

Bloomberg

TRAINING BOOKLET

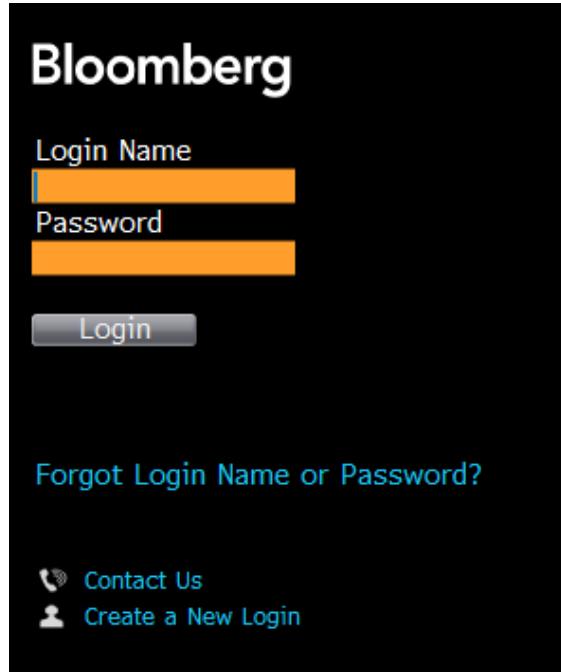


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Bloomberg Sign-Up Instructions

- 1.) Click start up menu and begin to type Bloomberg
- 2.) Select the **BLOOMBERG** with all caps
- 3.) Press <Enter> or <Go> to begin (under Bloomberg)
 - a. Important- Press Once. It will take a minute to load
- 4.) Click *Create New Login*



5.) Check No under "Have you ever been a Bloomberg Client?"

The screenshot shows a software window titled "1<Go> to Continue" with the "Govt UREG" logo at the top right. The main title is "Let's create your Bloomberg login." Below it, there are four tabs: "Start" (selected), "User Information", "Validation", and "Login Creation". Under "User Information", there are three sections: "Preferred Language" set to "English", "Are you creating a login for yourself?" with "No" selected, and "Have you ever been a Bloomberg client?" with "No" selected. At the bottom right is a "Continue" button.

6.) Click Continue

7.) Please enter your information

- a. Important to know that a work number is required and it must be different than your mobile number. If no work number, put in a phone or University of Scranton main number. (570) 941-7400
- b. You must have your cell phone with you. An automated text will be sent to your phone
- c. Use your Scranton.edu email.

8.) Click Continue

- 9.) Next to Mobile Number Select One option SMS Text or Automated Call. (Only select one). Click **Send Code**

Menu
1<Go> to Send Code, <Menu> to Return

Govt UREG

Login Creation: Validation

Start | User Information | Validation | Password

In order to proceed, we need to send you a validation code. Please choose how you would like to receive the code. We recommend using SMS Text Message because it is faster. Select or enter the phone number or Email address and click the Send Code button.

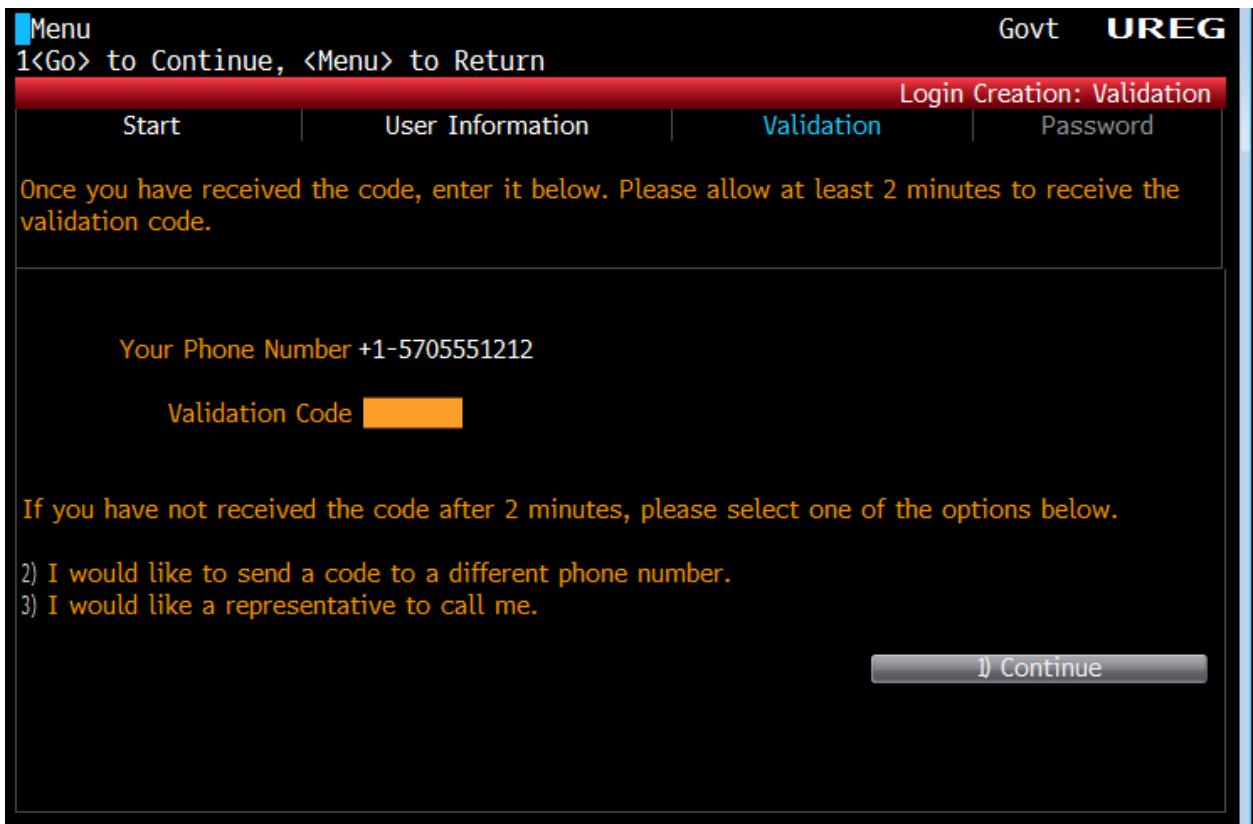
My Work Number +1-5709417400
My Mobile Number +1-5705551212
My Email Address name@scranton.edu
Alternative Number United States ▾ + 1 - 

SMS Text Automated Call Email Call

Send Code



10.) Validation Code will be sent to your phone- Type in Validation Code. Click Continue



11.) Enter New Password

Menu Govt UREG

1<Go> to Create Login

Login Creation: User Password

Start	User Information	Validation	Password
-------	------------------	------------	----------

Please create your password

Enter New Password

Re-enter New Password

Create Login

12.) You will be given a Login Name

13.) Under Getting Started – “*Click here to return to login screen*”(or you can change your Login Name)

Menu

2<Go> to Login

Govt UREG

Login Creation Summary

Congratulations on successfully creating your login.

Login Name

Your Login Name VR9

Please select the option below if you wish to change your login name now.

1) Change your login name.

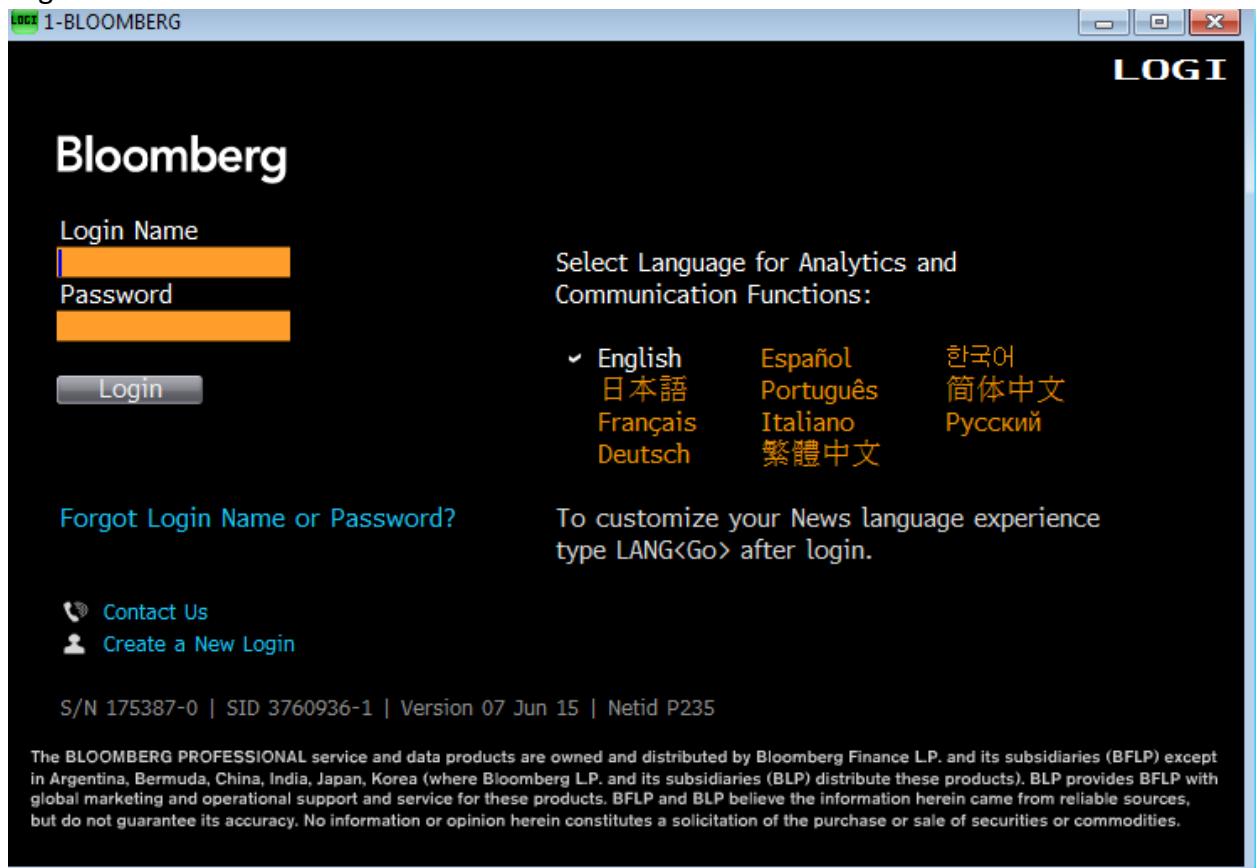
Getting Started

2) Click here to return to the login screen.

Once you are logged in, you can hit <Help><Help> to reach a LIVE Bloomberg rep.

UUID 14877146

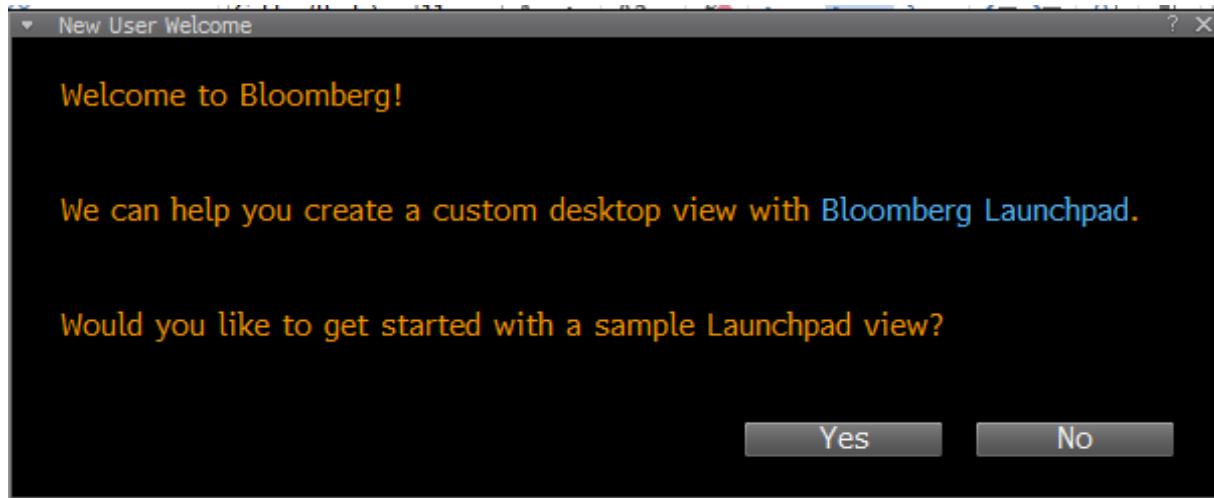
14.) Login



15.) Check default country

16.) Click the <Go> Save on top left

You may see a pop-up that says to open your Launchpad. You can click “No” before you get started and always come back and create a new Launchpad

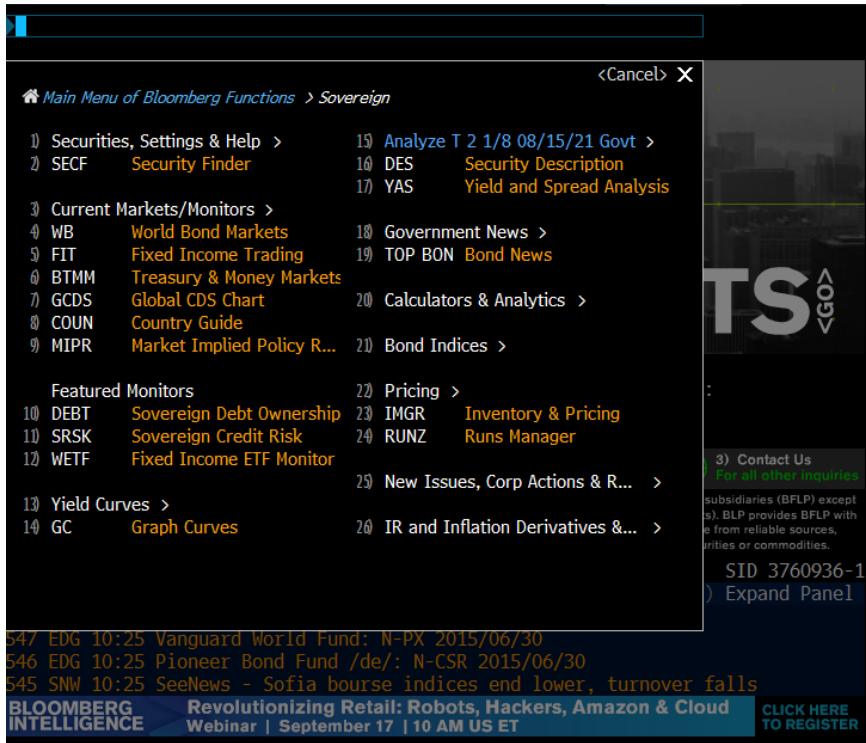


17.) From there you can start typing in Bloomberg Functions on the top left where the Blue Curser is blinking

Ex. Type Menu then Enter button



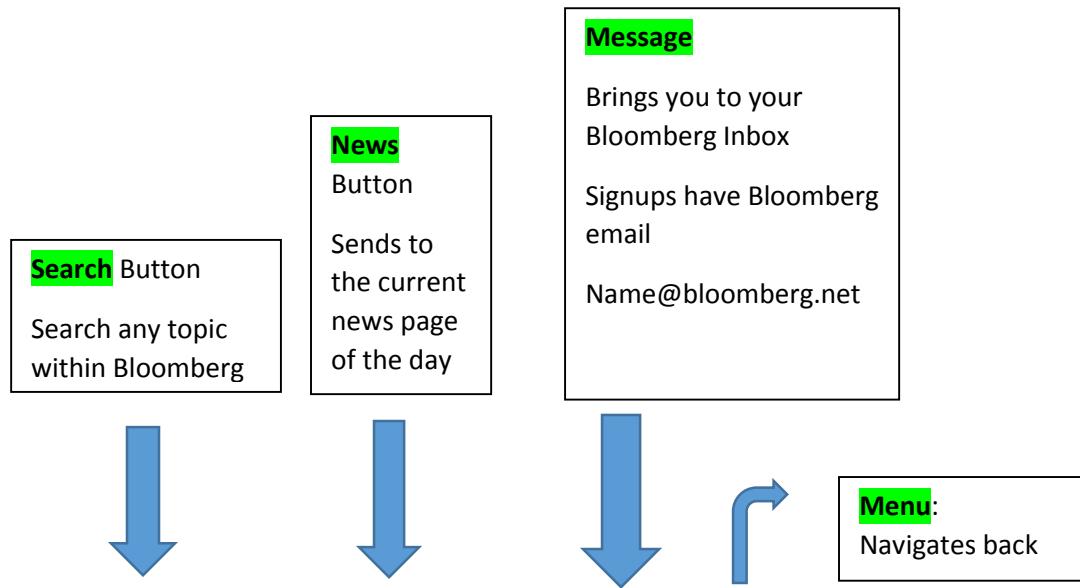
Displays Menu



Click **<GO>** to Save



Important keys on the Bloomberg keyboard



Yellow Keys

Indicate the different classes of Securities:

F2	Government
F3	Corporate Bonds
F4	Mortgages
F5	Money Markets
F6	Municipal Bonds
F7	Preferred Stocks
F8	Equities
F9	Commodities
F10	Index
F11	Currency
F12	Portfolio Management

Bloomberg Main News Page

To get to the main news page

- 1.) News button on Keyboard
- 2.) Or type **Top <GO>** into upper right hand corner

1-BLOOMBERG

FEDEX CORP Equity ▾ TOP ▾ Related Functions Menu ▾

All Stories Other Pages ▾ Custom Searches

Top News
Translate To...

