



TRIMTABS INVESTMENT RESEARCH

AN INDEPENDENT INVESTMENT
RESEARCH FIRM FOCUED ON
EQUITY MARKET LIQUIDITY

DATA PRODUCTS



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OVERVIEW

INTRODUCTION TO TRIMTABS

TrimTabs Investment Research is an independent investment research firm that measures equity market liquidity. The firm was founded by Charles Biderman in 1990. It is based in Sausalito, California.

The firm's data and insights are widely cited in the financial media, including the Associated Press, *Barron's*, Bloomberg, CNBC, the *Financial Times*, Forbes, Fox Business, the *New York Times*, Reuters, and the *Wall Street Journal*.

WHAT SETS TRIMTABS APART?

No other independent research firm offers the breadth and depth of coverage of equity market liquidity that TrimTabs provides.

The key premise of TrimTabs' approach is that prices are set by supply and demand rather than fundamental value. While most other research providers focus on fundamental analysis (e.g. earnings, cash flows) or technical analysis (e.g. price and volume data, chart patterns), TrimTabs focuses squarely on liquidity flows.

TrimTabs collects a wide range of supply and demand data that its clients use to develop alpha-generating trading strategies.



ADVANTAGES OF TRIMTABS DATA

QUALITY – TrimTabs data has been used for more than two decades by some of the largest hedge funds and asset management firms in the world. TrimTabs fund flow data also has been used extensively in peer-reviewed academic research.

BREADTH – TrimTabs collects a wide range of data on fund flows, including mutual fund and exchange-traded fund flows, and corporate actions that affect the float of shares, including stock buybacks and new equity issuance.

FLEXIBILITY – TrimTabs data can be delivered at the frequency and in the format most convenient for you. Delivery is available daily, weekly, and monthly through email attachments, ftp sites, the Daily Liquidity Report, and the TrimTabs Client Portal.

SUPPORT – TrimTabs analysts are readily available to assist you with questions and problems. You can reach them from 8 AM through 3 PM Pacific time from Monday through Friday at 415-324-5873 or at research@trimtabs.com.



THREE TYPES OF DATA TRIMTABS TRACKS

FUND FLOW DATA (DEMAND)

- TrimTabs tracks the flows and returns of mutual funds and exchange-traded funds on a daily basis and the flows of futures contracts on a daily basis.
- Data is available at the asset class, sub-asset class, Morningstar category, and fund or contract level.

CORPORATE ACTIONS DATA (SUPPLY)

- TrimTabs collects daily data on corporate actions that affect the float of shares in the U.S., including cash takeovers, stock buybacks, equity issuance, and insider trading.

MACROECONOMIC DATA

- TrimTabs offers daily data on withheld income and employment tax collections, non-withheld individual tax collections, and corporate tax collections.
- TrimTabs maintains the TrimTabs Macroeconomic Index, a proprietary index of weekly leading macroeconomic variables.



FUND FLOW DATA (DEMAND)

MUTUAL FUND FLOWS

- TrimTabs tracks the flows, returns, and total net assets of a daily survey of more than 4,000 U.S.-listed equity, bond, and hybrid mutual funds.
- Data is available at the asset class, sub-asset class, Morningstar category, and individual fund levels. Intelligent categorization helps you spot trends quickly.
- Data has been used extensively in peer-reviewed academic research.
- Closed funds are retained in the database to avoid survivorship bias.

DATA DETAILS

Format: Excel or CSV for asset class, sub-asset class, Morningstar, and individual fund and TrimTabs Client Portal for asset class, sub-asset class, and Morningstar

Frequency: Daily, weekly, or monthly

History: 1998-present (varies by fund)



TRIMTABS

FUND FLOW DATA (DEMAND)

MUTUAL FUND FLOWS

- The TrimTabs Client Portal allows you to view mutual fund and exchange-traded fund data in customized ways.
- Data on flows, returns, and total assets can be sorted by asset class, sub-asset class, and Morningstar category and viewed on a daily or weekly basis.
- Data can be downloaded in CSV format with one click.

ETF FLOWS | MUTUAL FUND FLOWS | DATA SERVICES | HOME

Mutual Fund Flows Hide Advanced Options

Views: Bonds

Categories: Big Four Morningstar Intermediate

View By: Daily Weekly

Date From: Date To:

Subcategories: Show All (ctrl + click to multi-select)

- Alternative
- Asset Allocation
- Bear Market
- Commodities
- Convertibles
- Corporate Bond
- Currency
- Developed International Equity
- Diversified US Equity
- Emerging Markets Equity
- Foreign Debt
- Global Sector Equity

Save this view as:

Mutual Fund Daily Flows by Intermediate, 7/6/2016 to 7/20/2016

Date ↓	Alternative				Asset Allocation				Bear Market				Commodities			
	TNA	Flow	% Nav Change	Flow/TNA	TNA	Flow	% Nav Change	Flow/TNA	TNA	Flow	% Nav Change	Flow/TNA	TNA	Flow	% Nav Change	Flow/TNA
7/19/2016	8,741	11	.04%	.13%	187,011	-94	-16%	-05%	443	-5	.41%	-1.09%	440	0	-93%	.03%
7/18/2016	10,317	-16	.07%	-.15%	183,994	-123	-.14%	-.07%	484	1	-.50%	-.13%	443	0	-.41%	-.01%
7/15/2016	10,264	-2	-.25%	-.02%	215,461	-68	-.16%	-.03%	410	1	.02%	.19%	437	-1	-.39%	-.13%
7/14/2016	7,770	5	-.23%	.06%	221,043	-80	.28%	-.04%	472	-1	-.65%	-.24%	441	0	.46%	.02%
7/13/2016	8,797	0	.18%	.00%	177,762	-36	.03%	-.02%	399	-5	.38%	-1.37%	447	0	-1.11%	.02%
7/12/2016	9,336	-5	-.23%	-.05%	228,175	-82	.48%	-.04%	385	-2	-1.31%	-.40%	451	0	2.26%	-.02%
7/11/2016	11,086	-16	-.12%	-.14%	226,743	-149	.35%	-.07%	589	-3	-.79%	-.54%	442	0	-.29%	-.06%
7/8/2016	11,945	-4	.32%	-.03%	226,346	-72	.86%	-.03%	598	-1	-2.45%	-.21%	432	0	.83%	.05%
7/7/2016	7,731	-6	-.21%	-.07%	210,017	-127	.01%	-.06%	606	-2	-.30%	-.37%	436	1	-2.47%	.21%
7/6/2016	11,594	16	-.10%	.14%	191,969	-51	.14%	-.03%	583	-2	-.88%	-.39%	443	3	.31%	.60%



TRIMTABS

FUND FLOW DATA (DEMAND)

MUTUAL FUND FLOWS

Below is a sample of daily mutual fund data at the sub-asset class level.

Date	US Sector Equity TNA	US Sector Equity Flow	US Sector Equity % Nav Change	US Sector Equity Flow/TNA
2/3/2014	48,494	-15	-1.95%	-0.03%
2/4/2014	48,754	10	0.97%	0.02%
2/5/2014	48,290	13	-0.42%	0.03%
2/6/2014	48,919	-50	1.00%	-0.10%
2/7/2014	49,959	46	1.42%	0.09%
2/10/2014	49,591	-6	0.76%	-0.01%
2/11/2014	50,830	16	1.24%	0.03%
2/12/2014	44,243	31	-0.20%	0.07%
2/13/2014	50,681	24	1.02%	0.05%
2/14/2014	50,331	37	0.59%	0.07%
2/18/2014	49,615	22	0.66%	0.05%
2/19/2014	42,599	43	-0.82%	0.10%
2/20/2014	50,720	23	0.84%	0.04%
2/21/2014	47,207	21	-0.09%	0.05%
2/24/2014	48,972	18	0.62%	0.04%
2/25/2014	50,034	31	-0.17%	0.06%
2/26/2014	51,040	13	-0.05%	0.02%
2/27/2014	52,080	14	0.22%	0.03%
2/28/2014	51,994	11	0.16%	0.02%



TRIMTABS

FUND FLOW DATA (DEMAND)

MUTUAL FUND FLOWS

Below is a sample of daily mutual fund data at the individual fund level. This data has been used frequently in academic research.

