

QUANTITATIVE ANALYTICS DATA SOURCES

MARKETQA AND QA DIRECT DATA SOURCES

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
INCLUDED IN CORE PACKAGE				
Datastream Equity Pricing	Datastream	Daily	Included*	Varies by region. See Pricing section below.
DJX Index Compositions	Thomson Reuters	Daily	Included	1975
Equity Corporate Actions	Datastream	Daily	Included	1975
Index Pricing	Datastream	Daily	Included	Varies by country, starting in 1950
Special Dates (FOMC, Auctions, etc.)	Thomson Reuters	Daily	Included	Varies with item
PRICING*				
Datastream Equity North America	Datastream	Daily	Thomson Reuters	1973
Datastream Equity Latin America	Datastream	Daily	Thomson Reuters	1982
Datastream Equity EMEA	Datastream	Daily	Thomson Reuters	UK 1965, Other countries from 1973
Datastream Equity Asia excluding Japan	Datastream	Daily	Thomson Reuters	1973
Datastream Equity Japan	Datastream	Daily	Thomson Reuters	1973
IDC Equity Pricing North America	IDC	Daily	Thomson Reuters	1975
IDC Global Pricing (100+ Countries, 100,000+ Securities)	IDC	Daily	Thomson Reuters	Varies by country, starting in 1986
CRSP Stocks	CRSP	Monthly	CRSP	1925
CRSP Indices	CRSP	Monthly	CRSP	1925
IDENTIFIERS				
RIC (QA Direct Only)	Thomson Reuters	Daily	Thomson Reuters	1990
CUSIP	CUSIP	Daily	S&P	1975
ISIN	ISIN	Daily	S&P	2007
SEDOL	LSE	Daily	LSE	1980
DERIVATIVES				
Options Pricing (Equities & Index)	IDC	Daily	Thomson Reuters	1979 primary exchange; 2005 all exchanges
Hanweck OVS Basic	IDC	Daily	Thomson Reuters	Jan. 1998
Hanweck OVS Volatilities	IDC	Daily	Thomson Reuters	Jan. 1998
Datastream Commodities	Datastream	Intraday	Thomson Reuters	1951, varies by region

* One Datastream Equities region is included in the base package pricing. Additional pricing selections are regarded as add-ons
Global Pricing is considered the combination of all pricing regions.

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
Datastream Futures	Datastream	Daily/Monthly	Thomson Reuters	1975
ECONOMIC DATA				
Datastream Economics	Datastream	Daily	Thomson Reuters	Varies by country, starting in 1950s
ESTIMATES DATA				
I/B/E/S Daily Means (Only included with L3 license)	I/B/E/S	Daily	Thomson Reuters	2001
I/B/E/S Daily Means International (Only included with L3 license)	I/B/E/S	Daily	Thomson Reuters	2001
I/B/E/S Global Aggr. – Standard & Poor Aggregates	I/B/E/S	Monthly/Weekly	Thomson Reuters	Wkly 2006, Main index 1985, Industry/sectors: 1985, GICS 1996
I/B/E/S Global Aggregates – Country Aggregates	I/B/E/S	Monthly/Weekly	Thomson Reuters	1985 for US/Canada, 1987 other markets, 1985 for index providers.
I/B/E/S Global Aggregates – Industry Aggregates	I/B/E/S	Monthly/Weekly	Thomson Reuters	1986 for US/Canada, 1987 other markets, 1985 for index providers.
I/B/E/S Global Aggregates – Russell Aggregates	I/B/E/S	Monthly/Weekly	Thomson Reuters	Weekly Jan 2006, Monthly from 2002
I/B/E/S Global Aggregates – Tokyo Indices Aggregates	I/B/E/S	Monthly/Weekly	Thomson Reuters	Weekly 2006, Main index 1988, Industry and Sectors 2000
I/B/E/S Guidance U.S.	I/B/E/S	Daily	Thomson Reuters	2002
I/B/E/S Guidance International	I/B/E/S	Daily	Thomson Reuters	2002
I/B/E/S International Consensus – Level 1	I/B/E/S	Intraday/Monthly	Thomson Reuters	1987 Monthly History plus Current
I/B/E/S International Consensus – Level 2	I/B/E/S	Intraday/Monthly	Thomson Reuters	1987 Monthly History plus Current
I/B/E/S International Consensus – Level 3	I/B/E/S	Intraday/Monthly	Thomson Reuters	1987 Monthly History plus Current
I/B/E/S International Detail and Consensus – Level 1	I/B/E/S	Intraday/Monthly	Thomson Reuters	1987 Monthly History plus Current
I/B/E/S International Detail and Consensus – Level 2	I/B/E/S	Intraday/Monthly	Thomson Reuters	1987 Monthly History plus Current
I/B/E/S International Detail and Consensus – Level 3	I/B/E/S	Intraday/Monthly	Thomson Reuters	1987 Monthly History plus Current



