

Trade Transparency

Multi-asset TCA & surveillance

BTCA

BLOOMBERG PROFESSIONAL SERVICES

Bloomberg



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Actionable insight

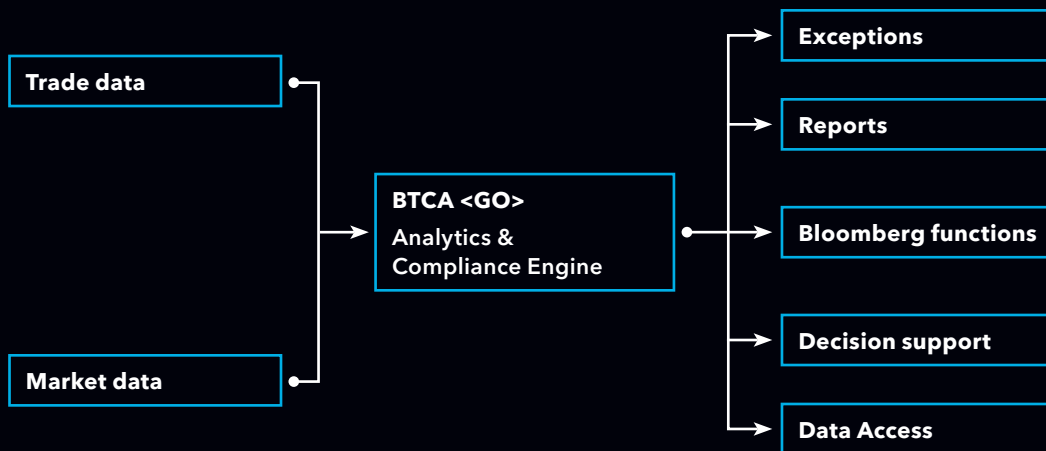
Bloomberg Transaction Cost Analysis BTCA , is a multi-asset, post-trade transaction cost analysis tool that combines your trades with the unrivalled breadth and transparency of Bloomberg's market data to deliver powerful analysis against a wide range of benchmarks. Featuring exception-based workflow and customizable reporting, BTCA empowers users to get the details they need on demand. BTCA delivers wide-ranging insight for trading-cost impact and decision support and comprehensive workflow for compliance surveillance.



Clarity in post-trade TCA

Are you a trader looking to get decision support for strategy selection? Or a portfolio manager trying to understand trading-cost impact on fund performance? Maybe a compliance officer mandated to manage regulatory risk? Having effective TCA and surveillance capabilities is essential. Bloomberg offers a solution that is simple to use and delivers actionable results – **BTCA <GO>**.

- Quantify trading performance
- Analyze trades across asset classes and regions
- Compare relative performance versus pre-trade estimates or peers
- Capture trading decision support insights
- Monitor and evolve “best execution” practice and processes
- Automate compliance surveillance including market abuse, manipulation and suspicious trading
- Generate mandatory regulatory reports
- Identify outlying trades and manage their investigations
- Evaluate and optimize internal processes
- Integrate to BTCA content electronically to nourish your own data sets and applications



Key Features

Analytics & Compliance Engine

- Trade cost decomposition across the order lifecycle from decision through final fill
- Benchmarks: Over 150 benchmarks supporting relative or absolute measures
- Compliance rules for best execution, market abuse and unusual behaviour detection
- Support for Equities, Fixed Income, FX, Listed and OTC derivatives

Exceptions: Best execution and compliance alerts

- Exception-based architecture streamlining workflow and outlier investigation
- Comprehensive library of configurable compliance, tolerance and violation rules
- Best execution thresholds

Reports: On and Off terminal

- Pre-configured report styles include on-terminal, interactive, fixed format PDF, off-terminal web based, as well as presentation ready Excel/Power Point
- On-demand and or scheduled reporting
- Custom report creation enabling unique outputs

Bloomberg Functions: Bloomberg Professional Service Integration

- Single click access to Bloomberg's analytics, charting, news and data for forensic-level trade analysis
- Seamless integration with all Bloomberg buyside and sellside trading platforms using the RHUB infrastructure

