

STOCK & INDEX RELEASE NOTES

DECEMBER 2018 ANNUAL UPDATE

These release notes pertain to the December 2018 Annual release of the CRSP US Stock and Index databases, available in January 2019.

DECEMBER 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
89588	EATON VANCE CA MUNI BD FD II	Changed share code to 44 from 14 for entire history
89590	EATON VANCE MA MUNICIPAL BD FD	Changed share code to 44 from 14 for entire history
89592	EATON VANCE MI MUNICIPAL BD FD	Changed share code to 44 from 14 for entire history
89594	EATON VANCE NY MUNI BOND FD II	Changed share code to 44 from 14 for entire history
18150	EQUITRANS MIDSTREAM CORP	Changed shares outstanding to 254588 from 254 for 20181031-20181129 and to 254269 from 254 for 20181130
75269	DYNEX CAPITAL INC	Changed shares outstanding to 55832 from 65644 for 20171229-20180227, to 55788 from 55832 for 20180228-20180328, to 56906 from 66906 for 20180629-20180730 and to 57512 from 66906 for 20180731-20180830
84788	AMAZON COM INC	Shares outstanding edit to 488969 from 484000 for 20181017-20181231.
44683	CTRIPO COM INTL LTD	Shares outstanding edit to 486916 from 465916 for 20180928-20181231.
18326	WEIDAI LTD	Added all data for permno 18326 from 20181115-present

NOVEMBER 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
14617	ARES MANAGEMENT CORP	Changed share code from 71 to 11 from 20180302-present
14617	ARES MANAGEMENT CORP	Changed SIC code to 6282 from 0 and NAICS code to 523930 from NULL for 20140502-20140714
17777	MORRELL JOHN & CO INC	Changed factor to adjust shares to 0.029411 from 0.026431 for stock dividend on ex-date 19431014
26227	AMERACE CORP	Changed factor to adjust shares to 0.01 from 0.00 for stock dividend on ex-date 19570614
26032	EL PASO NATURAL GAS CO	Added askhigh, bidlow, volume and open for 19570205-19571231
92872	HANDY & HARMAN LTD	Changed dividend amount to \$30.91172 from \$30.422 and acquiring permno to 8532 from -8532 for final distribution on ex-date 20171013
18065	GARRETT MOTION INC	Added common stock security on 20181001
76460	SKY SCIENTIFIC INC	Changed factor to adjust shares and factor to adjust price to 0.06666666 from 0.06666 for stock dividend on ex-date 19930625

GROUP EDITS

BEGDT	ENDDT	DESC
2017	2018	Changed permco to 37493 from 56075 for 10 permnos (ISHARES TRUST) with CNUM 45435U

OCTOBER 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
67791	ROYAL DUTCH PETROLEUM CO	Changes shares outstanding to 478 from 2680 for 19751014-19851230 and to 478 from 212 for 19851231-19891012
16121	COLUMBIA E T F TRUST I	Changed company name to COLUMBIA E T F TRUST I from COLUMBIA E T F TRUST for entire history
16122	COLUMBIA E T F TRUST I	Changed company name to COLUMBIA E T F TRUST I from COLUMBIA E T F TRUST for entire history
16123	COLUMBIA E T F TRUST I	Changed company name to COLUMBIA E T F TRUST I from COLUMBIA E T F TRUST for entire history
17003	COLUMBIA E T F TRUST I	Changed company name to COLUMBIA E T F TRUST I from COLUMBIA E T F TRUST for entire history
91355	HILL INTERNATIONAL INC	Added zero name line for period 20180814-20181017 to reflect off exchange trading.
91366	SYNCHRONOSS TECHNOLOGIES INC	Added zero name line for period 20180514-20180930 to reflect off exchange trading.
25770	COMPUTONE CORP	Changed SIC code from 1374 to 7370 for 19811104-19860331 & 19870403-19870921
37541	W C M CAPITAL INC	Changed SIC code to 1040 from 1101 for 19810105-19860331
51845	MASSTOR SYSTEMS CORP	Changed SIC code to 3570 from 1374 for 19830325-19860331
65568	ECHO BAY MINES LTD	Changed SIC code to 1041 from 1100 for 19831011-20010823 and to 1041 from 2000 for 20020531-20020930
66659	NERCO INC	Changed SIC code to 1221 from 1111 for 19880104-19930602
69359	SCIENTIFIC SYSTEM SERVICES INC	Changed SIC code to 7370 from 1372 for 19830322-19860331
71555	SOUTHERN MINERAL CORP	Changed SIC code to 1310 from 1311 for 19840501-19950430 and to 1380 from 1330 for 19950501-19990804
76452	TOLEDO TECHNOLOGY INC	Changed SIC code to 1310 from 0 for 19721214-19840325 and to 1310 from 1112 for 19840326-19860410
78102	H S RESOURCES INC	Changed SIC code to 1311 from 1330 for 19921124-19940621 and to 1311 from 1041 for 19940622-20010801
78906	GREKA ENERGY CORP	Changed SIC code from 1330 to 1380 for 19930219-19971218
79158	CAIRN ENERGY U S A INC	Changed SIC code to 1310 from 1110 for 19930701-19940501
82815	CONCORD ENERGY INC	Changed SIC code to 1380 from 1330 for 19960131-19960331
85039	SHERIDAN ENERGY INC	Changed SIC code to 1380 from 1330 for entire history
87127	CYPRUS AMAX MINERALS CO	Changed SIC code to 1311 from 1110 for 19860401-19880920
90334	PRIMEBANK FEDERAL SAVINGS BANK	Changed SIC code to 6120 from 1101 for 19850207-19860331