THOMSON REUTERS

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DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
I/B/E/S U.S. Consensus – Level 1	I/B/E/S	Intraday/ Monthly	Thomson Reuters	1976 Monthly History plus Current
I/B/E/S U.S. Consensus – Level 2	I/B/E/S	Intraday/ Monthly	Thomson Reuters	1976 Monthly History plus Current
I/B/E/S U.S. Consensus – Level 3	I/B/E/S	Intraday/ Monthly	Thomson Reuters	1976 Monthly History plus Current
I/B/E/S U.S. Detail and Consensus – Level 1	I/B/E/S	Intraday/ Monthly	Thomson Reuters	Consensus: 1976 Monthly History plus Current; Detail 1980
I/B/E/S U.S. Detail and Consensus – Level 2	I/B/E/S	Intraday/ Monthly	Thomson Reuters	Consensus: 1976 Monthly History plus Current; Detail 1980
I/B/E/S U.S. Detail and Consensus – Level 3	I/B/E/S	Intraday/ Monthly	Thomson Reuters	Consensus: 1976 Monthly History plus Current; Detail 1980
Reuters Estimates: Americas Current Detail	Thomson Reuters	Daily	Thomson Reuters	1999
Reuters Estimates: Americas Current Consensus	Thomson Reuters	Daily	Thomson Reuters	1999
Reuters Estimates: Americas Historical Detail	Thomson Reuters	Daily	Thomson Reuters	1999
Reuters Estimates: Americas Historical Consensus	Thomson Reuters	Daily	Thomson Reuters	1999
Reuters Estimates: Asia/Pacific Current Detail	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Asia/Pacific Current Consensus	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Asia/Pacific Historical Detail	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Asia/Pacific Historical Consensus	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Europe/Africa Current Detail	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Europe/Africa Current Consensus	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Europe/Africa Historical Detail	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Europe/Africa Historical Consensus	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Global Current Detail	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Global Current Consensus	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Global Historical Detail	Thomson Reuters	Daily	Thomson Reuters	1996
Reuters Estimates: Global Historical Consensus	Thomson Reuters	Daily	Thomson Reuters	1996
Toyo Keizai – Earnings Estimates Weekly	Toyo Keizai	Weekly	Toyo Keizai	Q3 1984

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
FIXED INCOME DATA				
Fixed Income CDS	Thomson Reuters	Daily	Thomson Reuters	Dec. 2007
Fixed Income CDS (CMA)	CMA	Daily	CMA	Jan. 2003
Fixed Income EJV Pricing	Thomson Reuters	Daily	Thomson Reuters	1993
Fixed Income EJV - T&C (Depository Trust Corporation T&C)	DTC	Daily	Thomson Reuters	1988
Fixed Income EJV - T&C (ISMA (Currently known as Xtrakter Ltd. T&C)	Xtrakter	Daily	Xtrakter	1992
Fixed Income EJV - T&C (KOSCOM T&C)	KOSCOM	Daily	KOSCOM	1997
Fixed Income EJV - Iss/Isr Ratings (Dominion Bond Rating Service Limited)	Dominion	Daily	Dominion	1944
Fixed Income EJV - Iss/Isr Ratings (Fitch Ratings Limited)	Fitch	Daily	Fitch	1946
Fixed Income EJV - Iss/Isr Ratings (Japan Credit Rating Agency)	JCRA	Daily	JCRA	1985
Fixed Income EJV - Iss/Isr Ratings (Moody's)	Moody's	Daily	Moody's	1972
Fixed Income EJV - Iss/Isr Ratings (R&I Japan)	R&I	Daily	R&I	1988
Fixed Income EJV - Iss/Isr Ratings (S&P Ratings)	S&P	Daily	S&P	1939
Fixed Income Corporates	IDC	Daily	Thomson Reuters	Jan. 1996
Fixed Income Corporates – Convertibles	IDC	Daily	Thomson Reuters	Jan. 2006
Fixed Income Governments	IDC	Daily	Thomson Reuters	Jan. 1996
Fixed Income Governments – Convertibles	IDC	Daily	Thomson Reuters	Jan. 2006
Fixed Income International: Corp. & Gov. – Convertibles	IDC	Daily	Thomson Reuters	Jan. 2006
Fixed Income International: Corporate & Government	IDC	Daily	Thomson Reuters	Jan. 1996
FUNDAMENTAL DATA				
ASSET4-Core	Thomson Reuters	Bi-Weekly	Thomson Reuters	2002
ASSET4 Premium Company Controversy	Thomson Reuters	Bi-Weekly	Thomson Reuters	2002
ASSET4 Premium Company Negative Screening	Thomson Reuters	Bi-Weekly	Thomson Reuters	2002
ASSET4 Premium Company Values	Thomson Reuters	Bi-Weekly	Thomson Reuters	2002
Compustat Banking	Compustat	Daily	S&P	20 Years Annual, 48 Qtrs, 240 months