<Narrow>

Top Stories Selected by Bloomberg | More »

- 1) Stocks Extend Worst Month Since 2012 as Fed, China Woes Collide BN 10:15
- 2) Jackson Hole Questions Inflation Mastery Sought by Draghi & Co. BN 08:01 B
- 3) If the Options Market Is Right, China's Stock Rescue Is Doomed BN 09:40 B
- 4) Samsung Loses \$44 Billion of Value in Worst Streak Since 1983 BN 06:10 B
- 5) Thirty-Minute VIX Frenzy Shows Obsession With Volatility Hedging BN 00:00 B
- 6) Treasuries Advance as China Concern Rekindles Demand for Safety BN 09:55
- 7) Bond Market Anxieties Divide Wall Street on What's Next for Fed BN 08:12 B
- 8) Wal-Mart Cuts Some Workers' Hours After Pay Raise Boosts Costs BN 08:33 B
- 9) Kim Kardashian Posts Drug Side Effects After FDA Issues Warning BN 10:10
- 10) Junk-Rating Dread Sends Ibovespa, Real to World's Biggest Losses BN 10:20
- 11) Berkshire Wagers That Americans Are Still Thirsting for Gasoline BN 10:28
- 12) Pipeline Anxiety Spurs Alaska Plea for Obama to Open Oil Spigots BN 00:00
- 13) Bond Traders Punish Mexican Miner Penoles as Copper, Zinc T... BN 07:15 B
- 14) USA Rugby Signs a Four-Year Partnership With London's Harlequins BSP 10:16
- 15) Five Lessons From Last Week's Wild Markets: Mohamed A. El-Erian BV 02:00 V
- 16) Yellow Badge Goes Nicely With Christie FedEx Plan: Opening Line BN 05:57 B
- 17) Aerial Dog Fences Can't Be Counted On to Curb Wayward Drones BN 05:00 B

Show General View Deals Finance Economy Technology Sports

General News | More »

- 18) Politicians Are Losers as Iowa Polls Reveal Hunger for Outsiders BN 06:59
- 19) Merkel Denounces Xenophobia as Fissures Show in EU Over Migr... BN 10:37
- 20) Ukraine Policeman Killed as Constitution Vote Fans Kiev Tensions BN 10:31
- 21) Obama Inches Closer to Veto-Proof Support for Iran Nuclear Deal BN 08:30

300) Edit Panel 301) Expand Panel

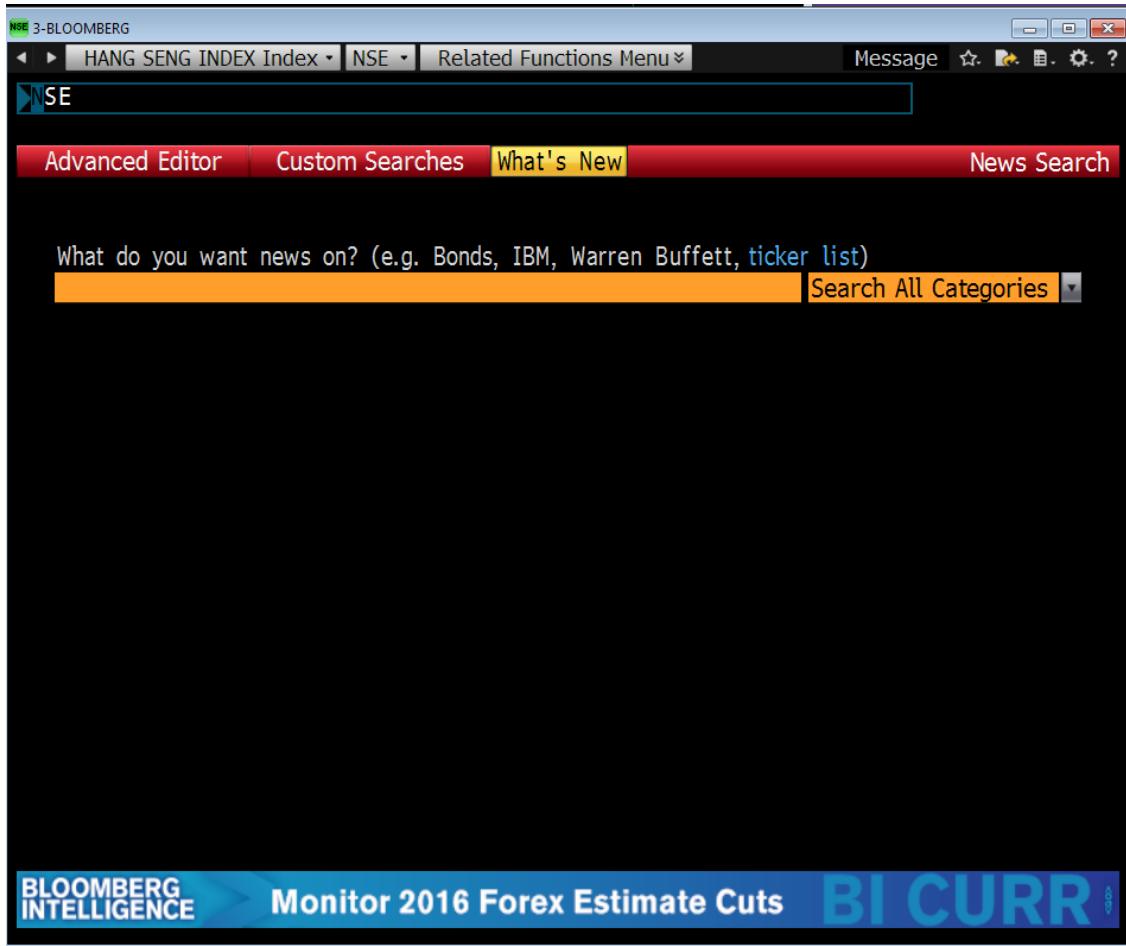
BN 10:40 *BRAZIL SENATE SHOULD VOTE ON FUNDS REPATRIATION THIS WK: TEMER
 653 WPT 10:40 Kanye for President, Miley Vs. Nicki, And the 6 Rules of the VMAs
 652 WPT 10:40 Who Rises as Scott Walker Falls?
 651 EDG 10:40 Isabella Bank Corp: 8-K 2015/08/31

China's Bailout - Drinking Poison to Cure Thirst: BI ECON<GO>

News Search

NSE<GO>

- Filter your search on specific topics
 - Ex. Only show Earnings news (Type Earnings)
 - Ex. Only show news on Google (Type Google)
- Can also create predefined custom searches



Events Calendar **EVTS<GO>**

- Displays upcoming events such as earnings, conference calls, corporate events etc.
- These can be filtered by a single security, single index (ex. SP500)
- Daily, weekly and Monthly views

The screenshot shows the Bloomberg Events Calendar window. At the top, there are menu options: HANG SENG INDEX Index, EVTS, Related Functions Menu, and a toolbar with various icons. Below the toolbar, a red header bar displays 'Events Calendar' and several filter options: Source (Equity Index, SPX Index), Date (08/30/15 - 09/05/2015), Location (<Enter Location>), Host (<Enter Broker>), Sector (ICB), Industry (All), and Event Type (All Event Types, Earnings Releases, Earnings Calls, Earnings Releases & Calls, More). The main area is a grid showing events by time (00:00 to 07:00) and day (Monday to Friday). Some events are highlighted in yellow, such as (ER) DLTR US and (ER) HRB US on Tuesday. The bottom of the window features a yellow banner with the text 'ALIGN ANALYSTS. MANAGE MEDIA. INFORM INVESTORS.' and the Bloomberg logo.

Other news functions

Function	Description
READ	Most Read/Popular News
NI ERN	Scrolling news monitors only on earnings
CN	Company News
TOP BON	Top Bond News
TOP ECO	Top Economic News
Top CMD	Top Commodity News
NYT/WPT	New York Times/Wash. Post
TWEE	Tweets selected by Bloomberg
MTWE	Tweets from Major Media
TV	Bloomberg TV
RADI	Bloomberg Radio
LIVE	Live Broadcasts

Bloomberg Intelligence

One of the most important and powerful functions on Bloomberg. Bloomberg Intelligence breaks down industries, sectors and topics. This is the most efficient way to perform a macro and micro analysis of an industry and company.

Covers topics such as

- Earnings
- Industry Trends
- Key Industry metrics etc.

The Main Bloomberg Intelligence Page

Bi<GO>

The screenshot shows the Bloomberg Intelligence homepage. The top navigation bar includes links for 'Actions', 'Community', 'Directory', and 'Bloomberg Intelligence'. Below this, a sidebar on the left lists various categories: 'BI: All Research', 'My Favorites', 'Sectors' (with sub-options like Communications, Consumer Discretionary, Consumer Staples, Energy, Financials, Health Care, Industrials, Materials, Technology, Utilities), 'Topics' (with sub-options like Credit, Economics, Government, Litigation, ESG), and 'Special Reports'. The main content area displays a list of research articles, each with a title, a small thumbnail image, and a timestamp. The first few articles are:

Article Number	Title	Timestamp
101	Emerging Market Currency Rout - Key Consequences	10:59
102	iPhone Sequel Unlikely to Outdo the 6, 6 Plus	10:36
103	M&A: Schlumberger Buys Cameron	10:34
104	Euro Gain Hurts Chinese Carmakers, Benefits Japanese	10:34
105	China Developers' Hangover From Offshore Credit Binge	10:31
106	Netflix: Media Friend or Foe?	10:30
107	Most Recent (Click to see more) »	10:28
108	Biotech-Pharma Catalyst Calendar: Resverlogix, Alnylam Trials	10:22
109	GM's Profit Metrics Are Set to Rise, Yet Fall Short of Key Peers	10:19
110	Biotech-Pharma Catalyst Calendar: BioDelivery, Trevena, Acadia	10:18
111	Finning's Cost Cuts, Mix May Mitigate Margin Pressure: Primer	10:17
112	Drive for Next Gen Optical May Help Ciena Results: 3Q Preview	10:10
113	Higher Wages in Asia May Pressure Apparel Margins: Bear Case	10:06
114	Newbuild Delays, Financing Lead Seadrill Earnings: 2Q Review	10:02
115	Arch Innovates GSE Risk-Sharing Transaction, 2Q Income Triples	09:59
116	CenturyLink Ebitda May Stabilize a Year After Revenue: Primer	09:58
117	Truckload Spot Rates Decrease 0.5% in Ninth Consecutive Decline	09:57
118	Decreasing Expense Growth Aids Salesforce.com Profit: Primer	
119	Finning New Equipment Declines to Offset Product Support: Primer	
120	North America Food Pensions May Need to Trim Expected Returns	
121	Product Refresh Progress Will Drive Infoblox Results: 4Q Preview	
122	North America Food Pensions May Need to Trim Expected Returns	
123	Trucking Demand Index Up 1% on More Available Loads in the West	
124	Biotech-Pharma Catalyst Calendar: Intercept, Esperion, Shire	
125	Crude Oil Exports Lead Concho Resources' List of Policy Concerns	

At the bottom of the page, there are two banners: 'ANALYZE INTEL'S M&A TRACK RECORD' and 'BUY P <GO>'.

BI AIRLN <GO>

The main Bloomberg Intelligence page for the Airline Industry

<Menu> to Return, 94<Go> to Hide Navigation

Search BI 91) Actions ▾ 92) Directory

Bloomberg Intelligence North America

Airlines Dashboard (BI AIRLN)

Analysis Dashbd Home Companies Industry Government

Data Library Featured Market Share Macro Industry Company Earnings Valuation Cost Analysis Airline Traffic Financing Contributors

Monitor News/Research Events Comp Sheets Markets

Industry Primer (Click to see more) » With Overseas Weak, U.S. Airlines Focus on ... U.S. airlines are supporting profits with strong domestic markets, though market-share battles are rising, as international markets sputter on competition and currency. Lower jet fuel ...

Page 1 of 22

Critical Themes

- 1) Market Share War Goes Hot as Domestic Fares Fall
- 2) Yuan Devaluation Leads to More Asia Yield Weakness
- 3) Latin America Airline Yields at Risk as Brazil Slows
- 4) Cuba Rapprochement Opens Opportunity for U.S. Airlines

Most Recent (Click to see more) »

	Analysis & Data	%YTD
5) With Overseas Weak, U.S. Airlines Focus on Profit Growth ...	07:21	-49.93
6) UAE, Qatar Defense Spend Burdens U.S. Response to Delt...	07:03	+43.00
7) North American Atlantic Air Yields Post First 2Q Drop Sin...	08/28	+38.03
8) Fees, Air-Traffic Control Top American Airlines' Policy O...	08/27	-31.79
9) Fees, Air-Traffic Control Drive Delta Air Lines' Policy Out...	08/26	+28.05
10) Fees, Air Traffic Control Top United Policy Outlook	08/25	-27.76
11) Yankees, Mets, Cargo Carriers May Face Curbed NYC Air...	08/25	-26.30
12) Cheaper Air Fares for New Yorkers May Be Product of Ne...	08/25	-22.94
13) NYC Market Share Delta, United Covet May Diminish Und...	08/25	-13.74
14) Defining New Anew, Aircraft Size to Affect NYC Area Mark...	08/24	-12.29
15) Baggage Fees, Air Traffic Controllers, Drones: Policy Watch	08/24	-9.76
16) Rule Overhauling NYC Area Airport Market May Be Finish...	08/24	-4.55

Key Indicators Latest Industry Indicators

31) Jet Fuel p/ga...	148.89
32) N. American E...	96.20
Operating Stats (Median)	
33) Sales Growth Yo...	6.91
34) EBITDA Margin (%)	14.44
35) Yield per Passe...	13.92
Equity Valuation (Median)	
36) Est P/E Current Yr	9.11
37) EV/Sales	1.00

Competitors %YTD

51) Copa Holdings...	-49.93
52) JetBlue Airwa...	+43.00
53) Allegiant Trav...	+38.03
54) Spirit Airlines ...	-31.79
55) Alaska Air Gr...	+28.05
56) WestJet Airlin...	-27.76
57) American Airl...	-26.30
58) Virgin Americ...	-22.94
59) United Contin...	-13.74
60) Southwest Air...	-12.29
61) Delta Air Line...	-9.76
62) Air Canada	-4.55

What is the Carbon Footprint of your investment?
Analyze the climate risks and opportunities of your portfolio

If you simply type in BI, an auto-complete will appear. Click more choices to see the full line of Sectors that Bloomberg Intelligence covers

The screenshot shows a search bar at the top with the letters 'BI'. Below it is a dropdown menu titled 'FUNCTIONS' with the instruction '<UP ARROW> to hide' and an 'Autocomplete Feedback' button. The menu lists various sectors starting with 'BI': ADVT, AERO, AGCH, AIRL, ALUM, ANLG, ANTR, APPM, and APPR. At the bottom of the list is a link 'More Choices...'. The background of the terminal is dark.

The screenshot shows a search bar at the top with the letters 'BI'. Below it is a list of 20 items, each consisting of a number from 1 to 20 followed by a sector name and its description. The list is titled 'Search terms: BI' and includes: 1) BI ADVT (BI - Advertising & Marketing), 2) BI AERO (BI - Aerospace & Defense), 3) BI AGCH (BI - Agricultural Chemicals), 4) BI AIRL (BI - Airlines), 5) BI ALUM (BI - Aluminum), 6) BI ANLG (BI - Analog ICs), 7) BI ANTR (BI - Antitrust), 8) BI APPM (BI - Apparel Design), 9) BI APPR (BI - Specialty Apparel Stores), 10) BI APTR (BI - Apartment REIT), 11) BI ASFT (BI - Application Software), 12) BI AUTM (BI - Automobiles), 13) BI AUTP (BI - Auto Parts), 14) BI BANK (BI - Banking), 15) BI BDCH (BI - Basic & Diversified Chemicals), 16) BI BESG (BI - Environmental, Social & Governance), 17) BI BEVG (BI - Beverages), 18) BI BILL (BI - Legislation), 19) BI BIOF (BI - Biofuels), and 20) BI BIOT (BI - Biotech). The background is dark, and there is a yellow banner at the bottom with the text 'New! View FX Open/High/Low/Close by City.' and the FX24 logo.

Equities

Equity Markets

WEI <GO>

- World Equity Index show all global markets, broken down by the Americas, Europe and Asia.

						World Equity Indices			
94 News		95 Settings						% Ytd	USD
Standard	Movers	Volatility	Ratios	Futures	AVAT vs	10d	Time	% Ytd	% YtdCur
1) Americas	2day	Value	Net Chg	%Chg	Δ AVAT				
11) DOW JONES		16505.65	-137.36	-0.83%	-32.17%	15:29		-7.39%	-7.39%
12) S&P 500		1974.72 d	-14.15	-0.71%	-25.69%	15:14		-4.09%	-4.09%
13) NASDAQ		4767.81	-60.51	-1.25%	-23.51%	15:29		+0.67%	+0.67%
14) S&P/TSX Comp		13820.05 d	-45.02	-0.32%	+9.02%	15:09		-5.55%	-16.64%
15) MEX IPC		43526.88 d	+236.02	+0.55%	-21.51%	15:09		+0.88%	-10.89%
16) IBOVESPA		46517.78 d	-636.09	-1.35%	+17.84%	15:14		-6.98%	-32.14%
2) EMEA									
21) Euro Stoxx		3269.63 d	-16.96	-0.52%	-49.32%	11:50 c		+3.92%	-3.47%
22) FTSE 100		6247.94 d	+55.91	+0.90%	-5.02%	08/28 c		-4.85%	-6.20%
23) CAC 40		4652.95 d	-22.18	-0.47%	-46.05%	12:05 c		+8.90%	+1.16%
24) DAX		10259.46 d	-39.07	-0.38%	-44.90%	12:30 c		+4.63%	-2.80%
25) IBEX 35		10259.00 d	-93.90	-0.91%	-39.47%	11:38 c		-0.20%	-7.29%
26) FTSE MIB		21941.92 d	-51.82	-0.24%	-33.12%	11:30 c		+15.41%	+7.21%
27) AEX		445.03 d	-0.93	-0.21%	-46.93%	12:05 c		+4.84%	-2.60%
28) OMX STKH30		1501.07	-8.63	-0.57%	-37.96%	11:35 c		+2.49%	-5.16%
29) SWISS MKT		8824.56 d	+39.46	+0.45%	-40.28%	11:30 c		-1.77%	+1.21%
3) Asia/Pacific									
31) NIKKEI		18890.48 d	-245.84	-1.28%	-14.34%	02:28 c		+8.25%	+6.95%
32) HANG SENG		21670.58 d	+58.19	+0.27%	+4.44%	04:01 c		-8.20%	-8.13%
33) S&P/ASX 200		5206.98	-56.58	-1.07%	+0.40%	08/31 c		-3.77%	-16.12%

Clicking on one index will give you the weight breakdowns of industry of the selected index. The picture below is a breakdown of the SP500 index



MOST<GO>

The **MOST** function shows the largest volume movers, change up, change down, 52 week highs/low. From this screen you can easily change to other indices and filter by sector. Other most active functions include

- LVI<GO> - Largest volume movers
 - MOV<GO>- Largest movers up/down.