Decision support: Actionable Insight

- Insights dashboard, pre-trade TCA estimates, TP

Data Access

- Consumption of data via API, BQL and Results Service

Analysis cross asset class

Multi-asset integration

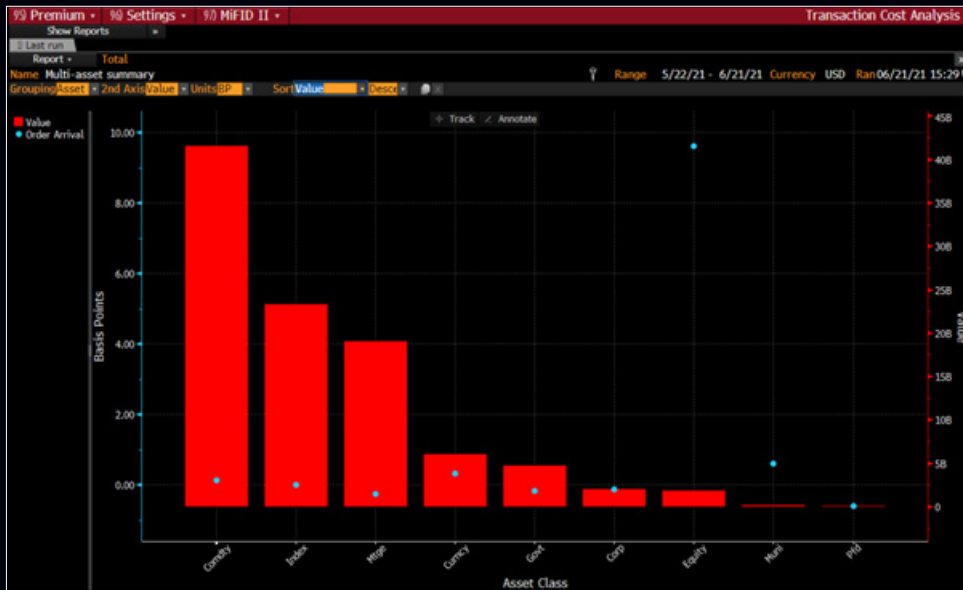
BTCA supports fixed income, equities, foreign exchange, exchange-traded and OTC derivatives. You can monitor best execution, market impact and timing with a single view of trading performance across asset class within a common framework for report creation. Utilizing Bloomberg contributed and evaluated prices and our extensive suite of underlying market data, BTCA offers:

- Full life-cycle analysis for single and multi-leg trading in equities, government, corporate, municipal and mortgage bonds, and foreign exchange spot, forwards and swaps.
- Support for index, commodity, bond and currency exchange traded derivative outright, rolls and options and OTC derivatives such as interest rate, equity and credit default swaps and options.
- Benchmarks include implementation shortfall, point in time, reversion and momentum cover for RFQ and a variety of VWAPs and TWAPs.
 - > Pricing sourced from exchanges, contributed data sets, evaluated prices and RFQ data for OTC securities
 - > Asset class specific drill downs, groupings and data content

Transaction Cost Analysis

	No	NumOrd	Value	TotalValuePct	Order Arrival bp	Order Arrival sum
Total	9	7,075	98,606,141,894	100.0	0.19	1,971,422
Asset Class						
Comdty	3	616	41,537,143,347	42.1	0.13	619,934
Corp	12	840	1,988,003,184	2.0	-0.13	-25,306
Currency	3	796	6,055,715,635	6.1	0.33	199,651
Equity	7	3,436	1,798,282,759	1.8	9.62	1,731,148
Govt	1	298	4,674,816,710	4.7	-0.16	-74,903
Index	3	404	23,287,093,275	23.6	0.01	15,422
Mtge	12	229	19,000,600,310	19.3	-0.26	-500,025
Muni	4	279	177,816,917	0.2	0.60	10,708
Pfd	2	177	86,669,756	0.1	-0.60	-5,209

BTCA<GO> – An interactive multi-asset report featuring Order Arrival performance for each asset class



BTCA <GO> – The same report but using the chart visualization to display asset class performance sorted in descending value

Interactive reporting & visualization

BTCA <GO> shows you the big picture and lets you drill down to the fine detail. You can aggregate performance to help spot trends of outperformance or underperformance.

How is performance affected by the volatility, strategy, timing or size of the order? Find unusual or suspicious outliers at the group level, then drill down to investigate.

Transaction Cost Analysis								
Report - Total > YellowKey (Equity)								
Name	Multi-asset summary	Mark Exceptions	No	NumOrd	Value	TotalValuePct	Order Arrival	
Fixed Cols							bp	
							Order Arrival sum	
Total			7	3,436	1,798,282,759	1.8	9.62	1,731,146
Size/ADV Ordinal								
0%-5%			2,854	1,009,859,876		56.2	16.41	1,660,683
5%-10%			70	68,217,394		3.8	1.43	9,765
10%-20%			205	66,956,995		3.7	-2.44	-23,066
20%-50%			78	109,968,157		6.1	-3.34	-36,728
50%-100%			36	254,000,079		14.1	5.11	129,768
>100%			91	62,666,503		3.5	-1.49	-9,274
N/A.			0	27,213,678		15.6	0.00	0

BTCA <GO> – The report is now focussed on equities and breaks the analysis down by Size/ADV to give performance in the context of order difficulty

Transaction Cost Analysis								
Report - Total > YellowKey (Equity) > Size/ADV,ordinal [10%-20%]								
Name	Multi-asset summary	Mark Exceptions	No	NumOrd	Value	TotalValuePct	Order Arrival	
Fixed Cols							bp	
							Order Arrival sum	
Total			11	205	66,956,995	3.7	-3.44	-23,066
BRkr								
BRK17			5	5	570,433	0.9	7.28	416
BRK5			51	51	203,235	0.3	6.73	137
BRK1			1	1	126	0.0	0.00	0
BRK9			6	6	327,779	0.5	-0.62	-20
BRK19			5	5	169,481	0.3	-0.66	-11
BRK12			4	4	41,950,186	62.7	-2.18	-4,022
BRK11			5	5	315,522	0.5	-1.88	-50
BRK18			100	100	895,446	1.3	-4.93	-439
BRK22			7	7	3,442,705	2.2	-5.63	-889
BRK4			4	4	167,837	0.3	-6.97	-112
BRK3			17	17	20,914,243	31.2	-8.23	-17,231

To conduct fair evaluation of broker performance for similar flow profile.

