

| 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 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.45% | 0.00% | 0.00% | 0.00% | 3.45% | 93.10% | 4.11% | 90.64% | 5.25% | 94.59% | 5.41% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| AUD/CAD | 0.10% | 3.83% | 0.17% | 0.41% | 0.06% | 0.23% | 0.23% | 1.10% | 0.29% | 0.87% | 3.72% | 89.08% | 18.27% | 64.27% | 17.46% | 94.53% | 2.49% | 0.73% | 0.55% | 0.61% | 0.30% | 0.12% | 0.12% | 0.24% | 0.18% | 0.12% | |
| AUD/CHF | 0.12% | 0.61% | 0.44% | 0.09% | 0.00% | 0.09% | 0.00% | 0.00% | 0.00% | 0.17% | 0.96% | 95.80% | 17.22% | 65.78% | 17.01% | 98.23% | 1.24% | 0.09% | 0.35% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.09% |
| AUD/JPY | 0.08% | 1.72% | 0.00% | 0.00% | 0.00% | 0.07% | 0.14% | 0.29% | 0.50% | 0.46% | 1.84% | 92.85% | 24.49% | 51.27% | 24.24% | 94.73% | 3.00% | 0.79% | 0.90% | 0.00% | 0.04% | 0.00% | 0.07% | 0.00% | 0.00% | 0.47% | |
| AUD/NZD | 0.21% | 4.13% | 0.32% | 0.32% | 0.00% | 0.00% | 0.00% | 0.32% | 1.11% | 2.70% | 3.50% | 87.60% | 12.29% | 76.55% | 11.16% | 94.22% | 2.98% | 0.70% | 0.35% | 1.40% | 0.00% | 0.35% | 0.00% | 0.00% | 0.00% | 0.00% | |
| AUD/SGD | 0.61% | 25.98% | 1.57% | 0.00% | 1.57% | 0.79% | 0.00% | 1.57% | 3.94% | 2.36% | 1.57% | 60.63% | 19.21% | 65.81% | 14.98% | 81.82% | 5.05% | 5.05% | 4.04% | 1.01% | 1.01% | 0.00% | 1.01% | 0.00% | 1.01% | 0.00% | |
| AUD/USD | 0.21% | 2.38% | 0.22% | 0.11% | 0.18% | 0.09% | 0.18% | 0.31% | 0.49% | 0.53% | 2.93% | 92.59% | 17.76% | 65.25% | 16.99% | 95.97% | 2.65% | 0.92% | 0.14% | 0.12% | 0.02% | 0.02% | 0.00% | 0.00% | 0.05% | 0.12% | |
| BDO/USD | 0.05% | 0.31% | 0.05% | 0.02% | 0.14% | 0.19% | 0.00% | 0.95% | 2.53% | 4.23% | 31.31% | 60.11% | 19.55% | 60.66% | 19.79% | 80.04% | 31.27% | 4.34% | 2.42% | 0.81% | 0.20% | 0.23% | 0.16% | 0.02% | 0.09% | 0.42% | |
| CAD/CHF | 0.19% | 0.28% | 0.50% | 0.33% | 0.28% | 0.06% | 0.00% | 0.00% | 0.06% | 0.06% | 1.39% | 97.06% | 18.92% | 62.32% | 18.76% | 97.88% | 1.45% | 0.61% | 0.00% | 0.06% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| CAD/JPY | 0.08% | 6.12% | 0.29% | 0.29% | 0.05% | 0.05% | 0.00% | 0.29% | 0.29% | 0.34% | 4.00% | 88.28% | 24.59% | 50.91% | 24.50% | 92.50% | 4.07% | 0.39% | 0.19% | 0.24% | 0.15% | 0.15% | 0.87% | 0.10% | 0.00% | 1.36% | |
| CAD/SGD | 0.28% | 6.32% | 0.00% | 0.00% | 0.00% | 0.00% | 1.05% | 0.00% | 0.00% | 0.00% | 2.11% | 90.53% | 13.34% | 69.94% | 16.71% | 96.64% | 1.68% | 0.84% | 0.00% | 0.00% | 0.84% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| CH20/CHF | 0.60% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 7.14% | 92.86% | 8.38% | 82.04% | 9.58% | 81.25% | 12.50% | 6.25% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| CHF/JPY | 0.17% | 8.31% | 0.14% | 1.11% | 0.67% | 0.58% | 0.24% | 0.29% | 1.35% | 1.68% | 5.53% | 80.11% | 26.74% | 51.36% | 21.90% | 88.20% | 5.99% | 1.58% | 1.29% | 0.65% | 0.12% | 0.12% | 0.18% | 0.12% | 0.06% | 1.70% | |