The most efficient function for this is MOST. You can also click to view the news of the day and distinguish why the stock is up/down.

Equity Screener

EQS<GO>

The Equity Screener is one of the most popular and widely used Bloomberg functions, analyst, traders and Portfolio Managers filter out thousands of securities to their investment criteria. [Grab your reader's attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]

Bloomberg supplies pre-set criteria or the user can custom create any filter they would like.



The screenshot shows the Bloomberg Equity Screening interface. At the top, there are tabs for 'Formula' and 'Actions'. The 'Actions' tab is selected, showing options like 'Backtest' and 'As Of 08/31/2015'. Below the tabs, there are sections for 'Screening Criteria' and 'Selected Screening Criteria'. The 'Screening Criteria' section includes categories like Exchanges, Sectors, Country of Domicile, Indices, Portfolios/Monitors, and More Categories. The 'Selected Screening Criteria' section shows three items: Security Universe (802882 matches), Trading Status: Active (235086 matches), and Security Attributes: Show Primary Security of company only (69247 matches). A blue arrow points from a box labeled 'Security Universe' to the 'Security Universe' item in the 'Selected Screening Criteria' list.

Selected Screening Criteria		Matches
Security Universe		802882
S1) Trading Status: Active		235086
S2) Security Attributes: Show Primary Security of company only		69247
Click here to add screening criteria		

Perform Bank Valuation & Capital Adequacy Stress Testing through Monte Carlo Simulation. Try Value.Bank today

The following Equity Screener has broken down a list of 800k+ global security types down to 28 displayed with the following criteria

- SP500 Index
- Current P/E Ratio < 40
- Current Market Cap > 10 billion
- Latest Quarterly Revenue Growth Year over Year >15%

The screenshot shows a software interface for equity screening. On the left, there's a sidebar with 'My Recent Screens' and 'Popular Screens'. The main area is titled 'Equity Screening' with a date 'As Of 08/31/2015'. It shows 'Selected Screening Criteria' with the following items:

	Security Universe	Matches
51) #	Trading Status: Active	802882
52) #	Indices: S&P 500 Index	235086
53) #	Current Price Earnings Ratio (P/E) < 40	502
54) #	Current Market Cap > 10B	450
55) #	Latest Quarterly Revenue Growth Year over Year > 15	337
56) #	Click here to add screening criteria	28

At the bottom right, there's a button labeled '1) Results' with a blue arrow pointing upwards.

Click on **RESULTS**



The screenshot shows a software interface for financial analysis. At the top, there are menu options: <Menu> to Return, 95 Output, 90 Actions, 28 securities, Equity Screening: Results, Backtest, As Of 08/31/2015, and Fields. Below the menu is a table titled "Add Column" with 28 rows of data. The columns are: Ticker, Short Name, P/E, Market Cap, Rev - 1 Yr Gr:Q, Market Cap, Price:D-1, and Total Return YTD. The data includes various companies like CERNER CORP, STARBUCKS CORP, ENDO INTERNATIONAL, VENTAS INC, LEVEL 3 COMM INC, JM SMUCKER CO, AVAGO TECHNOLOGI, ALLIANCE DATA, HEALTH CARE REIT, COGNIZANT TECH-A, SIGNET JEWELERS, SKYWORKS SOLUTIONS, MALLINCKRODT, MEDTRONIC PLC, CARDINAL HEALTH, BECTON DICKINSON, ANALOG DEVICES, LABORATORY CP, WALGREENS BOOTS, LAM RESEARCH, and MYLAN NV. The table also includes numerical values for each column across the 28 rows.

	Ticker	Short Name	P/E	Market Cap	Rev - 1 Yr Gr:Q	Market Cap	Price:D-1	Total Return YTD
1)	CERN	US CERNER CORP	37.61	21.57B	32.20%	21.57B	63.13	-2.37
2)	SBUX	US STARBUCKS CORP	35.01	81.87B	17.51%	81.87B	55.63	36.90
3)	ENDP	US ENDO INTERNATIONAL	34.27	16.23B	24.01%	16.23B	78.70	9.12
4)	VTR	US VENTAS INC	31.79	18.67B	18.64%	18.67B	56.69	-7.65
5)	LVLT	US LEVEL 3 COMM INC	29.90	16.04B	26.83%	16.04B	45.37	-8.12
6)	SJM	US JM SMUCKER CO	29.58	14.15B	47.45%	14.15B	117.59	18.48
7)	AVGO	US AVAGO TECHNOLOGI	28.37	32.85B	36.72%	32.85B	127.62	27.60
8)	ADS	US ALLIANCE DATA	28.05	15.98B	18.61%	15.98B	262.25	-8.32
9)	HCN	US HEALTH CARE REIT	26.55	22.71B	15.82%	22.71B	65.08	-11.02
10)	CTSH	US COGNIZANT TECH-A	24.57	38.45B	22.57%	38.45B	63.72	21.00
11)	SIG	US SIGNET JEWELERS	24.42	11.39B	15.07%	11.39B	139.66	6.67
12)	SWKS	US SKYWORKS SOLUTION	22.65	16.76B	37.99%	16.76B	88.62	22.60
13)	MNK	US MALLINCKRODT	22.60	10.39B	47.77%	10.39B	89.93	-9.19
14)	MDT	US MEDTRONIC PLC	21.83	103.62B	59.96%	103.62B	73.56	2.80
15)	CAH	US CARDINAL HEALTH	20.86	27.15B	20.32%	27.15B	83.39	4.16
16)	BDX	US BECTON DICKINSON	20.70	29.99B	44.65%	29.99B	142.83	3.50
17)	ADI	US ANALOG DEVICES	20.51	17.55B	18.63%	17.55B	56.45	3.72
18)	LH	US LABORATORY CP	18.54	12.07B	49.64%	12.07B	119.61	10.85
19)	WBA	US WALGREENS BOOTS	17.62	94.24B	48.42%	94.24B	87.42	16.12
20)	LRCX	US LAM RESEARCH	17.40	11.42B	18.62%	11.42B	72.92	-7.55
21)	MYL	US MYLAN NV	17.18	24.61B	29.09%	24.61B	50.37	-10.64

Below the table, there are buttons for Analyze, Stats..., Grouping (set to None), Zoom (set to 100%), and a status bar message: All valuation tools you need in one app: Reverse Analysis, Monte Carlo.

Results can be exported to an Excel file or Back tested.

Fundamental Analysis

There are many financial analysis features within the Bloomberg terminal. The most widely used are listed below. When researching a specific stock, a starting point would be the **DESCRIPTION** page.

To input a stock into Bloomberg use the following steps

Stock Symbol <F8> <GO>

Ex. AAPL<F8> <GO>

***IMPORTANT TO REMEMBER-ONCE A STOCK IS INPUT USER ONLY NEEDS TO INPUT THE FUNCTIONS NEXT TO THE STOCK SYMBOL. THE AMBER BOX WILL CHANGE TO A DIFFERENT SECURITY FOR THAT SCREEN.**

The main menu will appear that listed the many functions of stock analysis. The DES function is the starting point.



The user can also bypass the above page by inputting

AAPL<F8> DES



From the Description page the user can easily navigate to other functions within the terminal. The profile page include a quick snapshot of the company. The profile description, Ratios Analysis, Revenue and EPS, and Industry Info.

Ratios

AAPL US \$	↓ 113.095	-.195		K113.09 / 113.10X	7x4
At 15:47 d	Vol 48,580,270	0 112.03P	H 114.53K	L 112.00P	Val 5.493B
AAPL US Equity	Report				Page 3/5 Security Description
1) Profile	2) Issue Info	3) Ratios	4) Revenue & EPS	5) Industry Info	
Fiscal Year End	09/2014		7) Income Statements (FA IS)		
Last Quarter End	06/15 Q3		8) Balance Sheet (FA BS)		
Current/T12M	(USD)		9) Cash Flow (FA CF)		
Issue Data					Cash Flow Analysis
Last Px	USD/112.99	EPS T12M	8.66	P/CF	8.1
P/E	13.0	DPS	1.82	Curr P/FCF	9.5
Dvd Ind Yld	1.8%	Bk Val Per Sh	22.03	CF/NI	1.5
P/B	5.13	Rev/Bas Sh	30.04	Dvd P/O	27.9%
P/S	2.9	CPS	9.81	Cash Gen/Cash Reqd	2.9
Curr EV/T12M EBITDA	6.4	Curr Shares Out	5.7B	Csh Dvd Cov	3.6
Mkt Cap	644,350.6M	FCF/Basic Sh	8.24	CFO/Sales	32.7%
Curr EV	495,920.6M	Profitability		Eff IR	1.5%
Growth Potential					Structure
Dil EPS Frm Cont Op...	13.6%	EBITDA	60.4B	Curr Ratio	1.1
Cap 1Y Gr	4.5%	EBIT	52.5B	Quick Ratio	0.7
BPS 1Y Gr	-3.1%	OPM	28.7%	Debt/Assets	15.2%
R&D To Sl	3.3%	Pretax Mrgn	29.3%	Debt/Com Eq	31.6%
Retntrn Rt	72.1%	ROA	20.5%	A/R Trnovr	21.2
Rev - 1 Yr Gr	7.0%	ROE	41.1%	Inv Turnover	74.4
Empl 1Y Gr	15.3%	ROC	30.8%	GM	38.6%
Ast 1Y Gr	12.0%	Ast TO	0.9	EBIT/Tot Int Exp	136.7

Prior Revenue and EPS and forecasted, with Product and Geographic breakdown

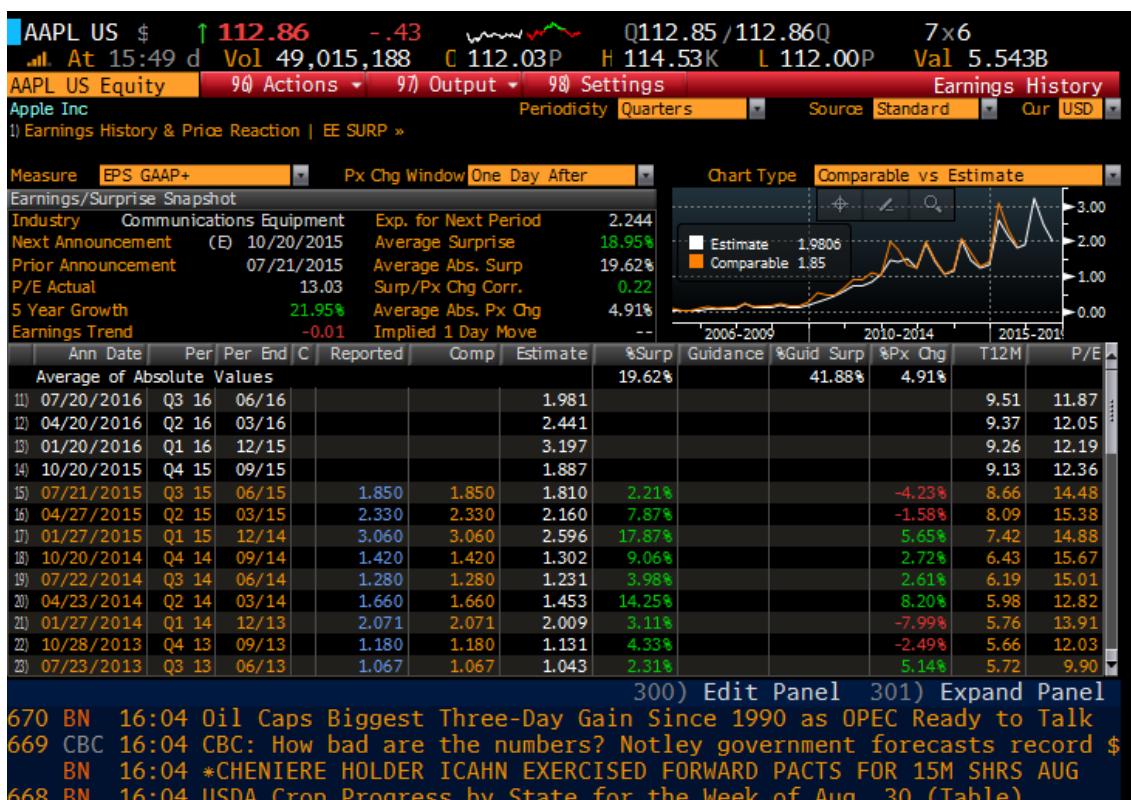
AAPL US \$	↓ 113.0253	-.265		K113.02 / 113.03K	3x12
At 15:46 d	Vol 48,241,731	0 112.03P	H 114.53K	L 112.00P	Val 5.455B
AAPL US Equity	Report				Page 4/5 Security Description
1) Profile	2) Issue Info	3) Ratios	4) Revenue & EPS	5) Industry Info	
6) Comparable Revenue (EM)					7) Comparable Earnings Per Share (EM)
(USD)	2011	2012	2013	2014	2015
FY	108.2B	156.5B	170.9B	182.8B	233.4B
Q1	26.7B	46.3B	54.5B	57.6B	74.6B
Q2	24.7B	39.2B	43.6B	45.6B	58.0B
Q3	28.6B	35.0B	35.3B	37.4B	49.6B
Q4	28.3B	36.0B	37.5B	42.1B	50.9B
(USD)	2011	2012	2013	2014	2015
FY	3.95	6.31	5.68	6.45	9.15
Q1	.919	1.98	1.97	2.07	3.06
Q2	.914	1.76	1.44	1.66	2.33
Q3	1.11	1.33	1.07	1.28	1.85
Q4	1.01	1.24	1.18	1.42	1.89
Color Legend:	Reported,	Estimated			
8) Geo Seg (FA GEO)	2014 Rev	3Yr Gr	9) Prod Seg (FA PROD)	2014 Rev	3Yr Gr
Americas	80.1B	27.86%	iPhone	102.0B	30.40%
Europe	44.3B	16.82%	iPad	30.3B	16.47%
Asia-Pacific (Australia & Asia)	43.1B	24.03%	Macintosh	24.1B	3.40%
Japan	15.3B	41.22%	Services	18.1B	24.44%
			Other	8.4B	-11.10%

Earning Screens

AAPL <F8> ERN

ERN displays past earnings announcements that include Analyst estimates, reported EPS, and the percentage of surprise beats or misses against analyst estimates. This screen also show the price change the day of the announcement, and also the effect on the stocks P/E ratio

Users can easily change to other securities by inputting symbol in amber box



*Anything with and Yellow/Amber color can be change. i.e. Symbol, Measure(EPS, Revenue etc.)