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DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
Compustat Banking Historical	Compustat	Daily	S&P	1959 Annual, 1961 Interim
Compustat Vendor Historical – Annual	Compustat	Daily	S&P	1950
Compustat Vendor Historical – Quarterly	Compustat	Daily	S&P	1962
Compustat Global	Compustat	Daily	S&P	1982
Compustat Index Fundamentals	Compustat	Daily	S&P	1993 Annual, 1993 Interim, 1990 Monthly and 1984 Daily
Compustat Industry Specific Data	Compustat	Daily	S&P	1999 Annual, 2001 interim
Compustat Industry Specific Historical Data	Compustat	Daily	S&P	1951 Annual, 1962 interim
Compustat North America Data	Compustat	Daily	S&P	Jan. 1979
Compustat Pension Data	Compustat	Daily	S&P	Jan. 1979
Compustat Pension Historical Data	Compustat	Daily	S&P	1973 Annual, 2004 interim
Compustat Point-in-Time	Compustat	Monthly	S&P	1987 US, 1993 Canada
Compustat S&P Current Issuer Credit Ratings Data	Compustat	Daily	S&P	Current Month
Compustat S&P Issuer Credit Ratings Data	Compustat	Daily	S&P	1981 Monthly
Compustat Unrestated Qtly Backtest	Compustat	Monthly	S&P	1987 US, 1991 Canada
Compustat Unrestated Qtly Preliminary	Compustat	Weekly	S&P	1987 US, 1991 Canada
Compustat Utility	Compustat	Daily	S&P	1951 Annual, 1962 Interim
Reuters Fundamentals – Americas	Thomson Reuters	Daily	Thomson Reuters	1983 Annual, 1989 Interim
Reuters Fundamentals – Asia/Pacific	Thomson Reuters	Daily	Thomson Reuters	1996 Annual, 2000 Interim
Reuters Fundamentals – Europe/Africa	Thomson Reuters	Daily	Thomson Reuters	1997 Annual, 2001 Interim
Reuters Fundamentals – Global	Thomson Reuters	Daily	Thomson Reuters	1983 Americas, 1996 non-Americas
Reuters Fundamentals Point in Time – Americas	Thomson Reuters	Daily	Thomson Reuters	1989 Annual, 1989 Interim
Reuters Fundamentals Point in Time – Asia Pacific	Thomson Reuters	Daily	Thomson Reuters	1996 Annual, 2000 Interim
Reuters Fundamentals Point in Time – Europe/Africa	Thomson Reuters	Daily	Thomson Reuters	1997 Annual, 2001 Interim
Reuters Fundamentals Point in Time – Global	Thomson Reuters	Daily	Thomson Reuters	1983 Americas, 1997 non-Americas
RKD Business Intelligence – Long Business Description – North America (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	Current

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
RKD Business Intelligence – Major Customers – Americas (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	1996
RKD Business Intelligence – Major Customers – Asia Pacific (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	1996
RKD Business Intelligence – Major Customers – Europe/Africa (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	1996
RKD Business Intelligence – Competitors – North America (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	Current
RKD People – Officers and Directors – Americas (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	1988 – Collection; 1911 Data Start
RKD People – Officers and Directors – Asia Pacific (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	1988 – Collection; 1911 Data Start
RKD People – Officers and Directors – Europe/Africa (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	1988 – Collection; 1911 Data Start
RKD Significant Developments – Asia Pacific (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	2000
RKD Significant Developments – Europe/Africa (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	2000
RKD Significant Developments – North America (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	2000
Toyo Keizai – Fundamentals	Toyo Keizai	Daily/ Monthly	Toyo Keizai	1990
Toyo Keizai – Quarterly Fundamentals	Toyo Keizai	Daily/ Monthly	Toyo Keizai	Sept. 2001
Worldscope	Worldscope	Daily	Thomson Reuters	1980 Annual, 1998 Quarterly
Worldscope Point in Time	Worldscope	Daily	Thomson Reuters	1992
DATASTREAM INDEX DATA				
Constituents Mthly-NASDAQ OMX Weights	Datastream	Monthly	NASDAQ	2001 (varies by index)
Datastream Index Constituents – Base	Datastream	Daily/ Monthly	Thomson Reuters	Aug. 2008 Daily; Sept. 1989 Monthly
Datastream Index Constituents – Deutsche Borse	Datastream	Daily/ Monthly	Deutsche Borse	Aug. 2008 Daily; Jul. 2000 Monthly

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DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
Datastream Index Constituents – S&P/TSX	Datastream	Monthly	TSX	Jan. 2003
Datastream Index Constituents – Dow Jones Stoxx	Datastream	Daily/ Monthly	STOXX	Aug. 2008 Daily; Aug. 1999 Monthly
Datastream – S&P/Citigroup Indices/valuation ratios	Datastream	Monthly	S&P	Jun. 1989
Datastream Index Constituents – S&P ASX Weights	Datastream	Monthly	S&P	Mar. 2001
Datastream Index Constituents – S&P Global Weights (QA Direct only)	Datastream	Monthly	S&P	N/A
Datastream Index Constituents – CNX 100 Index (QA Direct only)	Datastream	Monthly	NSE India	Oct. 2007
Datastream Index Constituents – CNX IT Index (QA Direct only)	Datastream	Monthly	NSE India	Oct. 2007
Datastream Index Constituents – CNX Nifty Junior Index (QA Direct only)	Datastream	Monthly	NSE India	Oct. 2007
Datastream Index Constituents – PSU Bank Index (QA Direct only)	Datastream	Monthly	NSE India	Oct. 2007
Datastream Index Constituents – CNX NIFTY Index (QA Direct only)	Datastream	Monthly	NSE India	Aug. 2007
Datastream Index Constituents FTSE MPF	Datastream	Monthly	FTSE	Sept. 2007
Datastream Index Constituents – NASDAQ US Weights	Datastream	Monthly	NASDAQ	Jun. 2005
Datastream Index Constituents – NYSE Euronext Amsterdam (QA Direct only)	Datastream	Monthly	NYSE Euronext	Mar. 2002
Datastream Index Constituents – NYSE Euronext Brussels (QA Direct only)	Datastream	Monthly	NYSE Euronext	May 2002
Datastream Index Constituents – NYSE Euronext Lisbon (QA Direct only)	Datastream	Monthly	NYSE Euronext	Oct. 2002
Datastream Index Constituents – NYSE Euronext Next Group (QA Direct only)	Datastream	Monthly	NYSE Euronext	Oct. 2002
Datastream Index Constituents – NYSE Euronext Paris (QA Direct only)	Datastream	Monthly	NYSE Euronext	Oct. 2002
Datastream Index Constituents – DJ Sector Titans (QA Direct only)	Datastream	Monthly	Dow Jones	Jul. 2001

