

STOCK & INDEX RELEASE NOTES

DECEMBER 2017 ANNUAL UPDATE

These release notes pertain to the December 2017 Annual release of the CRSP US Stock and Index databases, available in January 2018. Data edits are cumulative for the calendar year ending December 2017

DECEMBER 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
10126	ONE VALLEY BANCORP INC	Updated closing bid and closing ask values for 19860320-19861119
60821	PACIFIC WESTERN BANCSHARES	Updated closing bid and closing ask values for 19831109-19850415
85343	SECURITY CAPITAL GROUP INC	Changed closing prices and bid/ask averages on various dates between 20011217-20020228
17118	EATON VANCE NEXTSHARES TR II	Changed share code to 77 from 73 for entire history. Removed from subscriber database.
17039	CONSOL ENERGY INC NEW	Changed shares outstanding to 27968 from 230104 for entire history.
87068	FREESERVE PLC	Changed start of 'Regular Way' trading to 19990728 from 19990802
10945	ENTOURAGE INTERNATIONAL INC	Removed nameline on 19910118
11671	J B OXFORD HOLDINGS INC	Removed nameline on 20051230
27247	CORDATUM INC	Removed nameline on 19900727
37664	FREEDOM SAVINGS & LN ASSOC TAMPA	Removed nameline on 19860918
52741	MELRIDGE INC	Removed nameline on 19871224
72777	STATEWIDE BANCORP N J	Removed nameline on 19910529
77483	I C G COMMUNICATIONS INC	Removed nameline on 20001116
89039	H P L TECHNOLOGIES INC	Removed nameline on 20020724
13259	AMERICAN LEISURE CORP DE	Changed SIC code to 7011 from 0 for 19821124-19840706 and share code to 11 from 10 for entire history
13275	AMERICAN LEISURE CORP DE	Changed company name to AMERICAN LEISURE CORP DE from AMERICAN LEISURE CORP NJ and cusip to 02714820 from 02715030 for 19821124-19840706 and share code to 11 from 10 for entire history

GROUP EDITS

BEGDT	ENDDT	DESC
19721214	19851118	Remove all name history records for securities with exchange code in (0,9,10,13,16,17,19 or 20) at the beginning of name history. 144 permnos were updated. The project is 100% complete.
1962	2017	Reviewed all securities with the same first six cusip characters and different concurrent SIC codes. SIC code changes were made to have consistency on a company level for 40 securities.
1969	1972	Changed name date to 19721214 for securities with Nasdaq exchange code and name date earlier than 19721214. 105 permnos were updated. The project is 100% complete.
2010	2017	Reviewed the 2010 reorganizations where all securities with permco 34961 had company name and cusip changes. Instead of keeping the name and cusip changes in the database, we gave 15 securities new permnos and permcos beginning 20100601 due to each of them having new individual cusip-6s assigned and added delisting information to their predecessors.

NOVEMBER 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
91234	MUELLER WATER PRODUCTS INC	Changed distribution code to 1232 from 1222 on ex-date 20170809
82215	AMERI HOLDINGS INC	Added zero namelines for the period 19990104 -20171116 to reflect off exchange trading.
17017	NUVERRA ENVIRONMENTAL SOLUTS INC	Changed Shares Outstanding to 11696 from 150955 for 20171012 - 20171130
13267	CAESARS ENTERTAINMENT CORP	Changed Shares Outstanding to 704131 from 149146 for 20170929 - 20171130
50606	TIDEWATER INC NEW	Changed Shares Outstanding to 18389 from 1500 for 20170801 - 20170830, to 20738 from 47121 for 20170929 - 20171030, and to 21915 from 47121 for 20171031 - 20171130
16614	MULESOFT INC	Changed Shares Outstanding to 70114 from 24068 for 20170929 - 20171030 and to 74905 from 24068 for 20171031 - 20171130
14564	ENABLE MIDSTREAM PARTNERS LP	Changed Shares Outstanding to 432567 from 224702 for 20170929 - 20171130
15302	VIRTU FINANCIAL INC	Changed Shares Outstanding to 87082 from 40975 for 20170809 - 20170928 and to 89257 from 40975 for 20170929 - 20171108