Transaction Cost Analysis								
Report - Total > YellowKey (Equity) > Size/ADV,ordinal [10%-20%] > BRkr [BRK17]								
Name	Multi-asset summary	Mark Exceptions	No	NumOrd	Value	TotalValuePct	Order Arrival	
Fixed Cols							bp	
							Order Arrival sum	
Total			5	5	570,433	0.9	7.28	416
Placement								
86309-16758432			0	1	23,139	4.1	-6.87	-16
86189-16759236			0	1	25,166	4.4	-6.39	-16
86377-1			0	1	2,850	0.5	0.00	0
86668-599463030			0	1	23,224	4.1	0.00	0
86401-1974079			0	1	496,053	87.0	9.01	448

Then identify specific contributing placements.

Your optimal view

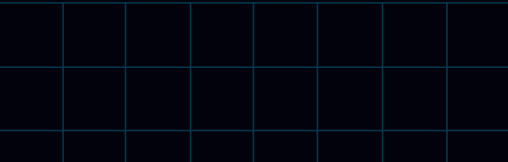
Selecting the right visualization helps you easily identify outliers or trends. Reports can be configured to a preferred default view, allowing a user to choose from an interactive grid, a bar graph, a pie chart or a matrix. Alternatively, gain a different perspective by using Momentum, Time Series or Violation reports. Reports can be saved as samples and shared with colleagues and customers. **BTCA <GO>** comes configured with pre-defined Sample Reports to support a wide range of standard reporting scenarios.



The data matrix – The matrix helps users determine performance “hot spots” by displaying the full range of values for two sets of groupings simultaneously.



Momentum charts – This is a specific chart that allows analysis of performance against benchmarks before and after trading to give insights on momentum bias.



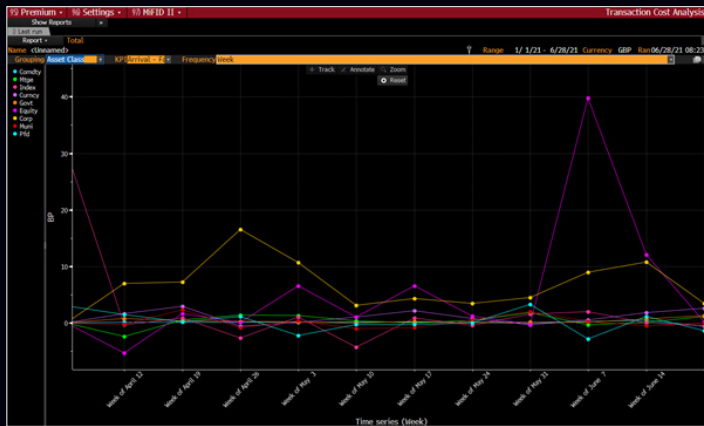
Transaction Cost Analysis

Report: Total Range: 5/29/21 - 6/28/21 Currency: USD Run: 06/28/21 08:19

Name: Basket Best Ex

Product	Mark Description	Stock Count	Stock	Value	NetValue	NumP1	Order Arrival
BR01		153	MRETI	31,944,408,449	-30,184,430,753	540	-1.50
BR02		220	MRETI	8,022,280,533	-6,089,800,832	640	-1.17
BR03		7	MRETI	230,027,249	-206,667,598	286	-0.28
BR13		8	MRETI	2,376,041,280	-69,544,622	213	-0.20
BR15		38	MRETI	4,299,826,972	334,137,644	646	-0.21
BR16		162	MRETI	3,237,246,483	822,316,839	385	-0.18
BR18		14	MRETI	3,270,666,993	-1,058,016,264	39	-0.10

Violation reports – Provide a flexible way to identify specific trading behaviour and aggregate level performance. Here we see the list of basket trades that have negative performance against order arrival.



Time series chart – Compare performance trends as they developed over the report period by quarter, month, week and day.

Insights by exceptions

Time is our most precious commodity. BTCA's exception based workflow provides automated surveillance of all your trading activity. No more random sampling.

User-defined thresholds, rules and filters can deliver the critical items important to your business. A dedicated Exception Dashboard allows you to organise and investigate exceptions and record your findings. Exception analytics and visualizations allow you to identify and improve processes and procedures from the insights gained.