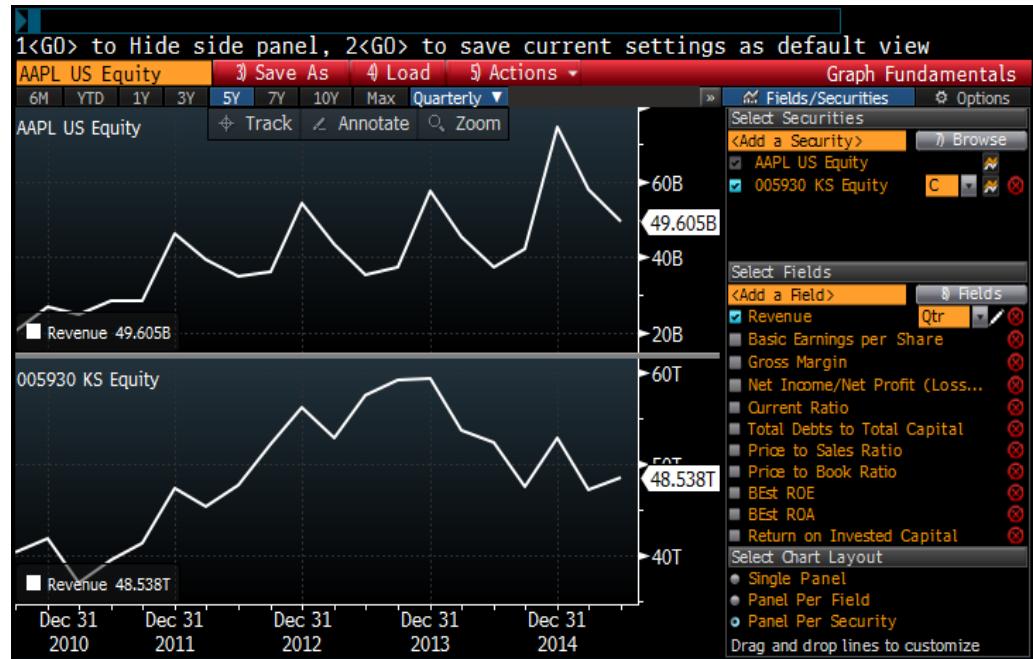
Other Earnings functions

- EE- Earnings and Estimates
- EOO- Consensus Overviews

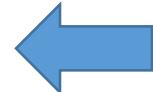
Graph Fundamentals

Stock Symbol <F8> GF

GF<GO> Graphing Fundamentals allows the user to visualize the comparison between two competitors or just graphing a single security. Fields can be customized to the user's preference. The following is a GF chart comparing Revenue of Apple to Samsung on a Quarterly basis



Search criteria and set as default



Historical Pricing - HP<GO>

- Historical pricing includes the closing price on a monthly, weekly or daily basis with a specified date range. Data can be exported into excel

AAPL US \$		↑ 112.76	-.53	Q112.71 / 112.76K	17x4						
At	16:00 d	Vol	55,607,238	C 112.03P	H 114.53K L 112.00P Val 6.286B						
Apple Inc											
Range	09/02/2014	-	08/31/2015	Period	Daily						
Market	Last Price	Volume		Currency	USD						
View	Prices Table										
	Date	Last Price	Volume	Date	Last Price	Volume					
Fr	09/04/15			Fr	08/14/15	115.96	42,929,516	Fr	07/24/15	124.50	42,162,332
Th	09/03/15			Th	08/13/15	115.15	48,535,789	Th	07/23/15	125.16	50,999,452
We	09/02/15			We	08/12/15	115.24	101,685,610	We	07/22/15	125.22	115,450,607
Tu	09/01/15			Tu	08/11/15	113.49	97,082,814	Tu	07/21/15	130.75	76,756,427
Mo	08/31/15	112.76	55,607,408	Mo	08/10/15	119.72	54,951,597	Mo	07/20/15	132.07	58,900,203
Fr	08/28/15	113.29	53,164,407	Fr	08/07/15	115.52	38,670,405	Fr	07/17/15	129.62	46,164,710
Th	08/27/15	112.92	84,616,056	Th	08/06/15	115.13	52,903,040	Th	07/16/15	128.51	36,222,447
We	08/26/15	109.69	96,774,611	We	08/05/15	115.40	99,312,613	We	07/15/15	126.82	33,649,200
Tu	08/25/15	103.74	103,601,599	Tu	08/04/15	114.64	124,138,623	Tu	07/14/15	125.61	31,768,139
Mo	08/24/15	103.12	162,206,292	Mo	08/03/15	118.44	69,975,968	Mo	07/13/15	125.66	41,440,538
Fr	08/21/15	105.76	128,275,471	Fr	07/31/15	121.30	42,884,953	Fr	07/10/15	123.28	61,354,474
Th	08/20/15	112.65	68,501,622	Th	07/30/15	122.37	33,628,268	Th	07/09/15	120.07	78,595,038
We	08/19/15	115.01	48,286,510	We	07/29/15	122.99	37,011,653	We	07/08/15	122.57	60,761,614
Tu	08/18/15	116.50	34,560,708	Tu	07/28/15	123.38	33,618,097	Tu	07/07/15	125.69	46,946,811
Mo	08/17/15	117.16	40,884,745	Mo	07/27/15	122.77	44,455,540	Mo	07/06/15	126.00	28,060,431

Dividends

DVD <GO>

Displays current and prior dividend and split information, Dividend Yield, Growth etc. Can go as far back as the IPO date of the security that is input.



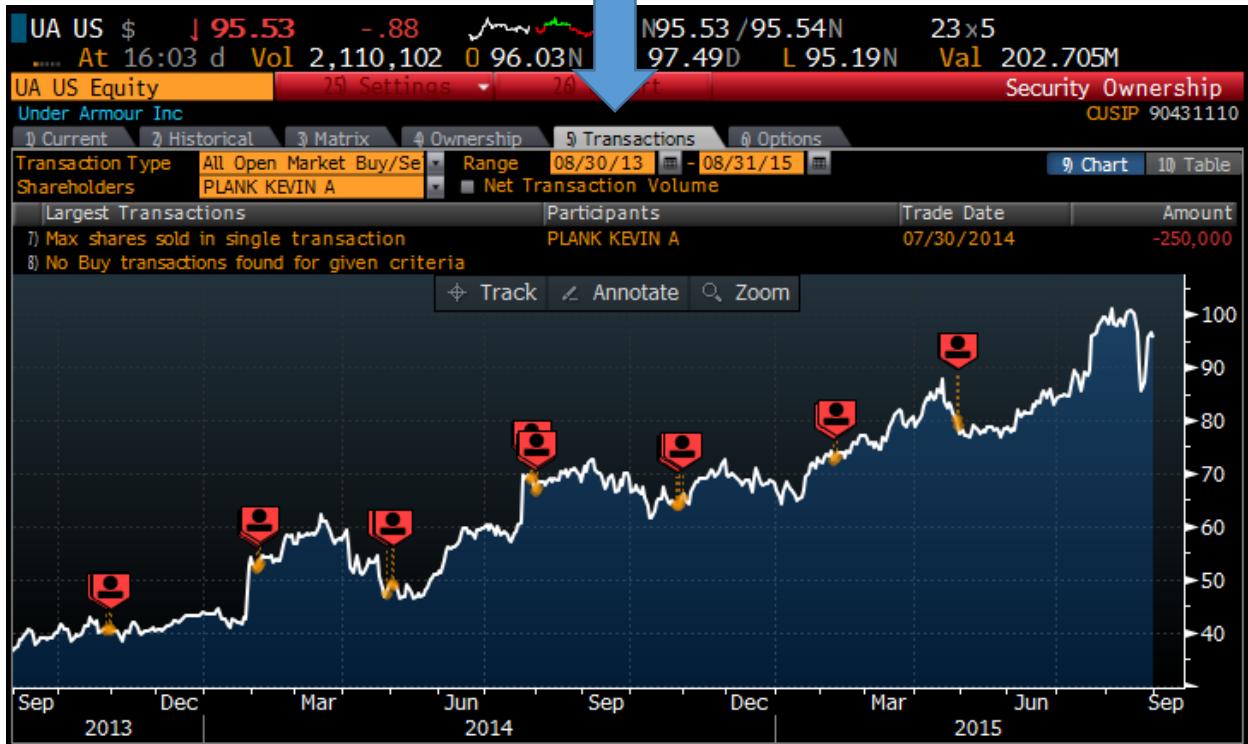
OWN <GO>

Displays largest institutional holders, Insider Ownership, Geographic and ownership type of the Stock.



Transactions Tab of OWN

Can locate on a chart a specific insider transaction including option exercise, buy/sell etc. The following displays Kevin Plank, CEO of Under Armour buy/sell transactions. The red is indicated as a sell.



Clicking on red field will display the trade price, number of shares and date of the transaction

Insider/Major Shareholder Transactions					
Trade Date	Net Buys/Sells				
Participants	Relation	Transaction Type	Shares	Trade Price	Trade Date
11) PLANK KEVIN A	Officer	Open Market Sale	-179,988	80.3500	04/28/2015
12) PLANK KEVIN A	Officer	Open Market Sale	-11,249	80.3500	04/28/2015
13) PLANK KEVIN A	Officer	Open Market Sale	-11,249	80.3500	04/28/2015
14) PLANK KEVIN A	Officer	Open Market Sale	-70,012	80.7900	04/28/2015
15) PLANK KEVIN A	Officer	Open Market Sale	-4,376	80.7900	04/28/2015
16) PLANK KEVIN A	Officer	Open Market Sale	-4,376	80.7900	04/28/2015

Analyst Ratings

ANR <GO> provides a list of the largest analysts on the street recommendations, price targets, total return rankings etc.

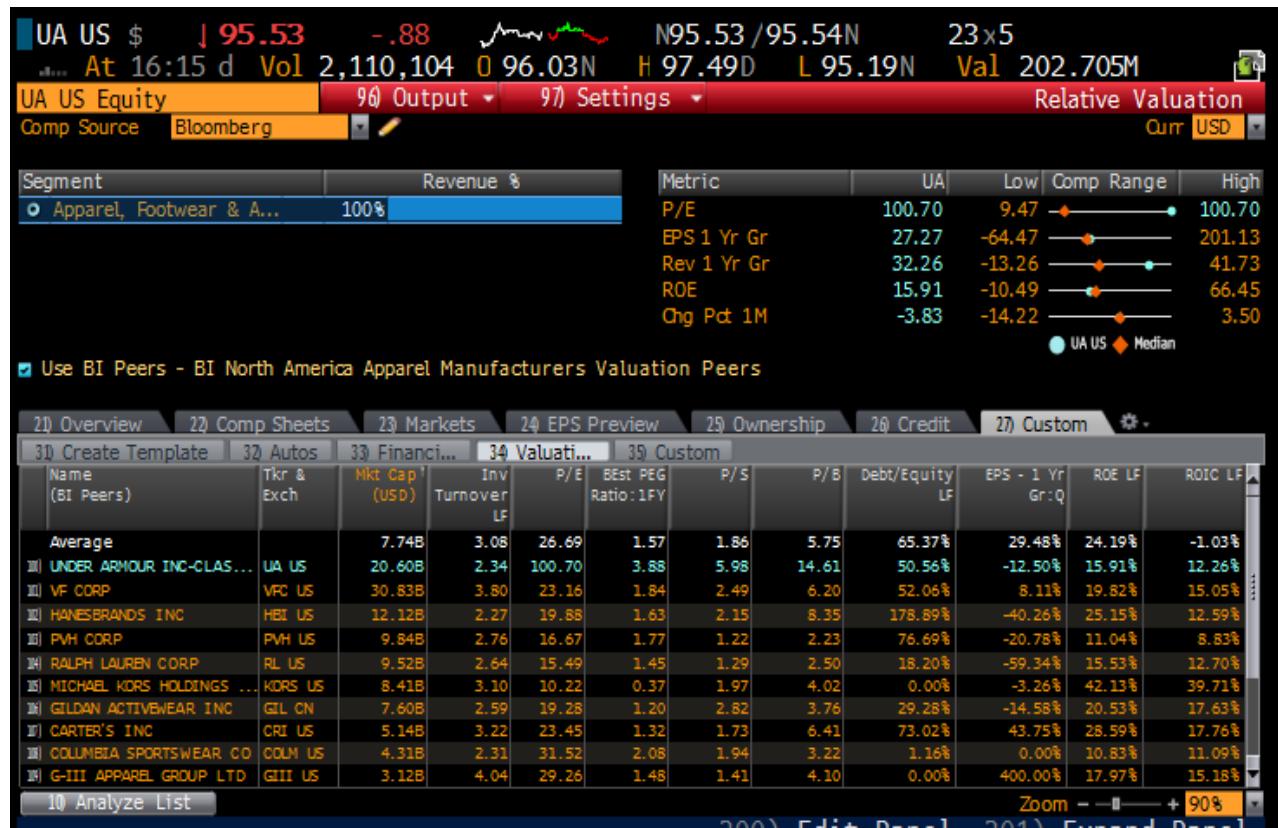


Other Advanced Functions

- **WACC**-Weighted Average Cost of Capital
- **DDIS**- Debt Distribution
- **CAST**- Capital Structure

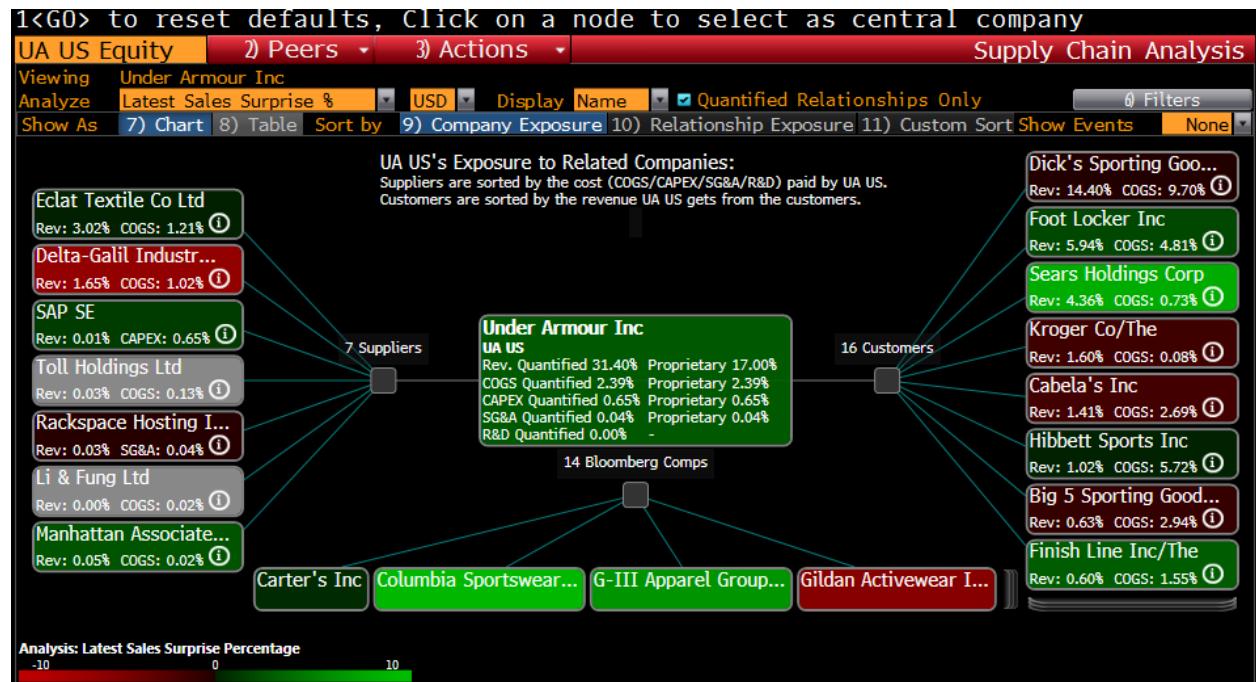
RV- Relative Valuation

RV<GO> One of the most widely used functions for analyst to compare industry leaders. RV is a powerful function that can be easily customized to the user preferred metrics. The following screen is an RV screen that compares common valuation metric such as P/E Ratio, Debt/Equity, and ROE etc. The top line includes an average of all the companies listed. This allows the user to early compare specific stocks to the industry averages.



Supply Chain Analysis

SPLC <GO> is another widely used fundamental Bloomberg function that shows a company's Suppliers and Customers. The Revenue and Cost feature under each **supplier** represents the Revenue and Cost incurred from the listed stock. The Revenue and Cost incurred under each customer implies the Revenue and Cost that the listed company (UA) receives from that customer. This is one of if not the best functions within Bloomberg to view what other companies that a company utilizes and their exposure to each one.



*Click on any company other than the main one viewed will easily change to that company's supply chain.

Peer Product Correlation

PPC<GO> enable the user to determine revenue-derived industry classifications.

The following is a list of Under Armour and competitors under *Sports Apparel*. You can easily see that 74% of Under Armour's total revenue comes from Sports Apparel while Nike has 28% of revenue from Sports Apparel.

The screenshot shows the Company Classification Browser interface. The top navigation bar includes 'UA US Equity', 'Classification BICS', 'Currency USD', 'Settings', 'Actions', and 'Company Classification Browser'. The 'Selected Industry' dropdown is set to 'Sports Apparel'. The main area displays a hierarchy of industries on the left and aggregate statistics on the right. A blue arrow points from the left side of the hierarchy tree towards the 'Athletic Footwear' node.

Hierarchy	Rev	% Rev
Consumer Discretionary		
Apparel & Textile Prod...		
Apparel, Footwear & ...		
Footwear Design		
Athletic Footwear	430.99M	13.97
Sporting & Athletic...		
Sports Apparel	2.29B	74.29
Athletic Accesso...	275.43M	8.93
Apparel Brand Lice...	86.44M	2.80

Aggregate Statistics	Value	Count
Total Market Cap	172.07B	24
Price/Earnings	31.54	23
Total Revenue	74.63B	28
Industry Revenue	17.32B	21
Industry Rev. 1YR Growth	5.35%	19

On the right, a list of public member companies is shown, filtered by 'Athletic Footwear'. A blue arrow points from the right side of the company list back towards the 'Athletic Footwear' node in the hierarchy tree.

Clicking on Athletic footwear shows that Under Armour only has 13.97% revenue in footwear compared to Nike's 66.16%

The screenshot shows the Company Classification Browser interface, similar to the previous one but with a different selected industry. The top navigation bar includes 'UA US Equity', 'Classification BICS', 'Currency USD', 'Settings', 'Actions', and 'Company Classification Browser'. The 'Selected Industry' dropdown is now set to 'Athletic Footwear'. The main area displays a hierarchy of industries on the left and aggregate statistics on the right. A blue arrow points from the left side of the hierarchy tree towards the 'Athletic Footwear' node.

Hierarchy	Rev	% Rev
Consumer Discretionary		
Apparel & Textile Prod...		
Apparel, Footwear & ...		
Footwear Design		
Athletic Footwear	430.99M	13.97
Sporting & Athletic...		
Sports Apparel	2.29B	74.29
Athletic Accesso...	275.43M	8.93
Apparel Brand Lice...	86.44M	2.80

Aggregate Statistics	Value	Count
Total Market Cap	160.64B	33
Price/Earnings	28.73	32
Total Revenue	72.72B	40
Industry Revenue	37.84B	29
Industry Rev. 1YR Growth	9.08%	28

On the right, a list of public member companies is shown, filtered by 'Athletic Footwear'. A blue arrow points from the right side of the company list back towards the 'Athletic Footwear' node in the hierarchy tree.

Technical Analysis

Bloomberg has many different technical indicators that the user can input into charts. The main page to study different technical studies is

TECH<GO>

The screenshot shows the Bloomberg Technical Study Browser interface. At the top, there are tabs for 'Create Study' and 'SDK & Docs'. Below that is a search bar labeled 'Find a Study by title or keyword' with a 'Clear' button. On the left, a sidebar titled 'Tags' lists categories like 'All standard studies (93)', 'Popular (14)', 'New (14)', 'Bloomberg (10)', 'Momentum/Oscillators (33)', 'Moving Avgs/Bands (34)', 'Patterns (8)', 'Statistical (20)', 'Support Resistance (15)', 'Trend Analysis (17)', '3rd Party Studies (169)', and 'User Defined'. The main content area displays a list of popular studies under the heading 'Popular (14)'. The 'Bollinger Bands' study is highlighted, showing its run name 'BOLL' and a detailed description: 'Bollinger Bands, developed by John Bollinger, are defined using the standard deviation from a simple moving average, an excellent measure of price volatility. The study plots lines above and below the moving average at a specified number of standard deviations. This study is used to identify periods of high and low volatility, as well as periods ..'. Below the description are links to 'Moving Avgs/Bands' and 'Trend Analysis', and buttons for 'Historical' and 'Intraday' data, along with an 'Edit Defaults' option.

