

April 25 - April 29, 2016

PROGRAM TRADING PURCHASES AND SALES

Trading on NYSE
(Average Daily - Millions) Current
Week

Total Buy Programs	212.6
Total Sell Programs	194.8
Total CS2 Programs	17.6
Total Programs	425.0
Total NYSE Volume*	2,077.1
Program Trading as % of Total NYSE Buy + Sell Volume	20.5%

NYSE Program Trading - 20 Most Active Member Firms

(Millions of Shares)

	Index Arbitrag	Non- Index	Non- CS2	Principa	Agency	Crossin Session	Grand Total
MORGAN STANLEY & CO. LLC	-	331.1	331.1	57.0	274.0	37.7	368.8
GOLDMAN, SACHS & COMPANY	-	269.2	269.2	249.6	19.5	3.3	272.5
BARCLAYS CAPITAL INC.	-	220.1	220.1	16.6	203.6	-	220.1
MERRILL LYNCH, PIERCE, FENNER & SMITH, INC.	-	141.7	141.7	54.4	87.3	23.0	164.7
J.P. MORGAN SECURITIES LLC	-	132.3	132.3	63.7	68.6	19.5	151.8
SG AMERICAS SECURITIES, LLC	-	150.2	150.2	78.1	72.1	-	150.2
IMC CHICAGO, LLC, DBA IMC FINANCIAL	-	128.8	128.8	128.8	-	-	128.8
LATOUR TRADING, LLC	-	124.9	124.9	124.9	-	-	124.9
DEUTSCHE BANK SECURITIES INC.	-	119.9	119.9	41.4	78.5	-	119.9
UBS SECURITIES LLC	-	97.1	97.1	4.3	92.8	-	97.1
CREDIT SUISSE SECURITIES (USA) LLC	0.4	64.1	64.5	32.0	32.5	-	64.5
SIG BROKERAGE L.P.	-	59.0	59.0	-	59.0	-	59.0
CITIGROUP GLOBAL MARKETS INC.	-	39.0	39.0	4.3	34.7	4.6	43.6
BNP PARIBAS SECURITIES CORP.	-	42.7	42.7	8.3	34.4	-	42.7
INSTINET, LLC	2.9	28.4	31.3	7.7	23.6	-	31.3
SANFORD C. BERNSTEIN & CO., LLC	-	20.3	20.3	-	20.3	-	20.3
ITG INC.	-	18.9	18.9	-	18.9	-	18.9
TWO SIGMA SECURITIES, LLC	-	14.6	14.6	14.6	-	-	14.6
INTERACTIVE BROKERS LLC	0.4	9.4	9.8	-	9.8	-	9.8
RBC CAPITAL MARKETS, LLC	3.0	2.6	5.6	0.2	5.4	-	5.6
Total for 20 Member Firms	6.7	2,014.3	2,021.0	885.9	1,135.0	88.1	2,109.1
Total for All Firms Reporting	6.9	2,030.3	2,037.2	889.4	1,147.7	88.1	2,125.3
% of Total	0.3%	95.5%	95.9%	41.8%	54.0%	4.1%	100.0%

+ Total NYSE volume is the sum of shares bought, sold and sold short on the NYSE, during regular NYSE trading hours, plus crossing session 2.

Totals may not sum exactly due to rounding.

(** See Appendix)

Note 1: NYSE program trading totals include purchases and sales during regular trading hours, plus crossing session 2.

Note 2: Program Trading Totals in this report were compiled from member firms executed volume from NYSE's orders database.

NYSE Strategic Analysis

May 2016