OCTOBER 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
15441	YULONG ECOMATERIALS LTD	Added zero nameline for the period 20170711-20171001 to reflect off exchange trading.
88258	PHOTOMEDEX INC	Added zero name line from 20170707-20171001 to reflect off exchange trading.
16629	DIGILITI MONEY GROUP INC	Changed end date to 20170819 from 20170929

SEPTEMBER 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
12080	GORDMANS STORES INC	Changed delist code to 574 from 572 on 20170321
43289	CHICAGO ROCK IS & PAC RR CO	Changed share code to 21 from 20 for entire history
16876	ISHARES TRUST	Changed SIC code to 6726 from 9999 for entire history
16288	FIRST TRUST E T F VIII	Changed company name to FIRST TRUST E T F VIII from FIRST TR EXCHANGE TRADED FD VIII for entire history
16302	FIRST TRUST E T F VIII	Changed company name to FIRST TRUST E T F VIII from FIRST TR EXCHANGE TRADED FD VIII for entire history
16588	FIRST TRUST E T F VIII	Changed company name to FIRST TRUST E T F VIII from FIRST TR EXCHANGE TRADED FD VIII for entire history
16761	E T F SERIES SOLUTIONS	Changed company name to E T F SERIES SOLUTIONS from CLEARSHARES LLC for entire history
92056	FIRST TRUST EXCHANGE TRADED FUND	Changed company name to FIRST TRUST EXCHANGE TRADED FUND from FIRST TRUST I S E CHINDIA IND FD for entire history
16796	FIRST TRUST E T F VI	Changed company name to FIRST TRUST E T F VI from FIRST TR EXCHANGE TRADED FD VI for entire history
16797	FIRST TRUST E T F VI	Changed company name to FIRST TRUST E T F VI from FIRST TR EXCHANGE TRADED FD VI for entire history
16798	FIRST TRUST E T F VI	Changed company name to FIRST TRUST E T F VI from FIRST TR EXCHANGE TRADED FD VI for entire history
16799	FIRST TRUST E T F VI	Changed company name to FIRST TRUST E T F VI from FIRST TR EXCHANGE TRADED FD VI for entire history
16800	FIRST TRUST E T F VI	Changed company name to FIRST TRUST E T F VI from FIRST TR EXCHANGE TRADED FD VI for entire history
16801	FIRST TRUST E T F VI	Changed company name to FIRST TRUST E T F VI from FIRST TR EXCHANGE TRADED FD VI for entire history
86217	VALERO NATURAL GAS PARTNERS LP	Changed share code to 81 from 80 for 19920102-19920531 and to 71 from 70 for 19920601-19940531

PERMNO	COMNAM	DESC
16432	GOODYEAR TIRE & RUBBER CO	Changed company name to GOODYEAR TIRE & RUBBER CO from GOODYEAR TIRE & RUBR CO for 19270805-19620701
15317	WESTERN MARYLAND RY CO	Changed company name to WESTERN MARYLAND RY CO from WESTERN MD RY CO for 19251231-19620701
15900	LEGG MASON ETF INVESTMENT TR	Changed company name to LEGG MASON ETF INVESTMENT TR from LEGG MASON ETF EQUITY TR for 20170215-present
15901	LEGG MASON ETF INVESTMENT TR	Changed company name to LEGG MASON ETF EQUITY TR from LEGG MASON ETF INVESTMENT TR on 20170215
15903	LEGG MASON ETF INVESTMENT TR	Changed company name to LEGG MASON ETF EQUITY TR from LEGG MASON ETF INVESTMENT TR on 20170215
15910	LEGG MASON ETF INVESTMENT TR	Changed company name to LEGG MASON ETF EQUITY TR from LEGG MASON ETF INVESTMENT TR on 20170215
16526	LEGG MASON ETF INVESTMENT TR	Changed company name to LEGG MASON ETF EQUITY TR from LEGG MASON ETF INVESTMENT TR on 20170215
27553	SPARTANS INDUSTRIES INC	Changed header cusip to 84799390 from 84721890 for entire history
90430	FENNEC PHARMACEUTICALS INC	Added zero name lines for the period 20090130-20170912 to reflect off exchange trading.
93902	EXELA TECHNOLOGIES INC	Changed company name from QUINPARIO ACQUISITION CORP 2 to EXELA TECHNOLOGIES INC, ticker from QPACW to XELAW, and cusip from 74874U11 to 30162V11

