

CRSP U.S. STOCK & INDEX RELEASE NOTES

DECEMBER 2022 ANNUAL UPDATE

These release notes pertain to the December 2022 Annual release of the CRSP US Stock and Index databases, available in January 2023.

FLAT FILE FORMAT 2.0 (CIZ) FOR STOCK AND INDEX DATABASES

CRSP's new Flat File Format 2.0 (CIZ) for the CRSP US 1925 and 1962 Stock and Stock with Index Databases was introduced this past summer. [Click here for more information](#). As was true for the Flat File Format 1.0 (SIZ), the files are available in SAS, ASCII and R formats.

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).

CRSPSIFT, CRSPACCESS, AND FORMAT RETIREMENT ANNOUNCEMENT – EFFECTIVE DECEMBER 2024

Existing CRSPSift and CRSPAccess software has officially entered a sunset period, and no additional development or releases are expected. If your organization needs to download CRSPSift or CRSPAccess tools again, please email support@crsp.org, as these files will be disabled on MOVEit early in 2023 but will continue to be available upon request.

The intended last release of the CRSPAccess format files (Stock, Treasury, Mutual Funds, and CRSP/Compustat Merged File (*_cadb.zip), and the Flat File Format 1.0 (SIZ) will be the 202411 cut of data released in December 2024 with data through November 30, 2024. CRSPSift, which uses the legacy CRSPAccess format databases, will not support new data once the CRSPAccess format is no longer released.

Please email questions to support@crsp.org.

FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending December 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	36974	28	1538	4460	1	4	2921	10000	93436
MONTHLY	36945	28	1538	4460	1	4	2921	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
DAILY TRADING CALENDAR	19251231-20221230	1-25549
MONTH-END TRADING CALENDAR	19251231-20221230	1-1165
YEAR-END TRADING CALENDAR	19251231-20231229	1-99
QUARTER-END TRADING CALENDAR	19251231-20231229	1-393
WEEKLY TRADING CALENDAR	19260102-20221230	1-5061

DECEMBER 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
22470	INDUSTRIAL HUMAN CAPITAL INC	UPDATED DELIST CODE FROM 535 TO 584.
21218	G & P ACQUISITION CORP	UPDATED DELIST CODE FROM 535 TO 584.
16393	RESHAPE LIFESCIENCES INC NEW	CHANGED COMPANY NAME TO RESHAPE LIFESCIENCES INC NEW FROM RESHAPE LIFESCIENCES INC FOR 20210616-PRESENT

GROUP EDITS

BEGDT	ENDDT	DESC
2020	2022	UPDATED 43 SECURITIES WITH DELIST CODE 610 TO 242 AND 1 SECURITY WITH DELIST CODE 610 TO 231. ADDITIONALLY, UPDATED 43 SECURITIES WITH DISTRIBUTION CODES 3783 TO 3723. DATE RANGES COVERING 2020-2022.
1990	2022	REVIEWED ALL QUARTERLY DIVIDEND DISTRIBUTIONS (DISTRIBUTION CODE 1232) WHERE ADJUSTED DIVIDEND AMOUNT DECREASED FROM 1990-2022. EDITS INCLUDE CHANGING DISTRIBUTION CODES, SPLITTING UP DIVIDENDS LABELED AS QUARTERLY TO SPECIAL AND QUARTERLY, REMOVING CANCELLED DIVIDENDS AND ADJUSTING DIVIDEND AMOUNTS TO REFLECT PRE OR POST SPLIT STATUS. CHANGES HAVE BEEN MADE TO ABOUT 20 DIVIDENDS.

NOVEMBER 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
13714	WHITEHORSE FINANCE INC	CHANGED DISTRIBUTION CODE TO 1272 FROM 1232 ON EX-DATES 20191030, 20201029 & 20211028
78569	RADA ELECTRONIC INDUSTRIES LTD	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 99995055 FROM 60007479 FOR ENTIRE HISTORY
77263	PRECISION OPTICS CORP INC	ADDED ZERO NAME LINES TO REFLECT OFF EXCHANGE ACTIVITY FOR 20051227- 20221115
12789	AMPIO PHARMACEUTICALS INC	ADDED ZERO NAMLINES FOR OFF-EXCHANGE ACTIVITY FOR 20221004-20221121
76961	NAM TAI PROPERTY INC	UPDATED LAST TRADING DATE TO 20220523 AND REMOVED HALT RECORD (EXCHANGE = -1) FROM NAME HISTORY.