Features Include

- Automate identification and prioritization of issues using tolerance, violation and compliance rules
- Capture critical items for investigation
- Manage a single list of exceptions
- Conduct a full investigation using links to the wider Bloomberg Professional Service
- Synchronize multiple investigations - Record and share your findings
- Refer to a full audit trail during review or audit
- Workflow tools to manage exceptions and follow-up between multiple permissioned users
- Integration with Bloomberg's communications tools, Instant Bloomberg and Bloomberg MSG



Exception monitoring

The Exception Dashboard provides an easy way to manage your workflow. Customize your view by selecting data items and filtering to display relevant results. Choose to view a list or group of exceptions, re-group to identify concentration risk, easily spot escalated items or choose the heatmap highlighting priority areas.

The screenshot shows the Bloomberg Exception Dashboard interface. At the top, there's a navigation bar with 'Export', 'Update Exception Predefined', 'Columns Settings', and 'Bulk Mode'. Below this is a summary bar with counts: 395 New, 3 Acknowledged, 0 Assigned, 4 Escalated, 6 Confirmed, 0 Archived, and 408 Total. The main area displays a table of exceptions with columns: Ticker, Exception Timestamp, Priority, Value USD, and Triggers. The table is filtered by 'Exception type' and 'Exception Creation Date'. A sidebar on the right shows 'Triggers' and 'Orders' for a selected exception.

Exception dashboard – A dedicated point of entry to manage your outliers.

The screenshot shows the Bloomberg Exception Heatmap. It features a grid with 'Type' on the vertical axis and status categories on the horizontal axis: New, Acknowledged, Assigned, and Escalated. Each cell in the grid contains a count of exceptions. The counts are: BESTEX BASKETS (72, 0, 0, 0), BESTEX EQUITIES (311, 0, 1, 0), BESTEX FI (1281, 0, 2, 0), BESTEX FX (28, 0, 0, 0), MARKET PARTICIPATION (696, 0, 1, 0), MARKING THE CLOSE PLACEMENT (249, 0, 1, 0), MOMENTUM IDENTIFICATION (140, 0, 0, 0), MULTI LEVEL TOLERANCE (340, 0, 1, 0), PUMP AND DUMP ORDER (20, 0, 1, 0), VIOLATION COUNT OF EXCHANGE (73, 0, 0, 0), and WATERFALL (1315, 0, 0, 0). The dashboard also includes filters for 'Exception type' (set to Custom) and 'Exception Creation Date' (set to Absolute dates).

Exception heatmap – Highlighting priority areas.

Investigation

The Exception Dashboard is a centralized tool for managing outliers and for investigating exceptions. The dashboard shows you all current and historical investigations and their status.

Each individual investigation contains a full audit trail for collaborative investigation. Embedded communication tools allow for comments or updates to be made throughout the process.

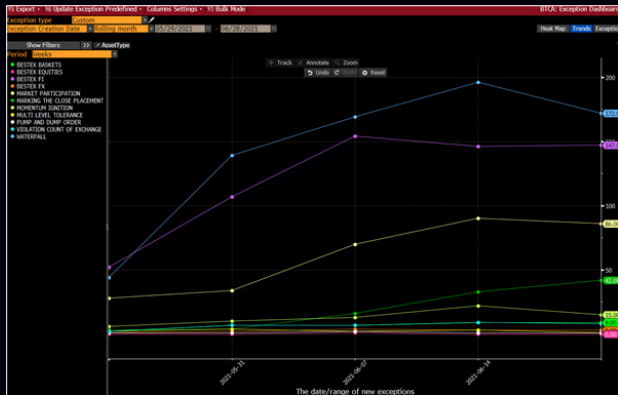
The top screenshot displays a list of investigation tickets. The columns include Status (Acknowledged), Owner (MIKE GOOGE), Resolution Code, and Investigation Notes. The notes describe a 'Pump and Dump Order (Compliance Test: Pump and Dump)... Investigate by Firm' with an arrival time threshold of 15 seconds.

The bottom screenshot shows a detailed view of an investigation ticket. It includes a 'Step' column with actions such as 'Check trade instructions / market conditions', 'Speak to traders', 'Review communications logs', and 'Check rule settings'. The investigation notes state: 'I've spoken to the traders as the orders were executed...'

Exception ticket – A full audit trail with embedded communication and forensic analysis options

Exception analysis

The historical view allows you to identify exception trends over time to review and refine thresholds, inform resourcing decisions and highlight areas for improvement. Customize the view of your dashboard to spot potential concentration risk by relevant grouping, e.g., Asset Class, Trader, Team or Customer etc.



Historical view – A visualisation of new exceptions over a time period allows you to identify trends.