To view a quick chart of a particular stock use

GP<GO> - Graph Pricing

This will show a default chart with line charts, candlesticks, etc. while also displaying volume. This can be changed from a 1 minute chart to as high as a yearly chart.



A better way to view a chart is to create your own. This allows the user to input different technical studies that he/she prefers.

Use the following steps to create a personalized chart.

How to create a customized chart

Bloomberg enables the user to create as many custom-made charts. The following step are an example of how to make your own custom chart

- 1.) Type in upper right hand corner where blue light is blinking. **G<GO>**
 - You will see a list of already defaulted charts, this is your chart library.
- 2.) Click on **Create Graph**

1<Go> to Create New Chart.						
1) Create Graph	2) Actions	3) Bulk Mode	Page 1/1 Graph Library			
View	G #	Graph Title	Type	Last Viewed	Sec Cnt	Period
11) My Graphs	31) G 2	Main Chart	Standard	8/31/2015	1	Monthly
	32) G 3	SPX	Standard	3/4/2015	1	Daily
	33) G 4	WTI	Standard	3/13/2015	1	Daily
	34) G 21	Candle Chart	Standard	8/27/2015	1	Daily
	35) G 24	Launchpad Watchlist	Standard	8/28/2015	2	Daily
	36) G 31	Candle Chart	Standard	4/7/2015	1	Daily
	37) G 33	Graph 24	Standard	8/28/2015	2	Daily
	38) G 34	Graph 34	Standard	3/4/2015	1	Daily
	39) G 35	Graph 35	Standard	3/4/2015	1	Daily
	40) G 37	Graph 37	Standard	3/13/2015	1	Daily
	41) G 38	Graph 38	Standard	3/13/2015	1	Daily
	42) G 40	Test	Standard	3/25/2015	1	Monthly
	43) G 41	Graph 41	Standard	3/27/2015	1	Weekly
	44) G 42	Graph 42	Standard	3/30/2015	1	Daily
	45) G 43	Graph 43	Standard	3/31/2015	1	Monthly
	46) G 44	hsi	Standard	4/8/2015	1	Daily

- 3.) For this example click on **Standard Chart -> Next**



For this example type in SPX and choose the SP500 index.



4.) Select Studies. For this example check off

- Simple Moving Average
 - Relative Strength Index
 - Moving Average Convergence/Divergence

5.) The Click Add Study and type in SMA(Moving Average) 2x



6.) Click Themes and choose the background color that you want.



- 7.) Next Title the Chart. The example here is titled Graph 53, therefore the function will be
G53. Open Chart



The following chart should appear. Notice that there are 3 moving averages of 50 Days. The most common are 50/100/200 day moving averages. They are also the same color which is hard to distinguish. To change color, Right Click on the first EMA and change and select **Edit Color and Style**



Click on Green Box and select another color other than green. Follow this step again for the 3rd Simple Moving Average.



To Change the Time period of moving average

- Click on Security study.
- Find the 3 simple moving averages
- Click the pencil next to each and change the period to whatever you prefer. We will stick with 50/100/200 day for this example.
- You can also check the volume field to add if you prefer.



The new updated chart should look like this. Notice the three separate Simple Moving Averages. The other studies in *Relative Strength Index*, a measure of momentum and *MACD*- a measure of moving averages. Descriptions of these studies can all be see under the **TECH<GO>** function. Click Annotate to show trend line drawing, percentage retracement and other additional functions.



Click on Security/Study, the user can add a security to compare to the listed security. This can be anything- a competitor, commodity, etc. Checking the flag allows the user to show corporate events, news, earnings announcements etc. onto the chart. The below is a chart of *Under Armour* with Earnings Announcements checked off.



User can customize the date range and time period for every chart. From as small as 1 minute to as large as 1 year. The 5min, daily, weekly and monthly are the most widely used time periods.



Fixed Income Functions

The Bloomberg Fixed income functions include the following

- **F2-** Government Bonds/Treasuries
- **F3-** Corporate Bonds
- **F4-** Mortgage Bonds
- **F6-** Municipal Bonds

F3<GO> displays the menu for all major corporate bond functions



The main go to screen when looking at the big picture of bond markets is similar to the WEI function for Equities and GLCO for Commodities

WB<GO> World Bond Markets allows you to monitor and chart sovereign (government) bond yields, spreads and historical performance on one screen. WB enables the user to view bonds from all countries; It is broken down by the Americas, Europe, and Asia/Pacific.

Regional		97) Settings		World Bond Markets											
91) Bonds		92) Spreads		93) Curves		Trading Mode				Data Range				3 Months	
Maturity	10 Year	CMI	Security	Bid	Ask	Yield	Yld Chg	Yield	Low	Range	High	3M Chg	Avg	Now	
1) Americas															
10) United States		T 2	08/15/25	98-17	/ 98-17+	2.163	-2.1		2.003		2.484	-20.1			
11) Canada		CAN2	1 1/2 06/25	107.105	/ 107.155	1.458	+.9		1.256		1.900	-31.6			
12) Brazil (USD)		BRAZIL4	1 1/2 25	90.925	/ 91.215	5.464	-3.1		4.484		5.495	+89.9			
13) Colombia (USD)		COLOM 4	02/24	96.865	/ 97.330	4.381	+.5		3.942		4.533	+51.4			
14) Mexico (USD)		MEX 3.6	01/25	98.230	/ 98.650	3.772	-1.9		3.594		4.010	+9.6			
2) EMEA															
20) United Kingdom		UKT2	09/07/25	100.880	/ 100.890	1.902	-2.1		1.690		2.186	-17.6			
21) France		FRTR 0	1 1/2 25	94.825	/ 94.850	1.061	-6.7		.923		1.309	-10.5			
22) Germany		DBR1	08/15/25	102.640	/ 102.660	0.722	-5.8		.562		.978	-15.8			
23) Italy		BTPS 1 1/2 25		96.425	/ 96.460	1.909	-7.3		1.757		2.383	-26.6			
24) Spain		SPGB 2.15 25		100.570	/ 100.620	2.082	-3.9		1.831		2.400	-4.3			
25) Portugal		PGB2 7/8 10/25		102.745	/ 102.925	2.543	-11.5		2.315		3.217	-29.7			
26) Sweden		SGB2 1 1/2 05/25		116.667	/ 116.932	0.686	-3.5		.487		1.064	-27.7			
27) Netherlands		NETHERO 1 1/4 25		93.745	/ 93.780	0.913	-6.2		.775		1.180	-13.6			
28) Switzerland		SWISS 1 1/2 25		115.995	/ 116.480	-0.154	-1.2		-.251		.199	-17.1			
29) Greece		GGB3 02/24/25		65.500	/ 67.205	8.718	-28.3		8.712		18.180	-161.9			
3) Asia/Pacific															
30) Japan		JGB 0.4 09/25		99.990	/ 100.086	c	0.391	+.6	.338		.525	-6.2			
31) Australia		ACGB 3 1/4 25		104.707	/ 104.794	c	2.681	-.4	2.492		3.145	-20.7			
32) New Zealand		NZGB 4 1/2 27		111.377	/ 111.841	c	3.266	+3.5	3.123		3.925	-45.3			
33) South Korea		NDFB 2 1/4 25		100.112	/ 100.252	c	2.281	+1.3	2.190		2.550	-15.4			

Clicking on any one country will show the user more detailed information about bond benchmarks, curves, etc.



BTMM<GO> Treasury and Money Markets displays all major rates , securities, and economic releases for a selected country, This also gives an informative and comprehensive overview of interest rate changes, trends etc. Fed Funds rate, US T-Bills, Commercial Paper, 10yr Note along with upcoming economic release.

9) Change Country			12:05:23				Treasury & Money Markets: United States				
1) Fed Funds(FOMC)		09:36	US T-Bill		EURO\$DEP		Reverse (Bid)		Repo (Ask)		
BID/ASK	0.1400	0.1500	4W	0.00	-0.01	0.01	0.00	0/N	0.18	0.15	
LST/OPEN	0.1400	0.1400	3M	0.02	+0.01	0.02	0.02	1W	0.20	0.16	
HIGH/LOW	0.2300	0.1200	6M	0.23	-0.01	0.24	0.23	2W	0.25	0.23	
8AM EFF	0.1340	8:01	1Y	0.34	-0.01	0.34	0.33	1M	0.35	0.33	
Dow Jones			S&P 500 Future								
DJIA	16490.01	+138.63	SPX Future	1961.80	+14.70						
2) US Bonds (F1T)			NASDAQ Composite Index								
T 0 ^b 08/31/17	0.696	99-27 ¹ ₄	99-27+	+ 00 ³ ₄		CCMP	4776.72	+26.74	CRB Commodity Index		
T 1 08/15/18	0.992	100-00+	100-00 ³ ₄	+ 02		Comm Paper	90D EUR\$ FUT		CRB	198.75	+1.98
T 1 ³ 08/31/20	1.483	99-15 ¹ ₄	99-15+	+ 04		15D	0.148	SEP 99.6500	Funds Future		
T 1 ⁷ 08/31/22	1.882	99-30	99-30+	+ 05+		30D	0.169	DEC 99.5350	3) LIBOR Fix		
T 2 08/15/25	2.163	98-17	98-17+	+ 06		60D	0.221	MAR 99.4150	SEP	99.830	0/N 0.13300
T 2 ⁷ 08/15/45	2.937	98-23+	98-24+	+ 10+		90D	0.283	JUN 99.2650	OCT	99.800	1W 0.15550
4) Spot FOREX (FXC)			120D	0.348	SEP 99.0850	120D	0.474	DEC 98.8950	NOV	99.760	1M 0.20280
JPY	120.2170	Prime	3Y	1.1274		180D	0.474		DEC	99.720	2M 0.27100
EUR	1.1106	BLR	5Y	1.5804					JAN	99.695	3M 0.33250
GBP	1.5248	FDTR	0.25	2.2225					FEB	99.660	6M 0.53925
CHF	0.9766	Discount	0.75	30Y	2.7000					1Y 0.85430	
CAD	1.3200					10Y Note Future					
30) Economic Releases (ECO)			CBT	127-11+	+ 06+	CBT	127-11+	+ 06+	5) 30Y MBS (BBTM)		
Date Time			Event			Commodities			GNMA	3.5	104-05
31) 09/03 07:30	A	M	R	Challenger Job Cuts YoY		NYM WTI	47.02	+0.77	GOLD	3.5	103-19
32) 09/03 08:30				Initial Jobless Claims		GOLD	1124.22	-9.86	FNMA	3.5	103-27
33) 09/03 08:30				Continuing Claims							103-28 +0.03
34) 09/03 08:30				Trade Balance							

Clicking on Fed Funds or typing **FOMC <GO>** displays previous announcements, headlines, and other related information about the Federal Reserve. This move of the markets are heavily influenced by the Federal Reserve, this is a very useful screen to monitor Fed activities.

FOMC Announcement Dates						
Calendar						2015
	Announcement Date	Time	Rate (%)	For	Against	Policy Concern
1)	January 28	14:00	0 - 0.25	10	0	Growth
2)	March 18	14:00	0 - 0.25	10	0	Growth
3)	April 29	14:00	0 - 0.25	10	0	Growth
4)	June 17	14:00	0 - 0.25	10	0	Growth
5)	July 29	14:00	0 - 0.25	10	0	Growth
6)	September 17	14:00	--	--	--	--
7)	October 28	14:00	--	--	--	--
8)	December 16	14:00	--	--	--	--

SECF<GO>- Security finder is a filtering systems that is not only effective for Bonds markets but for any securities in the Bloomberg Universe of Securities. This screen enables the user to search a specific company and if they have any bonds issued, maturity ratings, etc. Below is an example of bonds issued by General Motors. The arrows indicate the navigation to find these particular bonds.

The screenshot shows the Bloomberg Security Finder interface for General Motors (GM). A blue arrow points from the 'Corporate Bond tab' to the 'Excluded (23) Matured/Called, Non-Verified Bonds' section. A callout box labeled 'Click Fixed Income (FI) tab' has a blue arrow pointing to the 'FI' tab in the top navigation bar. Another callout box labeled 'Insert ticker symbol' has a blue arrow pointing to the 'Ticker' column where 'GM' is entered.

R	Issuer Name	Ticker	Coupon	Maturity	Series	BB Rtg	Mty Type	Announce	Curr	Ask Px	Source
1)	General Motors Fina...	GM	2.750	05/15/2016		BB+	BULLET	12/23/2013	USD	101.100	TRAC
2)	General Motors Fina...	GM	2.750	05/15/2016	144A	BB+	BULLET	05/07/2013	USD	101.000	BVAL
3)	General Motors Fina...	GM	2.750	05/15/2016	REGS	BB+	BULLET	05/07/2013	USD	101.000	BVAL
4)	General Motors Fina...	GM	3.250	05/30/2017		BB+	BULLET	05/27/2014	CAD	101.702	BGN
5)	General Motors Fina...	GM	2.625	07/10/2017		BB+	BULLET	07/07/2014	USD	100.398	TRAC
6)	General Motors Fina...	GM	4.750	08/15/2017		BB+	BULLET	12/23/2013	USD	103.816	TRAC
7)	General Motors Fina...	GM	4.750	08/15/2017	144A	BB+	BULLET	08/13/2012	USD	104.000	BVAL
8)	General Motors Fina...	GM	4.750	08/15/2017	REGS	BB+	BULLET	08/13/2012	USD	104.000	BVAL
9)	General Motors Fina...	GM	3.000	09/25/2017		BB+	BULLET	09/22/2014	USD	101.594	TRAC
10)	General Motors Fina...	GM	3.250	02/23/2018	EMTN	BB+	BULLET	02/17/2015	EUR	99.612	BGN
11)	General Motors Fina...	GM	4.000	04/10/2018		BB+	BULLET	04/07/2015	USD	98.830	TRAC
12)	General Motors Fina...	GM	4.000	04/10/2018		BB+	BULLET	04/07/2015	USD	100.550	TRAC
13)	General Motors Fina...	GM	4.000	05/15/2018		BB+	BULLET	12/23/2013	USD	100.938	TRAC
14)	General Motors Fina...	GM	3.250	05/15/2018	REGS	BB+	BULLET	05/07/2013	USD	100.875	BVAL
15)	General Motors Fina...	GM	3.250	05/15/2018	144A	BB+	BULLET	05/07/2013	USD	100.875	BVAL
16)	General Motors Fina...	GM	6.750	06/01/2018		BB+	BULLET	01/23/2012	USD	109.606	TRAC
17)	General Motors Fina...	GM	6.750	06/01/2018	REGS	BB+	BULLET	05/26/2011	USD	110.250	BVAL
18)	General Motors Fina...	GM	6.750	06/01/2018	144A	BB+	BULLET	05/26/2011	USD	110.250	BVAL
19)	General Motors Co	GM	3.500	10/02/2018		BB+	BULLET	06/20/2014	USD	101.528	TRAC

Clicking on the first bond brings all information on this particular bond

The screenshot shows the Bloomberg Pricing info interface for GM's bond. A blue arrow points from the 'Pricing info' callout box to the bond details at the top: 'GM 2 3/4 05/15/16 \$1101.100 +.035 42.5 bp vs T 0.625 08/31/2017 As of 02 Sep Vol 700.0M Source TRAC'. Another blue arrow points from the 'Click DES' callout box to the 'Security Finder' menu item in the top right corner.

Click DES- Description. This gives all relevant information about the particular bond selected.
The DES screen is a great Launchpad to links to other Bloomberg functions.

GEN MOTORS FIN GM 2 3/4 05/15/16 101.100/101.100 (1.128/1.128) TRAC

GM 2 3/4 05/15/16 Corp

Page 1/11 Description: Bond

21) Bond Description 22) Issuer Description

Pages	Issuer Information	Identifiers
1) Bond Info	Name GENERAL MOTORS FINL CO	ID Number EK0024290
2) Addtl Info	Industry Automobiles Manufacturing	CUSIP 37045XAG1
3) Covenants		ISIN US37045XAG16
4) Guarantors		
5) Bond Ratings		
6) Identifiers		
7) Exchanges		
8) Inv Parties		
9) Fees, Restrict		
10) Schedules		
11) Coupons		
Quick Links	Security Information	Bond Ratings
32) ALLQ Pricing	Mkt Iss Global	Moody's Ba1
33) QRD Quote Recap	Country US	S&P BBB-
34) TDH Trade Hist	Rank Sr Unsecured	Fitch BBB-
35) CACS Corp Action	Coupon 2.75	DBRS BBBL
36) CF Prospectus	Cpn Freq S/A	
37) CN Sec News	Day Cnt 30/360	
38) HDS Holders	Maturity 05/15/2016	Issuance & Trading
39) VPRD Underly Info	MAKE WHOLE @50 until 05/15/16/BULLET	Amt Issued/Outstanding
66) Send Bond	Iss Sprd	USD 999,646.00 (M) /
	Calc Type (1)STREET CONVENTION	USD 999,646.00 (M)
	Announcement Date 12/23/2013	Min Piece/Increment
	Interest Accrual Date 11/15/2013	2,000.00 / 1,000.00
	1st Settle Date 01/31/2014	Par Amount 1,000.00
	1st Coupon Date 05/15/2014	Book Runner
	CALL@ MAKE-WHOLE +50 BPS UNTIL 5/15/16. ISS'D IN EXCH OF 144A/REGS SEC; SEE CUSIP	Reporting TRACE
	37045XAF3/ISIN USU37047AC89.	

YAS <GO> Yield and spread analysis allows the user to price and graph a fixed income security.