OCTOBER 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
20081	EXECUTIVE NETWORK PARTNER CORP	COMPANY NAME EDIT FROM EXECUTIVE NETWORK PARTNERING COR TO EXECUTIVE NETWORK PARTNER CORP
18902	SNDL INC	CHANGED MVOL TO 17378097700 FROM 173780977 ON 20210226
77900	C P I AEROSTRUCTURES INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20220520-20221004
93338	SEADRILL LTD 2021	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200622-20221013

SEPTEMBER 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
75652	TEVA PHARMACEUTICAL INDS LTD	CHANGED SHARES OUTSTANDING TO 219249 FROM 303750 ON 20040630 AND TO 438498 FROM 607500 FOR 20040701-20040929
86293	S V B FINANCIAL SERVICES INC	CHANGED SHARES OUTSTANDING TO 3663 FROM 3846 ON 20031112 AND TO 3846 FROM 4038 FOR 20031113-20031230
79666	TANDY LEATHER FACTORY INC	ADDED ZERO NAME LINES TO REFLECT OFF EXCHANGE ACTIVITY FOR 20200813-20220906
15848	MESOBLAST LTD	CHANGED CLOSING ASK TO 0.00 FROM 3.46 AND CLOSING BID TO 0.00 FROM 2.28 ON 20220804

PERMNO	COMNAM	DESC
85903	COMPX INTERNATIONAL INC	CHANGED DISTRIBUTION CODE TO 1272 FROM 1232 ON EX-DATE 20220819
13303	N L INDUSTRIES INC	CHANGED DISTRIBUTION CODE TO 1272 FROM 1232 ON EX-DATE 20220819
16653	WARRIOR MET COAL INC	CHANGED DISTRIBUTION CODE TO 1272 FROM 1232 ON EX-DATES 20220512 & 20220819
79037	ETHAN ALLEN INTERIORS INC	CHANGED QUARTERLY DIVIDEND AMOUNT TO 0.32 FROM 0.82 AND ADDED 0.50 SPECIAL DIVIDEND ON EX-DATE 20220815
59396	OLD REPUBLIC INTERNATIONAL CORP	CHANGED QUARTERLY DIVIDEND AMOUNT TO 0.23 FROM 1.23 AND ADDED 1.00 SPECIAL DIVIDEND ON EX-DATE 20220831
13395	SALIENT MIDSTREAM & M L P FUND	CHANGED QUARTERLY DIVIDEND AMOUNT TO 0.0875 FROM 0.1044 AND ADDED 0.0169 SPECIAL DIVIDEND ON EX-DATE 20220831
23187	IONEER LTD	CHANGED SHARE COUNT FROM 100000 TO 400 FOR PERIOD 20220629-PRESENT
92778	DISCOVERY INC	CHANGED ENDDATE FOR S&P GROUP INCLUSION TO 20220408 FROM 20990101.
22976	WARNER BROS DISCOVERY INC	ADDED PERMNO 22976 TO THE S&P GROUP INCLUSION BEGINNING 20220411.

GROUP EDITS

BEGDT	ENDDT	DESC
2018	2022	CHANGED PERMCO TO 56349 FROM 56471 FOR 10 SECURITIES FOR ENTIRE HISTORY

AUGUST 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
18902	SNDL INC	CHANGED VOL TO 2630045974 FROM -99 ON 20210210 AND TO 2955302764 FROM -99 ON 20210211 AND MVOL TO 173780977 FROM 117927490 ON 20210226
12591	APOLLO GLOBAL MANAGEMENT INC NEW	ADDED DISTRIBUTION WITH DISTRIBUTION CODE OF 1232 AND DIVIDEND AMOUNT 0.1696 ON EX-DATE 20170517 AND DISTRIBUTION WITH DISTRIBUTION CODE OF 1234 AND DIVIDEND AMOUNT OF 0.1867 ON EX-DATE 20170517
78622	AMERICA FIRST APT INV LP	CHANGED PAY DATE TO 19910325 FROM 19320910 ON EX-DATE 19910222
21201	COLLABORATIVE INV SERIES TRUST	CHANGE NASDAQ ISSUE IDENTIFIER TO 99995074 FROM 85182 FOR ENTIRE HISTORY
21200	COLLABORATIVE INV SERIES TRUST	CHANGE NASDAQ ISSUE IDENTIFIER TO 99995075 FROM 85183 FOR ENTIRE HISTORY
22337	COLLABORATIVE INV SERIES TRUST	CHANGE NASDAQ ISSUE IDENTIFIER TO 99995076 FROM 86701 FOR ENTIRE HISTORY
83840	AINOS INC	ADDED ZERO NAME LINES TO REFLECT OFF EXCHANGE ACTIVITY FOR 19991013-20220808
21061	BIOTE CORP	ADDED ZERO NAME LINE TO REFLECT OFF EXCHANGE ACTIVITY FOR 20220720-20220828
91428	ASCENT SOLAR TECHNOLOGIES INC	ADDED ZERO NAME LINES TO REFLECT OFF EXCHANGE ACTIVITY FOR 20160602-20220823
22471	INVESTMENT MANAGERS SERIES TR II	CHANGED PERMCO TO 59239 FROM 58764 FOR ENTIRE HISTORY
22026	INVESTMENT MANAGERS SERIES TR II	CHANGED PERMCO TO 59239 FROM 58764 FOR ENTIRE HISTORY
15160	ISHARES INC	CHANGED END DATE TO 20220303 AND DELIST CODE FROM 470 TO 450. ADDED DISTRIBUTION WITH DISTRIBUTION CODE OF 2255 ON EX-DATE 3/4 FOR \$0.032727