date	ticker	nav	tna	flow	flowovertna	nav_prcnt	tna_prcnt	fundfamily	morningstar	subasset	asset
5/10/2013	AAAAX	9.67	241.13	7.86E-02	3.26E-04	-0.206825233	-0.174179903	DWS Scudder Funds	World Allocation	Asset Allocation	Hybrid
5/10/2013	AAAGX	6.26	138.2	-0.16308	1.18E-03	0.479233227	0.361794501	Thrivent Funds	Large Growth	Diversified US Equity	US
5/10/2013	AAAPX	9.61	154.84	-3.77E-02	2.43E-04	-0.208116545	-0.232498063	DWS Scudder Funds	World Allocation	Asset Allocation	Hybrid
5/10/2013	AAASX	9.61	267.03	-2.13E-03	7.98E-06	-0.104058273	-0.104857132	DWS Scudder Funds	World Allocation	Asset Allocation	Hybrid
5/10/2013	AAAZX	9.61	47.11	0.287445	6.10E-03	-0.208116545	0.403311399	DWS Scudder Funds	World Allocation	Asset Allocation	Hybrid
5/10/2013	AABFX	13.39	153.5	-5.87E-02	3.83E-04	0.298730396	0.260586319	Thrivent Funds	Moderate Allocation	Asset Allocation	Hybrid
5/10/2013	AACFX	19.64	85.15	-0.14113	1.66E-03	0.610997963	0.446271286	Invesco Advisers Inc	China Region	Emerging Markets Equity	Global
5/10/2013	AADCX	12.87	139.94	-9.88E-02	7.06E-04	7.77E-02	7.15E-03	Invesco Advisers Inc	Aggressive Allocation	Asset Allocation	Hybrid
5/10/2013	AADSX	13.01	32.5	-1.50E-02	4.61E-04	7.69E-02	3.08E-02	Invesco Advisers Inc	Aggressive Allocation	Asset Allocation	Hybrid
5/10/2013	AAGIX	15.06	337.91	-0.1011	2.99E-04	0.464807437	0.435027078	ING Funds	Large Blend		US
5/10/2013	AAINX	10.71	246.8	-7.80E-02	3.16E-04	-0.373482726	-0.405186386	Thrivent Funds	Intermediate-Term Bond	Treasury Bond	Bonds
5/10/2013	AALGX	25.23	1481.5	-0.38616	2.61E-04	0.356718193	0.330745866	Thrivent Funds	Large Blend	Diversified US Equity	US
5/10/2013	AALVX	18.42	84.2	-2.84E-03	3.37E-05	0.597176982	0.593824228	Thrivent Funds	Small Blend	Diversified US Equity	US
5/10/2013	AAMBX	11.87	1560.6	-5.56E-02	3.56E-05	-0.252737995	-0.256311675	Thrivent Funds	Muni National Long	Municipal Bond	Bonds
5/10/2013	AAPIX	12.46	886.05	4.612586	5.21E-03	8.03E-02	0.600417584	Aberdeen Funds	Pacific/Asia ex-Japan Stk		Global
5/10/2013	AARBX	27.8	15.16	-3.56E-02	2.35E-03	0.431654676	0.197889182	Invesco Advisers Inc	Real Estate	US Sector Equity	US
5/10/2013	AASCX	18.45	584.1	-0.53626	9.18E-04	0.758807588	0.667693888	Thrivent Funds	Mid-Cap Blend	Diversified US Equity	US
5/10/2013	AASMX	16.73	238.5	-1.08E-02	4.52E-05	0.717274357	0.71278826	Thrivent Funds	Small Growth	Diversified US Equity	US
5/10/2013	AAUTX	17.15	196.1	0.1	5.10E-04	0.408163265	0.458949516	Thrivent Funds	Large Value	Diversified US Equity	US
5/10/2013	ABCFX	19.12	8.45	1.39E-03	1.65E-04	0.575313808	0.591715976	Invesco Advisers Inc	China Region	Emerging Markets Equity	Global



EXCHANGE-TRADED FUND FLOWS

- TrimTabs tracks the flows, returns, and total net assets of all U.S.-listed exchange-traded funds, which have become one of the most popular vehicles for active traders.
- Data is available at the asset class, sub-asset class, Morningstar category, and individual fund levels. Intelligent categorization helps you spot trends quickly.

DATA DETAILS

Format: Excel or CSV for asset class, sub-asset class, Morningstar, and individual fund and TrimTabs Client Portal for asset class, sub-asset class, and Morningstar
Frequency: Daily, weekly, or monthly
History: 1993-present (varies by fund)



TRIMTABS

FUND FLOW DATA (DEMAND)

EXCHANGE-TRADED FUND FLOWS

Below is a sample of output from the TrimTabs Client Portal at the sub-asset class level. This sample points out some of the key features of the portal.

ETF FLOWS | MUTUAL FUND FLOWS | DATA SERVICES | HOME | Welcome You

ETF Flows Hide Advanced Options

Views: Bonds by Sector

Categories: Big Four Morningstar Intermediate

View By: Daily Weekly

Date From: 10/13/2011 Date To: 10/27/2016

Subcategories: Show All (ctrl+click to multi-select)

- Alternative
- Asset Allocation
- Bear Market
- Commodities
- Corporate Bond**
- Currency
- Developed International Equity
- Diversified US Equity
- Emerging Markets Equity
- Foreign Debt**
- Global Sector Equity
- Multisector Bond

Save this view: Bonds by Sector

Views can be saved for later reference.

Output can be exported in CSV format.

Assets, flows, returns, and flows as a percentage of assets for each category are shown.

