

CRSP U.S. STOCK & INDEX RELEASE NOTES

JUNE 2022 QUARTERLY UPDATE

These release notes pertain to the June 2022 Quarterly release of the CRSP US Stock and Index databases, available in July 2022.

NEW FLAT FILE FORMAT 2.0 (CIZ) IS HERE!

CRSP is excited to announce that we are introducing a new Flat File Format 2.0 (CIZ) for the CRSP US 1925 and 1962 Stock and Stock with Index Databases with data through June 30, 2022. All Stock and Index subscribers – monthly, quarterly, and annual – will receive this premiere data cut. Monthly subscribers will have access to the data on Friday, July 22; quarterly and annual subscribers on July 29. [Click here for more information.](#) As was true for the Flat File Format 1.0 (SIZ), the files will be available in SAS, ASCII and R formats.

The following documentation will be available for the new Flat File Format 2.0 (CIZ) files (add links below):

- Flat File Format 1.0 (SIZ) to 2.0 (CIZ) Cross Reference Guide – maps the legacy ASCII, SAS, and R files to the Flat File Format 2.0 (CIZ) files
- Flat File Format 2.0 (CIZ) Layout Guide – provides table by table listing of data items
- Flat File Format 1.0 (SIZ) to 2.0 (CIZ) Summary of Differences – summarizes known differences between existing S*Z and new C*Z files
- How to Use Metadata Guide – provides guidance on using the new metadata files

Please email support@crsp.org and indicate your preferred file format. If we do not receive your preferred file format, your organization will not have access to the new Flat File Format 2.0 (CIZ).

FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending June 2022. It contains the number of securities and information about the maximums of the event arrays.

DATA FREQUENCY	# OF SECURITIES	MAX NAMES	MAX DIST	MAX SHARES	MAX DELISTS	MAX GROUPS	MAX NASDIN	FIRST PERMNO	LAST PERMNO
DAILY	36624	28	1538	4333	1	4	2909	10000	93436
MONTHLY	36595	28	1538	4333	1	4	2909	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
DAILY TRADING CALENDAR	19251231-20220630	1-25422
MONTH-END TRADING CALENDAR	19251231-20220630	1-1159
YEAR-END TRADING CALENDAR	19251231-20231229	1-99
QUARTER-END TRADING CALENDAR	19251231-20231229	1-393
WEEKLY TRADING CALENDAR	19260102-20220630	1-5035



CENTER FOR RESEARCH IN SECURITY PRICES, LLC
An Affiliate of the University of Chicago Booth School of Business

JUNE 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
17226	AMERICOLD REALTY TRUST INC	CHANGED SHARE CODE TO 11 FROM 18.FOR 20220526-PRESENT
83577	374WATER INC	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 19981022-20220613
18320	TOUGHBUILT INDUSTRIES INC	CHANGED VOLUME TO -99 FROM 1065047 ON 20200123
22786	NOVONIX LTD	SHARES OUTSTANDING CHANGE FROM 404600 TO 400 FOR THE PERIOD 20220201-20220330.
20892	COINBASE GLOBAL INC	SHARES OUTSTANDING CHANGE FROM 169422 TO 173015 FOR THE PERIOD 20220331-20220502.

MAY 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
22097	BELPOINTE PREP LLC	UPDATE HISTORICAL SHARECODE FROM 44 TO 71
22098	BLACKSTONE SECURED LENDING FUND	UPDATE HISTORICAL SHARECODE FROM 14 TO 44
80957	ASPEN TECHNOLOGY INC	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 99995054 FROM 60013259 FOR ENTIRE HISTORY
82508	MYRIAD GENETICS INC	CHANGED FACTOR TO ADJUST SHARES TO 0.00 FROM 0.25 FOR DISTRIBUTION ON EX-DATE 20090615
14622	APPLIED BIOSYSTEMS INC	CHANGED FACTOR TO ADJUST SHARES TO 0.00 FROM 0.33 FOR DISTRIBUTION ON EX-DATE 19921019 AND ADDED ADDITIONAL STOCK DISTRIBUTION ON EX-DATE 19921019 AND DIVIDEND AMOUNT OF \$0.48
21945	CENCOR INC	CHANGED FACTOR TO ADJUST SHARES TO 0.00 FROM 0.2143 AND ADDED DECLARE DATE, RECORD DATE, PAY DATE, ACQUIRING PERMNO & ACQUIRING PERMCO ON EX-DATE 19830902
88937	SINGING MACHINE CO INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20090707-20220523
79730	PARTNERRE LTD	ADDED DISTRIBUTION WITH DISTRIBUTION CODE 1212 AND DIVIDEND AMOUNT \$0.13 ON EX-DATE 20160318 AND DISTRIBUTION WITH DISTRIBUTION CODE 1272 AND DIVIDEND AMOUNT \$3.00 ON EX-DATE 20160318
78690	DECISIONPOINT SYSTEMS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20101223-20220504.