AUGUST 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
10428	AMERICAN TOB CO	Changed share code to 11 from 10 for entire history
12423	INDIAN REFNG CO	Changed share code to 21 from 20 for entire history
12589	INTERNATIONAL PAPER CO OLD	Changed share code to 11 from 10 for entire history
14808	TOBACCO PRODS CORP	Changed share code to 11 from 10 for entire history
16010	VULCAN DETINNING CO	Changed share code to 11 from 10 for entire history
16061	REYNOLDS R J TOB CO	Changed share code to 11 from 10 for entire history
16694	TOBACCO PRODS CORP	Changed share code to 21 from 20 for entire history
16889	TOBACCO PRODS CORP	Changed share code to 21 from 20 for entire history
16942	TOBACCO PRODS CORP	Changed share code to 21 from 20 for entire history
19473	INDIAN REFNG CO	Changed share code to 11 from 10 for entire history
20749	COLUMBIA BROADCASTING SYS INC	Changed share code to 11 from 10 for entire history
21880	WESTERN UNION TELEGRAPH CO	Changed share code to 11 from 10 for entire history
75152	BANCO SANTANDER S A	Changed distribution code to 1292 from 1232 on ex-date 20170718
79166	GERMAN AMERICAN BANCORP INC	Changed distribution code to 1232 from 1222 on ex-date 20170508
90350	VANGUARD INDEX FUNDS	Changed Company Name to VANGUARD INDEX FUNDS from VANGUARD SPECIALIZED FUNDS for entire history
16075	FIRST TRUST EXCHANGE TRADED FUND	Changed Company Name to FIRST TRUST EXCHANGE TRADED FUND from FIRST TRUST E T F for entire history
16510	ABSOLUTE SHARES TRUST	Changed Company Name to ABSOLUTE SHARES TRUST from ABSOLUTE SHARES TR for entire history
16511	D B X ETF TRUST	Changed Company Name to D B X ETF TRUST from D B X E T F TRUST for entire history

PERMNO	COMPANY NAME	DESCRIPTION
16516	JOHN HANCOCK E T F TRUST	Changed Company Name to JOHN HANCOCK E T F TRUST from JOHN HANCOCK E T F TR for entire history
92373	D B X EXCHANGE TRADED FUNDS INC	Changed Company Name to D B X EXCHANGE TRADED FUNDS INC from D B X EXCHANGE TRADED FUNDS IN for 20110617-20150518
26067	SPARTANS INDUSTRIES INC NEW	Changed Company Name to SPARTANS INDUSTRIES INC NEW from SPARTANS INDUSTRIES INC for 19660926-19710226
27553	SPARTANS INDUSTRIES INC	Changed Company Name to SPARTANS INDUSTRIES INC from SPARTANS INDS INC for entire history
88649	APOLLO GROUP INC	Name changed from APOLLO GROUP INC U OF PHOENIX to APOLLO GROUP INC for the entire history
87436	WALT CO INTERNET GROUP	Name change from DISNEY WALT CO INTERNET GROUP to DISNEY WALT CO from 20000807-20010319
75255	FIRST INTERSTATE BANCORP	name change from FIRST INTERSTATE BANCORPORATIO to FIRST INTERSTATE BANCORP for the entire history
40628	HACH CO	Name change from HACH COMPANY to HACH CO for 19800917 -19990714
85469	HACH CO	Name change from HACH CORP to HACH CO for the entire history
67707	NICHOLS INSTITUTE	Name change from NICHOLS INSTITUTE INC to NICHOLS INSTITUTE for the entire history
70949	PETROLEUM HEAT & POWER CO INC	Name change from PETROLEUM HEAT & PWR INC to PETROLEUM HEAT & POWER CO INC for the entire history
79540	PITTSTON CO	Name change from PITTSTON COMPANY to PITTSTON CO for the entire history
18649	BRINKS CO	Name change from PITTSTON COMPANY to PITTSTON CO for 19300306 - 20020101
82797	PITTSTON CO	Name change from PITTSTON COMPANY to PITTSTON CO for 19960103 - 19980503 and PITTSTON BAX GROUP to PITTSTON CO for 19980504 - 20010113
75466	WESTPAC BANKING CORP	Name change from WESTPAC BANKING CORP LTD to WESTPAC BANKING CORP for the entire history
27414	BALTIMORE & OHIO RR CO	Name change from BALTIMORE & OHIO RR CO STAMPED S to BALTIMORE & OHIO RR CO for the entire history
87308	SNYDER COMMUNICATIONS INC	Name change from SNYDER COMM INC CIRCLE COM to SNYDER COMMUNICATIONS INC for the entire history
76163	SANTA MONICA BANK CA	Name change from TRUSTEES SANTA MONICA BK VTG T to SANTA MONICA BANK CA for the entire history
88903	AMERICA MOVIL S A B DE C V	Name change from AMERICA MOVIL S A DE C V to AMERICA MOVIL S A B DE C V for 20070116 - 20070119
85403	TELE COMMUNICATIONS INC NEW	Name change from TELE COMMUNICATIONS INC to TELE COMMUNICATIONS INC NEW for the entire history
85321	TELE COMMUNICATIONS INC NEW	Name change from TELE COMMUNICATIONS INC to TELE COMMUNICATIONS INC NEW for the entire history
76636	TELEFONOS DE MEXICO S A B DE C V	Name change from TELEFONOS DE MEXICO S A DE C V L to TELEFONOS DE MEXICO S A B DE C L for 20061220-20120130
80082	TENON LTD	Name change from FLETCHER CHALLENGE LTD to FLETCHER CHALLENGE FORESTS LTD, and SIC code change from 1521 to 831 for 20010726 - 20040330
88852	TENON LTD	SIC code change from 1521 to 831 for 20010726 - 20040330
27553	SPARTANS INDUSTRIES INC	Changed Permco to 56025 from 23382 for entire history
89613	ACACIA RESEARCH CORP	Changed Nasdaq Issue Identifier to 99995055 from 39502 and Nasdaq Organization Identifier to 60014643 from 60064381 for entire history, added delisting information on 20170814 and removed all data from 20070815-present
16852	COMBIMATRIX CORP	Added all data to subscriber database (from permno 89613)