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
Dow Jones Sustainability	Datastream	Monthly	Dow Jones	Apr. 2002
FTSE AW Advanced Emerging	Datastream	Monthly	FTSE	Jul. 2000
FTSE AW All World	Datastream	Monthly	FTSE	Jul. 2000
FTSE AW Developed	Datastream	Monthly	FTSE	Jul. 2000
FTSE AW Emerging	Datastream	Monthly	FTSE	Jan. 1986
FTSE Global All Cap	Datastream	Monthly	FTSE	Sept. 2003
FTSE Global Small Cap	Datastream	Monthly	FTSE	Sept. 2003
FTSE Global Style	Datastream	Monthly	FTSE	Jul. 2002
FTSE Gold Mines	Datastream	Monthly	FTSE	Jan. 2004
FTSE Multinationals	Datastream	Monthly	FTSE	Aug. 2001
FTSE UK Investible Weights	Datastream	Monthly	FTSE	Jan. 2001
FTSE World American	Datastream	Monthly	FTSE	Jan. 1986
FTSE World Euro-Pacific	Datastream	Monthly	FTSE	Jan. 1986
FTSE World European	Datastream	Monthly	FTSE	Dec. 1985
FTSE World Pacific	Datastream	Monthly	FTSE	Jan. 1986
FTSE World	Datastream	Monthly	FTSE	Jan. 1986
FTSE/EPRA Constituents	Datastream	Monthly	FTSE	Aug. 2001
HSBC Smaller European & Trixie	Datastream	Monthly	HSBC	Jul. 2001

THOMSON REUTERS INDICES

Thomson Reuters Americas – Non-sector Indices	Thomson Reuters	Daily	Thomson Reuters	4/1/1999
Thomson Reuters Asia – Non-sector Indices	Thomson Reuters	Daily	Thomson Reuters	Apr. 1999
Thomson Reuters EMEA – Non-sector Indices	Thomson Reuters	Daily	Thomson Reuters	Apr. 1999
Thomson Reuters Global – Non-sector Indices	Thomson Reuters	Daily	Thomson Reuters	Apr. 1999
Thomson Reuters Americas – Sector Indices	Thomson Reuters	Daily	Thomson Reuters	Apr. 1999
Thomson Reuters Asia – Sector Indices	Thomson Reuters	Daily	Thomson Reuters	Apr. 1999
Thomson Reuters EMEA – Sector Indices	Thomson Reuters	Daily	Thomson Reuters	Apr. 1999
Thomson Reuters Global – Sector Indices	Thomson Reuters	Daily	Thomson Reuters	Apr. 1999

ADDITIONAL INDEX DATA

NDX Index Compositions	NASDAQ	Daily	NASDAQ	1998
Russell Index	Russell	Daily	Russell	5 year rolling window
Russell Index History	Russell	Daily	Russell	1979
Russell Index Premier	Russell	Daily	Russell	2009
Russell Microcap	Russell	Daily	Russell	5 year rolling window
Russell Microcap History	Russell	Daily	Russell	Jul. 2000

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DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
Russell MicroCap Premier	Russell	Daily	Russell	2009
Russell Top 50	Russell	Daily	Russell	5 year rolling window
Russell Top 50 History	Russell	Daily	Russell	1979
Russell Top 50 Premier	Russell	Daily	Russell	2009
S&P Index Compositions	S&P	Daily	S&P	100: Sept. 2000; 400: 1991; 500: 1990; 600: 1994
S&P US Indices	Datastream	Monthly	S&P	Sept. 2001
S&P BMI – Developed	S&P	Daily	S&P	1989
S&P BMI – Emerging	S&P	Daily	S&P	1989
S&P BMI – EPAC	S&P	Daily	S&P	1989
S&P BMI – Americas	S&P	Daily	S&P	1989
S&P BMI – Pan Europe	S&P	Daily	S&P	1989
S&P BMI – Pan Asia	S&P	Daily	S&P	1989
S&P BMI – Global Property / REIT	S&P	Daily	S&P	1989
S&P BMI – Global Large Mid Cap	S&P	Daily	S&P	1989
S&P BMI – Global Small Cap	S&P	Daily	S&P	1989
S&P BMI – Global Mid Small Cap	S&P	Daily	S&P	1989
S&P Global ASX Indices	S&P	Daily	S&P	Mar. 2000
S&P Global ASX Plus Indices	S&P	Daily	S&P	Mar. 2000
S&P Global ASX Securities	S&P	Daily	S&P	Mar. 2000
S&P Global ASX Constituents	S&P	Daily	S&P	Mar. 2000
S&P Global ASX Plus Constituents	S&P	Daily	S&P	Mar. 2000
S&P Global ASX Sedols	LSE	Daily	LSE	Mar. 2000
MSCI DATA				
MSCI All Country Sectors (ACS) AP Daily	MSCI	Daily	MSCI	1994
MSCI All Country Sectors (ACS) AP Monthly	MSCI	Monthly	MSCI	1994
MSCI All Country Sectors (ACS) DM Daily	MSCI	Daily	MSCI	1994
MSCI All Country Sectors (ACS) DM Monthly	MSCI	Monthly	MSCI	1994
MSCI All Country Sectors (ACS) EM Daily	MSCI	Daily	MSCI	1994
MSCI All Country Sectors (ACS) EM Monthly	MSCI	Monthly	MSCI	1994
MSCI Core AP Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI Core AP Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
MSCI Core DM Daily	MSCI	Daily	MSCI	Rolling 13 months Daily