AssetType	Trader	Ticker	Exception Timestamp	Priority	Value USD	Triggered rule preview
ALEX GOILA	N:	2 Ach:	1 Arch:	0 Arch:	0	4
BRUCE KEY	N:	38 Ach:	0 Arch:	0 Arch:	0	36
ELEEN JONASKYTE	N:	4 Ach:	0 Arch:	1 Arch:	0	5
HOMERIG LI	N:	19 Ach:	0 Arch:	0 Arch:	0	19
MARKET PARTICIPATION	N:	8 Ach:	0 Arch:	0 Arch:	0	8
MARKING THE CLOSE PLACEMENT	N:	4 Ach:	0 Arch:	0 Arch:	0	4
MOMENTUM SLOTTION	N:	1 Ach:	0 Arch:	0 Arch:	0	1
INTERFALL	N:	4 Ach:	0 Arch:	0 Arch:	0	4
JASON ZYMS	N:	1 Ach:	0 Arch:	0 Arch:	0	1
MARKET REPERENNITIV	N:	68 Ach:	0 Arch:	0 Arch:	0	66
THOMAS PREDERAK-GHEE	N:	38 Ach:	0 Arch:	1 Arch:	0	37
MARKET PARTICIPATION	N:	19 Ach:	0 Arch:	0 Arch:	0	19
MARKING THE CLOSE PLACEMENT	N:	14 Ach:	0 Arch:	0 Arch:	0	14
MOMENTUM SLOTTION	N:	1 Ach:	0 Arch:	0 Arch:	0	1
MARKET REPERENNITIV	N:	2 Ach:	0 Arch:	1 Arch:	0	1
MARKET PARTICIPATION	N:	2 Ach:	0 Arch:	1 Arch:	0	1
MARKING THE CLOSE PLACEMENT	N:	2 Ach:	0 Arch:	1 Arch:	0	1
INTERFALL	N:	8 Ach:	0 Arch:	0 Arch:	0	8
YANNI LIBAL	N:	16 Ach:	1 Arch:	0 Arch:	0	17

Custom grouping – Re-group your exceptions to identify underlying characteristics that can indicate concentration risk



Integrated bloomberg analytics

Costs in context with one click

BTCA is fully integrated with the Bloomberg Professional® service to deliver forensic analysis. From an interactive report, or exception ticket, select trade reconstruction, news, graphic and analytics functions preloaded with the details of the order to recreate the conditions and context of the market at the time. The menu of available functions maintains relevance by dynamically displaying according to the asset class selected.

The screenshot displays the Bloomberg Professional interface with several key components:

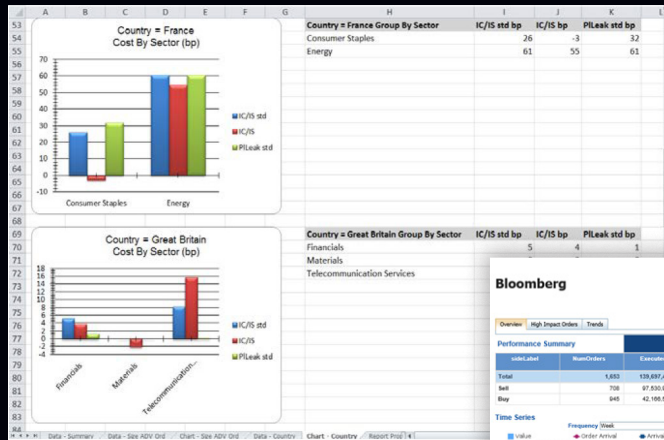
- Multi-asset summary table:** A table with columns for 'No.', 'Value', 'Executed Side', and 'Tkr'. It lists various trade entries with their respective values and execution details.
- Analytics menu:** A dropdown menu listing various functions such as 'News (CN)', 'Market Snapshot (SNPQ)', 'Volume Weighted Average Price (VwAP)', 'Price Chart (GP)', and 'Intra-Day Price Chart (IGPO)'. The 'Intra-Day Price Chart (IGPO)' option is highlighted with a blue box and an arrow pointing to the IGPO chart below.
- Transaction Cost Analysis window:** A window titled 'Transaction Cost Analysis' showing 'Avg Exec Px' at 77.9275 and 'Amount' at 40,000. It includes a 'Price Chart' with a volume-weighted average price line and a 'Top Trades' table.
- Intra-Day Price Chart (IGPO):** A detailed chart showing price and volume over time. The chart includes a volume-weighted average price line, individual fill profiles, and participation overlaid on the price movement.

TRANSPARENCY VWAP <GO> – allows you to see precisely which prints, volumes, venues, etc. were included in the calculation of your performance.