GROUP EDITS

BEGDT	ENDDT	DESC
1925	2022	UPDATED 265 COMPANY NAMES WITH CORPORATION TO CORP AND COMPANY TO CO FOR NAME HISTORY FROM 1925-2022.
2006	2022	UPDATED/FORMATTED 98 SPAC NAMES FROM 2006-2022.

JULY 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
16773	ENVIROTECH VEHICLES INC	ADDED ZERO NAME LINES TO REFLECT OFF EXCHANGE SECURITY FOR 20190822-20220705
22098	BLACKSTONE SECURED LENDING FUND	CHANGED DISTRIBUTION CODE TO 1272 FROM 1232 ON EX-DATE 20220513
88309	MOBILE TELESYSTEMS PUB JO ST CO	CHANGED END DATE TO 20220225

GROUP EDITS

BEGDT	ENDDT	DESC
1972	2022	UPDATED ABOUT 100 COMPANY NAMES WITH INCORPORATED TO INC, P L C TO PLC, AND LIMITED TO LTD FOR NAME HISTORY FROM 1972-2022

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 OUSTANDING 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
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

MARCH 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
90352	DYNEGY INC NEW DEL	CHANGED PAYMENT DATE TO 20000331 FROM 20000228 AND ADDED DECLARE DATE OF 20000217 ON EX-DATE 20000224 AND ADDED DECLARE DATE OF 2000315 ON EX-DATE 20001129
37197	FOOD LION INC	CHANGED START DATE TO 19830922 FROM 19830923 AND SECUTIRY STATUS TO W FROM R FOR 19830922-19831005 AND EXCHANGE CODE TO 33 FROM 3 FOR 19830922-19831005
10872	FARRAGUT MORTGAGE CO INC	REMOVED DISTRIBUTION WITH DISTRIBUTION CODE 1232 AND EX-DATE 19930211
21178	LOCKHEED MARTIN CORP	REMOVED DISTRIBUTION ON EX-DATE 20170930
81062	METROGAS S A	CHANGED DISTRIBUTION EX-DATE, RECORD DATE & PAY DATE FROM 19950102 TO 19950103
58632	MICKELBERRY COMMUNICATIONS INC	CHANGED DELISTING DISTRIBUTION EX-DATE TO 19951002 FROM 19950930
83727	TELEFONICA DEL PERU SA	CHANGED DELISTING DISTRIBUTION EX-DATE TO 20040301 FROM 20040227
89068	TRANSALTA CORP	CHANGED CASH DISTRIBUTION EX-DATE TO 20210528 FROM 20210531, DIVIDEND AMOUNT TO 0.03720375 FROM 0.03725 AND ADDED DECLARE DATE OF 20210503
16656	S O S LTD	CHANGED SHARES OUTSTANDING VALUES FOR 20180331-PRESENT

PERMNO	COMNAM	DESC
91522	ENERGY SERVICES OF AMERICA CORP	ADDED ZERO NAME LINTES TO REFLECT OFF- EXCHANGE ACTIVITY FOR 20121102-20220322
14505	ENLINK MIDSTREAM LLC	CHANGED SHARE CODE TO 71 FROM 11 FOR ENTIRE HISTORY
20410	Z I M INTEGRATED SHIP SERV LTD	CHANGED DISTRIBUTION CODE FOR EX-DATE 20210824 TO 1272 AND EX-DATE 20211215 TO 1232.
22262	ARHAUS INC	CHANGED SHARES OUTSTANDING FROM 136946 TO 50427 FOR 20211231-20220321