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
MSCI Core DM Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
MSCI Core EM Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI Core EM Monthly	MSCI	Monthly	MSCI	Rolling 7 years monthly
MSCI Islamic Core AP Daily	MSCI	Daily	MSCI	History from May 31, 2007
MSCI Islamic Core AP Monthly	MSCI	Monthly	MSCI	History from May 31, 2007
MSCI Islamic Core DM Daily	MSCI	Daily	MSCI	History from May 31, 2007
MSCI Islamic Core DM Monthly	MSCI	Monthly	MSCI	History from May 31, 2007
MSCI Islamic Core EM Daily	MSCI	Daily	MSCI	History from May 31, 2007
MSCI Islamic Core EM Monthly	MSCI	Monthly	MSCI	History from May 31, 2007
MSCI MAC Enhanced Index Module Daily	MSCI	Daily	MSCI	Dec. 31, 1969 for Developed Markets, Dec. 31, 1987 for Emerging Markets
MSCI MAC Enhanced Index Module Monthly	MSCI	Monthly	MSCI	Dec. 31, 1969 for Developed Markets, Dec. 31, 1987 for Emerging Markets
MSCI Small Cap AP Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI Small Cap AP Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
MSCI Small Cap DM Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI Small Cap DM Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
MSCI Small Cap EM Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI Small Cap EM Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
MSCI VG Plus AP Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI VG Plus AP Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
MSCI VG Plus DM Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI VG Plus DM Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
MSCI VG Plus EM Daily	MSCI	Daily	MSCI	Rolling 13 months Daily
MSCI VG Plus EM Monthly	MSCI	Monthly	MSCI	Rolling 7 years Monthly
INSIDER & OWNERSHIP DATA				
Insider Data, United States	Thomson Reuters	Daily	Thomson Reuters	1996
Insider Data, Canada & United Kingdom	Thomson Reuters	Daily	Thomson Reuters	Canada 2003, United Kingdom 1998
Insider Data, Asia Pacific	Thomson Reuters	Daily	Thomson Reuters	Jun. 2008
Lancer Trading Models, United States	Thomson Reuters	Daily	Thomson Reuters	1996
Ownership Data	Thomson Reuters	Daily	Thomson Reuters	1997
MERGERS & ACQUISITION DATA				
Deals (M&A) – U.S.	Thomson Reuters	Daily	Thomson Reuters	1978
Deals (M&A) – Non-U.S.	Thomson Reuters	Daily	Thomson Reuters	1981

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DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
Deals (M&A) – Freeman Fees- U.S.	Freeman Fees	Daily	Freeman Fees	1994
Deals (M&A) – Freeman Fees- Non- U.S.	Freeman Fees	Daily	Freeman Fees	1994
MODELS				
Axioma US Medium Horizon Fundamental Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1982
Axioma US Medium Horizon Statistical Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1982
Axioma US Short Horizon Fundamental Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1982
Axioma US Short Horizon Statistical Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1982
Axioma World Wide Medium Horizon Fundamental Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1999
Axioma World Wide Medium Horizon Statistical Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1999
Axioma – World Wide Short Horizon Fundamental Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1999
Axioma – World Wide Short Horizon Statistical Model (QA Direct only)	Axioma	Daily	Axioma	Jan. 1999
Axioma Optimizer (QA Direct only)	Axioma	N/A	Axioma	N/A
Ford Equity International Current Data	Ford	Bi-Monthly	Ford	Current
Ford Equity International Historical Data	Ford	Bi-Monthly	Ford	1987
Ford Equity U.S. Current Data	Ford	Daily	Ford	Current
Ford Equity US Historical Data	Ford	Monthly	Ford	1970
Lancer Insider Trading Model	Thomson Reuters	Weekly	Thomson Reuters	1990
Lancer Insider Trading Model 2	Thomson Reuters	Daily	Thomson Reuters	1990
MSCI Barra – Australia Long-Term Equity Model (AUE4L) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	Jun. 1995
MSCI Barra – Australia Short-Term Equity Model (AUE4S) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	Jun. 1995
MSCI Barra – Australia Long-Term Equity Model (AUE3L)	MSCI	Daily/ Monthly	MSCI	May 1989
MSCI Barra – Australia Short-Term Equity Model (AUE3S)	MSCI	Daily/ Monthly	MSCI	May 1989

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
MSCI Barra – Argentina Equity Model (ARE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Asia Pacific Equity Model Long-Term (ASE1JPNL) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History: Jan. 1995; Risk: Jul. 2008
MSCI Barra – Asia Pacific Equity Model Short-Term (ASE1JPNS) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History: Jan. 1995; Risk: Jul. 2008
MSCI Barra – Asia Pacific ex Japan Equity Model Long-Term (ASE1XJPL) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History: Jan. 1995; Risk: Jul. 2008
MSCI Barra – Asia Pacific ex Japan Equity Model Short-Term (ASE1XJPS) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History: Jan. 1995; Risk: Jul. 2008
MSCI Barra – Asia Pacific ex Japan and China A Equity Model Long-Term (ASE1XJCL) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History: Jan. 1995; Risk: Jul. 2008
MSCI Barra – Asia Pacific ex Japan and China A Equity Model Short-Term (ASE1XJCS) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History: Jan. 1995; Risk: Jul. 2008
MSCI Barra – Bahrain Equity Model (BHE1)	MSCI	Daily/ Monthly	MSCI	Jan. 2000
MSCI Barra – Brazil Equity Model (BRE2)	MSCI	Daily/ Monthly	MSCI	Oct. 1997
MSCI Barra Canada Long-Term Equity Model (CAE5L) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	Jun. 1995
MSCI Barra Canada Short-Term Equity Model (CAE5S) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	Jun. 1995
MSCI Barra Canada Long-Term Equity Model (CNE4L)	MSCI	Daily/ Monthly	MSCI	Feb. 1984
MSCI Barra Canada Short-Term Equity Model (CNE4S)	MSCI	Daily/ Monthly	MSCI	Feb. 1984
MSCI Barra – Chile Equity Model (CLE1)	MSCI	Daily/ Monthly	MSCI	Sept. 1997
MSCI Barra – China Equity Model (CHE2)	MSCI	Daily/ Monthly	MSCI	Jan. 1996
MSCI Barra – Colombia Equity Model (COE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Czech Republic Equity Model (CZE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME Egypt Equity Model (EGE1)	MSCI	Daily/ Monthly	MSCI	Sept. 1997
MSCI Barra – Europe Long-Term Equity Model (EUE3L)	MSCI	Daily/ Monthly	MSCI	Jan. 1997