ETF Daily Flows by Intermediate, 10/13/2011 to 10/27/2016

Date	Corporate Bond			Foreign Debt			Municipal Bond					
	TNA	Flow	% Nav Change	Flow/TNA	TNA	Flow	% Nav Change	Flow/TNA	TNA	Flow	% Nav Change	Flow/TNA
7/19/2016	135,287,221,873	137,196,600	-0.1%	10%	32,473,035,459	81,368,000	-15%	0.31%	22,050,327,700	68,608,000	0.2%	0.31%
7/18/2016	135,168,465,027	277,658,960	0.2%	21%	36,122,254,218	69,729,175	-10%	0.27%	21,975,576,620	49,330,000	0.4%	0.22%
7/15/2016	134,681,184,060	-6,536,500	-0.22%	0.0%	26,071,616,736	62,097,944	-25%	0.24%	21,929,591,455	19,292,500	-0.08%	0.09%
7/14/2016	134,985,561,599	293,497,500	-0.4%	22%	26,095,446,596	22,561,798	22%	0.09%	21,930,770,098	16,140,180	-15%	0.07%
7/13/2016	134,713,385,159	167,493,630	0.7%	12%	26,038,157,532	124,684,602	0.1%	0.48%	21,939,721,109	27,283,585	-0.2%	0.12%
7/12/2016	134,442,107,335	520,957,500	-1.1%	39%	25,883,318,222	220,205,768	0.9%	0.85%	21,913,518,076	27,205,750	-10%	0.12%
7/11/2016	134,029,761,422	1,191,329,000	-0.7%	89%	25,709,176,959	71,059,000	-15%	0.28%	21,912,389,562	36,817,000	-0.9%	0.17%
7/8/2016	132,871,290,146	785,288,000	50%	59%	25,623,160,547	110,624,944	36%	0.43%	21,901,721,641	37,945,750	-0.8%	0.17%
7/7/2016	131,235,541,439	1,440,246,560	-10%	1.10%	25,342,543,582	41,445,542	-15%	0.16%	21,936,039,002	5,716,500	0.6%	0.03%
7/6/2016	129,708,091,743	424,020,530	0.5%	33%	25,318,499,804	18,402,500	45%	0.07%	21,864,315,898	49,768,160	0.5%	0.23%
7/5/2016	129,102,354,485	896,710,000	0.1%	69%	25,276,844,461	50,830,000	21%	0.20%	21,798,465,244	5,893,000	-10%	0.03%
7/1/2016	128,253,136,977	583,332,500	0.6%	45%	25,194,878,972	126,382,944	-21%	0.50%	21,770,369,766	39,978,510	-0.6%	0.18%
6/30/2016	127,745,100,114	1,233,063,100	27%	97%	25,058,966,801	321,847,496	0.4%	1.28%	21,744,534,637	133,522,000	0.5%	0.61%
6/29/2016	126,004,828,772	127,068,590	17%	10%	24,662,192,060	69,679,500	53%	0.28%	21,597,976,725	17,846,985	-0.7%	0.08%
6/28/2016	125,410,094,639	-189,301,195	-47%	-15%	24,410,287,845	-39,116,000	63%	-16%	21,611,889,859	9,229,410	-0.1%	0.04%
6/27/2016	124,621,000,591	-148,623,500	-12%	-12%	24,262,755,324	-83,473,500	0.2%	-34%	21,599,942,268	16,347,500	0.18%	0.08%
6/24/2016	125,301,402,336	388,040,500	-16%	31%	24,289,442,571	-42,832,000	-130%	0.31%	21,529,394,176	16,235,500	5.1%	0.08%
6/23/2016	125,442,443,005	702,695,750	13%	56%	24,581,456,614	249,567,000	28%	1.02%	21,381,216,472	10,847,000	-14%	0.05%
6/22/2016	124,463,199,111	300,916,810	0.6%	24%	24,264,568,675	69,287,000	-0.1%	0.29%	21,411,637,887	29,820,990	0.2%	0.14%
6/21/2016	124,107,929,817	189,899,490	0.4%	15%	24,109,666,227	29,025,217	10%	0.12%	21,382,277,633	33,470,000	-0.7%	0.16%
6/20/2016	123,807,677,018	348,697,150	1.1%	28%	24,100,296,028	23,914,055	44%	1.0%	21,350,149,175	24,104,500	-0.9%	0.11%
6/17/2016	123,147,530,194	180,317,590	-0.9%	15%	23,972,113,051	14,425,945	2.1%	0.06%	21,354,813,606	25,862,500	0.7%	0.12%
6/16/2016	122,996,803,739	-997,491,015	-0.2%	-81%	23,943,585,699	-1,492,386	-57%	-0.1%	21,325,407,697	73,091,885	0.6%	0.34%
6/15/2016	123,977,275,136	161,702,770	0.1%	15%	23,955,969,023	75,735,000	2.9%	0.32%	21,232,895,035	5,443,000	0.7%	0.03%
6/14/2016	123,664,809,863	-1,065,196,150	-1.8%	-86%	23,798,921,635	-46,955,000	-18%	-20%	21,218,051,996	26,166,500	0.8%	0.12%
6/13/2016	125,008,742,966	1,988,500	-1.0%	0.0%	23,944,175,367	101,718,000	-0.2%	0.42%	21,166,328,258	-16,410,000	0.9%	-0.08%

Categories, periodicity, and date ranges are customizable. Users can view exactly the categories they want to see.