GROUP EDITS

BEGDT	ENDDT	DESC
202109	202205	RESEARCHED ACTIVE NASDAQ SECURITIES WHERE SHARES OUTSTANDING DATA HAS NOT BEEN UPDATED IN OVER SIX MONTHS. UPDATED ABOUT 50 SECURITIES WITH SHARES OUTSTANDING DATA FROM SEPTEMBER 2021- MAY 2022

APRIL 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
79338	SCIENTIFIC GAMES CORP	CHANGED SIC CODE TO 7373 FROM 3578 FOR 20020129-PRESENT
47546	REVENUE PROPERTIES LTD	ADDED DECLARE DATE, RECORD DATE & PAY DATE TO CASH DISTRIBUTION ON EX-DATE 19970325 AND DECLARE DATE TO DISTRIBUTION ON EX-DATE 19980327
15334	ASSOCIATED COMMUNICATIONS CORP	CHANGED FACTOR TO ADJUST PRICE TO 0 FROM 0.2773 FOR TWO SPIN OFFS ON EX-DATE 19941216
58296	FIRST MISSISSIPPI CORP	CHANGED FACTOR TO ADJUST PRICE TO 0 FROM 0.7531 FOR STOCK DISTRIBUTION ON EX-DATE 19961224
40388	GULFMARK INTERNATIONAL INC	CHANGED FACTOR TO ADJUST PRICE TO 0 FROM 0.407 FOR STOCK DISTRIBUTION ON EX-DATE 19970501
78090	WELLSFORD RESIDENTIAL PROPTY TR	CHANGED FACTOR TO ADJUST PRICE TO 0 FROM 0.084 FOR SPIN OFF ON EX-DATE 19970602
81078	COHESANT TECHNOLOGIES INC	CHANGED FACTOR TO ADJUST PRICE TO 0 FROM 0.126 FOR STOCK DISTRIBUTION ON EX-DATE 20080228
87482	DIGIMARC CORP	CHANGED FACTOR TO ADJUST PRICE TO 0 FROM 0.1874 FOR SPIN OFF ON EX-DATE 20080814
90805	DISCOVERY INC	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 99995053 FROM 60058947 FOR ENTIRE HISTORY
90806	DISCOVERY INC	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 99995053 FROM 60058947 FOR ENTIRE HISTORY

PERMNO	COMNAM	DESC
92778	DISCOVERY INC	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 99995053 FROM 60058947 FOR ENTIRE HISTORY
22896	FIRST TRUST E T F II	CHANGED COMPANY NAME TO FIRST TRUST E T F II FROM FIRST TRUST E T F FUND II FOR ENTIRE HISTORY
89986	APPLIED BLOCKCHAIN INC	ADDED ZERO NAME LINES TO REFLECT OFF EXCHANGE ACTIVITY FOR 20080929-20220412
92108	BLACKSTONE INC	CHANGED DIVAMTS & ADDED RETURN OF CAPITAL DISTRIBUTIONS FOR EX-DATES 20211029-20220204
33136	I E H CORP	REMOVED SPECIAL DISTRIBUTION ON EX-DATE 20170602
79853	NORTH AMERICAN PALLADIUM LTD	REMOVED STOCK SPLIT ON EX-DATE 20150810
47546	REVENUE PROPERTIES LTD	REMOVED CASH DIVIDENDS ON EX-DATES 20020227, 20020606, 20020906, 20021206, 20030307 & 20030529

GROUP EDITS

BEGDT	ENDDT	DESC
2011	2022	RESEARCHED ACTIVE NASDAQ SECURITIES WHERE SHARES OUTSTANDING DATA HAS NOT BEEN UPDATED IN OVER SIX MONTHS. UPDATED ABOUT 64 SECURITIES WITH SHARES OUTSTANDING DATA FROM 2011-2022

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	FIZYYYYMM SIZYYYYMM (R/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	FAZYYYYMM SAZYYYYMM (R/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	A6ZYYYYMM S6ZYYYYMM (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	AXZYYYYMM SXZYYYYMM (R/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	IFZYYYYMM SFZYYYYMM	122 MB			IF - CRSP SUPPLEMENTAL US INDEXES
CRSP 10	STZYYYYMM	121KB	ROLLING 10-YEAR WINDOW OF US STOCK DATA		MONTHLY DATA - ROLLING 10 YEARS
CRSP/COMPUSTAT MERGED DATABASE	CMZYYYYMM CFZYYYYMM (FULL PRODUCT) CLZYYYYMM (LINK PRODUCT) (R/SAS/ASCII)	10.37 GB			CM - COMPUSTAT DATA FORMATTED IN CRSPACCESS DATABASE
DAILY & MONTHLY TREASURIES IN CRSPSIFT	TRZYYYYMM	278 MB			TR - DATABASE FORMAT FOR USE WITH CRSPSIFT
DAILY & MONTHLY TREASURIES FILES	TFZYYYYMM	1.75 GB			TF - EXPANDED DAILY AND MONTHLY FILES IN EXCEL, SAS, AND ASCII FORMATS
MUTUAL FUND DATABASE	MFZYYYYMM	10 GB			MF - MUTUAL FUNDS
CRSP/ZIMAN DAILY & MONTHLY REIT	RAZYYYYMM	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

EZIP 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	FIZYYYYMM_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	FIZYYYYMM_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
R ZIP	S*ZYYYYMM_R.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 /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.