| CHINA/HKD | 0.14% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 100.00% | 0.00% | 0.69% | 98.34% | 0.97% | 14.29% | 42.86% | 28.57% | 0.00% | 14.29% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| CNS0/USD | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.72% | 10.34% | 13.79% | 74.14% | 13.21% | 71.07% | 15.72% | 73.91% | 15.94% | 4.35% | 0.00% | 5.80% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| CORN/USD | 0.12% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 9.76% | 2.44% | 0.00% | 0.00% | 9.76% | 78.05% | 2.49% | 94.95% | 2.55% | 100.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| DE01Y/EUR | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.49% | 5.97% | 13.43% | 29.85% | 49.25% | 8.60% | 83.06% | 8.34% | 55.38% | 29.23% | 7.69% | 4.62% | 1.54% | 0.00% | 1.54% | 0.00% | 0.00% | 0.00% | |
| DE30/EUR | 1.76% | 0.12% | 0.03% | 0.05% | 0.11% | 0.18% | 0.37% | 0.94% | 2.13% | 5.34% | 17.29% | 73.43% | 24.20% | 59.04% | 16.76% | 79.27% | 13.38% | 3.85% | 1.53% | 0.76% | 0.45% | 0.19% | 0.16% | 0.10% | 0.05% | 0.27% | |
| ESPIX/EUR | 0.89% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 50.00% | 50.00% | 0.00% | 1.79% | 95.54% | 2.68% | 0.00% | 66.67% | 0.00% | 33.33% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| EU50/EUR | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.45% | 0.00% | 1.35% | 13.06% | 85.14% | 5.12% | 89.11% | 5.77% | 87.60% | 11.20% | 1.20% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| EUR/AUD | 1.21% | 4.39% | 0.45% | 0.61% | 0.08% | 0.00% | 0.20% | 0.74% | 0.82% | 1.15% | 5.08% | 86.48% | 25.86% | 49.18% | 24.97% | 93.42% | 4.03% | 1.66% | 0.30% | 0.34% | 0.04% | 0.08% | 0.04% | 0.00% | 0.00% | 0.08% | |
| EUR/CAD | 0.53% | 7.84% | 0.30% | 0.68% | 0.89% | 0.77% | 0.00% | 0.13% | 0.38% | 2.17% | 3.88% | 82.96% | 25.21% | 51.87% | 22.92% | 93.25% | 3.75% | 1.59% | 0.52% | 0.09% | 0.23% | 0.09% | 0.00% | 0.00% | 0.00% | 0.47% | |
| EUR/CHF | 0.08% | 0.00% | 0.00% | 0.00% | 0.07% | 0.00% | 0.49% | 0.49% | 0.14% | 0.42% | 2.32% | 96.06% | 18.56% | 63.64% | 17.79% | 97.50% | 2.13% | 0.22% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.07% | |
| EUR/DKK | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 100.00% | 1.25% | 93.75% | 5.00% | 100.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| EUR/GBP | 0.10% | 0.30% | 0.00% | 0.00% | 0.00% | 0.00% | 0.03% | 0.10% | 0.34% | 0.40% | 0.97% | 97.85% | 15.20% | 69.64% | 15.16% | 98.45% | 0.87% | 0.20% | 0.17% | 0.00% | 0.00% | 0.03% | 0.00% | 0.00% | 0.00% | 0.27% | |