PERMNO	COMPANY NAME	DESCRIPTION
92793	ECOPETROL S A	Changed shares outstanding to 675 from 2023600 for 20080918-20090129

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
20161231	20170804	Researched shares outstanding for securities without recent shares outstanding data. Added shares outstanding values for 35 securities from 2016-2017.
2000	2017	Reviewed all securities with share code 73 and set all non-6726 SIC codes to 6726. Over 1000 name records were changed.
1962	2017	Reviewed all securities with the same first six cusip characters and different concurrent SIC codes. SIC code changes were made to have consistency on a company level for 29 securities.
2010	2017	Reviewed all securities with share code 73 and set all non-blank and non-525990 NAICS codes to 525990. Over 1000 name records were changed.

JULY 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
10195	COMMONWEALTH TELE ENTRPS INC	Changed Share Code to 11 from 10 for 19860428-19971009
10440	WATERFORD GLASS GROUP PLC	Changed Share Code to 31 from 30 for entire history
10746	CLABIR CORP	Changed Share Code to 11 from 10 for entire history
11968	A D T LTD	Changed Share Code to 31 from 30 for entire history
12254	SCHWARTZ BROTHERS INC	Changed Share Code to 11 from 10 for entire history
23587	CHICAGO ROCK IS & PAC RR CO	Changed Share Code to 11 from 10 for 19620702-19750327
31801	ELAN PHARMACEUTICAL RESH CORP	Changed PERMCO to 56024 from 5272 and Nasdaq company number to 99995041 from 60005269 for entire history
32775	ENERGY SYSTEMS HOLDINGS LTD	Changed Share Code to 31 from 30 for entire history
35087	FIRST AMERICAN BK & TR FLA	Changed Share Code to 11 from 10 for entire history
37130	FLYING TIGER LINE INC	Changed Share Code to 11 from 10 for entire history
37380	TOBACCO SECURITIES TRUST LTD	Changed Share Code to 31 from 30 for entire history
42040	CHICAGO ROCK IS & PAC RR CO	Changed Share Code to 21 from 20 for entire history
43562	IMAGE SYSTEMS INC	Changed Share Code to 11 from 10 for entire history
46623	CELERON CORP	Changed Share Code to 11 from 10 for entire history
48435	LAGUNA HILLS UTIL CO	Changed distribution code to 2245 from 2161 on ex-date 20051129
57779	NORTHWEST ENERGY CO	Changed Share Code to 21 from 20 for entire history
58659	NORTHWEST ENERGY CO	Changed Share Code to 11 from 10 for entire history
59475	WINN DIXIE STORES INC	Changed Share Code to 11 from 10 for entire history
59512	B A T INDUSTRIES LTD	Changed Share Code to 31 from 30 for entire history
64821	TRANS WORLD AIRLINES INC	Changed Share Code to 11 from 10 for entire history
67791	ROYAL DUTCH PETROLEUM CO	Changed Share Code to 31 from 30 for entire history
68785	WINN ENTERPRISES	Changed Share Code to 41 from 40 for entire history
76249	MERIDIAN POINT REALTY TR VIII CO	Changed cusip to 82627A10 from 58995410, company name to SIERRA CAPITAL REALTY TR VIII CO from MERIDIAN POINT REALTY TR VIII CO and ticker to SZH from MPH for 19911018-19911031
76527	MEGO FINANCIAL CORP	Changed Share Code to 11 from 10 for 19901224-19920610
78031	E Z EM INC	Changed Share Code to 11 from 10 for 19950724-19980531