TRIMTABS

FUND FLOW DATA (DEMAND)

EXCHANGE-TRADED FUND FLOWS

Below is a sample of daily exchange-traded fund data at the Morningstar category level.

Date	Corporate Bond TNA	Corporate Bond Flow	Corporate Bond % Nav Change	Corporate Bond Flow/TNA
2/3/2014	28,324,206,934	154,686,450	0.41%	0.55%
2/4/2014	28,458,692,665	220,167,440	-0.10%	0.77%
2/5/2014	28,509,776,869	125,502,380	-0.24%	0.44%
2/6/2014	28,596,719,340	105,748,670	-0.01%	0.37%
2/7/2014	28,737,087,526	63,571,715	0.16%	0.22%
2/10/2014	28,817,960,356	76,065,355	0.03%	0.26%
2/11/2014	28,922,393,035	156,674,710	-0.14%	0.54%
2/12/2014	28,931,093,386	65,459,800	-0.15%	0.23%
2/13/2014	29,123,142,254	104,652,850	0.24%	0.36%
2/14/2014	29,061,810,786	-103,568,440	0.12%	-0.36%
2/17/2014	29,061,810,786	0	0.00%	0.00%
2/18/2014	29,132,030,465	21,172,620	0.14%	0.07%
2/19/2014	29,139,989,701	45,035,820	-0.10%	0.15%
2/20/2014	29,186,650,617	71,654,415	-0.07%	0.25%
2/21/2014	29,232,125,259	14,699,320	0.06%	0.05%
2/24/2014	29,294,698,818	52,095,610	0.06%	0.18%
2/25/2014	29,605,118,536	223,603,835	0.26%	0.76%
2/26/2014	29,591,310,986	-94,480,595	0.22%	-0.32%
2/27/2014	29,663,179,708	26,573,470	0.16%	0.09%
2/28/2014	29,722,821,973	68,122,720	-0.02%	0.23%



FUND FLOW DATA (DEMAND)

FUTURES FLOWS

- TrimTabs tracks the flows and outstanding notional of 48 major futures contracts.
- Data includes contracts for commodities, currencies, and equities.
- Data consistently shows information on the next expiring futures contract.

DATA DETAILS

Format: Excel or CSV

Frequency: Daily, weekly, or monthly

History: 1990-present (varies by contract)



TRIMTABS

FUND FLOW DATA (DEMAND)

FUTURES FLOWS

Below is a sample of daily futures flow data.

Date	S&P 500 index notional	S&P 500 index flow	S&P 500 index flow/notional
2/3/2014	73,353,756,000	1,436,058,000	1.96%
2/4/2014	75,048,848,000	1,233,667,750	1.64%
2/5/2014	75,627,688,000	565,928,000	0.75%
2/6/2014	78,534,644,650	1,926,918,950	2.45%
2/7/2014	81,509,194,500	1,778,703,625	2.18%
2/10/2014	82,310,326,100	746,595,200	0.91%
2/11/2014	84,645,246,000	1,468,109,200	1.73%
2/12/2014	85,401,882,900	593,283,150	0.69%
2/13/2014	86,316,754,500	576,478,800	0.67%
2/14/2014	88,195,605,000	1,372,580,000	1.56%
2/18/2014	89,080,367,450	769,411,250	0.86%
2/19/2014	90,531,565,125	2,028,130,500	2.24%
2/20/2014	92,208,455,400	1,146,247,850	1.24%
2/21/2014	95,016,740,000	2,903,696,900	3.06%
2/24/2014	95,464,410,300	-153,209,700	-0.16%
2/25/2014	94,919,206,150	-565,890,950	-0.60%
2/26/2014	94,885,478,500	192,478,550	0.20%
2/27/2014	95,764,594,925	260,936,425	0.27%
2/28/2014	96,030,025,200	74,304,000	0.08%



TRIMTABS

CORPORATE ACTIONS DATA (SUPPLY)

U.S. CORPORATE ACTIONS - ANNOUNCED

- By buying and selling their own shares, U.S. companies actively control the float, which is the number of shares available for investors to buy.
- TrimTabs tracks the full range of corporate actions that affect the float on a daily basis: new cash takeovers, completed cash takeovers, new stock buybacks, new equity offerings (IPOs, secondaries, follow-ons, and convertibles), and insider trading.
- Data on takeovers and buybacks is compiled by TrimTabs. Data on new offerings is based on data from Dealogic. Data on insider trading is collected by TrimTabs from Form 4 filings with the Securities and Exchange Commission.

