

**PRESERVE MORE
ALPHA WITH
BETTER TRADING
MEASUREMENT**

**FUTURES POST-TRADE ANALYTICS
TRADE-ZOOM**

ANALYZE THE FULL-TRADE LIFECYCLE WITH ABEL NOSER'S FUTURES TCA TOOL. From optimal strategy selection and monitoring to post-trade historical analysis, our industry-leading TCA tools can help you decide how aggressively to hit the market at any given point while offering actionable insight into your trading costs.

By utilizing various measures built into our easy-to-use interface, you can review algo participation during market variances, compare trading across different markets and venues, quantify execution quality and measure performance. In short, we offer the tools you need to compete in today's electronic trading environment.

Our Futures TCA platform gives you the ability to:

- Quantify the implementation costs of futures hedging strategies
- Utilize broker performance metrics and execution-quality exception checks
- Assess efficacy and costs of your algorithm strategies
- Minimize reversion and implementation shortfall

Dimensions	Prin /K	Notional /K	Shares	dOpnStrike /BP	dEntStrike /BP
Grand Total	7,679.58	309,038.48	4,128	-8.51	-2.74
+ Z M6	1,686.71	16,867.13	190	32.06	-26.77
+ NQM6	1,418.08	28,361.56	315	-21.19	11.56
+ VGM6	1,131.18	11,311.80	351	46.84	38.57
+ GXM6	975.48	24,387.09	89	-19.36	25.33
+ ESM6	788.80	39,440.24	385	-8.04	-17.64
+ MESM6	666.46	33,323.19	812	-8.00	14.26
+ STM6					
+ RTAM6					
+ CAM6					
+ SMM6					
+ BTSM6					
+ IKM6					
+ RXM6					

ExchangeSymbol	ContractName	ExchangeName	ContractExpiryM	ContractExpiryYr	Prin /K	Shares	dEntStrike /K
001	NQM6	NASDAQ 100 E-...	Chicago Mercan...	June	2016	506.34	-35.01
004	NQM6	NASDAQ 100 E-...	Chicago Mercan...	June	2016	432.41	58.62
003	NQM6	NASDAQ 100 E-...	Chicago Mercan...	June	2016	349.36	5.79

Dynamic, easy-to-read trade data within our TCA platform interface.

- Compare your absolute trading costs to relative peer universe costs
- Track market liquidity to assess trade impact
- Identify alpha opportunities in your timing work flow

Features

- Hundreds of built-in measures with detailed analysis for each step of the trading process
- Detailed transactions in graphical form allow you to view the entire trade to clearly see volumes, interval VWAPS, TWAPS, various strike prices, etc.
- Assessments are un-conflicted compared to reports produced by interested counterparties
- Tiered access levels are available for users within your own organization.

Largest Possible Universe

Our TCA platform captures the largest global peer benchmark universe with trillions in equities, futures, fixed income, and foreign exchange. Benchmark data is included at no additional cost.

Confidential and Secure

Over 500 clients entrust their trade data to Abel Noser. You benefit by sharing in the scope of our knowledge and experience, while remaining anonymous at all times.

Abel Noser Solutions, an industry pioneer, has been a proven leader in multi-asset Trade Cost Analysis solutions for over three decades. Over 500 clients worldwide subscribe to our TCA and compliance products through a network of re-sellers, distribution partners, and strategic alliances.