

These release notes pertain to the September 2014 Quarterly release of the CRSP US Stock and Index databases, shipped in October.

UPDATE ON PRE-1946 SHARES OUTSTANDING RESEARCH

Over the last year we began a comprehensive review of shares outstanding data for all the securities in our Stock database. So far, we have reviewed over 500 PERMNOs and made over 10000 additions and changes to the shares outstanding values from 1925-1946. We are about 40% done with the project and anticipate competing the remaining research before the end of 2014.

SEPTEMBER 2014 DATA EDITS

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
1925	1946	Reviewed the shares outstanding history from 1925-1946 as part of a larger pre-1946 shares reiew project. Over 5000 edits were made to 282 permnos. Project is 40% complete.

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
13500	AMREIT INC	Removed Class B stock beginning 20130425.	4/25/2013	8/29/2014
89336	NUVEEN DIV ADV MUNI INCOME FD	Changed share code to 44 from 14 throughout entire history.	3/26/2002	8/29/2014
70536	SIGMA ALDRICH CORP	Removed 325998 from sub-exchange field for 20010824-present.	8/24/2001	8/29/2014
90842	NATURAL RESOURCE PARTNERS L P	Removed 'SUBORDINATED UNITS' from the name description field throughout entire history.		
13076	BLACKROCK UTILITY & INFRASTRUCTURE TR	Changed distribution code to 1222 from 1232 on ex-date 20140813.	8/13/2014	8/13/2014
90954	SAJAN INC	Added zero nameline for 20081023-20140903 to reflect off-exchange activities.	10/23/2008	9/3/2014
31886	FINANCIAL GENERAL BANKSHARES INC	Changed distribution code to 3853 from 3753 and removed acquiring permno and permco from stock distribution on ex-date 19681029.	10/29/1968	10/29/1968
89317	TRANSCONTINENTAL REALTY INVS INC	Changed share code to 48 from 18 for 19890925-19900819 and changed exchange code to 31 from 1 for 19900820-19900909.	9/25/1989	9/9/1990
62156	BLACKSTONE MORTGAGE TRUST INC	Changed share code to 18 from 48 for 19990129-present and added Class A for 19970716-present.	7/16/1997	8/29/2014
92948	GOVERNMENT PROPERTIES INCOME TR	Changed share code to 48 from 18 throughout entire history.		

AUGUST 2014 DATA EDITS

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
20001201	20121231	Reviewed potential missing distributions for ADR securities with ex-dates ranging from 2000 to 2012. Made 92 total distribution edits for 35 ADRs.