| EUR/JPY | 0.20% | 2.48% | 0.29% | 0.44% | 0.25% | 0.20% | 0.07% | 0.29% | 0.90% | 6.13% | 88.18% | 24.82% | 51.14% | 24.04% | 91.10% | 5.37% | 1.50% | 0.88% | 0.52% | 0.21% | 0.09% | 0.16% | 0.05% | 0.00% | 0.33% | | |
| EUR/NOK | 0.00% | 13.25% | 1.26% | 2.21% | 3.15% | 2.21% | 3.79% | 7.89% | 8.20% | 15.46% | 23.66% | 18.93% | 24.86% | 51.14% | 24.00% | 26.47% | 24.18% | 16.01% | 8.50% | 5.56% | 5.23% | 2.94% | 2.29% | 0.98% | 2.61% | 5.23% | |
| EUR/NZD | 0.12% | 14.85% | 1.46% | 0.40% | 0.53% | 0.13% | 0.13% | 0.66% | 1.06% | 1.86% | 12.73% | 66.18% | 15.46% | 70.80% | 13.74% | 81.79% | 11.94% | 4.18% | 0.45% | 0.60% | 0.45% | 0.00% | 0.15% | 0.15% | 0.00% | 0.30% | |
| EUR/PLN | 2.70% | 1.27% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 5.06% | 10.13% | 83.54% | 11.24% | 77.38% | 11.38% | 82.50% | 10.00% | 5.00% | 1.25% | 0.00% | 0.00% | 1.25% | 0.00% | 0.00% | 0.00% | 0.00% | |
| EUR/SEK | 0.00% | 36.63% | 0.99% | 0.00% | 0.00% | 2.97% | 1.98% | 1.98% | 4.95% | 7.92% | 21.78% | 20.79% | 19.09% | 67.11% | 13.80% | 30.14% | 30.14% | 12.33% | 9.59% | 6.85% | 5.48% | 1.37% | 2.74% | 0.00% | 0.00% | 1.37% | |
| EUR/USD | 0.00% | 31.41% | 0.64% | 0.00% | 4.49% | 1.28% | 1.28% | 10.90% | 2.56% | 1.28% | 6.41% | 39.74% | 28.73% | 55.62% | 15.65% | 58.82% | 10.59% | 15.29% | 6.41% | 1.18% | 5.88% | 1.18% | 1.18% | 2.35% | 1.18% | 2.35% | |
| EUR/SGD | 0.54% | 0.49% | 0.08% | 0.03% | 0.04% | 0.04% | 0.04% | 0.11% | 0.15% | 0.48% | 2.71% | 95.83% | 21.20% | 58.04% | 20.76% | 96.15% | 2.74% | 0.54% | 0.20% | 0.09% | 0.05% | 0.01% | 0.02% | 0.02% | 0.03% | 0.15% | |
| FR40/EUR | 0.10% | 0.47% | 0.00% | 0.00% | 0.00% | 0.00% | 0.24% | 0.47% | 0.47% | 2.13% | 16.31% | 79.91% | 10.36% | 80.92% | 8.72% | 83.43% | 13.20% | 1.97% | 0.84% | 0.28% | 0.00% | 0.28% | 0.00% | 0.00% | 0.00% | 0.00% | |
| GBP/AUD | 0.03% | 11.27% | 1.53% | 1.94% | 0.24% | 0.59% | 1.32% | 0.62% | 1.46% | 1.63% | 8.15% | 71.26% | 28.13% | 48.66% | 23.21% | 89.29% | 6.76% | 1.05% | 0.88% | 0.46% | 0.25% | 0.13% | 0.17% | 0.21% | 0.25% | 0.55% | |
| GBP/CAD | 0.06% | 8.41% | 0.69% | 0.94% | 0.43% | 0.04% | 0.47% | 0.60% | 0.47% | 1.94% | 4.91% | 81.55% | 28.56% | 45.65% | 25.79% | 91.03% | 5.30% | 1.91% | 0.76% | 0.15% | 0.19% | 0.10% | 0.05% | 0.00% | 0.00% | 0.43% | |
| GBP/CHF | 0.05% | 1.50% | 0.00% | 0.15% | 0.00% | 0.00% | 0.07% | 0.00% | 0.15% | 0.45% | 3.44% | 94.24% | 21.43% | 58.20% | 20.37% | 95.91% | 3.15% | 0.47% | 0.08% | 0.00% | 0.16% | 0.08% | 0.08% | 0.00% | 0.00% | 0.08% | |