DATA DETAILS

Format: Excel or CSV

Frequency: Daily, weekly, or monthly

History: 2002-present for corporate actions and 2005-present for insider trading



TRIMTABS

CORPORATE ACTIONS DATA (SUPPLY)

U.S. CORPORATE ACTIONS - ANNOUNCED

- Company-level data is available for new cash takeovers, completed cash takeovers, new stock buybacks, and new equity offerings. Below is a sample of daily stock buybacks data.
- Buybacks are meticulously calculated. If a company replenishes a buyback authorization to \$100 million but has \$20 million left on a previous authorization that has not been exhausted, TrimTabs counts only \$80 million, not \$100 million.

Date	Sector	Company	Ticker	Amount
6/1/2016	Consumer Discretionary	Michael Kors Holdings Limited	KORS	642
6/1/2016	Information Technology	Alibaba Group	BABA	2,000
6/2/2016	Industrials	US Ecology, Inc	ECOL	25
6/2/2016	Industrials	FTI Consulting, Inc	FCN	100
6/2/2016	Information Technology	Ambarella	AMBA	75
6/2/2016	Financials	Oxbridge Re Holdings	OXBRU	2
6/3/2016	Health Care	Natus Medical Inc	BABY	20
6/3/2016	Financials	Poage Bankshares, Inc.	PBSK	24
6/6/2016	Information Technology	Plexus	PLXS	150
6/6/2016	Energy	UCP, Inc	UCP	5
6/7/2016	Health Care	Myriad Genetics	MYGN	200
6/7/2016	Consumer Discretionary	Six Flags Entertainment Corporation	SIX	500
6/7/2016	Consumer Discretionary	Dave & Buster's Entertainment, Inc	PLAY	100
6/8/2016	Consumer Discretionary	LightInTheBox Holding Co., Ltd	LITB	10
6/8/2016	Consumer Staples	Agria Corporation	GRO	10



TRIMTABS

CORPORATE ACTIONS DATA (SUPPLY)

U.S. CORPORATE ACTIONS - ANNOUNCED

Company-level data is also available on insider buying and insider selling. Below is a sample of the insider trading data.

date	ticker	net_amount	buying	selling
6/1/2016	AAC	-73,780		-73,780
6/1/2016	AAP	15,287,620	15,287,620	
6/1/2016	ABCD	-22,648		-22,648
6/1/2016	ABT	-22,312		-22,312
6/1/2016	ADS	-78,482		-78,482
6/1/2016	AFH	-64,655		-64,655
6/1/2016	AFL	-207,990		-207,990
6/1/2016	AGM	-10,947		-10,947
6/1/2016	ALDR	-596,760		-596,760
6/1/2016	ALG	-30,521		-30,521
6/1/2016	AMP	-355,799		-355,799
6/1/2016	AMSF	-22,845		-22,845
6/1/2016	AMT	-526,300		-526,300
6/1/2016	AMTD	-650,400		-650,400
6/1/2016	ANAC	-74,559		-74,559
6/1/2016	ANTM	-2,165,384		-2,165,384
6/1/2016	ARMK	-4,158,075		-4,158,075
6/1/2016	ARTX	100,948	100,948	
6/1/2016	ASCMA	-28,713		-28,713



TRIMTABS

CORPORATE ACTIONS DATA (SUPPLY)

U.S. CORPORATE ACTIONS - ACTUAL

- TrimTabs does not just collect data on announced corporate actions—it tracks the actual change in the amount of shares available for investors to buy on a daily basis.
- Data on actual float change is available for more than 5,000 U.S.-listed public companies.
- The data is available at the individual company level as well as aggregated at the industry (e.g. Basic Materials) and sector (e.g. Aerospace and Defense) levels.

DATA DETAILS

Format: Excel or CSV

Frequency: Daily

History: 2000-present (varies by company)



TRIMTABS

CORPORATE ACTIONS DATA (SUPPLY)

U.S. CORPORATE ACTIONS - ACTUAL

The data is available at the individual company level. Below is a sample:

Date	AAL marketcap	AAL flow	AAL flow/marketcap
4/15/2015	32,863.5	0.0	0.0%
4/16/2015	33,200.7	0.0	0.0%
4/17/2015	33,166.3	0.0	0.0%
4/20/2015	34,246.9	0.0	0.0%
4/21/2015	35,348.0	0.0	0.0%
4/22/2015	35,211.2	-164.4	-0.5%
4/23/2015	35,245.5	0.0	0.0%
4/24/2015	36,073.2	-32.0	-0.1%
4/27/2015	35,501.7	0.0	0.0%
4/28/2015	35,036.3	0.0	0.0%
4/29/2015	33,455.3	0.0	0.0%
4/30/2015	33,115.8	0.0	0.0%