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DATA SOURCE UPDATES LICENSE DATA START DATE

MSCI Barra – Europe Short-Term Equity Model (EUE3S)	MSCI	Daily/ Monthly	MSCI	Jan. 1995
MSCI Barra – Europe Long-Term Base Equity Model (EUE3LBAS)	MSCI	Daily/ Monthly	MSCI	Jan. 1995
MSCI Barra – Long-Term Eastern Europe Derived Equity Model (EUE3LDEE)	MSCI	Daily/ Monthly	MSCI	Jan. 1995
MSCI Barra – Long-Term Eastern UK Derived Equity Model (EUE3LDUK)	MSCI	Daily/ Monthly	MSCI	Jan. 1995
MSCI Barra – Short-Term Base Europe Equity Model (EUE3SBAS)	MSCI	Daily/ Monthly	MSCI	Jan. 1995
MSCI Barra – Short-Term Eastern Europe Derived Equity Model (EUE3SDEE)	MSCI	Daily/ Monthly	MSCI	Jan. 1995
MSCI Barra – Short-Term Eastern UK Derived Equity Model (EUE3SDUK)	MSCI	Daily/ Monthly	MSCI	Jan. 1995
MSCI Barra Global Equity Model – Long-Term (GEM3L) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	Dec. 1996
MSCI Barra Global Equity Model – Short-Term (GEM3S) (QA Direct only)		Daily/ Monthly	MSCI	Dec. 1996
MSCI Barra Global Equity Model – Long-Term (GEM2L)	MSCI	Daily	MSCI	1996
MSCI Barra Global Equity Model – Short-Term (GEM2S)	MSCI	Daily/ Monthly	MSCI	1996
MSCI Barra – Hong Kong Equity Model (HKE1)	MSCI	Daily/ Monthly	MSCI	Jan. 1997
MSCI Barra – BIME Hungary (HUE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME India (INE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME Indonesia (IDE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME Israel (ILE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Japan Long-Term Equity Model (JPE3L)	MSCI	Daily/ Monthly	MSCI	Feb. 1980
MSCI Barra – Japan Short-Term Equity Model (JPE3S)	MSCI	Daily/ Monthly	MSCI	Feb. 1984
MSCI Barra – Jordan Equity Model (JOE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Korea Equity Model (KRE2)	MSCI	Daily/ Monthly	MSCI	Oct. 1997
MSCI Barra – Kuwait Equity Model (KWE1)	MSCI	Daily/ Monthly	MSCI	Jun. 2005

DATA SOURCE UPDATES LICENSE DATA START DATE

MSCI Barra – Malaysia Equity Model (MLE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Mexico Equity Model (MXE1)	MSCI	Daily/ Monthly	MSCI	Oct. 1997
MSCI Barra – Morocco Equity Model (MOE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – New Zealand Equity Model (NZE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Nigeria Equity Model (NGE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Oman Equity Model (OME1)	MSCI	Daily/ Monthly	MSCI	Jan. 2000
MSCI Barra – Pakistan Equity Model (PKE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Peru Equity Model (PEE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Philippines Equity Model (PHE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Poland Equity Model (PLE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME Qatar (QAE1)	MSCI	Daily/ Monthly	MSCI	Jun. 2005
MSCI Barra – Russia Equity Model (RUE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – Saudi Arabia Equity Model (SUE1)	MSCI	Daily/ Monthly	MSCI	Oct. 1998
MSCI Barra – Singapore Equity Model (SGE1)	MSCI	Daily/ Monthly	MSCI	Feb. 1997
MSCI Barra – Slovakia Equity Model (SKE1)	MSCI	Daily/ Monthly	MSCI	Dec. 1997
MSCI Barra – Sri Lanka Equity Model (LKE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – South Africa Equity Model (SAE3)	MSCI	Daily/ Monthly	MSCI	Oct. 1997
MSCI Barra – Taiwan Equity Model (TWE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME Turkey (TRE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – UK Equity Model (UKE7L)	MSCI	Daily/ Monthly	MSCI	Feb. 1981
MSCI Barra – US Long-Term Equity Model (USE4L) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History: Jun. 1995; Daily Risk Jul. 2008
MSCI Barra – US Short-Term Equity Model (USE4S) (QA Direct only)	MSCI	Daily/ Monthly	MSCI	History Jun. 1995; Daily: Risk Jul. 2008
MSCI Barra – US Long-Term Equity Model (USE3L)	MSCI	Monthly	MSCI	Feb. 1973
MSCI Barra – US Short-Term Equity Model (USE3S)	MSCI	Monthly	MSCI	Feb. 1973