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
91801	COREENERGY INFRASTRUCTURE TR INC	Changed share code to 18 from 11 for 20130102-present.	1/2/2013	7/31/2014
86339	CROWN CASTLE INTERNATIONAL CORP	Changed share code to 18 from 11 for 20140102-present.	1/2/2014	7/31/2014
10201	ATLANTIC POWER CORP	Changed share code to 12 from 11 throughout entire history.		
92423	THOMPSON CREEK METALS CO INC	Changed share code to 12 from 11 throughout entire history.		
13185	JUST ENERGY GROUP INC	Changed share code to 12 from 11 throughout entire history.		
13191	PRETIUM RESOURCES INC	Changed share code to 12 from 11 throughout entire history.		
13438	GOLD STANDARD VENTURES CORP	Changed share code to 12 from 11 throughout entire history.		
69446	VISTA GOLD CORP	Changed share code to 12 from 11 for 20020619-present.	6/19/2002	7/31/2014
80307	VALEANT PHARMACEUTICALS INTL INC	Changed share code to 12 from 11 for 20100928-present.	9/28/2010	7/31/2014
88240	AETERNA ZENTARIS INC	Changed share code to 12 from 10 for 20000510-20040602 and to 12 from 11 for 20040603-present.		
91038	ALMADEN MINERALS LTD	Changed share code to 12 from 11 throughout entire history.		
25022	COMCAST CORP	Changed issue_id to 99995047 from 1230 throughout entire history.		
89525	COMCAST CORP NEW	Changed issue_id to 1230 from 39176 throughout entire history.		
81190	VOLT INFORMATION SCIENCES INC	Added zero nameline for 20110127-20140825 to reflect off-exchange activity.	1/27/2011	8/25/2014
90752	C I F C CORP	Changed distribution code to 1232 from 1222 on ex-date 20140521.	5/21/2014	5/21/2014
80812	ENERGY FOCUS INC	Added zero namelines to reflect off-exchange activities for 20111129-20140806.	11/29/2011	8/6/2014
91078	IMMUNE PHARMACEUTICALS INC	Added zero namelines to reflect off-exchange activities for 20110919-20140820.	9/19/2011	8/20/2014
83734	WILHELMINA INTERNATIONAL INC	Added zero namelines to reflect off-exchange activities for 20031010-20140804.	10/10/2003	8/4/2014
75497	EYE TECHNOLOGY INC	Removed all data for permno 75497 and added it to permno 87816.		
92556	LIME ENERGY CO	Removed all data for permno 92556 and added it to permno 88850.		
87816	ROCK CREEK PHARMACEUTICALS INC	Added all data from permno 75497 to permno 87816 for 19860325-20000320.	3/25/1986	3/20/2000
88850	LIME ENERGY CO	Added all data from permno 92556 to permno 88850 for 20060612-present.	6/12/2006	8/29/2014
92582	F A B UNIVERSAL CORP	Removed halt record from 20131122-20140731 and added delisting date of 20131121 with delist code 580, next date of 20140812 and next price of \$1.10.	11/22/2013	7/31/2014

JULY 2014 DATA EDITS

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
2013	2014	Reviewed potential missing distributions for ADR securities with ex-dates in 2013 & 2014. Added missing distributions for 30 ADRs. Project is 10% complete.

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC	BEGDT	ENDT
87029	CONOCO INC	Changed shares outstanding to 624873 from 324873 for 20011008-20011030.	10/8/2001	10/30/2001
88838	GENZYME CORP	Changed company name to Genzyme Corp from Genzyme Biosurgery throughout entire history.		
27204	ONE HORIZON GROUP INC	Added zero namelines for 19981015-20140708 to reflect off-exchange activities.	10/15/1998	7/8/2014
92878	OAK VALLEY BANCORP	Changed distribution code to 1242 from 1212 on ex-date 20140102.	1/2/2014	1/2/2014

FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending September 2014. 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	30524	39	1538	1837	1	4	2519	10000	93436
MAZ	30495	39	1538	1837	1	4	2519	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
Daily trading calendar	19251231-20140930	1-23471
Month-end trading calendar	19251231-20140930	1-1066
Year-end trading calendar	19251231-20151231	1-91
Quarter-end trading calendar	19251231-20151231	1-361
Weekly trading calendar	19260102-20140930	1-4631

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	3.8 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	3.4 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	3.0 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	3.3 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	118 MB			IF - CRSP Supplemental US Indexes
CRSP/Compustat Merged Database	CMZyyyyymm	8.86 GB			CM - Compustat Data formatted in CRSPAccess Database
Daily & Monthly Treasuries in CRSPSift	TRZyyyyymm	256 MB			TR - Database format for use with CRSPSift
Daily & Monthly Treasuries Files	TFZyyyyymm	1.32 GB			TF - New expanded daily and monthly files in EXCEL, SAS, and ASCII formats
Daily & Monthly Legacy Treasuries Files	TLZyyyyymm	1.2 GB			TL - Legacy daily and monthly files in EXCEL, SAS, and ASCII formats
Mutual Fund Database	MFZyyyyymm	9 GB			MF - Mutual Funds
CRSP/Ziman Daily & Monthly REIT	RAZyyyyymm	227 MB			RD - Daily REITs RM - Monthly REITs

DELIVERY METHOD, INSTALLS, AND DATA FORMATS

DELIVERY

CRSP data delivery for all products is available through the “Cloud.” By utilizing IPSwitch’s MOVEit Cloud product (<https://crsp.moveitcloud.com>), you can download data products either on demand, or with scheduled processes.

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

The following tables include new and old naming conventions.