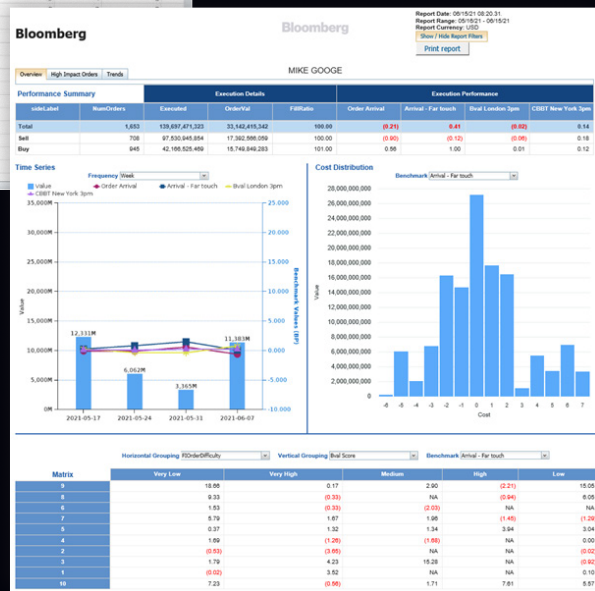
VISUALIZE – The IGPO chart shows intra-day market price and volume with your order start and end, individual fill profile and participation overlaid.

Presentation-ready reports

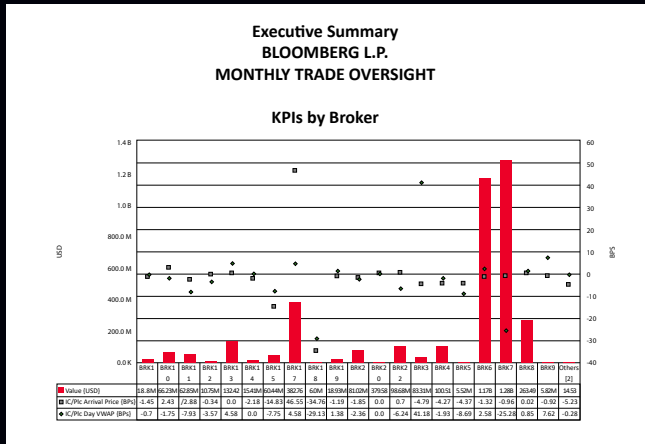
BTCa's presentation-ready reports are meant to be easily shared with clients or management. Select from a variety of formats to deliver polished outputs. Fixed Format reports include interactive and configurable web pages that can also be printed as PDF covering a variety of reporting scenarios. They provide a simple and effective way to present results. Every interactive report generates a version in Excel for personal desktop use off the Terminal. This Excel displays the multi-level structure in a pivot table layout with individual tabs showing detailed information and charting displays.



Microsoft Excel®



Off terminal interactive web report



Executive Summary BLOOMBERG L.P. MONTHLY TRADE OVERSIGHT

Summary

- Trading across 22 countries, 3,477 orders
- Value was: USD 3.79B
- Overall trading cost by benchmark:
 - IC/Arrival Price was: 3.86 BPs or USD 1.46M, Peer Universe was: -23 BPs
 - IC/Day VWAP was: -0.49 BPs or USD -37.7K
- Highest cost Broker by IC/Arrival Price was: CCL:EU with -26.3 BPs from traded value of USD 84.3K from 1 placement
- Highest cost Broker by IC/Arrival Price was: BRK18 with -34.8 BPs from traded value of USD 6M from 209 placements
- Lowest cost Stock by IC/Arrival was: 300001:C2 with 56.5 BPs from traded value of USD 316M from 100 placements
- Lowest cost Broker by IC/Arrival Price was: BRK17 with 46.6 BPs from traded value of USD 383M from 460 placements
- Most active Stock by Value was: IHYGEUR:EU with USD 893M from 96 placements

Off terminal presentation ready report

eConsulting delivers the flexibility of full client customization but in a fixed format – style presentation. Allowing users to cherry pick their key performance indicators, these reports deliver results in a conversational style to make interpretation crystal clear and offer a choice of graphics to help illustrate performance.

Data Access

Data Access is a new optional feature allowing existing BTCA customers to consume BTCA content in electronic format. The feature supports scheduled delivery of XML files to a designated SFTP and an API that allows direct integration for request/response access to data. Data Access will soon be available within BQL (Bloomberg Query Language).

Get access to your trade and analytic result data in order to:

- To nourish your in-house reporting/visualization tools
- To store in your own databases and blend with other data sets for in-house quantitative analysis to develop proprietary analytics
- To integrate post trade insights data directly to your OMS/EMS
- To provide inputs to proprietary decision support tools

About the Bloomberg Terminal.

Since 1981, business and financial professionals have depended on the Bloomberg Terminal® for the real-time data, news and analytics they need to make the decisions that matter. The Terminal provides information on every asset class – from fixed income to equities, foreign exchange to commodities, derivatives to mortgages – all seamlessly integrated with on-demand multimedia content, extensive electronic-trading capabilities and a superior communications network.