PERMNO	COMPANY NAME	DESCRIPTION
81628	M F S COMMUNICATIONS INC	Changed Share Code to 89 from 70 throughout entire history. Removed from subscriber database.
82473	WESTMARC COMMUNICATIONS INC	Changed Share Code to 11 from 10 for entire history
82794	HALLWOOD ENERGY PARTNERS L P	Changed Share Code to 71 from 70 for entire history
82932	WILEY JOHN & SONS INC	Changed Share Code to 11 from 10 for 19820914-19950711
84757	BIO KEY INTERNATIONAL INC	Added zero namelines for 19990525-20170724 to reflect off-exchange history
85226	WASHINGTON MUTUAL INC	Changed Share Code to 89 from 71 for entire history and removed from subscriber database
86530	CERBERONICS INC	Changed Share Code to 11 from 10 for entire history
87032	GEORGIA PACIFIC CORP	Changed Share Code to 7 from 71 for entire history and removed from subscriber database
89288	SAXON CAPITAL INC	Changed PERMCO to 56001 from 36354 and Nasdaq company number to 99995040 from 60021868 for entire history
92133	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92134	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92135	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92138	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92139	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92140	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92141	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92142	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92277	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92278	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92279	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92280	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92281	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92347	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92348	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92349	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92351	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92407	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92408	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92501	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history
92542	POWERSHARES E T F TRUST II	Changed Nasdaq Company Number to 60067091 from 0 for entire history

JUNE 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
13286	BANCO BRADESCO S A	Changed distribution to .00553 from .00552 on exdate 20170302.
15524	GLOBAL PARTNER ACQUISITION CORP	Removed all data from subscriber database due to share code change to 91 from 71 for entire history
15929	NORBORD INC	Changed distribution to .07493 from .07676 on exdate 20170227.
64726	PULSE COMMUNICATIONS INC	Changed shares outstanding to 525 from 0 for 19721214-19730108

PERMNO	COMPANY NAME	DESCRIPTION
76622	UNITED AMERICAN HEALTHCARE CORP	Name change to UNITED AMERICAN HEALTHCARE CORP from UNITED AMERICAL HEALTHCARE CORP for 19910423-19930113
83435	YAHOO INC	Changed Nasdaq Issue Id to 99995054 from 19523 and Nasdaq Org Id to 99995039 from 60014366 for entire history
88471	PRECIPIO INC	Added zero namelines for 20170222-20170629 to reflect off exchange activity

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
19721214	20010220	Reviewed all cases where Bid/Ask average was not equal to $-(\text{AskHigh}+\text{BidLow})/2$. Edited Close, AskHigh, and BidLow prices from 1972-2001 as needed. Approximately 221 records were changed.

MAY 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
82762	WESTELL TECHNOLOGIES INC	Added Class A designation for entire history.
92893	SILVERCORP METALS INC	Added zero namelines for 20150911-20170514 to reflect off exchange activity
66739	SILVERBOW RESOURCES INC	Added zero namelines for 20151221-20160421 and 20160422 - 20170504 to reflect off exchange activity
75734	HARVEST NATURAL RESOURCES INC	Removed duplicate dividend of \$5.75 on exdate 20170424
84400	ENERGY TRANSFER PARTNERS LP	Changed the end date to 20170427 from 20170428
79767	ENEL AMERICAS S A	Changed pay date to 20100622 from 20220610 for distribution on ex-date 20091211
86067	GUARANTY BANCSHARES INC	Added zero nameline for the period 20040614 - 20170508 to reflect off exchange trading.
93263	CELSIUS HOLDINGS INC	Added zero nameline for the period 20100211 - 20170523 to reflect off exchange trading.