WINDOWS 7/XP PRODUCTS:

PRODUCT LABEL	PRODUCT NAME	OLD NAME	NEW NAME
A6Z1_yyyyymm_SLD	CRSP 1962 US Stock	setupwin32.exe	a6zyyyyymm_cadb.zip
AXZ1_yyyyymm_SLD	CRSP 1962 US Stock and Index	setupwin32.exe	axzyyyyymm_cadb.zip
FAZ1_yyyyymm_SLD	CRSP 1925 US Stock	setupwin32.exe	fazyyyyymm_cadb.zip
FIZ1_yyyyymm_SLD	CRSP 1925 US Stock and Index	setupwin32.exe	fizzyyyyymm_cadb.zip
IFZ1_yyyyymm_SGD	CRSP 1925 Indexes	setupwin32.exe	ifzyyyyymm_cadb.zip

RED HAT LINUX PRODUCTS:

PRODUCT LABEL	PRODUCT NAME	OLD NAME	NEW NAME
A6Z1_yyyyymm_SLD	CRSP 1962 US Stock	setuplinux.bin	a6zyyyyymm_cadb.zip
AXZ1_yyyyymm_SLD	CRSP 1962 US Stock and Index	setuplinux.bin	axzyyyyymm_cadb.zip
FAZ1_yyyyymm_SLD	CRSP 1925 US Stock	setuplinux.bin	fazyyyyymm_cadb.zip
FIZ1_yyyyymm_SLD	CRSP 1925 US Stock and Index	setuplinux.bin	fizzyyyyymm_cadb.zip
IFZ1_yyyyymm_SGD	CRSP 1925 Indexes	setuplinux.bin	ifzyyyyymm_cadb.zip

SOLARIS SPARC PRODUCTS:

PRODUCT LABEL	PRODUCT NAME	OLD NAME	NEW NAME
A6Z1_yyyymm_SBD	CRSP 1962 US Stock	setupsolaris.bin	a6zyyyymm_sparc.zip
AXZ1_yyyymm_SBD	CRSP 1962 US Stock and Index	setupsolaris.bin	axzyyyymm_sparc.zip
FAZ1_yyyymm_SBD	CRSP 1925 US Stock	setupsolaris.bin	fazyyyymm_sparc.zip
FIZ1_yyyymm_SBD	CRSP 1925 US Stock and Index	setupsolaris.bin	fizyyymm_sparc.zip
IFZ1_yyyymm_SGD	CRSP 1925 Indexes	setupsolaris.bin	ifzyyyymm_sparc.zip

STEPS TO INSTALL:

- From the directory containing your downloaded zip file, right click (in Windows) or run File Roller (in Red Hat and Solaris)
- 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 and Solaris)
- 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 AND SUN SOLARIS

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 /acbin 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.

The screenshot shows the 'CRSP Client Environment: (CUPL_ver322 64-bit)' window. It contains several sections for setting directories, each with a text input field and a 'Browse' button:

- CRSP Root:** CRSP Root Directory. This folder/directory contains the CRSP root subfolders that will allow the CRSP utilities to function properly. Path: `C:\crsp\`
- CRSP Work:** CRSP Work Directory. This folder/directory is used for storage of temporary files, log files and contains subfolders that may hold user created files. Path: `C:\crsp\`
- CRSP Daily Stock:** CRSP Daily Stock Database Directory. Path: `C:\crspdata\diz201308`
- CRSP Monthly Stock:** CRSP Monthly Stock Database Directory. Path: `C:\crspdata\miz201308`
- CRSP Compustat CCM:** CRSP Compustat CCM Database Directory. Path: `C:\crspdata\CMZ201308\`

At the bottom, there is a red warning message: **Administrator privileges are required to set system level environment variables.** Below this message are three buttons: 'Do', 'Remove', and 'Exit'.

FILE FORMATS

A number of subscribers have requested flat-file versions of the CRSP databases that can be more easily consumed and built into automated processes. In response to these requests, CRSP is actively working on creating these flat-file versions, which once created, will also be available through the “MFT” delivery.