Last Price	Last Price (1M)	1M	3M	6M	1Y	YTD %
2631.97	-1.23%	-0.39%	-1.45%	+5.88%	-1.01%	+4.99%
1411.31	-0.16%	-0.98%	-1.58%	+3.92%	-4.02%	+3.12%
1314.54	-0.21%	-0.83%	-0.21%	+13.88%	+2.37%	+12.94%
1312.36	-0.37%	-0.33%	-0.30%	+11.86%	+6.11%	+11.02%
1714.30	-0.38%	-0.37%	-0.41%	+8.99%	+0.60%	+8.20%
1369.98	-0.71%	-0.19%	-0.82%	+7.20%	+3.52%	+5.98%
1113.23	-0.94%	-0.92%	-0.03%	+12.95%	+1.55%	+14.11%
1520.75	-1.33%	-0.05%	-0.78%	+6.82%	+0.09%	+6.72%
1458.38	-1.36%	-0.19%	-2.79%	+8.58%	-6.94%	+8.09%
1639.94	-1.44%	+0.02%	-1.55%	+8.57%	+0.26%	+7.37%
11017.24	-1.54%	-0.34%	-2.13%	+7.76%	+0.63%	+6.41%
18076.54	-1.54%	-0.40%	-0.99%	+5.76%	+2.45%	+5.25%
1882.04	-2.80%	-2.38%	-1.15%	+6.92%	+7.95%	+5.60%
1088.03	-0.22%	+0.63%	+1.15%	+6.92%	+7.95%	+5.60%
156.21	+1.26%	+2.16%	+2.42%	+15.47%	+3.72%	+14.73%
72.41	+0.91%	+1.39%	+0.74%	+2.06%	+6.06%	+6.88%
107.23	-0.73%	-0.83%	-1.64%	+9.04%	+3.20%	+7.38%
48.22	-0.61%	+2.68%	+1.45%	+14.88%	+9.89%	+13.73%
1110.18	-0.25%	+1.76%	+1.04%	+2.74%	+2.28%	+1.69%
1112.02	-0.25%	+2.07%	+2.44%	+16.64%	+8.66%	+14.53%
1117.99	-0.46%	+3.13%	+2.44%	+21.34%	+17.39%	+19.29%
91.99	-0.78%	+0.92%	-0.01%	+0.41%	+7.24%	+0.88%
128.46	-0.84%	+2.04%	-0.35%	+19.93%	+14.11%	+17.31%
1538.36	-0.92%	+0.93%	+4.89%	+26.91%	+22.81%	+24.68%
1082.80	-0.98%	+2.76%	-0.20%	+3.69%	+5.11%	+3.15%
166.43	-0.98%	+2.61%	+2.67%	+5.11%	+1.40%	+3.15%
125.59	-1.24%	-0.43%	-0.16%	+1.93%	+8.12%	+1.65%
1601.85	+0.07%	-0.28%	-1.90%	+1.80%	+4.29%	+4.76%
1331.68	-0.31%	+1.60%	-0.99%	+5.69%	+4.29%	+3.33%
1155.12	-1.18%	-0.84%	-1.11%	+4.63%	+1.19%	+3.33%
1856.61	-1.33%	-1.34%	-3.66%	+1.99%	+0.13%	+0.10%
1973.80	-0.11%	-0.60%	+0.04%	+1.47%	+5.22%	+0.81%
1131.19	+2.44%	+4.76%	+2.56%	+2.05%	+4.43%	+4.93%
62.45	+0.99%	+0.40%	+0.29%	+4.75%	+4.82%	+4.92%
1108.64	-0.48%	-2.51%	-7.04%	-0.04%	+6.19%	-4.65%
163.44	-0.24%	-3.34%	-7.20%	-3.51%	+9.32%	-3.53%
1147.05	-0.43%	-1.43%	-4.74%	-3.96%	+0.52%	-4.60%
93.12	-0.51%	-1.25%	+1.86%	+2.13%	+5.99%	+1.31%
17.255	-0.75%	+3.64%	-3.65%	+11.79%	-26.07%	+10.59%
289.40	-0.59%	-1.83%	-0.13%	+0.49%	-0.62%	+0.29%
1013.61	-1.18%	+1.45%	+0.03%	+2.60%	-18.89%	+1.50%
171.63	-0.79%	+1.39%	+2.95%	+19.13%	+22.38%	+15.38%
154.83	-0.52%	+4.54%	+5.11%	+18.42%	+5.47%	+16.81%
143.31	-0.35%	+7.90%	+10.48%	+17.88%	-1.99%	+17.15%
1157.99	-0.33%	+1.20%	-0.42%	-1.68%	-7.28%	-2.51%
190.21	-0.49%	+1.17%	-1.37%	+1.55%	-1.56%	--
146.67	-0.51%	+2.35%	+2.82%	+9.45%	-14.57%	+7.19%
124.31	-0.94%	+1.63%	+3.76%	+23.72%	-11.25%	+23.03%
128.11	-0.95%	-0.25%	-0.74%	+5.08%	-0.31%	+4.46%
163.12	-0.96%	+1.86%	+0.22%	+6.82%	-12.11%	+5.78%