SEPTEMBER DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
10051	HANGER INC	Added zero name line for period 20180227-20180911 to reflect off exchange trading.
14593	APPLE INC	Shares outstanding changed to 4829926 from 4842917 for 20180720-20180928.
76076	CISCO SYSTEMS INC	Shares outstanding changed to 4614000 from 4702882 for period 20180727-20180830 and shares outstanding went to 4571334 from 4702882 on 20180831.

AUGUST 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
17952	AMERICAN FINANCE TRUST INC	Changed share code to 18 from 11 for entire history.
89428	BANK OF NOVA SCOTIA	Changed dividend amount to \$0.62387 from \$0.63243 on ex-date 20180702.
14069	GLOBAL X FUNDS	Changed distribution code to 1232 from 1222 on 20180208 & 20180510.
15926	CREDIT SUISSE A G	Changed sharecode to 7 from 73 and removed from subscriber database for entire history.
91434	OSIRIS THERAPEUTICS INC NEW	Added zero name line for period 20170314-20180731 to reflect off exchange trading.

JULY 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
14019	GRANA Y MONTERO S A A	Added zero nameline for the period 20180518-20180705 to reflect off exchange trading
61453	PATHCOM INC	Changed shares outstanding to 2850 from 14250 for 19760121-19791230
15732	SELECT SECTOR SPDR TRUST	Changed company name to SELECT SECTOR SPDR TRUST from SECTOR SPDR TRUST for entire history
15733	SELECT SECTOR SPDR TRUST	Changed company name to SELECT SECTOR SPDR TRUST from SECTOR SPDR TRUST for entire history
86449	SELECT SECTOR SPDR TRUST	Changed company name to SELECT SECTOR SPDR TRUST from SECTOR SPDR TRUST for entire history
86451	SELECT SECTOR SPDR TRUST	Changed company name to SELECT SECTOR SPDR TRUST from SECTOR SPDR TRUST for entire history
86452	SELECT SECTOR SPDR TRUST	Changed company name to SELECT SECTOR SPDR TRUST from SECTOR SPDR TRUST for entire history
86453	SELECT SECTOR SPDR TRUST	Changed company name to SELECT SECTOR SPDR TRUST from SECTOR SPDR TRUST for entire history

JUNE 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
14006	TELARIA INC	Changed ticker to TLRA from TRLA for 20170927-present
13245	POWERSHARES E T F TRUST II	Changed ticker to EEMO from EEHB for 20180321-present
13246	POWERSHARES E T F TRUST II	Change ticker to IDMO from IDHB for 20180321-present
89359	BLACKROCK NEW JERSEY MUNI BD TR	Changed share code to 44 from 14 for entire history
11931	ALLIED SECURITY INC	Changed SIC code to 7393 from 9800 for 19860401-19870331
12889	AMERICAN GENETICS INTL INC	Changed SIC code to 2870 from 9800 for entire history
56363	NDCHEALTH CORP	Changed SIC code to 7374 from 9800 for 19860401-19870331
81021	U S XPRESS ENTERPRISES INC	Added zeroname line for the period 20071015--20180613 to reflect off exchange trading.
89175	ONCOLYTICS BIOTECH INC	Added zero nameline for the period 20151105-20180531 to reflect off exchange trading.
92102	COMSCORE INC	Added zero name line for period 20170208-20180531 to reflect off exchange trading.
16645	STRATEGY SHARES	Changed delist code to 450 from 470 and added final liquidation payment on ex-date 20180529
16531	JANUS DETROIT STREET TRUST	Changed delist code to 450 from 470 and added final liquidation payment on ex-date 20180518