TRIMTABS

CORPORATE ACTIONS DATA (SUPPLY)

U.S. CORPORATE ACTIONS - ACTUAL

The data is also aggregated at the industry and sector levels. Below is a sample at the sector level:

Date	Media marketcap	Media flow	Media flow/marketcap
5/2/2016	910,705.0	-2.0	0.0%
5/3/2016	899,636.0	-7.0	0.0%
5/4/2016	897,353.0	-154.0	0.0%
5/5/2016	900,264.0	-883.0	-0.1%
5/6/2016	905,551.0	26.0	0.0%
5/9/2016	902,531.0	-114.0	0.0%
5/10/2016	913,058.0	-1,040.0	-0.1%
5/11/2016	899,592.0	-7.0	0.0%
5/12/2016	895,250.0	4.0	0.0%
5/13/2016	888,538.0	-8.0	0.0%
5/16/2016	894,506.0	4,627.0	0.5%
5/17/2016	885,887.0	3.0	0.0%
5/18/2016	914,712.0	35,019.0	3.8%
5/19/2016	909,948.0	-855.0	-0.1%
5/20/2016	925,195.0	836.0	0.1%
5/23/2016	922,161.0	2,415.0	0.3%
5/24/2016	933,506.0	-4.0	0.0%
5/25/2016	936,434.0	-65.0	0.0%

REAL-TIME TAX COLLECTIONS

- Tax data provides a real-time reading on the financial health of individuals and businesses.
- The U.S. Treasury reports three types of tax collections every business day:
 1. Income and employment taxes withheld from the paychecks of all U.S. workers subject to withholding.
 2. Tax collections from individuals that are not withheld from paychecks.
 3. Corporate tax collections.

DATA DETAILS

Format: Excel or CSV

Frequency: Daily (monthly, quarterly, and annual aggregation is also available)

History: 1993-present



TRIMTABS

MACROECONOMIC INDICATORS

REAL-TIME TAX COLLECTIONS

The daily data is available in Excel or CSV format. Below is a sample.

Date	Withheld	Non-withheld	Corporate
1/2/2014	29,245	1,657	41
1/3/2014	9,745	723	349
1/6/2014	12,115	1,781	78
1/7/2014	6,373	1,424	49
1/8/2014	6,443	2,375	43
1/9/2014	2,290	1,019	47
1/10/2014	5,445	1,030	281
1/13/2014	12,221	1,942	312
1/14/2014	2,630	4,885	1,411
1/15/2014	10,781	5,015	7,135
1/16/2014	10,692	2,506	183
1/17/2014	7,928	4,169	60
1/21/2014	14,621	7,514	35
1/22/2014	3,587	29,178	27
1/23/2014	8,107	3,658	71
1/24/2014	5,537	389	47
1/27/2014	13,738	538	42
1/28/2014	3,107	720	23
1/29/2014	7,902	808	160
1/30/2014	2,315	205	33
1/31/2014	10,161	212	42