Bond Matures on a SUNDAY

GM 2 3/4 05/15/16 Corp

101.100/101.100 1.128/1.128 TRAC @ 09/02

Yield and Spread Analysis

1) Yield & Spread 2) Graphs 3) Pricing 4) Description 5) Custom

GM 2 3/4 05/15/16 (37045XAG1)

Spread 43.19 bp vs 2y T 0 5/8 08/31/17	Risk	Workout OAS
Price 101.1	Mod Dur 0.673	0.671
Yield 1.128172 Wst 0.696309 S/A	Dur 0.686	0.685
Wkout 05/15/2016 @ 100.00 Consensus Yld 6.6	Risk 0.008	0.008
Settle 09/09/15 09/04/15	Convexity DV 01 on 1MM 68.61	68.45
	Benchmark Risk 1.970	1.976
	Risk Hedge 348 M	346M
	Proceeds Hedge 1,021 M	
Spreads	Yield Calculations	Invoice
11) G-Sprd 85.2	Street Convention 1.128172	Face 1,000 M
12) I-Sprd 68.2	Equiv 1 /Yr 1.131354	Principal 1,011,000.00
13) Basis -4.7	Mmkt (Act/ 360) 1.111223	Accrued (114 Days) 8,708.33
14) Z-Sprd 68.5	True Yield 1.123546	Total (USD) 1,019,708.33
15) ASW 68.3	Current Yield 2.720	
16) OAS 86.5		
17) TED -68.1		
After Tax (Inc 43.400% CG 23.800%)	0.326426	

TOP BON <GO> gives all relevant bond news including sovereign bonds, municipals, corporates, etc. These can also be filtered.

The screenshot shows a web-based news aggregator with a dark-themed interface. At the top, there's a red header bar with links for 'Search News', 'Sources', 'Display & Edit', 'Custom Searches', 'Page 1/5', 'Top News', 'Sort', 'Top Ranked', and 'Translate To...'. Below the header, a search bar displays 'Bonds' and the placeholder ''. On the right side of the header are icons for social media sharing (Twitter, LinkedIn, Facebook) and a magnifying glass. The main content area lists 20 news items, each with a number, a headline, and a timestamp. The headlines cover various global bond markets and economic events, such as the Fed's policy, ECB forecasts, and central bank hiring. The timestamps range from 00:00 to 12:34.

Rank	Headline	Source	Time
1)	September or Not, Market Says Fed's One-and-Done Until Late 2016	BN	11:02 B
2)	Treasuries Gain as ECB Cuts Economic Forecasts, Revamps Stimulus	BN	12:34
3)	Draghi Unveils Revamped QE Program as ECB Downgrades Outlook	BN	11:28
4)	Brazil Cancels Local Debt Auction for First Time in 19 Months	BN	10:05
5)	Sao Paulo Trails Los Angeles in Handling Drought, Moody's Says	BN	11:38
6)	Portugal's Bonds Lead Gains as ECB Raises QE Asset-Buying Limit	BN	11:20
7)	ECB Bond-Buying Tweak Is Less Than Meets the Eye, ABN Amro Says	BN	11:13 B
8)	Puerto Rico Rally Hints at Acceptance of Wider Restructuring	BN	09:25 B
9)	Banks Brace for European Crackdown on Corporate-Bond Allocations	BN	06:08 B
10)	Nomura Said Facing Exodus From Latin America Debt Team in N.Y.	BN	10:28 B
11)	ECB Is Said to Seek \$725 Million of Dutch, Irish Mortgage Debt	BN	04:01 B
12)	Lloyds Trader Fired Over Libor Rigging Sues for Unfair Dismissal	BN	05:53 B
13)	Evercore, Rothschild Hiring for Brazil Debt-Restructuring Wave	BN	09:26 B
14)	Rupee Volatility Drops to 3-Week Low on Stability Expectations	BN	08:00
15)	Israeli Investors Shed Linkers as Government Weighs Tax Cuts	BN	10:49 B
16)	Argentina's \$77 Oil Anomaly Boosts Appeal of Crude-Backed Bonds	BN	11:16 B
17)	Venezuela Leader Hooked on China Cash Spurs 9,000-Mile Journey	BN	11:00 B
18)	Those Inflation Targets Keep Getting Harder to Hit	BN	06:00
19)	ECB CHECKLIST: What Draghi Said on QE, Market Volatility, Greece	BFW	10:11
20)	India Rate Cut Now a Question of When, Not If, For Rajan	BN	00:00 B

Economic Functions

Economic Calendar

ECO<GO>- displays upcoming economic numbers, events, releases, government auctions etc.
Releases including areas such as Inflation, Housing, and Employment numbers etc.

The screenshot shows the ECO<GO> software interface for the Economic Calendars feature. The top menu bar includes '1) Calendars', '2) Settings', '3) Alerts', '4) Export', 'United States' (selected), 'Browse', and the current time '10:24:46'. The main window title is 'Economic Calendars' with the date range '09/02/15 - 09/09/15'. Below this, there are three tabs: 'View', 'Agenda' (selected), and 'Weekly'. The data table lists 39 economic releases, each with a unique ID, date, time, AM/PM indicator, event name, period, survey month (Surv(M)), actual value, prior value, and revised value. Notable entries include 'MBA Mortgage Applications' on 09/02 at 07:00, 'ADP Employment Change' at 08:15, and various PMI and consumer confidence reports throughout the week.

Date	Time	AM	R	Event	Period	Surv(M)	Actual	Prior	Revised
21) 09/02	07:00			MBA Mortgage Applications	Aug 28	--	11.3%	0.2%	--
22) 09/02	08:15			ADP Employment Change	Aug	200K	190K	185K	177K
23) 09/02	08:30			Nonfarm Productivity	2Q F	2.8%	3.3%	1.3%	--
24) 09/02	08:30			Unit Labor Costs	2Q F	-1.2%	-1.4%	0.5%	--
25) 09/02	09:45			ISM New York	Aug	--	51.1	68.8	--
26) 09/02	10:00			Factory Orders	Jul	0.9%	0.4%	1.8%	2.2%
27) 09/02	10:00			Factory Orders Ex Trans	Jul	--	-0.6%	0.5%	0.6%
28) 09/02	14:00			U.S. Federal Reserve Releases Beige Book					
29) 09/03	07:30			Challenger Job Cuts YoY	Aug	--	--	125.4%	--
30) 09/03	08:30			Initial Jobless Claims	Aug 29	275K	--	271K	--
31) 09/03	08:30			Continuing Claims	Aug 22	2255K	--	2269K	--
32) 09/03	08:30			Trade Balance	Jul	-\$42.20B	--	-\$43.84B	--
33) 09/03	09:45			Markit US Composite PMI	Aug F	--	--	55.0	--
34) 09/03	09:45			Markit US Services PMI	Aug F	55.0	--	55.2	--
35) 09/03	09:45			Bloomberg Consumer Comfort	Aug 30	--	--	42.0	--
36) 09/03	10:00			ISM Non-Manf. Composite	Aug	58.2	--	60.3	--
37) 09/04	08:30			Change in Nonfarm Payrolls	Aug	218K	--	215K	--
38) 09/04	08:30			Two-Month Payroll Net Revision	Aug	--	--	--	--
39) 09/04	08:30			Change in Private Payrolls	Aug	205K	--	210K	--

User can also add a custom calendar to only include a certain type of Economic event.

- 1.) Click **Calendar** and **Add new custom calendar**.

The screenshot shows the ECO<GO> software interface for the Economic Calendars feature. The top menu bar includes '1) Calendars', '2) Settings', '3) Alerts', '4) Export', 'United States' (selected), 'Browse', and the current time '10:28:25'. A large blue arrow points to the 'Custom' tab in the top navigation bar. The main window title is 'Economic Calendars' with the date range '09/02/15 - 09/09/15'. Below this, there are three tabs: 'View', 'Agenda' (selected), and 'Custom' (highlighted by the arrow). The data table lists 39 economic releases, identical to the previous screenshot. The table columns are Date, Time, AM, R, Event, Period, Surv(M), Actual, Prior, and Revised.

Date	Time	AM	R	Event	Period	Surv(M)	Actual	Prior	Revised
21) 09/02	07:00			MBA Mortgage Applications	Aug 28	--	11.3%	0.2%	--
22) 09/02	08:15			ADP Employment Change	Aug	200K	190K	185K	177K
23) 09/02	08:30			Nonfarm Productivity	2Q F	2.8%	3.3%	1.3%	--
24) 09/02	08:30			Unit Labor Costs	2Q F	-1.2%	-1.4%	0.5%	--
25) 09/02	09:45			ISM New York	Aug	--	51.1	68.8	--
26) 09/02	10:00			Factory Orders	Jul	0.9%	0.4%	1.8%	2.2%
27) 09/02	10:00			Factory Orders Ex Trans	Jul	--	-0.6%	0.5%	0.6%
28) 09/02	14:00			U.S. Federal Reserve Releases Beige Book					
29) 09/03	07:30			Challenger Job Cuts YoY	Aug	--	--	125.4%	--
30) 09/03	08:30			Initial Jobless Claims	Aug 29	275K	--	271K	--
31) 09/03	08:30			Continuing Claims	Aug 22	2255K	--	2269K	--
32) 09/03	08:30			Trade Balance	Jul	-\$42.20B	--	-\$43.84B	--
33) 09/03	09:45			Markit US Composite PMI	Aug F	--	--	55.0	--
34) 09/03	09:45			Markit US Services PMI	Aug F	55.0	--	55.2	--
35) 09/03	09:45			Bloomberg Consumer Comfort	Aug 30	--	--	42.0	--
36) 09/03	10:00			ISM Non-Manf. Composite	Aug	58.2	--	60.3	--
37) 09/04	08:30			Change in Nonfarm Payrolls	Aug	218K	--	215K	--
38) 09/04	08:30			Two-Month Payroll Net Revision	Aug	--	--	--	--
39) 09/04	08:30			Change in Private Payrolls	Aug	205K	--	210K	--

For this example we are inputting a calendar for releases on Inflation data

Add New Custom Calendar

Calendar Name **Inflation**

Select countries and event types to include in or exclude from your custom calendar.

Region/Country	Event Type	Event Subtype	Exclude
United States	Economic Releases	Prices	3) Add Row

Excluded Indicators 0 **4) Exclude Indicators**

<Enter an indicator> Add specific indicators to include in this Custom Calendar.

Included Indicator	Ticker	Country

1) Save **Close**

Click Calendar and find the name of the calendar you just created. Below you will see Inflation releases such as PPI, CPI etc. You can create as many calendars as you would like. (If you do not see any releases you may have to change date range on top right hand part of the page.)

Calendars · Settings · Alerts · Export · Economic Calendars

<Enter a region> Browse 10:35:08

(Custom) (Custom) Inflation 09/02/15 - 10/02/15

View Agenda Weekly

Date	Time	C	A	M	R	Event	Period	Surv(M)	Actual	Prior	Revised
21)	09/11	08:30	US			PPI Final Demand MoM	Aug	-0.1%	--	0.2%	--
22)	09/11	08:30	US			PPI Ex Food and Energy MoM	Aug	0.1%	--	0.3%	--
23)	09/11	08:30	US			PPI Final Demand YoY	Aug	--	--	-0.8%	--
24)	09/11	08:30	US			PPI Ex Food and Energy YoY	Aug	--	--	0.6%	--
25)	09/16	08:30	US			CPI MoM	Aug	--	--	0.1%	--
26)	09/16	08:30	US			CPI Ex Food and Energy MoM	Aug	--	--	0.1%	--
27)	09/16	08:30	US			CPI YoY	Aug	--	--	0.2%	--
28)	09/16	08:30	US			CPI Ex Food and Energy YoY	Aug	--	--	1.8%	--
29)	09/16	08:30	US			CPI Index NSA	Aug	--	--	238.654	--
30)	09/16	08:30	US			CPI Core Index SA	Aug	--	--	242.513	--
31)	09/16	08:30	US			Real Avg Weekly Earnings YoY	Aug	--	--	2.2%	--
32)	09/25	08:30	US			GDP Price Index	2Q T	--	--	2.1%	--
33)	09/28	08:30	US			PCE Deflator MoM	Aug	--	--	0.1%	--
34)	09/28	08:30	US			PCE Deflator YoY	Aug	--	--	0.3%	--
35)	09/28	08:30	US			PCE Core MoM	Aug	--	--	0.1%	--
36)	09/28	08:30	US			PCE Core YoY	Aug	--	--	1.2%	--
37)	10/01	10:00	US			ISM Prices Paid	Sep	--	--	39.0	--

Economic Forecasts

ECFC<GO> allows you to display economic forecasts, so you can estimate future trends and compare forecasts for regions while reviewing spreads between different regions. Gives prior year numbers along with future forecasted numbers.



Clicking chart will graph the numbers selected

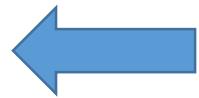
90 Chart 91 Set as Default View

Country/Region/World: United States Contributor: Browse Composite: Actual / Forecasts

Economic Forecasts ⚡ Yearly ⚡ Quarterly

Indicator	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Economic Activity										
1) Real GDP (YoY%)	-0.3	-2.8	2.5	1.6	2.2	1.5	2.4	2.3	2.7	2.5
2) Consumer Spending	-0.3	-1.6	1.9	2.3	1.5	1.7	2.7	3.0	2.8	2.6
3) Government Spending	2.8	3.2	0.1	-3.0	-1.9	-2.9	-0.6	0.4	1.0	0.9
4) Private Investment	-9.4	-21.6	12.9	5.2	10.6	4.5	5.4	4.2	4.8	4.8
5) Exports (YoY%)	5.7	-8.8	11.9	6.9	3.4	2.8	3.4	2.0	4.3	4.7
6) Imports (YoY%)	-2.6	-13.7	12.7	5.5	2.2	1.1	3.8	5.5	4.9	4.9
7) Industrial Production	-3.4	-11.2	5.6	3.0	2.9	1.9	3.7	1.9	2.9	3.0
8) Housing Starts (000s ...)	--	--	--	--	--	--	996	1115	1283	1325
Price Indices										
9) CPI (YoY%)	3.8	-0.3	1.6	3.2	2.1	1.5	1.6	0.3	2.0	2.3
10) PCE Price Index (Y...	--	--	--	--	--	--	--	0.5	1.8	2.0
News Headlines										
51) Bloomberg Consensus Forecasts Summary as of Sept. 2 (Table)	BN	06/24								
52) Bloomberg Consensus Forecasts Summary as of Sept. 1 (Table)	BN	09/01								
53) FOMC SURVEY: September Rate Hike Expectations Diminish	B	BFW 08/31								
54) First Fed Rate Hike Expectations Now Divided: Survey (Table)	B	BN 08/31								
55) Barclays Global Economic Forecasts as of Aug. 28 (Table)	BN	08/28								

Scroll through



Global Economic Matrix

ECMX<GO> allows you to analyze economic indicators for countries across a selected date, so you can research and evaluate the member counties economic health. Custom views can also be created.

G13 90 <> 91 < > 09/02/15 98 > 99 >>

Countries	Real GDP YoY		CPI YoY		Unemployment SA		Central Bank Rate	
	Value	Date	Value	Date	Value	Date	Value	Date
Australia	2.0%	06/15	1.5%	06/15	6.3%	07/15	2.00%	09/15
Belgium	1.3%	06/15	0.91%	08/15	8.50%	07/15	0.050%	07/15
Canada	0.6%	06/15	1.3%	07/15	6.80%	07/15	0.500%	09/15
China	7.0%	06/15	1.6%	07/15	--		4.60%	09/15
Germany	1.6%	06/15	0.2%	08/15	6.4%	08/15	0.050%	07/15
France	1.0%	06/15	0.2%	07/15	10.40%	07/15	0.050%	07/15
United Kingdom	2.6%	06/15	0.1%	07/15	5.6%	06/15	0.500%	09/15
Italy	0.673%	06/15	0.2%	08/15	12.00%	07/15	0.050%	07/15
Japan	0.7%	06/15	0.2%	07/15	3.3%	07/15	0.100%	04/13
Netherlands	1.6%	06/15	1.0%	07/15	7.20%	01/15	0.050%	07/15
Sweden	2.9%	06/15	-0.08%	07/15	6.50%	07/15	-0.35%	07/15
Singapore	1.8%	06/15	-0.4%	07/15	2.0%	06/15	0.08%	12/13
United States	2.7%	06/15	0.2%	07/15	5.3%	07/15	0.25%	09/15

Zoom - + 100%

Economic Statistics

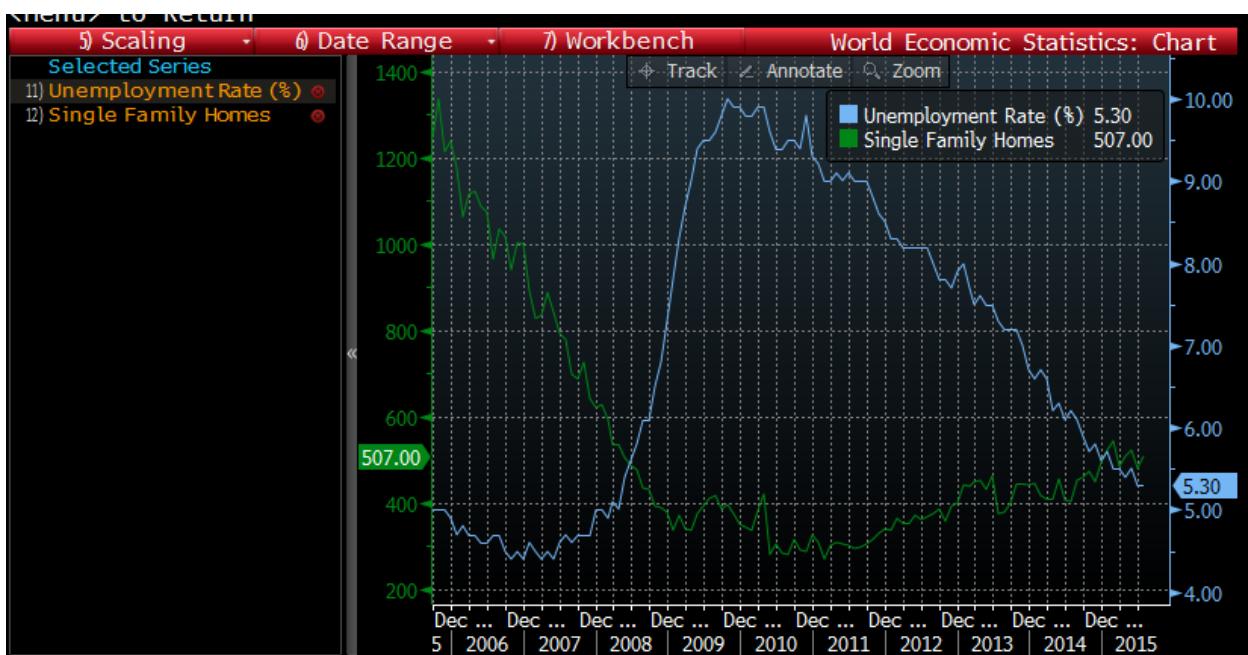
ECST<GO> provides economic data with organization and context to easily find the economic data you need.