GROUP EDITS

BEGDT	ENDDT	DESC
2011	2018	Changed permco to 44072 from 53812 for 32 securities. Changed were also made to the acquiring permco for distribution records and new permco for delist records where needed.
2012	2018	Changed company name to POWERSHARES ACTIVELY MANGD ETF T from POWERSHARES E T F TRUST for 13 securities.

MAY 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
78090	WELLSFORD RESIDENTIAL PROPTY TR	Changed distribution code to 3762 from 3754, dividend amount to \$2.71875 from \$2.75 and ex-date to 19970602 from 19970605 for distribution on ex-date 19970605
18148	SPHERIX INC	Changed shares outstanding to 8517 from 6295 for 20180329-present
49744	POTLATCHDELTIC CORP	Changed shares outstanding to 40612 from 62737 for 20180220-20180222 and to 62755 from 62737 for 20180315-present
91734	EUROSEAS LTD	Changed company name to EUROSEAS LTD from EURPSEAS LTD for 20150723-present
16314	CLAYMORE E T F TRUST	Changed New Permco to 56349 from 53649 for delisting array on 20180406
89358	BLACKROCK VIRGINIA MUNI BD TR	Changed share code to 44 from 14 for entire history
89364	BLACKROCK MARYLAND MUNI BD TR	Changed share code to 44 from 14 for entire history
51289	FRANTZ MANUFACTURING CO DE	Removed delisting distribution on ex-date 19860613
17149	LONGFIN CORP	Change the end date from 20180523 to 20180406
12362	STANDARD A V B FINANCIAL CORP	Added zero namelines for 20130926-20180524 to reflect off-exchange trading

GROUP EDITS

BEGDT	ENDDT	DESC
1972	1998	Changed start date and end dates for 61 securities. Reviewed and corrected price data and name history records.

APRIL 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
13434	NEW YORK CENT RR CO	Changed closing bid price to 0 from -.125
77817	JPMORGAN CHINA REGION FUND INC	Changed distribution code to 2855 from 2888 and dividend amount to \$5.1182 from \$0.00 on ex-date 20170711
89411	ELOXX PHARMACEUTICALS INC	Added zero namelines for the period 20121121 -20180425 to reflect off exchange trading.
83182	VETCO INC NEW YORK	Removed permno 83182 from the subscriber database
79689	STANDARD DIVERSIFIED INC	Added zero nameline for the period 20130724 to 20180424 to reflect off exchange trading.

MARCH 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
17156	SENTINEL ENERGY SERVICES INC	Changed start date to 20180102 from 20171222 to reflect lack of trades, closing bid and closing ask data.
92241	T C S ENTERPRISES INC	Changed AskHigh price to 5.00 from 5.125 on 19890626
12173	G C I LIBERTY INC	Changed NASDAQ Organization Identifier to 70024072 from 60009846 for entire history
84501	S I G A TECHNOLOGIES INC	Added zero nameline for the period 20150320-20180321 to reflect off exchange trading.
88156	VESTIN GROUP INC	Changed SIC code to 6700 from 9999 for 20000427-20000710
17111	EATON VANCE NEXTSHARES TR II	Sharecode change from 73 to 77 and removed from suscriber database

GROUP EDITS

BEGDT	ENDDT	DESC
1972	1988	Changed start date and end dates for 29 securities. Reviewed and corrected price data and name history records.
2012	2017	Reviewed shares outstanding values for 61 ADRs for 2012-2017. Over 340 shares outstanding valued were added.