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
20080701	20170428	Added missing SIC codes to 32 securities for the period 20080701-20170428
19721214	19731231	Reviewed and added missing shares outstanding values for 40 securities from 1972-1973. Project is 80% complete

APRIL 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
15089	XENON PHARMACEUTICALS INC	Changed share code to 12 from 11 for entire history
15181	PRESBIA PLC	Added a rights distribution on ex-date 20170206.
15425	DAVIDSTEA INC	Changed company name to DAVIDSTEA INC from DAVIDS TEA INC and share code to 12 from 11 for entire history
15887	RIVERNORTH OPPORTUNITIES FD INC	"Changed company name to RIVERNORTH OPPORTUNITIES FD INC from RIVERNORTH OPPORTUNITIES FUND and share code to 14 from 11 for entire history"
89199	DEUTSCHE BANK A G	Changed dividend amount to 2.22 from 2.20 on ex-date 20170321
93337	VEON LTD	Changed cusip to 91822M10 from 92719A10, name to VEON LTD from VIMPELCOM LTD, and ticker to VEON from VIP for 20170331 - present

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
19750904	19890621	Reviewed all cases where Bid/Ask average was not equal to $-(\text{AskHigh}+\text{BidLow})/2$. Edited Close, AskHigh and BidLow prices from 1975-1989 as needed. Approximately 2100 records were changed.

MARCH 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
13113	LILIS ENERGY INC	Added zero namelines for 20160526-20170313 to reflect off exchange activity
93369	R1 R C M INC	Added zero namelines for 20140317-20170314 to reflect off exchange activity
82217	SUNSTONE HOTEL INVESTORS INC	Changed share code to 18 from 11 and SIC code to 6798 from 6790 for 19950811-19950814
83898	YORK FINANCIAL CORP	Changed share code to 11 from 14 for entire history
75819	VENTAS INC	Changed share code to 11 from 18 for 19890919-19980430

FEBRUARY 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
89006	MONDELEZ INTERNATIONAL INC	Changed distribution code to 1234 from 1232 for three distributions on exdates : 20160329, 20160628, and 20160928.
92118	COMPANHIA ENERGETICA DE MINAS GC	Added distribution with distribution code 1212 with dividend amount 0.08654 on exdate 20121227. Changed dividend amounts and paydates for the other four distributions on exdate 20121227: <ul style="list-style-type: none">• dividend amount to 0.4084 from 0.47959, paydate to 20130312 from 20131230• dividend amount to 0.44247 from 0.47959, paydate to 20131107 from 20130630• dividend amount to 0.23816 from 0.22569, paydate 20130312 from 20130630• dividend amount to 0.68887 from 0.67707, paydate to 20130123 from 20130115.
15408	KRAFT HEINZ CO	Changed distribution code to 1232 from 1212 for distribution on ex-date 20150723. Changed dividend amount to 0.10051 from 0.575 for distributions on ex-dates 20151221, 20160316 & 20160525 and to 0.10488 from 0.60 on ex-dates 20160824 & 20161130. Added distributions with distribution code 1234 on ex-dates 20151221, 20160316, 20160525, 20160824 & 20161130.

JANUARY 2017 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION
75049	TELEFONICA S A	Removed distribution with distribution code 5523 on ex-date 20161116
86990	GREAT ELM CAPITAL GROUP INC	Changed enddate to 20170131 from 20161130
92686	CAPRICOR THERAPEUTICS INC	Changed enddate to 20170131 from 20161130
82476	MERIDIAN WASTE SOLUTIONS INC	Added zero namelines for the period 19980930-20170124 to reflect off exchange activity

FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending December 2017. It contains the number of securities and information about the maximums of the event arrays.

