

October 26 - October 30, 2015

**PROGRAM TRADING PURCHASES AND SALES**

Trading on NYSE  
(Average Daily - Millions) Current  
Week

Total Buy Programs	223.7
Total Sell Programs	215.6
Total CS2 Programs	<u>20.8</u>
Total Programs	460.0
Total NYSE Volume*	1,975.3
Program Trading as % of Total NYSE Buy + Sell Volume	<b>23.3%</b>

**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	-	359.5	359.5	53.7	305.7	16.3	375.8
BARCLAYS CAPITAL INC.	-	268.9	268.9	25.0	243.9	-	268.9
GOLDMAN, SACHS & COMPANY	-	236.5	236.5	218.5	17.9	4.4	240.8
MERRILL LYNCH, PIERCE, FENNER & SMITH, INC.	-	158.8	158.8	91.8	67.1	17.9	176.7
J.P. MORGAN SECURITIES LLC	-	133.7	133.7	51.0	82.7	38.2	171.9
SG AMERICAS SECURITIES, LLC	-	153.4	153.4	74.4	78.9	-	153.4
LATOUR TRADING LLC	-	140.6	140.6	140.6	-	-	140.6
INSTINET, LLC	2.8	107.8	110.6	9.3	101.3	-	110.6
DEUTSCHE BANK SECURITIES INC.	-	109.3	109.3	36.5	72.8	-	109.3
UBS SECURITIES LLC	-	107.3	107.3	4.4	102.9	-	107.3
CREDIT SUISSE SECURITIES (USA) LLC	0.4	82.0	82.4	28.7	53.7	-	82.4
BNP PARIBAS SECURITIES CORP	-	77.4	77.4	4.9	72.5	-	77.4
IMC CHICAGO, LLC, DBA IMC FINANCIAL	-	76.1	76.1	76.1	-	-	76.1
CITIGROUP GLOBAL MARKETS INC.	-	30.7	30.7	8.4	22.2	27.3	57.9
SIG BROKERAGE L.P.	-	43.7	43.7	-	43.7	-	43.7
ITG INC.	-	26.3	26.3	-	26.3	-	26.3
SANFORD C. BERNSTEIN & CO., LLC	-	25.3	25.3	-	25.3	-	25.3
TWO SIGMA SECURITIES, LLC	-	18.5	18.5	18.5	-	-	18.5
INTERACTIVE BROKERS LLC	0.5	8.9	9.5	-	9.5	-	9.5
RBC CAPITAL MARKETS LLC	3.3	3.3	6.7	1.8	4.9	-	6.7
<b>Total for 20 Member Firms</b>	<b>7.0</b>	<b>2,168.0</b>	<b>2,175.2</b>	<b>843.6</b>	<b>1,331.3</b>	<b>104.1</b>	<b>2,279.1</b>
<b>Total for All Firms Reporting</b>	<b>7.9</b>	<b>2,188.2</b>	<b>2,196.3</b>	<b>850.0</b>	<b>1,346.1</b>	<b>104.1</b>	<b>2,300.2</b>
<b>% of Total</b>	<b>0.3%</b>	<b>95.1%</b>	<b>95.5%</b>	<b>37.0%</b>	<b>58.5%</b>	<b>4.5%</b>	<b>100.0%</b>

+ 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

November 2015