FEBRUARY 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
40256	INTERPHOTO CORP	Added high price, low price and volume for 19791001-19791002
86569	COVAD COMMUNICATIONS GROUP INC	Removed PRC, ASKHI, BIDLO & VOL on 20010216
33516	ERIE LACKAWANNA INC	Changed distribution code to 2244 from 2332 on ex-date 19881201
75429	PACHOLDER HIGH YIELD FUND INC	Changed delist code to 450 from 470 and added a final distribution of 0.169 on ex-date 20170711.
46623	CENTRAL LOUISIANA ELEC CO INC	Removed all data for 19780803-19830617 and added it to permno 17338 and changed company name to CENTRAL LOUISIANA ELEC CO INC from CENTRAL LOUISIANA ELEC INC for 19680815-19780802
17338	CELERON CORP	Added data for 19780803-19830617 from permno 46623
64557	CENTRAL LOUISIANA ELEC CO INC	Changed company name to CENTRAL LOUISIANA ELEC CO INC from CENTRAL LOUISIANA ELEC INC for 19811102-19980427
19238	WHEELING PITTSBURGH CORP	Removed all data from 19940727-2005037 and added it to permno 17337
17337	W H X CORP	Added data for 19940727-20050307 from permno 19238
92872	HANDY & HARMAN LTD	Changed permco to 56283 from 21915 for all history
37130	FLYING TIGER LINE INC	Changed exchange code to 33 from 3 and security status to When Issued from Regular Way for 19840313-19840430
37364	FLYING TIGER LINE INC	Removed all data for 19700630-19890215 and added it to permno 17340
17340	TIGER INTERNATIONAL INC	Added data for 19700630-19890215 from permno 37364
77166	PRICE REIT	Changed permco to 56286 from 11236, NQ organization identifier to 99995047 from 70045465 and SIC code to 6798 from 6510 for entire history
79534	PRICE REIT INC	Changed SIC code to 6798 from 6510 for 19930806-19941030
15616	ALLIANCE REALTY CO	Changed start date to 19260312 from 19251231, end date to 19320420 from 19320518 and company name to ALLIANCE REALTY CO from ALLIANCE RLTY CO for entire history
16010	VULCAN DETINNING CO	Changed start date to 19260322 from 19251231 and end date to 19300614 from 19300616
89765	FIRST TRUST VALUE LINE 100 ETF	Removed all data from 20030613-20070617 and added it to permno 17282
17282	FIRST TRUST VALUE LINE 100 FD	Added data for 20030613-20040610 from permno 89765
89807	FIRST TRUST EXCHANGE TRADED FUND	Removed all data for 20030827-20061217 and added it to permno 17285
17285	FIRST TRUST VALUE LINE DIVID FD	Added data for 20030827-20061215 from permno 89807

GROUP EDITS

BEGDT	ENDDT	DESC
1974	1998	Changed name start dates to match price start dates with Nasdaq exchange code where prices were not found on name start date. 40 permnos were updated.
1925	2004	Changed start date and end dates for 25 securities. Reviewed and corrected price data and name history records.

JANUARY 2018 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
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
12589	INTERNATIONAL PAPER CO OLD	Changed permco to 56225 from 20994 for entire history
10592	ACAPULCO RESTAURANTS	Added high and low prices for 19860203-19860205
25401	COMMUNICATIONS INDUSTRIES INC	Added high and low prices for 19860203-19860228.
32425	EMPIRE AIRLINES INC	Added high and low prices for 19860203-19860204.
38632	GENETIC SYSTEMS CORP	Added high and low prices for 19860203-19860213.
40513	H C W INC	Added high and low prices for 19860203.
10027	TELECOMMUNICATIONS NETWORK INC	Added high and low prices for 19860204-19860228.
10035	GOOD GUYS INC	Added high and low prices for 19860206 - 19860228.
10043	ANALYSIS & TECHNOLOGY INC	Added high and low prices for 19860211 - 19860228.
10045	OLIVERS STORES INC	Added high and low prices for 19860211 - 19860228.
10071	ALEX BROWN INC	Added high and low prices for 19860228.
15112	REALITY SHARES E T F TR	Updated company name to REALITY SHARES E T F TR from REALITY SHS ETF TR for entire history.
23931	X C E L ENERGY INC	Updated company name to X C E L ENERGY INC from XCEL ENERGY INC for entire history.
94617	X C E L ENERGY INC	Updated company name to X C E L ENERGY INC from XCEL ENERGY INC for entire history.
13404	B G S ACQUISITION CORP	Changed begin date to 20120523 from 20120521. Changed shares from 5333 to 1533.
19617	TRANS WORLD AIRLINES INC	Removed all data for 19790102-19870331 and added it to permno 17277
17277	TRANSWORLD CORP LIQUIDATING TR	Added permno 17277 to the stock database for 19790102-19870331 (from permno 19617)
19019	NATIONAL STEEL CORP	Removed all data for 19830913-19990129 and added it to permno 17278
17278	AVATEX CORP	Added permno 17278 to the stock database for 19830913-19990129 (from permno 19019)
89728	CARNIVAL PLC	Changed permco to 56248 from 20394 for entire history
32678	HEICO CORP NEW	Changed company name to HEINICKE INSTRUMENTS CO from HEINICKE INSTRS CO for 19620702-19860317 and changed cusip to 42280610 from 42280510 and company name to HEICO CORP NEW from HEICO CORP for 19930428-19990128
89303	LOEWS CORP	Removed all data for 200810610-20150611 and added it to permno 17279
17279	LORILLARD INC	Added permno 17279 to the stock database for 20080610-20150611 (from permno 89303)
79191	STOLT OFFSHORE S A	Changed permco to 56242 from 12152 and Nasdaq organization identifier to 99995042 from 60012039 for entire history
88655	CYBEAR GROUP	Changed permco to 56243 from 14726 and Nasdaq organization identifier to 99995043 from 60014569 for entire history
82198	NORD PACIFIC LTD	Changed permco to 56244 from 28795 and Nasdaq organization identifier to 99995044 from 70040186 for entire history