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DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
MSCI Barra – US Small Cap Equity Model (U3SC)	MSCI	Monthly	MSCI	Jul. 1981
MSCI Barra – BIME United Arab Emirates (AEE1)	MSCI	Daily/ Monthly	MSCI	Jun. 2005
MSCI Barra – BIME Venezuela (VEE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME Zimbabwe (ZWE1)	MSCI	Daily/ Monthly	MSCI	Sep. 1997
MSCI Barra – BIME Covariance	MSCI	Monthly	MSCI	Oct. 1997
MSCI Barra – BIME Global Factors	MSCI	Monthly	MSCI	Oct. 1997
Northfield – APT Model	Northfield	Monthly	Northfield	Mar. 1994
Northfield – FND Model	Northfield	Monthly	Northfield	Jan. 1990
Northfield – REIT Model	Northfield	Monthly	Northfield	Aug. 1996
Northfield – Global Model	Northfield	Monthly	Northfield	Jan. 1990
Northfield – European Model (Regional)	Northfield	Monthly	Northfield	Jan. 1990
Northfield- Everything Everywhere Model	Northfield	Monthly	Northfield	2004
Northfield- Everything Everywhere Model- Short Horizon	Northfield	Monthly	Northfield	2004
Northfield – PacRim Model (Regional)	Northfield	Monthly	Northfield	Jan. 1990
Northfield – Single Country Australian Model	Northfield	Monthly	Northfield	Jan. 1990
Northfield – Single Country Canadian Model	Northfield	Monthly	Northfield	Dec. 1994
Northfield – Single Country Chinese Model	Northfield	Monthly	Northfield	Dec. 1998
Northfield – Single Country Japanese Model	Northfield	Monthly	Northfield	Jan. 1990
Northfield – Single Country Swiss Model	Northfield	Monthly	Northfield	Jan. 1990
Northfield – Single Country United Kingdom Model	Northfield	Monthly	Northfield	Jan. 1990
Northfield – Single Country US Model	Northfield	Monthly	Northfield	Jan. 1990
Northfield – FND Short Horizon Model	Northfield	Bi-Monthly	Northfield	Jan. 1990
NorthField – APT Short Horizon Model	Northfield	Bi-Monthly	Northfield	Mar. 1994
Northfield – Single Country Australian Short Horizon Model	Northfield	Bi-Monthly	Northfield	Jan. 1990
NorthField – SC Canadian Model Code – Short Horizon	Northfield	Bi-Monthly	Northfield	Dec. 1994

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
NorthField – SC Chinese Model Code – Short Horizon	Northfield	Bi-Monthly	Northfield	Dec. 1998
NorthField – European Model Code – Short Horizon	Northfield	Bi-Monthly	Northfield	Jan.1990
NorthField – SC Swiss Model Code – Short Horizon	Northfield	Bi-Monthly	Northfield	Jan.1990
NorthField – SC UK Model Code – Short Horizon	Northfield	Bi-Monthly	Northfield	Jan.1990
NorthField – SC Japanese Model Code – Short Horizon	Northfield	Bi-Monthly	Northfield	Jan.1990
NorthField – PacRim Model Code – Short Horizon	Northfield	Bi-Monthly	Northfield	Jan.1990
Northfield Optimizer (MarketQA only – Contains no data)	Northfield	Bi-Monthly	Northfield	N/A

THOMSON REUTERS MODELS

StarMine America ARM Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 1998; MarketQA Daily: 30 months rolling; Monthly: 1995
StarMine Europe & Africa ARM Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 1998; MarketQA Daily: 30 months rolling; Monthly: 1995
StarMine Asia Pacific ARM Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 1998; MarketQA Daily: 30 months rolling; Monthly: 1995
StarMine America Smart Holdings Model (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	2000
StarMine Europe/ Africa Smart Holdings Model (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	2000
StarMine Asia Pacific Smart Holdings Model (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	2000
StarMine America EQ Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 2009; MarketQA Daily: 30 months rolling; Monthly: 1999
StarMine Europe & Africa EQ Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 2009; MarketQA Daily: 30 months rolling; Monthly: 1999
StarMine Asia Pacific EQ Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 2009; MarketQA Daily: 30 months rolling; Monthly: 1999
StarMine America IV & RV Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 2009; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine Europe & Africa IV & RV Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 2009; MarketQA Daily: 30 months rolling; Monthly: 1998

QUANTITATIVE ANALYTICS DATA SOURCES

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
StarMine Asia Pacific IV & RV Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Jan 2009; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine America Val-Mo Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Oct 2009; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine Europe & Africa Val-Mo Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Oct 2009; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine Asia Pacific Val-Mo Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Oct 2009; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine America Price Mo Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Oct 1998; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine Europe & Africa Price Mo Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Oct 1998; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine Asia Pacific Price Mo Model	Thomson Reuters	Daily	Thomson Reuters	QA Direct Daily: Oct 1998; MarketQA Daily: 30 months rolling; Monthly: 1998
StarMine America Structural Credit Risk Model (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	Jan. 1998
StarMine Europe & Africa Structural Credit Risk Model (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	Jan. 1998
StarMine Asia Pacific Structural Credit Risk Model (QA Direct only)	Thomson Reuters	Daily	Thomson Reuters	Jan. 1998
SECTOR & INDUSTRY DATA				
Thomson Reuters Business Classifications (TRBC 2012)	Thomson Reuters	Daily	Thomson Reuters	2000
GICS Direct (U.S. & Global)	MSCI/S&P	Daily	S&P	Current