12:38:00 Launchpad - Markets

Save View Views **Grid Components**

ADS UN Equity

Index Movers

Index Movers	Last Price	Last	%Chg	1 Mo %	3 Mo %	YTD %	1Y %
ADS UN Equity	206.37		+3.6%	7.32%	+5.96%	+7.29%	+13.60%

Top Performers (10)

Ticker	Last Price	%Chg	1 Mo %	3 Mo %	YTD %	1Y %
BBR	1124.28	+6.5%	11.01%	+8.13%	+10.40%	+24.56%
BXP	171.14	+6.7%	7.17%	+9.48%	+7.54%	+23.01%
EOR	1101.83	+7.5%	6.91%	+3.89%	+6.25%	+9.46%
NMA	163.25	+7.6%	8.06%	+10.05%	+4.27%	+14.51%
REG	165.72	+7.7%	3.76%	+10.05%	+8.00%	+9.50%
O	142.80	+9.0%	8.69%	+9.86%	+6.03%	+9.83%
UDR	1378.88	+12.0%	5.94%	-2.96%	+15.49%	+6.06%
EQUIX	1318.92	+13.32%	12.80%	+8.74%	+4.38%	+17.20%
KIM	194.39	+13.76%	4.98%	-1.2%	-6.3%	-3.25%
EXR	1286.00					
DLR						

Bottom Performers (10)

Ticker	Last Price	%Chg	1 Mo %	3 Mo %	YTD %	1Y %
CBRE	144.39	-5.8%	11.28%	+14.50%	+10.86%	+26.41%
SBAC	1176.27	-5.6%	8.26%	+16.34%	+8.66%	+26.55%
SBAC	1176.27	-4.4%	4.94%	+11.40%	+5.36%	+22.95%
AMT	1166.68	-1.2%	17.36%	-3.28%	+11.26%	+33.55%
WY	125.67	+1.4%	11.33%	-8.31%	+17.20%	+19.61%
IRM	136.10	+1.7%	8.25%	+15.26%	+8.90%	+11.36%
WELL	1125.64	+1.8%	10.15%	+3.64%	+8.90%	+11.36%
ARE	1206.15	+2.5%	2.25%	-2.80%	+2.00%	+18.81%
PSA	1144.05	+3.1%	5.47%	+10.13%	+4.97%	+15.15%
CCF	1144.05	+3.9%	7.02%	-8.2%	+7.16%	-5.38%
WNO	166.46					

Remaining Securities (12)

Ticker	Last Price	%Chg	1 Mo %	3 Mo %	YTD %	1Y %
HCP	130.49	+4.0%	9.27%	+15.01%	+9.08%	+38.45%
SPG	1177.95	+4.7%	5.81%	-1.06%	+5.88%	+15.15%
PLD	166.34	+5.0%	13.44%	+2.98%	+12.99%	+12.72%
MHC	146.39	+5.4%	7.53%	-10.03%	+7.19%	+11.20%
HST	117.59	+5.7%	5.40%	-4.32%	+5.46%	+1.02%
DRE	117.59	+5.9%	13.89%	+5.09%	+12.39%	+17.96%
FRT	129.215	+5.9%	7.37%	+5.45%	+9.45%	+28.50%
ESS	126.40	+6.0%	7.45%	-6.65%	+7.83%	+4.00%
AIV	148.34	+6.2%	10.90%	+13.51%	+9.89%	+20.91%
VTR	162.82	+6.2%	5.86%	+10.56%	+7.25%	+35.40%
AVB	187.89	+6.4%	8.62%	+7.24%	+7.76%	+9.69%
SSRETL	12072.27	-1.75%	7.51%	-8.5%	+6.17%	-2.42%

Top Performers (10)

Ticker	Last Price	%Chg	1 Mo %	3 Mo %	YTD %	1Y %
SLG	1113.70	-4.4%	5.93%	+5.18%	+4.94%	+7.25%
DG	156.51	-4.2%	7.80%	+23.57%	+5.94%	+7.76%
DG	1289.78	-3.2%	20.68%	+5.13%	+18.03%	+6.17%
FL	125.65	-1.2%	1.2%	-5.0%	-1.2%	+13.21%
ULTA	125.65	-0.3%	1.12%	-3.05%	+3.70%	+18.95%
GPS	1117.08	+3.4%	1.27%	-6.73%	-3.28%	-15.33%
EXPE	153.74	+5.9%	14.76%	-20.95%	-14.07%	+18.03%
AAP	125.66	+7.2%	5.83%	+2.55%	+5.43%	+5.61%
M	1815.15	+1.22%	20.82%	+24.80%	+21.55%	+7.36%
BKNG	134.12	+2.03%	10.21%	-7.76%	+9.31%	+16.69%
EBAY	128.21					

Bottom Performers (10)

Ticker	Last Price	%Chg	1 Mo %	3 Mo %	YTD %	1Y %
AMZN	11620.00	-3.03%	9.44%	-1.54%	+7.96%	+14.97%



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85.32

20.96

1.18

11.25

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