The screenshot shows the ECST<GO> software interface. On the left, there is a navigation pane with a large blue arrow pointing right. The main area displays a table titled "World Economic Statistics" with columns for Ticker, Current Value, Current Date, Previous Value, and Previous Date. The table lists various economic indicators such as Real GDP (qoq %, saar), Personal Consumption, Private Investment, Gov't Spending, Change in Inventories, Nominal GDP (USD bn), Nominal GDP (yoy %), GDP Price Deflator, and Core PCE Deflator. The "Key Indicators" section in the navigation pane is expanded, showing categories like National Accounts, Consumer Prices, Producer Prices, Labor Market, Economic Activity, NBER Business Cycle Ind., Business Conditions, Fed Sr. Loan Officer Sur..., Leading Indicators, Leading Indicator Comp..., Housing Market, Retail Sector, Consumer Confidence, Personal Sector, External Sector, Government Sector, Monetary Sector, and Financial Sector. The "United States" tab is selected in the navigation bar.

You can easily compare two indicators with charts by selecting the Indicator and clicking to small graphing button next to it. The following chart compares Unemployment numbers to New Home Sales. Click to maximize chart.

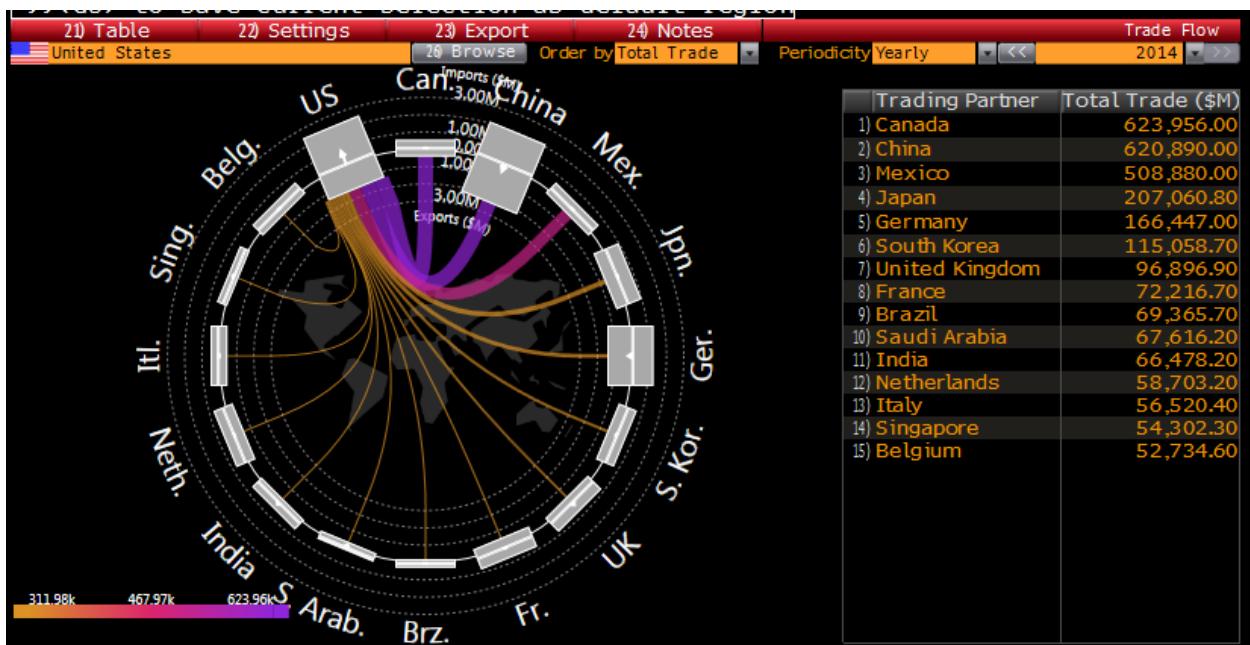


Maximized Chart...



Trade Flow (Import/Export)

ECTR<GO> provides an interactive trade flow map that allows you to see the export and import values between a selected country and its global trading partners. The following example is the United States' largest and small trading partners and total trade. Arrows on boxes indicate imports vs. exports.



Commodity Essentials

Bloomberg offers a large amount of data in the commodity industry. Commodities are broken into three main categories. The Commodity function is F9 on the Bloomberg keyboard.

- Agriculture
- Energy
- Metals and Mining

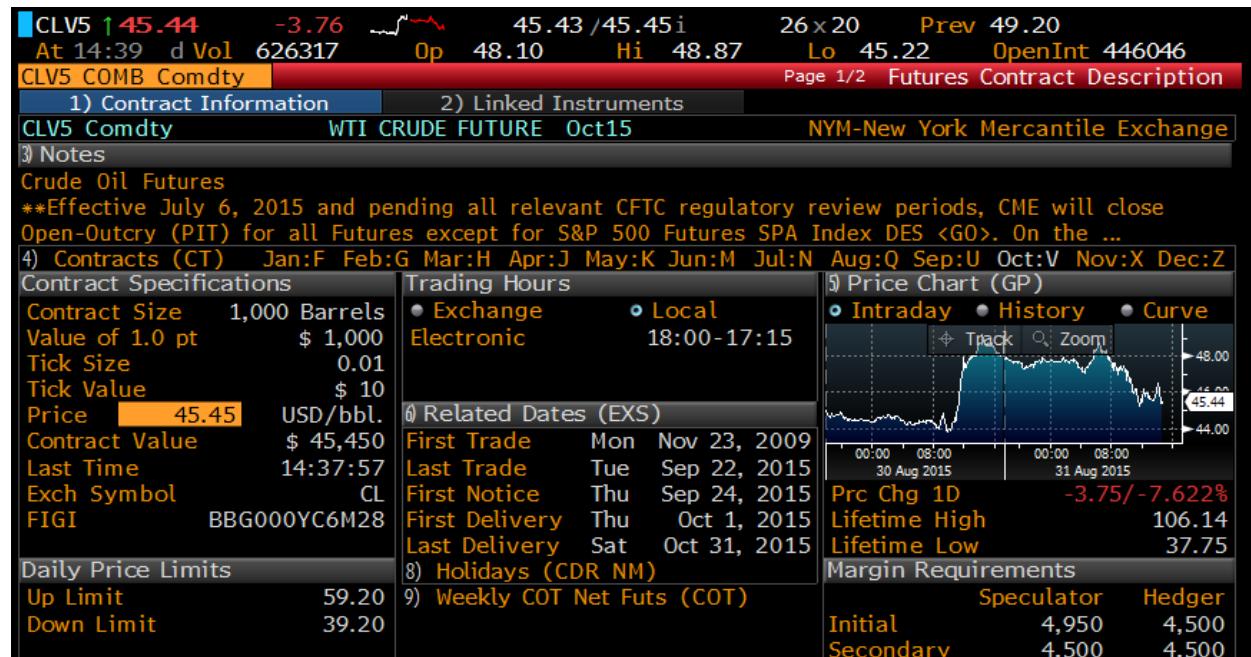
GLCO<GO> is a great starting point when finding commodity prices.

Global Commodity Prices									
	Movers	Units	AVAT vs 100d	Chg NY	Cal Sprds	Avg	Perf	%YTD	USD
1) Energy		2Day		Price	Net Chg	%Chg	Δ AVAT	Time	%YTD
10) NYMEX WTI Crude	d			46.78	-2.42	-4.92%	+86.44%	14:15	-12.18%
11) ICE Brent Crude	d			51.11	-3.04	-5.61%	+55.76%	14:15	-10.85%
12) NYMEX Gasoline	d			142.48	-7.43	-4.96%	-20.11%	14:15	+14.29%
13) NYMEX Heat Oil	d			161.20	-8.92	-5.24%	+36.96%	14:15	-9.37%
14) ICE Gasoil	d			492.00	+1.00	+0.20%	+22.38%	14:15	-4.98%
15) NYMEX Nat Gas	d			2.705	+0.016	+0.60%	-34.58%	14:15	-6.37%
2) Metals									
20) Spot Gold				1141.03	+6.10	+0.54%	--	14:25	-3.66%
21) Spot Silver				14.63	+0.00	+0.00%	--	14:25	-6.90%
22) Spot Platinum				1007.08	-2.42	-0.24%	--	14:25	-16.63%
23) Spot Palladium				579.75	-20.92	-3.48%	--	14:24	-27.31%
24) LME 3mth Aluminium	d			1603.00y	+43.00	+2.76%	--	8/28	-13.47%
25) LME 3mth Copper	d			5135.00y	-5.00	-0.10%	--	8/28	-18.49%
3) Agriculture									
30) CBOT Corn	d			368.25	-7.00	-1.87%	-29.51%	14:15c	-10.45%
31) CBOT Wheat	d			485.75	+0.75	+0.15%	-9.87%	14:15c	-18.02%
32) CBOT Soybeans	d			874.50	-13.00	-1.46%	-28.57%	14:15c	-13.12%
33) ICE Coffee	d			120.80	-3.50	-2.82%	-27.35%	13:32c	-29.74%
34) ICE Sugar	d			10.71	+0.02	+0.19%	-11.23%	13:08c	-26.24%
35) ICE Cotton	d			62.72	-0.28	-0.44%	-30.62%	14:15	+5.13%

Clicking on anyone of these commodities enables the user to quickly access other information such as charts, historical pricing etc.

CLV5	146.59	-2.61	46.59 / 46.61	9x14	Prev 49.20	OpenInt 446046
At 14:15	d Vol	541569	Op 48.10	Hi 48.87	Lo 45.22	OpenInt 446046
Global Commodity Prices						
	Movers	Units	AVAT vs 100d	Chg NY	Cal Sprds	Avg
1) Energy		2Day		Price	Net Chg	%Chg
10) NYMEX WTI Crude	d			46.58	-2.62	-5.33%
11) ICE Brent Crude	d			50.88	-3.27	-6.04%
12) NYMEX Gasoline	d					
13) NYMEX Heat Oil	d					
14) ICE Gasoil	d					
15) NYMEX Nat Gas	d					
2) Metals						
20) Spot Gold						
21) Spot Silver						
22) Spot Platinum						
23) Spot Palladium						
24) LME 3mth Aluminium	d					
25) LME 3mth Copper	d					
3) Agriculture						
30) CBOT Corn	d					
31) CBOT Wheat	d					
32) CBOT Soybeans	d					
33) ICE Coffee	d					
34) ICE Sugar	d					
35) ICE Cotton	d					

The following is a description page (DES) for West Texas Intermediate, easily accessible by clicking on the security. Here you can learn how a contract trades, contract size, contract value, tick size etc.



Important Symbols for Commodities on Bloomberg.

* Simply typing the name of the commodity will give a drop down with listed securities

Energy

West Texas Intermediate	CL1 <F9>
Brent Crude	CO1 <F9>
Natural Gas	NG1<F9>

Metals

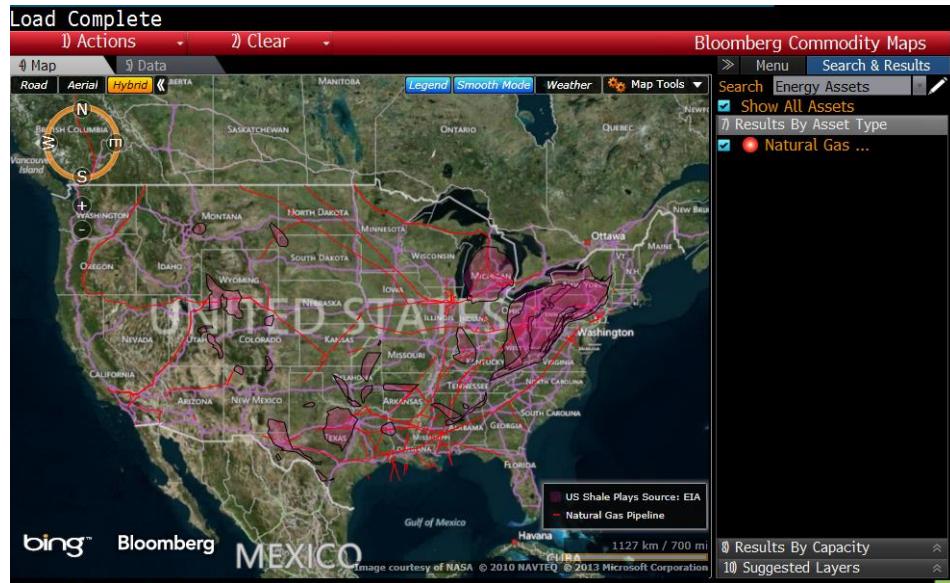
Spot Gold	XAU <F11>
Spot Silver	XAG<F11>
Spot Platinum	XPT<F11>
Spot Palladium	XPD <F11>
Copper	HG1<F11>

Agriculture

CBOT Corn	C 1 <F9>
CBOT Wheat	W 1<F9>
CBOT Soybeans	S 1 <F9>
ICE Coffee	KC 1<F9>
ICE Sugar	QW 1<F9>
ICE Cotton	CT1 <F9>

Bloomberg Maps

BMAP<Go> is a global mapping function that enables the user to search for Oil and Gas Rigs, Pipelines, Weather related events, mines etc. The following is a map of the natural gas pipelines within the United States. It also includes a map of the Shale regions in the United States.



All Commodity Functions from Commodity Menu

<F9>GO

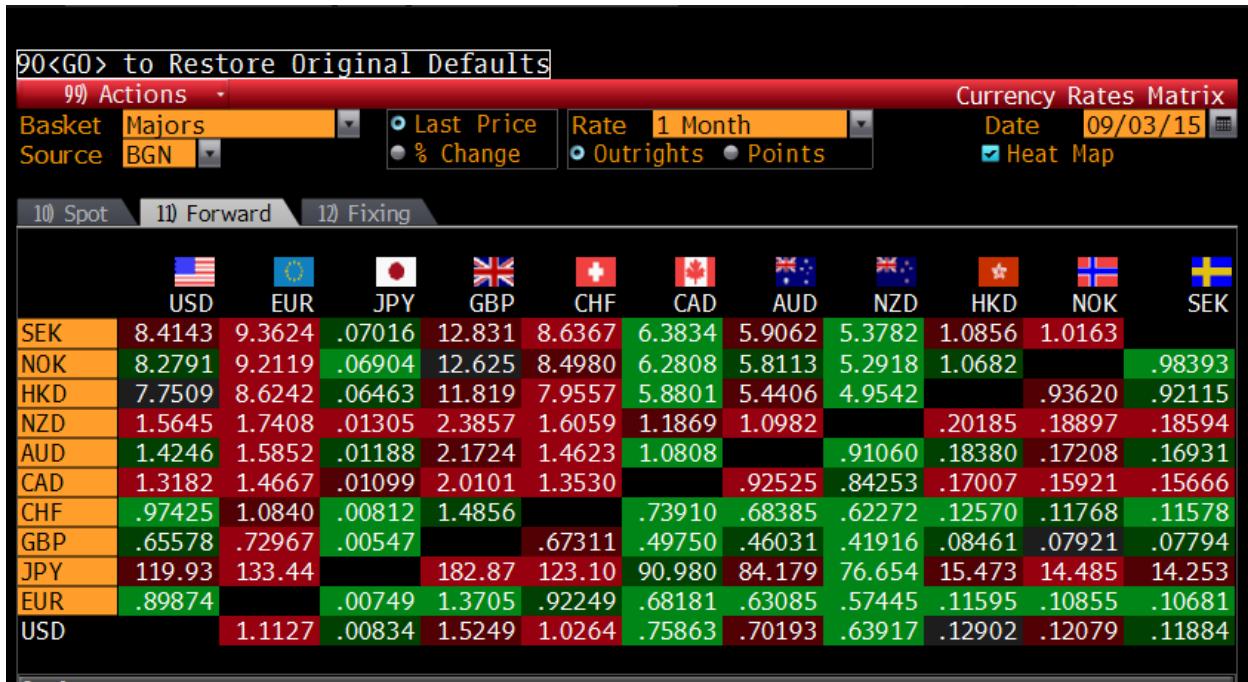


Currency Functions

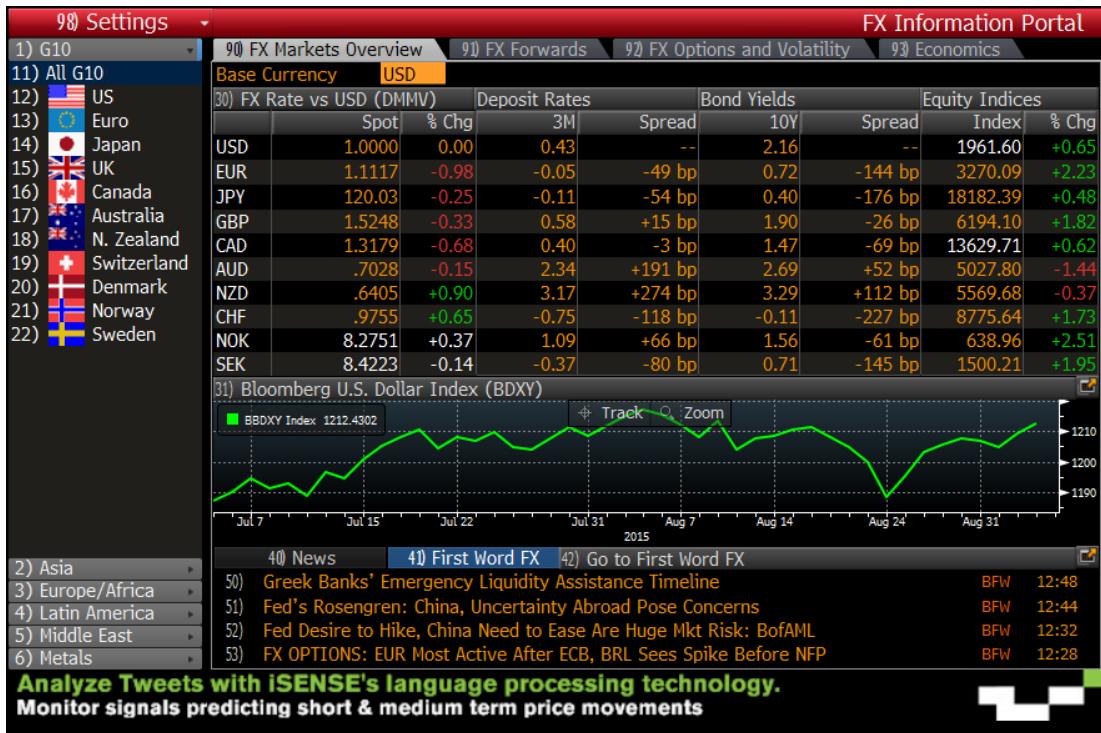
F11<GO> displays the main menu for all major Currency functions



FXC<GO> allows the user to monitor cross currency spot, forward, and fixing rates to compare real-time historical rates in a matrix. This makes it easy to view one country's currency in relation to another.