FILE CODE	# OF SECURITIES	MAX NAMES	MAX DISTS	MAX SHARES	MAX DELISTS	MAX GROUPS	MAX NASDIN	FIRST PERMNO	LAST PERMNO
DAZ	32124	39	1538	2642	1	4	2643	10000	93436
MAZ	32040	39	1538	2642	1	4	2643	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
Daily trading calendar	19251231-20171229	1-24290
Month-end trading calendar	19251231-20171229	1-1105
Year-end trading calendar	19251231-20181231	1-94
Quarter-end trading calendar	19251231-20181231	1-373
Weekly trading calendar	19260102-20171229	1-4800

CRSPACCESS PRODUCT INFORMATION

To simplify installation for our subscribers, data are bundled into product groups. Information relevant to each product group is listed in the table below.

PRODUCT NAME	DATABASE	SIZE	INDEXES	PORTFOLIOS	COMPONENTS & DESCRIPTION
CRSP 1925 US Stock and Index Database	FIZyyyyymm SIZyyyyymm (SAS/ASCII)	4.1 GB	All CRSP indexes and portfolio assignments	All portfolios	DI - 1925 Daily US Stock & Index Database MI - 1925 Monthly US Stock & Index Database IF - CRSP Supplemental US Indexes
CRSP 1925 US Stock	FAZyyyyymm SAZyyyyymm (SAS/ASCII)	3.7 GB	CRSP NYSE/ AMEX/ NASDAQ Value-weighted Market, CRSP NYSE/ AMEX/ NASDAQ Equal-weighted Market, S&P 500 Composite, NASDAQ Composite		DA - 1925 Daily US Stock MA - 1925 Monthly US Stock IN - CRSP Limited US Indexes
CRSP 1962 US Stock	A6Zyyyyymm S6Zyyyyymm (SAS/ASCII)	3.3 GB	CRSP NYSE/ AMEX/ NASDAQ Value-weighted Market, CRSP NYSE/ AMEX/ NASDAQ Equal-weighted Market, S&P 500 Composite, NASDAQ Composite		D6 - 1962 Daily US Stock M6 - 1962 Monthly US Stock IN - CRSP Limited US Indexes
CRSP 1962 US Stock and Index Database	AXZyyyyymm SXZyyyyymm (SAS/ASCII)	3.6 GB	See FIZ	All portfolios	DX - 1962 Daily US Stock & Index Database MX - 1962 Monthly US Stock & Index Database IF - CRSP Supplemental US Indexes
CRSP 1925 US Indexes	IFZyyyyymm SFZyyyyymm	122 MB			IF - CRSP Supplemental US Indexes
CRSP/Compustat Merged Database	CMZyyyyymm	10.37 GB			CM - Compustat Data formatted in CRSPAccess Database
Daily & Monthly Treasuries in CRSPSift	TRZyyyyymm	278 MB			TR - Database format for use with CRSPSift
Daily & Monthly Treasuries Files	TFZyyyyymm	1.75 GB			TF - Expanded daily and monthly files in EXCEL, SAS, and ASCII formats
Mutual Fund Database	MFZyyyyymm	10 GB			MF - Mutual Funds
CRSP/Ziman Daily & Monthly REIT	RAZyyyyymm	251 MB			RD - Daily REITs RM - Monthly REITs

DELIVERY METHOD, INSTALLS, AND DATA FORMATS

DELIVERY

CRSP data delivery for all products is available only through the Cloud, utilizing IPSwitch's MOVEit Cloud product. (<https://crsp.moveitcloud.com>)

If you have not yet accessed your account, or need assistance, contact support@crsp.chicagobooth.edu, or call 312-263-6400, Option 2.

While DVDs are no longer available from CRSP, you are welcome to create your own once you have downloaded the data, and use as long as you have an active license to do so.

ZIP INSTALLS

CRSP uses a zip process for data installation. ZIP utilities that are standard on all platforms should work to unzip the databases. On Windows computers, CRSP recommends using 7-ZIP, which can be downloaded from this site: <http://www.7-zip.org/>

Several important items to note follow:

- All directories are extracted to lower case letters. For example: C:\crspdata\miz201308
- All Windows Users: Extracting a zipped file does not create an installed program in Windows. It will not show in the Windows Control Panel. When uninstalling the data, just delete the directories that contain the detailed files
- Red Hat Linux Users: If your version of Red Hat is earlier than 6.0, you will need to install an updated version of the "File Roller" program in order to install the data

ZIP FILE STRUCTURE AND PROCESS

Windows 7/XP Products:

