.08%	1.08%	12.90%	
USD/ZAR	0.16%	2.41% 1.32%	0.25% 1.32%	0.13% 3.95%	0.76%	0.89%	1.40% 7.89%	1.02%	2.92%	4.19%	14.34% 26.32%	71.70%	25.11%	36.46%	38.43%	70.56% 27.54%	14.34% 27.54%	5.89% 18.84%	2.49% 5.80%	1.91% 4.35%	1.24% 4.35%	0.25% 1.45%	0.50% 5.80%	0.41%	0.17%	2.24%	
XAG/AUD	0.00%	11.54%	0.00%	3.95%	3.85%	11.54%		10.53% 7.69%	3.85%	11.54%	19.23%	26.92%		57.35%	20.29%	41.67%	27.54%		0.00%	5.56%	2.78%	8.33%	5.56%	0.00%	2.78%	11.11%	
XAG/CAD	0.00%	3.10%					0.00%	1.16%	10.08%			53.49%	23.42% 58.50%	44.14% 24.72%	16.78%		13.51%	0.00%				1.35%	1.35%			16.22%	
XAG/CHF		2.53%	1.16%	0.39%	1.16%	0.78%	0.00% 2.76%	6.90%	5.98%	9.30%	19.38%	45.75%	43.20%			41.89% 51.06%	14.47%	12.16%	8.11% 6.81%	5.41%	0.00% 3.40%		0.85%	0.00%	0.00%	3.40%	
XAG/EUR	0.00%	2.53%	0.69%	0.92%	0.69%	1.38%	1.86%	3.31%	8.68%	11.98%	15.50%	53.93%	19.34%	33.47% 23.50%	23.34% 57.15%	52.24%	22.24%	11.06%	6.29%	2.17%	1.54%	0.85%	0.85%	1.70% 0.14%	0.43%	2.03%	
XAG/GBP XAG/HKD	0.00%	56.25%	0.00%	3.75%	16.25%	2.50%	1.25%	3.75%	2.50%	2.50%	2.50%	8.75%	19.46%	61.07%	19.46%	7.50%	3.75%	1.25%	2.50%	5.00%	1.25%	1.25%	13.75%	0.00%	2.50%	61.25%	
XAG/JPY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.55%	1.09%	0.00%	98.36%	24.97%	46.11%	28.92%	98.58%	0.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.94%	
XAG/JPY XAG/NZD	0.00%	9.03%	1.29%	3.23%	2.58%	7.10%	6.45%	12.26%	10.32%	12.26%	15.48%	20.00%	25.45%	43.84%	30.71%	22.46%	25.67%	7.49%	12.83%	8.56%	4.81%	3.74%	0.53%	0.53%	2.14%	11.23%	
XAG/SGD	0.00%	4.26%	0.00%	1.06%	2.13%	5.32%	10.64%	6.38%	5.32%	10.64%	21.28%	32.98%	10.83%	16.82%	72.35%	38.69%	22.61%	11.15%	8.60%	5.89%	4.46%	2.55%	0.64%	0.80%	0.64%	3.98%	
XAG/USD	0.36%	5.99%	1.26%	0.65%	1.79%	3.31%	2.99%	10.69%	12.04%	8.80%	29.10%	23.38%	25.18%	49.87%	24.95%	20.56%	29.70%	9.55%	14.07%	10.97%	2.86%	2.47%	1.70%	0.63%	1.41%	6.07%	
XAU/AUD	0.00%	1.60%	0.00%	0.53%	0.00%	0.53%	1.60%	1.60%	2.14%	6.42%	18.72%	66.84%	32.64%	39.79%	27.57%	67.09%	18.99%	5.70%	4.43%	0.00%	0.63%	0.00%	1.27%	0.00%	0.00%	1.90%	
XAU/CAD	0.00%	2.74%	0.00%	0.00%	2.74%	0.00%	1.37%	1.37%	2.74%	13,70%	13.70%	61.64%	37.63%	31.44%	30.93%	80.00%	15.00%	1.67%	1.67%	0.00%	1.67%	0.00%	0.00%	0.00%	0.00%	0.00%	
XAU/CHF	0.00%	2.97%	0.00%	0.00%	0.50%	0.00%	0.99%	0.99%	0.00%	3.96%	5.94%	84.65%	62.15%	16.00%	21.85%	73.24%	11.27%	4.23%	1.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.86%	
XAU/EUR	0.78%	8.34%	0.00%	0.00%	0.27%	0.41%	0.27%	1.23%	1.23%	2.87%	8.34%	77.02%	52.14%	17.90%	29.96%	67.38%	11.19%	2.62%	1.90%	0.48%	0.48%	0.00%	0.00%	0.00%	0.24%	15.71%	
XAU/GBP	0.04%	0.55%	0.09%	0.00%	0.09%	0.09%	0.30%	0.26%	0.81%	2.00%	8.26%	87.57%	42.45%	20.74%	36.81%	84.89%	8.88%	2.01%	0.54%	0.49%	0.20%	0.10%	0.05%	0.05%	0.10%	2.70%	
XAU/HKD	2.00%	4.55%	0.00%	0.00%	9.09%	9.09%	4.55%	13.64%	4.55%	22.73%	9.09%	22.73%	22.00%	52.00%	26.00%	15.38%	15.38%	7.69%	11.54%	0.00%	0.00%	15.38%	11.54%	3.85%	0.00%	19.23%	
XAU/JPY	0.00%	1.08%	0.00%	0.22%	0.00%	0.00%	0.00%	0.22%	0.00%	0.65%	0.43%	97.42%	34.88%	34.96%	30.16%	98.26%	0.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.00%	
XAU/NZD	0.00%	6.00%	0.00%	0.00%	0.00%	0.00%	2.00%	4.00%	14.00%	6.00%	16.00%	52.00%	32.68%	34.64%	32.68%	72.00%	12.00%	10.00%	0.00%	4.00%	0.00%	2.00%	0.00%	0.00%	0.00%	0.00%	
XAU/SGD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.70%	0.00%	0.00%	7.41%	14.81%	74.07%	38.57%	30.00%	31.43%	72.73%	22.73%	4.55%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
XAU/USD	0.03%	1.51%	0.17%	0.25%	0.27%	0.39%	0.46%	1.06%	1.77%	3.67%	11.66%	78.79%	32.10%	40.82%	27.08%	77.15%	13.24%	4.18%	1.72%	1.02%	0.49%	0.39%	0.24%	0.16%	0.11%	1.30%	
XAU/XAG	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.26%	0.26%	0.00%	0.00%	0.52%	98.96%	33.30%	36.09%	30.61%	97.73%	0.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.70%	
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