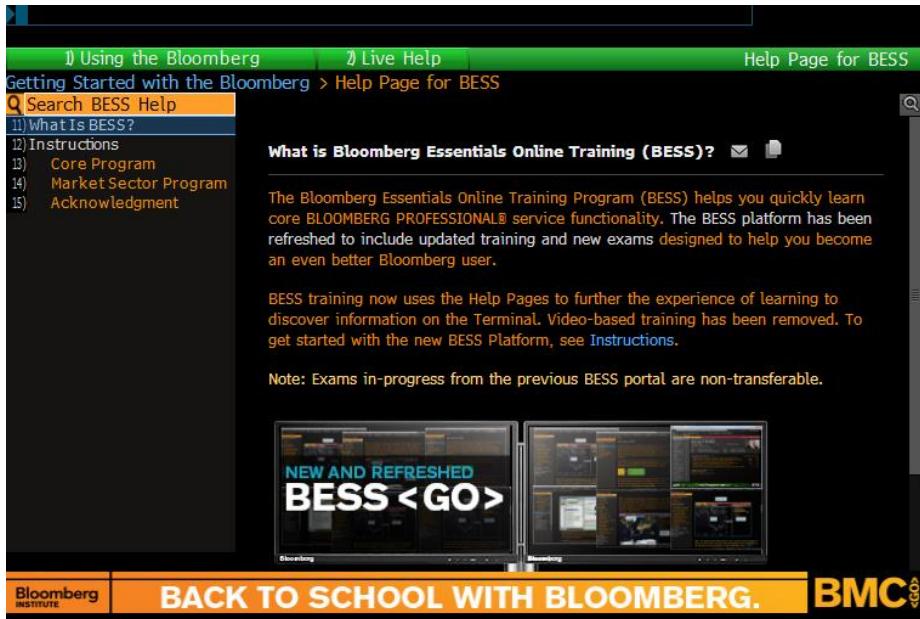


FXIP <GO> provides a comprehensive overview of foreign exchange information. Allows you to access pricing data, news and analytics.

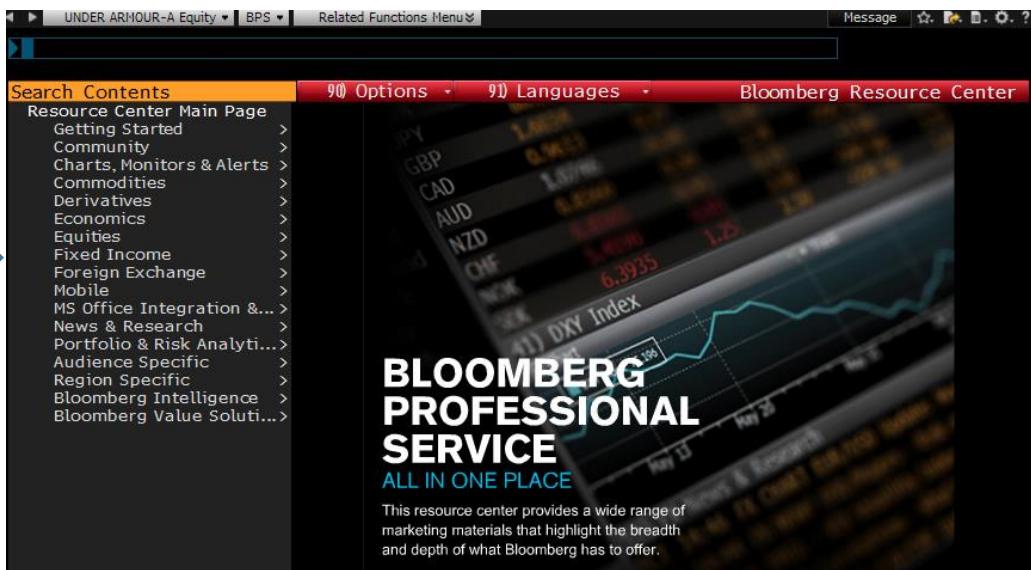


Important Training on Bloomberg

BESS<GO>, Bloomberg Essential Training provides videos on Equities, Fixed Income, Currency, Commodity essentials. They also offer a navigation video. With a tests score of 75% on each exam the user can receive an *Acknowledgement of Completion*.



BPS<GO> offers specific topics within Bloomberg from Getting Started to more complex functions. Cheat Sheets are also very helpful and found on this page.



Bloomberg Seminars and Webinars

SMNR<GO>. Bloomberg offers 20-30 minute *webinars* on a daily basis on many different topics for Beginners and advanced users. The SMNR page also offers seminars in select cities. The SMNR training page is a great way to improve Bloomberg skills and build on existing knowledge.

The screenshot shows the Bloomberg Seminars and Events interface. At the top, there's a red header bar with the text '#<Go> for Seminar Details,<Pg Dn> for More Seminars' and 'Page 1/23 Bloomberg Seminars and Events'. Below this is a search criteria section with dropdown menus for Month (Next 12 Months), Category (All), Region (Americas), Skill level (All), Topic (All), and City (All). A 'Sort By Relevance' dropdown is also present. The main area displays a list of 14 seminar entries:

- 11) Ushering in a New World Order for Oil & the Impact of U... New York Webinar 02-Sep-2015 15:00 - 16:00
REGISTRATON OPEN - SEMR signup disabled (you will need to register on the vendor page). To register, please ...
- 12) Webinar - Portfolio Tools for Wealth Managers using a S... San Francisco Webinar 08-Sep-2015 14:00 - 14:30
Understanding how Wealth Managers are using Bloomberg's Portfolio and Risk analytics tools is critical for growing ...
- 13) Bloomberg San Diego Training Seminar La Jolla 09-Sep-2015 09:00 - 14:30
Bloomberg San Diego Training Seminar
Agenda...
- 14) Hedge Funds' Impact on the Philanthropic Community New York 09-Sep-2015 17:30 - 19:00
Please join Bloomberg and The New York Hedge Fund Roundtable for a panel discussion that will include ...

Bloomberg Job Postings

JOBS <GO> The JOBS function within Bloomberg is a job site that ranges from Entry level to Experienced. These can be jobs that are only posted to Bloomberg terminals, not to large websites such as CareerBuilder.com, Indeed.com, and Monster.com etc. Recruiters, Job events are also available. Any student with access to a Bloomberg terminal can view and apply for these position. Another great feature is building a resume on the Bloomberg where it can be searchable by other Bloomberg users.

The screenshot shows the Bloomberg JOBS interface. At the top, there's a red header bar with the text 'Job Search', 'Recruiters', 'Edit Defaults', 'Build Your Resume', and 'JOBS'. A blue arrow points upwards towards the 'JOBS' button. Below this is a list of job opportunities and events:

- 94) Opportunities at Bloomberg
- 10) Jobs Available (ALL REGIONS, ALL JOB OPPORTUNITIES)
 - 11) 09/01/2015 Trading Assistant NEW YORK CITY
 - 12) 09/01/2015 Junior Risk Analytics Product Specialist / Client Services LONDON
 - 13) 09/01/2015 Cross Product Quant Researcher / Modeler (MJM6244) PHILADELPHIA
 - 14) 09/01/2015 PROGRAM TRADER (MAV5918) MANHATTAN
- 20) Job-Related Events in Your Area (NEW YORK, US)
 - 21) 09/09/2015 Hedge Funds' Impact on the Philanthropic Community
 - 22) 09/23/2015 Bloomberg BRVM Investment Day - Africa
 - 23) 09/25/2015 Bloomberg Fundamentals: Basic Navigation
- 30) Recruiters in Your Area (New York)
 - 31) • Mark Levine Westwood Partners LLC Executive Recruiter
 - 32) • John Jaenisch Atlantic Group The HF Investment Recruiter
 - 33) • Watson Ford Watson Ford LLC Executive Headhunter/Recruiter
- 40) Bloomberg Aptitude Test (BAT) Talent Search

Find students looking for jobs in Financial Markets with data from the Bloomberg Aptitude Test (BAT). Filter the database by Country and Language, rank results by score, and browse your results by University, Area of Study, and Level. Run BTS <GO> to start your search.
- 50) Financial Hiring News (NI FINHIRE)
 - 51) Wells Fargo Names John Adams Head of Commercial Banking BN 09:04
 - 52) *BCRA STATEMENT NAMES LOCAL HSBC CEO MARTINO, DIRECTOR ESTEVEZ BN 12:44
 - 53) CME Group Hires Ex-Noble Gas Head Callinan for Energy Products BFW 12:22

People Search

PEOP<GO>. This function enable the user to search individuals in different cities, states, countries etc. from universe of over 2.5 million Bloomberg users. This is a great way to connect with Alumni in the industry.

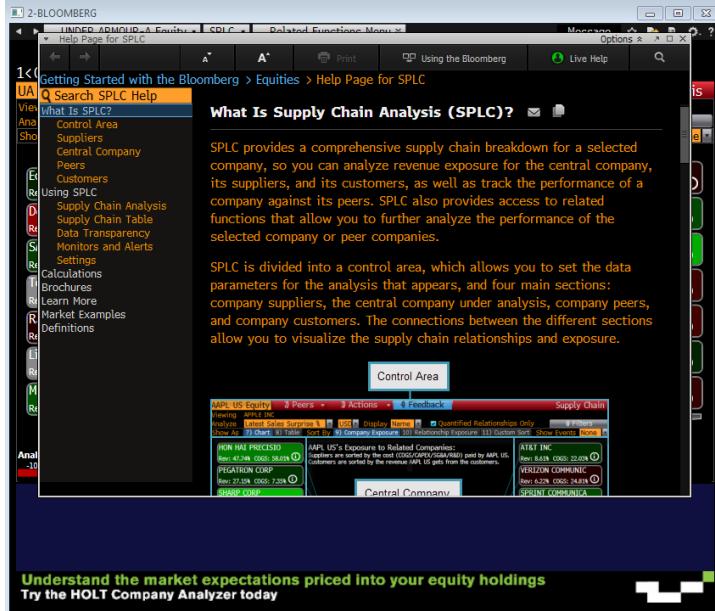
The screenshot shows the Bloomberg People Search interface. At the top, there's a red header bar with the text "Enter search criteria and hit <Go>" and buttons for "Clear" and "Actions". Below this is a search form with the following fields:

4) Given Name		11) Education
5) Family Name		12) Career
6) Organizations	the University of Scranton	13) Board/Membership
7) Roles		14) Age
8) Cities		15) Certificates
9) States		16) Awards
10) Countries		17) Publications
<input type="checkbox"/> Include Past Career <input type="checkbox"/> Search SPDL <input type="checkbox"/> Bloomberg Users Only		
Selected Search Criteria Person Universe		
Matches 2,521,282		

At the bottom right is a "Results" button. To the right of the search form is a sidebar titled "People Search" with two sections:

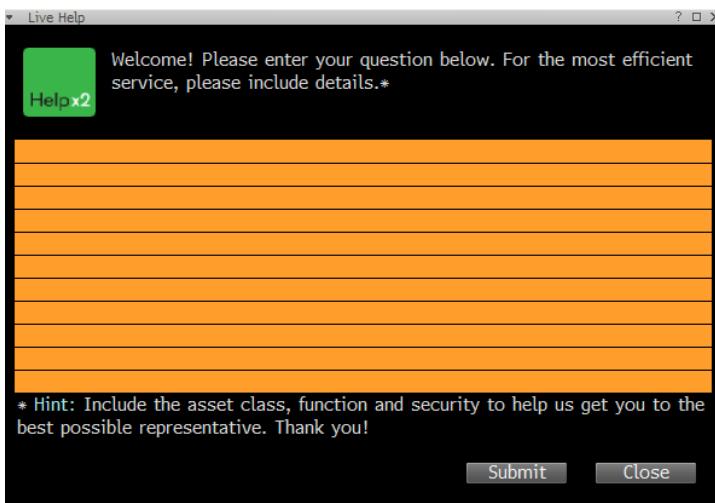
- Sample Searches** (list items 41 to 52)
- Saved Searches** (empty list)

Clicking **F1** on each screen enables the user to give a complete description of everything about the function. This gives very detailed information of all the uses of the function. Below is a description on the SPLC- Supply Chain Analysis function.



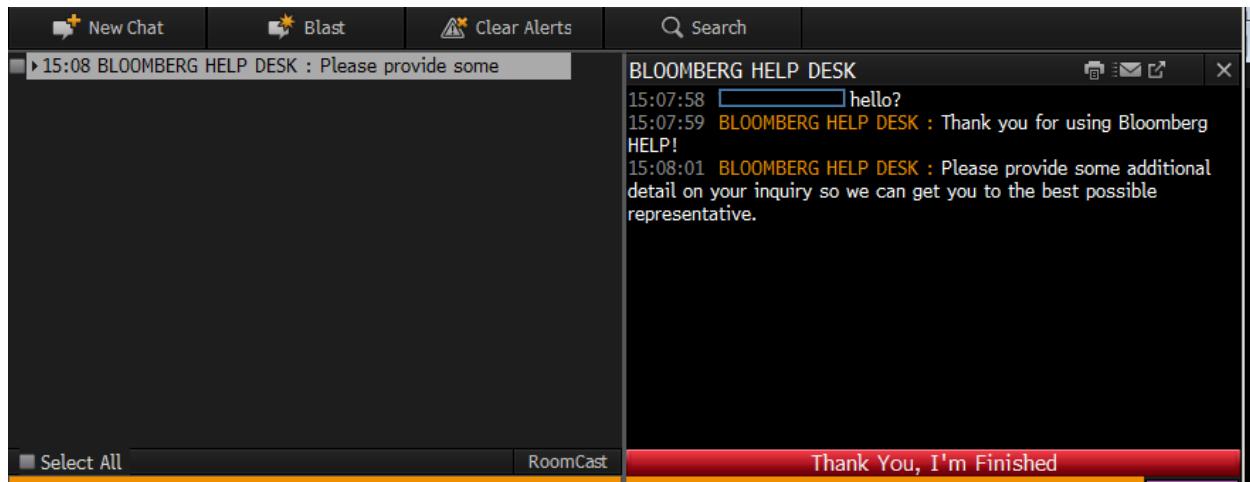
Help Desk

Bloomberg representative are available 24/7 to answer any questions about anything on the terminals. Questions can be submitted and sent back to your email of choice. Emailing is usually a turnaround time of a business day.



Live Help

To get instant feedback, a live representative is also available through instant message. Press F1 twice for an instant message to pop-up and ask your questions.



Bloomberg BRIEFS

BRIEF<GO> Selected newsletters can be sent to your inbox (weekly basis) on topics of your choice.

The screenshot shows a list of 12 Bloomberg Brief Newsletters, each with a thumbnail image and a "Subscribe" button. The newsletters are:

- 1) Economics
- 2) Economics Europe
- 3) Economics Asia
- 4) Hedge Funds
- 5) Hedge Funds Euro...
- 6) Private Equity
- 7) Mergers
- 8) Bankruptcy
- 9) Leveraged Capital
- 10) Municipal Market
- 11) Structured Notes
- 12) Regulation

The "Private Equity" brief has a checked "Subscribe" button and a "Send Copy to <Enter e-mail>" field.

FAVE <GO> allows you to bookmark your favorite Bloomberg functions for quick access.

The screenshot shows a menu bar with options: 1) Add Favorite, 2) Add Folder, 3) Import, 4) Send, and My Favorites. Below the menu is a list titled "Select a row to edit, Drag and Drop to reorder". The list contains 17 items, each with a number, a folder icon, and a name: 5) Equities, 6) Fundamental Analysis, 7) Commodities, 8) News Sources, 9) Economic, 10) Fixed Income, 11) Options, 12) Technical Analysis, 13) Bloomberg Training, 14) Currency, 15) Backtesting, 16) Shortcuts, and 17) Currency. The "Name" column is on the left and the "Bloomberg Command" column is on the right.

Upper right hand corner. Includes, Log-off, access to Favorites, messaging etc.