PRODUCT LABEL	PRODUCT NAME	FILE NAME
A6Z1_YYYYMM_SLD	CRSP 1962 US Stock	a6zyyyymm_cadb.zip
AXZ1_YYYYMM_SLD	CRSP 1962 US Stock and Index	axzyyyymm_cadb.zip
FAZ1_YYYYMM_SLD	CRSP 1925 US Stock	fazyyyymm_cadb.zip
FIZ1_YYYYMM_SLD	CRSP 1925 US Stock and Index	fizyyyyymm_cadb.zip
IFZ1_YYYYMM_SGD	CRSP 1925 Indexes	ifzyyyymm_cadb.zip

Red Hat Linux Products:

PRODUCT LABEL	PRODUCT NAME	FILE NAME
A6Z1_YYYYMM_SLD	CRSP 1962 US Stock	a6zyyyymm_cadb.zip
AXZ1_YYYYMM_SLD	CRSP 1962 US Stock and Index	axzyyyymm_cadb.zip
FAZ1_YYYYMM_SLD	CRSP 1925 US Stock	fazyyyymm_cadb.zip
FIZ1_YYYYMM_SLD	CRSP 1925 US Stock and Index	fizyyyyymm_cadb.zip
IFZ1_YYYYMM_SGD	CRSP 1925 Indexes	ifzyyyymm_cadb.zip

Flat File Products:

PRODUCT NAME	FILE NAME
SAS Zip	s*zyyyymm_sas.zip
ASCII Zip	s*zyyyymm_ascii.zip

STEPS TO INSTALL:

- From the directory containing your downloaded zip file, right click (in Windows) or run File Roller (in Red Hat)
- Set the extract destination to the current higher level directory where data is normally stored and unzip will add the rest of the path (default is C:\ in Windows or /home in Red Hat)
- For example, in Windows, extracting to C:\ will install the data under C:\crspdata

Contact CRSP Client Services for assistance at: support@crsp.chicagobooth.edu or call 312-263-6400, Option 2.

SETTING ENVIRONMENT VARIABLES

The zip process will not automatically set environment variables for use with command line tools. The following steps will do so.

NOTE: CRSPSift does not use and therefore does not require environment variables.

LINUX

NOTE: The new zip installs are now saving to directories with lower case letters – for example, ~/crspdata/diz201308

Check the current state of the environment variables by entering this command: `env | grep crsp`

- If you have admin privileges on your machine, open the .profile file, and make updates to the following lines to update the paths for the new data installed:
 - `CRSP_DSTK=<full path name>/<daily stock directory>` (example: `CRSP_DSTK=~ /crspdata/diz201308`)
 - `CRSP_MSTK==<full path name>/<monthly stock directory>` (example: `CRSP_MSTK=~ /crspdata/miz201308`)
 - `CRSP_IND=<full path name>/<index directory>` (example: `CRSP_IND=~ /crspdata/ifz201308`)
- If you are using the bash shell (or any Bourne-style shell), enter the same commands above and export each one. This will make changes for your current session only and does not save to the .profile file.
- A shell script is available to make changes that can be reused for each update done. Note that this will only make changes to your current session and does not save to the .profile file.
 - Navigate to where the CUPL tools are loaded and then enter: `cd accbin`
 - Start the script by entering: `./crsp_setup.sh`
 - The script will prompt for the following:
 - File name (*will be appended with .kshrc*)
 - Top level directory (this should be where CUPL tools are located (example: ~/crsp))
 - Scratch directory for error messages – name can be anything
 - Enter path for daily stock directory (example: ~/crspdata/diz201308)
 - Enter path for monthly stock directory (example: ~/crspdata/miz201308)
 - Enter path for index directory (example: ~/crspdata/ifz201308)
 - Enter path for CCM directory – enter to leave blank
 - Enter path for CST directory – enter to leave blank
 - Execute script by running: `./<file name created above>.kshrc` (*note there is a space between the two dots*)

WINDOWS:

The CRSP Client Environment utility provides users a way to check the location of the software and to set environment variables. The utility can be started by locating it under installed programs CRSPAccess/CRSP Client Environment, or by navigating to the /acsbin folder where the CUPL tools are installed and running: `Client_Environment.exe` (screen shot is displayed below). After making any changes, be sure to log off and back into Windows for the settings to be saved.

Note: For subscribers of the CRSP Compustat Merged database, additional CCM database environments will be displayed for the location of the Compustat data.