| GBP/JPY | 0.13% | 1.63% | 0.14% | 0.11% | 0.06% | 0.16% | 0.12% | 0.27% | 0.54% | 1.76% | 6.34% | 88.87% | 27.59% | 44.45% | 27.96% | 91.53% | 5.92% | 1.16% | 0.40% | 0.20% | 0.16% | 0.08% | 0.07% | 0.06% | 0.08% | 0.35% | |
| GBP/NZD | 0.16% | 9.01% | 2.00% | 0.06% | 0.06% | 0.13% | 0.50% | 1.00% | 0.75% | 2.50% | 9.88% | 74.11% | 26.30% | 51.04% | 22.66% | 87.01% | 8.78% | 2.47% | 0.73% | 0.51% | 0.00% | 0.15% | 0.00% | 0.00% | 0.00% | 0.36% | |
| GBP/PLN | 0.00% | 0.35% | 0.00% | 0.35% | 1.06% | 0.35% | 0.71% | 2.13% | 3.19% | 10.28% | 27.66% | 53.90% | 24.93% | 51.37% | 23.70% | 55.22% | 27.24% | 8.21% | 4.10% | 2.61% | 0.75% | 0.00% | 0.75% | 0.00% | 0.37% | 0.75% | |
| GBP/SGD | 0.54% | 28.21% | 0.00% | 0.51% | 0.51% | 0.00% | 0.00% | 0.00% | 2.05% | 6.67% | 6.67% | 55.38% | 34.88% | 41.50% | 23.61% | 75.76% | 15.91% | 1.52% | 2.27% | 0.76% | 0.76% | 0.00% | 1.52% | 0.00% | 0.00% | 1.52% | |
| GBP/USD | 0.04% | 0.76% | 0.14% | 0.04% | 0.03% | 0.06% | 0.08% | 0.16% | 0.20% | 0.71% | 4.06% | 93.75% | 22.35% | 55.36% | 22.29% | 94.53% | 3.93% | 0.84% | 0.32% | 0.09% | 0.05% | 0.05% | 0.02% | 0.03% | 0.02% | 0.12% | |
| HKD/JPY | 0.00% | 23.85% | 0.77% | 3.08% | 6.15% | 3.08% | 5.38% | 1.54% | 10.00% | 11.54% | 26.92% | 7.69% | 24.86% | 50.29% | 24.86% | 8.46% | 26.92% | 17.69% | 11.54% | 0.77% | 5.38% | 3.85% | 3.08% | 1.54% | 0.00% | 20.77% | |
| JP225/USD | 0.05% | 0.00% | 1.27% | 0.00% | 0.63% | 1.27% | 0.00% | 18.35% | 0.00% | 42.41% | 36.08% | 0.00% | 7.25% | 85.18% | 7.57% | 0.00% | 42.42% | 37.58% | 0.00% | 15.76% | 0.00% | 1.82% | 0.61% | 0.00% | 1.21% | 0.61% | |
| JP225/JPY | 0.00% | 2.63% | 0.00% | 0.00% | 2.63% | 0.00% | 0.00% | 7.89% | 0.00% | 42.11% | 44.74% | 0.00% | 6.57% | 88.24% | 5.19% | 0.00% | 23.33% | 50.00% | 0.00% | 26.67% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| NAS100/USD | 0.06% | 0.28% | 0.06% | 0.05% | 0.16% | 0.20% | 0.42% | 0.81% | 1.80% | 4.89% | 16.70% | 74.62% | 32.08% | 35.38% | 32.54% | 74.15% | 16.37% | 4.93% | 1.96% | 0.98% | 0.51% | 0.31% | 0.17% | 0.16% | 0.11% | 0.36% | |
| NATGAS/USD | 0.01% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.07% | 0.11% | 0.07% | 0.33% | 2.83% | 96.59% | 4.86% | 90.50% | 4.63% | 97.14% | 1.07% | 0.38% | 0.08% | 0.53% | 0.00% | 0.00% | 0.00% | 0.15% | 0.11% | 0.53% | |
| NL25/EUR | 0.00% | 27.17% | 0.00% | 6.52% | 1.09% | 4.35% | 7.61% | 13.04% | 19.57% | 3.26% | 14.13% | 3.26% | 7.80% | 80.66% | 11.54% | 1.47% | 16.91% | 6.62% | 18.38% | 13.97% | 3.68% | 11.76% | 0.74% | 4.41% | 1.47% | 20.59% | |
| NZD/CAD | 0.04% | 4.24% | 0.00% | 0.00% | 0.24% | | | | | | | | | | | | | | | | | | | | | | |