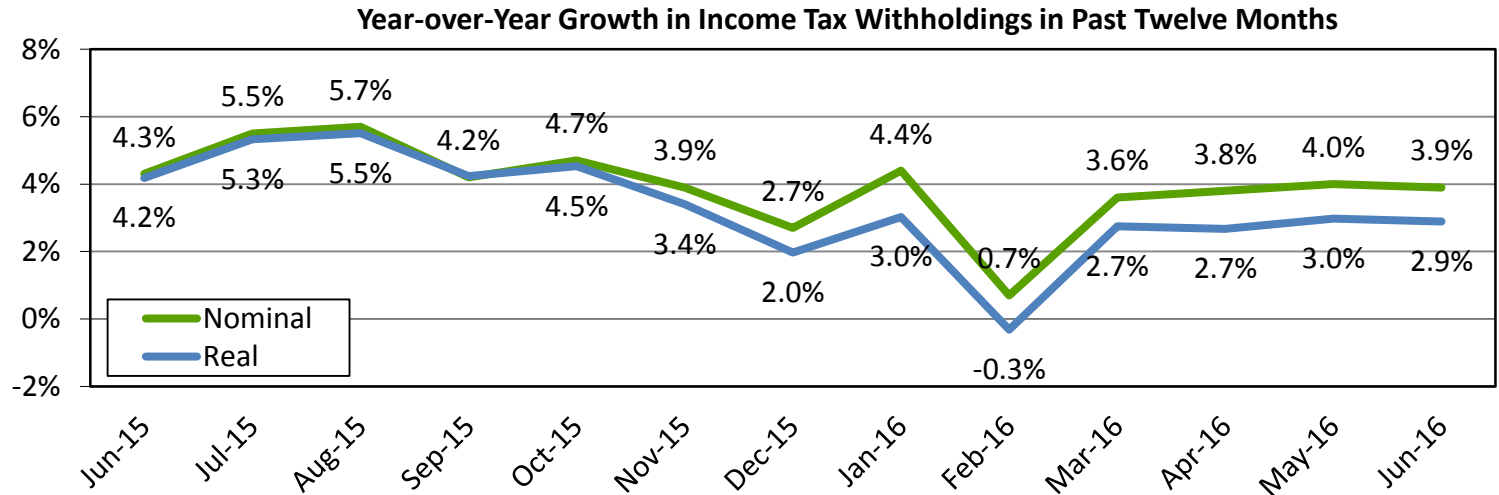


TRIMTABS

MACROECONOMIC INDICATORS

REAL-TIME TAX COLLECTIONS

- Proprietary analysis of income tax withholdings enables TrimTabs to estimate wage and salary growth in real time.
- TrimTabs analyzes withholdings on a year-over-year basis without any seasonal adjustments or other statistical manipulation.
- TrimTabs' estimates of wage and salary growth are more timely than the monthly personal income data from the Bureau of Economic Analysis.



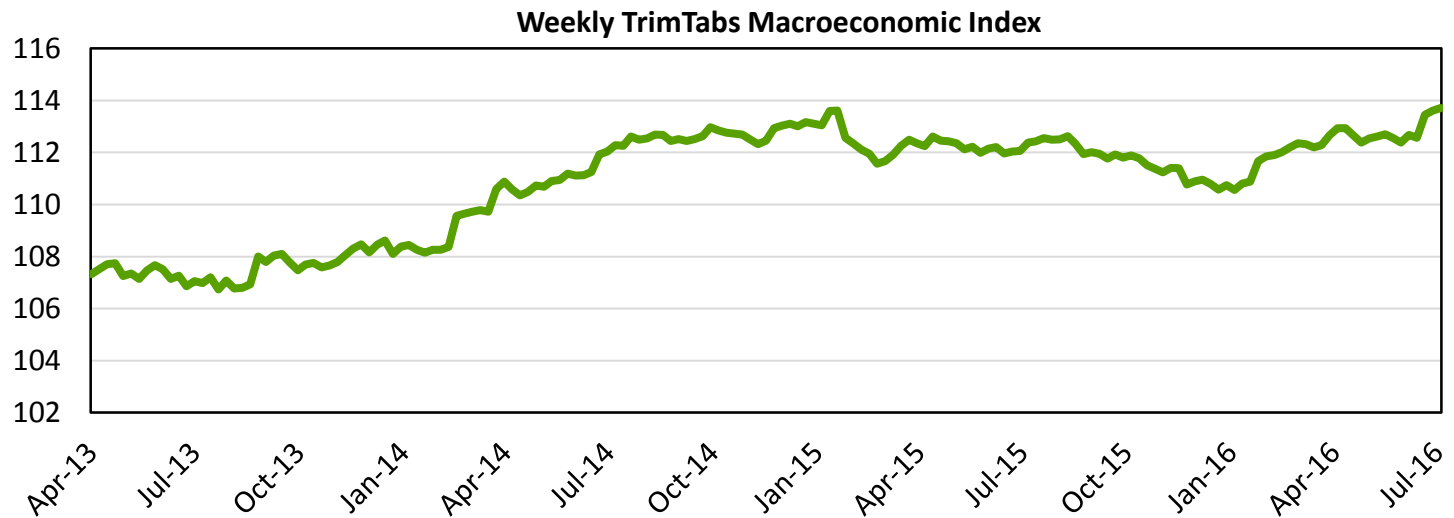


TRIMTABS

MACROECONOMIC INDICATORS

TRIMTABS MACROECONOMIC INDEX

- The index is a correlation weighted composite index of leading macroeconomic variables (1998=100).
- The indicators are seasonally adjusted and including variables on housing activity, manufacturing activity, and labor market activity.
- The index has done an excellent job identifying major economic inflection points.





MACROECONOMIC INDICATORS

TRIMTABS MACROECONOMIC INDEX

The index values are available in Excel or CSV format. Below is a sample.

Date	Index
7/5/2013	106.86
7/12/2013	107.05
7/19/2013	106.98
7/26/2013	107.20
8/2/2013	106.73
8/9/2013	107.08
8/16/2013	106.77
8/23/2013	106.80
8/30/2013	106.93
9/6/2013	107.99
9/13/2013	107.79
9/20/2013	108.03
9/27/2013	108.10
10/4/2013	107.76
10/11/2013	107.48
10/18/2013	107.69
10/25/2013	107.75

DATA DETAILS

Format: Excel or CSV

Frequency: Weekly

History: 2000-2013 (backtested) and
2014-present (live)



CONTACT US

To learn more about TrimTabs data or to receive data samples or pricing information, please contact:

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