

Class of Instrument	Equities - Shares & Depositary Receipts (T12)							
Notification if <1 average trade per business day in the previous year		No						
Top five investment firms ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	as a percentage of tot uted as percentage of tot ive orders sive orders cted orders						
RAYMOND JAMES & ASSOCIATES, INC. U40N QX15J3R08XCKE979	85.51 %	56.04 %	0.00 %	52.05 %	0.00 %			
COWEN AND COMPANY, LLC 549300WR155U7I VMIW58	11.16 %	40.37 %	0.00 %	10.19 %	0.00 %			
LINC	3.05 %	3.36 %	0.00 %	0.00 %	0.00 %			
MCAP	0.16 %	0.01 %	0.00 %	0.00 %	0.00 %			
PURE	0.12 %	0.22 %	0.00 %	0.00 %	0.00 %			
Interaction	Placement/transmission							
Report provided by LiquidMetrix								



Class of Instrument	Equities - Shares & Depositary Receipts (T34)							
Notification if <1 average trade per business day in the previous year	No							
Top five investment firms ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	as a percentage of tot uted as percentage of tot ive orders sive orders cted orders						
RAYMOND JAMES & ASSOCIATES, INC. U40N QX15J3R08XCKE979	96.56 %	90.76 %	0.00 %	28.77 %	0.00 %			
LINC	1.70 %	3.25 %	0.00 %	0.00 %	0.00 %			
COWEN AND COMPANY, LLC 549300WR155U70 VMIW58	1.10 %	2.26 %	0.00 %	47.05 %	0.00 %			
PURE	0.60 %	3.72 %	0.00 %	0.00 %	0.00 %			
BNPX	0.03 %	0.01 %	0.00 %	18.18 %	0.00 %			
Interaction	Placement/transmission							
Report provided by LiquidMetrix								



Class of Instrument	Equities - Shares & Depositary Receipts (T56)							
Notification if <1 average trade per business day in the previous year		No						
Top five investment firms ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	as a percentage of tot uted as percentage of tot ive orders sive orders cted orders						
RAYMOND JAMES & ASSOCIATES, INC. U40N QX15J3R08XCKE979	96.92 %	91.46 %	0.00 %	27.75 %	0.00 %			
COWEN AND COMPANY, LLC 549300WR155U7I VMIW58	1.65 %	2.94 %	0.00 %	48.62 %	0.00 %			
LINC	0.79 %	0.92 %	0.00 %	0.00 %	0.00 %			
PURE	0.57 %	4.64 %	0.00 %	0.00 %	0.00 %			
ALGO	0.03 %	0.01 %	0.00 %	0.00 %	0.00 %			
Interaction	Placement/transmission							
Report provided by LiquidMetrix								



Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities) No							
Notification if <1 average trade per business day in the previous year								
Top five investment firms ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	as a percentage of tot uted as percentage of tot ive orders sive orders cted orders						
RAYMOND JAMES & ASSOCIATES, INC. U40N QX15J3R08XCKE979	96.68 %	98.41 %	0.00 %	45.94 %	0.00 %			
COWEN AND COMPANY, LLC 549300WR155U70 VMIW58	2.36 %	0.75 %	0.00 %	37.50 %	0.00 %			
LINC	0.93 %	0.08 %	0.00 %	0.00 %	0.00 %			
PURE	0.02 %	0.75 %	0.00 %	0.00 %	0.00 %			
BNPX	0.01 %	0.01 %	0.00 %	100.00 %	0.00 %			
Interaction	Placement/transmission							
Report provided by LiquidMetrix								



Class of Instrument	Other instruments						
Notification if <1 average trade per business day in the previous year	Yes						
Top five investment firms ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class Proportion of orders exec uted as percentage of tot al in that class Percentage of pass ive orders ive orders Percentage of aggres sive orders cted orders						
RAYMOND JAMES & ASSOCIATES, INC. U40N QX15J3R08XCKE979	77.17 %	9.68 %	0.00 %	0.00 %	0.00 %		
LINC	22.83 %	90.32 %	0.00 %	0.00 %	0.00 %		
Interaction	Placement/transmission						
Report provided by LiquidMetrix							



Class of Instrument	Securitized Derivatives, Warrants and Certificate Derivatives						
Notification if <1 average trade per business day in the previous year	No						
Top five investment firms ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class Proportion of orders exec uted as percentage of tot al in that class Percentage of pass ive orders Percentage of aggres sive orders Percentage of aggres sive orders						
RAYMOND JAMES & ASSOCIATES, INC. U4ON QX15J3RO8XCKE979	100.00 %	100.00 %	0.00 %	58.31 %	0.00 %		
Interaction	Placement/transmission						
Report provided by LiquidMetrix							



Class of Instrument	Structured finance instruments					
Notification if <1 average trade per business day in the previous year	Yes					
Top five investment firms ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class Proportion of orders exec uted as percentage of tot al in that class Percentage of pass ive orders ive orders Percentage of aggres sive orders cted orders					
LINC	50.04 %	25.00 %	0.00 %	0.00 %	0.00 %	
COWEN AND COMPANY, LLC 549300WR155U7I VMIW58	49.96 %	75.00 %	0.00 %	0.00 %	0.00 %	
Interaction	Placement/transmission					
Report provided by LiquidMetrix						