GROUP EDITS

BEGDT	ENDDT	DESC
1990	2022	REVIEWED ALL QUARTERLY DIVIDEND DISTRIBUTIONS (DISTRIBUTION CODE 1232) WHERE ADJUSTED DIVIDEND AMOUNT DECREASED FROM 1990-2022. EDITS INCLUDE CHANGING DISTRIBUTION CODES, SPLITTING UP DIVIDENDS LABELED AS QUARTERLY TO SPECIAL AND QUARTERLY, REMOVING CANCELLED DIVIDENDS AND ADJUSTING DIVIDEND AMOUNTS TO REFLECT PRE OR POST SPLIT STATUS. CHANGES HAVE BEEN MADE TO ABOUT 200 DIVIDENDS. PROJECT IS 100% COMPLETE.

FEBRUARY 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
37189	FOOD LION INC	CHANGED TRADING SYMBOL TO FDLNB FROM FDLN ON 19830921 AND SIC CODE TO 5411 FROM 0 FOR 19721214-19830920
92381	ABRAXIS BIOSCIENCE INC NEW	ADDED NAICS CODE OF 325412 ON 20071114
70965	PILGRIMS PRIDE CORP	CHANGED TICKER TO CHX FROM PPC FOR 19880930-20010823
79728	PETROCORP INC	REMOVED DELISTING PRICE FROM DELISTING ARRAY ON 20040130
18398	ADVISORSHARES TRUST	REMOVED DELISTING PRICE FROM DELISTING ARRAY ON 20190927
12928	ARENA GROUP HOLDINGS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20010214-20220208.
87293	ULTRAPAR PARTICIPACOES S A	CHANGED DISTRIBUTION CODE TO 1292 FROM 1293 ON EX-DATE 20211110

GROUP EDITS

Starting in November 2021, CRSP has commenced a thorough review of the quarterly dividend data in our stock database for the period of 1990-2021. We are reviewing quarterly dividends where the dividend amount decreased from the previous quarterly dividend. Our focus for this research is dividend classification of regular vs. special dividends, code 1232 vs 1272. We have so far identified over 1200 dividends where edits were required. Edits made were a change from code 1232 to code 1272 in some cases or a dividend split into regular and special portions. We will continue this review for future releases and expected it to be completed by end of March 2022.

BEGDT	ENDDT	DESC
1990	2022	REVIEWED ALL QUARTERLY DIVIDEND DISTRIBUTIONS (DISTRIBUTION CODE 1232) WHERE ADJUSTED DIVIDEND AMOUNT DECREASED FROM 1990-2021. EDITS INCLUDE CHANGING DISTRIBUTION CODES, SPLITTING UP DIVIDENDS LABELED AS QUARTERLY TO SPECIAL AND QUARTERLY, REMOVING CANCELLED DIVIDENDS AND ADJUSTING DIVIDEND AMOUNTS TO REFLECT PRE OR POST SPLIT STATUS. CHANGES HAVE BEEN MADE TO ABOUT 300 DIVIDENDS. PROJECT IS 90% COMPLETE.

JANUARY 2022 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
12432	AMERICAN ADVENTURE INC	CHANGED SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY AND SIC CODE TO 7033 FROM 0 FOR 19810818-19840625
11091	COMPUFLIGHT INC	CHANGED SHARE CODE TO 11 FROM 10 FOR 19870210-19930412
11206	AMERICAN ADVENTURE INC	CHANGED SHARE CODE TO 11 FROM 10 AND SIC CODE TO 7033 FROM 7030 FOR 19870513-19871106

PERMNO	COMNAM	DESC
18852	B T R S HOLDINGS INC	CHANGED SIC CODE TO 2782 FROM 0 FOR ENTIRE HISTORY
85953	SONIC FOUNDRY INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20181231-20220124
16086	HERTZ GLOBAL HOLDINGS INC NEW	CHANGED COMPANY NAME TO HERTZ GLOBAL HOLDINGS INC NEW FROM HERTZ GLOBAL HOLDINGS INC FOR 20160701-PRESENT
13032	PROSHARES TRUST II	CHANGED SHARE CODE TO 74 FROM 73 FOR 20180320-PRESENT
91305	OBSIDIAN ENERGY LTD	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200402-20220130

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/COMPSTAT MERGED DATABASE	CMZYYYYMM CFZYYYYMM (FULL PRODUCT) CLZYYYYMM (LINK PRODUCT) (R/SAS/ASCII)	10.37 GB			CM - COMPSTAT 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.