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
GICS History (U.S. only)	S&P	Daily	S&P	1985
ICB	FTSE	Daily	FTSE	Oct. 2009
SHORT INTEREST DATA				
Markit Securities Finance – Americas (Formerly Data Explorers)	Markit Securities Finance	Daily	Markit	Jan. 2004
Markit Securities Finance – Europe (Formerly Data Explorers)	Markit Securities Finance	Daily	Markit	Jan. 2004
Markit Securities Finance – Asia Pacific ex. Australia, ex Japan (Formerly Data Explorers)	Markit Securities Finance	Daily	Markit	Jan. 2004
Markit Securities Finance – Australia (Formerly Data Explorers)	Markit Securities Finance	Daily	Markit	Jan. 2004
Markit Securities Finance – Japan (Formerly Data Explorers)	Markit Securities Finance	Daily	Markit	Jan. 2004
Short Interest – NYSE	NYSE	Bi-Monthly	Thomson Reuters	Jan. 2001
Short Interest – NASDAQ	NASDAQ	Bi-Monthly	Thomson Reuters	Jan. 1995
Short Interest – AMEX	AMEX	Bi-Monthly	Thomson Reuters	Jan. 1995
Short Interest – ARCA	ARCA	Bi-Monthly	Thomson Reuters	Nov. 2008
Short Interest – OTC	OTC	Bi-Monthly	Thomson Reuters	Jul. 2006

FASTICK DATA SOURCES

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
FASTICK HISTORICAL INTEGRATED DATA SOURCES (Also Integrated in MarketQA)				
Trade & Quote	NYSE	Daily	NYSE	1994
U.S. Equity Trade & Quote Equivalent	Thomson Reuters	Daily	Thomson Reuters	Jul. 2007; one archive per day
CQG Futures Tick Data	CQG	Daily	CQG	Varies by Commodity
Canadian Equity Trade & Quote Data	TSX	Daily	TSX	Jan. 4, 2000
International Tick Data (23 European Exchanges)	Thomson Reuters	Daily	Thomson Reuters	History back to Jan. 23, 2006
THOMSON REUTERS NEWS ANALYTICS				
RNSE Commodities & Energy	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – All Global Exchanges	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE EQUITY – AMERICAS REGION				
RNSE Equity – Americas – Canada – The Toronto Stock Exchange	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – Americas – US – NASDAQ	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – Americas – New York Stock Exchange and American Stock Exchange	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – Americas – All Other Americas markets	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE EQUITY – APAC REGION				
RNSE Equity – APAC– Australia – Australian Stock Exchange Ltd	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – APAC – Japan – Tokyo Stock Exchange	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – APAC – All other APAC Markets	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE EQUITY – EMEA REGION				
RNSE Equity – EMEA – UK – London Stock Exchange	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – EMEA – Euronext	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – EMEA – Germany – Xetra	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – EMEA – OMX	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
RNSE Equity – EMEA – All other EMEA Markets	Thomson Reuters	Daily	Thomson Reuters	Jan. 2003
THOMSON REUTERS MACHINE READABLE NEWS ARCHIVE (ALL HISTORY)				
RNA – REUTERS COMPANY NEWS (CORPORATE EVENTS)				
RNA – Reuters Company News – Americas region	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – Reuters Company News – EMEA region	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – Reuters Company News – APAC region	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – Reuters Company News – Global	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – Reuters Macro Economics (Economic Indicators and News)	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – Reuters General news (Politics, C&E, Sports, etc)	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – All Reuters News	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – Third-party Corporate Releases – Global Package	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
RNA – Third-party Corporate Releases – US Market Package (Marketwire, PR Newswire, Business Wire, Prime newswire)	Thomson Reuters	Daily/Monthly	Thomson Reuters	Jan. 2003
THOMSON REUTERS TICK HISTORY				
AMERICAS				
Consolidated Issue Listed on Nasdaq Global Select Market	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Consolidated Issue Listed on NYSE ARCA	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Consolidated Issue, listed by AMSE	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Consolidate Issue, listed by NYSE	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Mexican Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Nasdaq Consolidate Capital Market	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Nasdaq Consolidated Large Cap	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
New York Stock Exchange Equities regional	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Toronto Stock Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
US 'Other OTC' (Pink Sheets)	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Brazilian Commodities and Futures Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Sao Paulo Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
ASIA PACIFIC				
Australian Stock Exchange – SEATS	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Jakarta Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996



FASTICK DATA SOURCES

DATA	SOURCE	UPDATES	LICENSE	DATA START DATE
Korea Exchange – KSE	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Korea Securities Dealers Association Quotation Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Kuala Lumpur Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
National Stock Exchange of India Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Osaka Securities Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Shanghai Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Shenzhen Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Singapore Exchange Securities Trading Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Stock Exchange of Hong Kong Limited	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Taiwan OTC Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Taiwan Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Tokyo Stock Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
EUROPE				
Copenhagen Stock Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Deutsche Borse – XETRA	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Dow Jones Stoxx Indices	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Euronext Amsterdam (Amsterdam Exchanges)	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Euronext Paris (ex Paris Stock Exchange)	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Frankfurt Stock Exchange Equities	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Helsinki Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Italian Stock Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
London Stock Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Oslo Stock Exchange	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
SIBE – Mercado continuo Espanol	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Stockholmsborsen – cash (ex Stockholm Stock Exchange)	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996
Swiss Exchange (Elektronische Boersen Schwiez)	Thomson Reuters	Intraday	Thomson Reuters	Jan. 1996

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