PERMNO	COMNAM	DESC
78726	NORD PACIFIC LTD	Changed permco to 56244 from 28795 and Nasdaq organization identifier to 99995044 from 70040186 for entire history
78671	STOLT NIELSEN S A	Changed permco to 56245 from 28860 and Nasdaq organization identifier to 99995045 from 60009743 for entire history
17279	LORILLARD INC	PERMNO 89303 was removed from the SP500 on 20080611 and replaced by PERMNO 17279. Index 1000500 has been affected.
19019	NATIONAL STEEL CORP	Changed enddate of PERMNO 19019 to 19830912 from 19940926 for the SP500 . Index 1000500 has been affected.
17278	NATIONAL INTERGROUP INC	PERMNO 89303 was added to the SP500 for 19830913-19940926 where it replaced PERMNO 19019. Index 1000500 has been affected.

GROUP EDITS

BEGDT	ENDDT	DESC
1974	1998	Changed name start dates to match price start dates with Nasdaq exchange code where prices were not found on name start date. 41 permnos were updated. The project is 100% complete.

FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending December 2018. 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	33012	39	1538	2889	1	4	2661	10000	93436
MAZ	32984	39	1538	2889	1	4	2661	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
Daily trading calendar	19251231-20181231	1-24541
Month-end trading calendar	19251231-20181231	1-1117
Year-end trading calendar	19251231-20191231	1-95
Quarter-end trading calendar	19251231-20191231	1-377
Weekly trading calendar	19260102-20181231	1-4853

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	a6zyYYYYMM_cadb.zip
AXZ1_YYYYMM_SLD	CRSP 1962 US Stock and Index	axzyYYYYMM_cadb.zip
FAZ1_YYYYMM_SLD	CRSP 1925 US Stock	fazyYYYYMM_cadb.zip
FIZ1_YYYYMM_SLD	CRSP 1925 US Stock and Index	fizyYYYYMM_cadb.zip
IFZ1_YYYYMM_SGD	CRSP 1925 Indexes	ifzyYYYYMM_cadb.zip

Red Hat Linux Products:

PRODUCT LABEL	PRODUCT NAME	FILE NAME
A6Z1_YYYYMM_SLD	CRSP 1962 US Stock	a6zyYYYYMM_cadb.zip
AXZ1_YYYYMM_SLD	CRSP 1962 US Stock and Index	axzyYYYYMM_cadb.zip
FAZ1_YYYYMM_SLD	CRSP 1925 US Stock	fazyYYYYMM_cadb.zip
FIZ1_YYYYMM_SLD	CRSP 1925 US Stock and Index	fizyYYYYMM_cadb.zip
IFZ1_YYYYMM_SGD	CRSP 1925 Indexes	ifzyYYYYMM_cadb.zip

Flat File Products:

PRODUCT NAME	FILE NAME
SAS Zip	s*zyYYYYMM_sas.zip
ASCII Zip	s*zyYYYYMM_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_DSTK=~ /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 `/accbin` 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.

