

# CRSP U.S. STOCK & INDEX RELEASE NOTES

DECEMBER 2021 ANNUAL UPDATE

These release notes pertain to the December 2021 Annual release of the CRSP US Stock and Index databases, available in January 2022.

## FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending December 2021. 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	36146	28	1538	4209	1	4	2888	10000	93436
MONTHLY	35956	28	1538	4209	1	4	2888	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
DAILY TRADING CALENDAR	19251231-20211231	1-25298
MONTH-END TRADING CALENDAR	19251231-20211231	1-1153
YEAR-END TRADING CALENDAR	19251231-20221230	1-98
QUARTER-END TRADING CALENDAR	19251231-20221230	1-389
WEEKLY TRADING CALENDAR	19260102-20211231	1-5009

## DECEMBER 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
44599	EASTERN UTILITIES ASSOC	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 20000419
75819	VENTAS INC	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232, AND DIVIDEND AMOUNT TO \$0.0049 FROM \$0.26 ON EX-DATE 20011212. ADDED STOCK DISTRIBUTION WITH DISTRIBUTION CODE 3753 AND DIVIDEND AMOUNT \$0.2455 ON EX-DATE 20011212
79903	HARTE HANKS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200713-20211130
14127	ALTISOURCE ASSET MANAGEMENT CORP	ADDED HALT NAMELINE FOR PERIOD 20211201-20211231.
24192	P S I RESOURCES INC	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 19941005
26390	SMITHKLINE BECKMAN CORP	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 19890727
23828	CITIZENS SAVINGS & LOAN FED ASSN	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 19860902
29285	DELTA NATURAL GAS INC	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 20170921
83291	EARTHLINK HOLDINGS CORP	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 20170227
80981	FLEMINGTON NATIONAL BK TR CO NJ	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 19960226
80830	M L BANCORP INC	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 ON EX-DATE 19980302
16624	ARDAGH GROUP S A	CHANGED DISTRIBUTION CODE TO 1272 FROM 1232 FOR EX-DATE 20211001.

## 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 500 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	2021	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 550 DIVIDENDS. PROJECT IS 40% COMPLETE.

## NOVEMBER 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
89006	MONDELEZ INTERNATIONAL INC	CHANGED DISTRIBUTION CODE TO 1232 FROM 1234 ON EX-DATES 20160329, 20160628 & 20160928
86287	REPUBLIC BANCORP INC KY	CHANGED DIVIDEND AMOUNT TO \$0.088 FROM \$0.83809 ON EX-DATE 20060315
92149	INVESCO DYNAMIC CREDIT OPRTY FD	CHANGED DIVIDEND AMOUNT TO \$11.45 FROM \$12.46 FOR DELISTING DISTRIBUTION ON EX-DATE 20211029
13880	PHILADELPHIA CO	CHANGED DIVIDEND AMOUNT TO \$0.20 FROM \$0.35 ON EX-DATE 19310629 AND ADDED A \$0.15 SPECIAL DIVIDEND ON EX-DATE 19310629
85377	INFORMATION ANALYSIS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 19990728-20211125
92683	EVOTEC A G	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20091130-20211103
16086	HERTZ GLOBAL HOLDINGS INC	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20201030-20211108
12141	ALTAIR CORP	ADDED NEXT AVAILABLE PRICE DATE OF 20080715 AND NEXT AVAILABLE PRICE OF \$625 TO DELIST ARRAY ON 19850718
11790	ALICO INC	CHANGED DISTRIBUTION CODE TO 1212 FROM 1232 FOR EX-DATES 20101027 & 20111027
37154	FONAR CORP	CHANGED DISTRIBUTION CODE TO 1272 FROM 1232 ON EX-DATE 19980513 AND CHANGED DIVIDEND AMOUNT TO \$0.00755 FROM \$0.00754 ON EX-DATE 19990518

## GROUP EDITS

BEGDT	ENDDT	DESC
2020	2020	REVIEWED AND UPDATED 18 SECURITIES WHERE THE DISTRIBUTION CODES DURING 2020 WERE NOT CONSISTENT WITH THE PREVIOUS YEAR.
1990	2021	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 200 DIVIDENDS. PROJECT IS 10% COMPLETE.

## OCTOBER 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
13537	FRANCHISE GROUP INC	CHANGED PRIMARY EXCHANGE TO Q FROM X, EXCHANGE CODE TO 3 FROM 0 AND RESTORED ALL PRICES, SHARES AND DISTRIBUTIONS FOR 20140716-20180801
75501	FINANCIAL BENEFIT GROUP INC	ADDED CLOSING BID, CLOSING ASK AND OPEN PRICES ON 19960408

PERMNO	COMNAM	DESC
20732	TRUST FOR PROFESSIONAL MANAGERS	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 60078705 FROM 60079482 FOR ENTIRE HISTORY
21963	TRUST FOR PROFESSIONAL MANAGERS	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 60078705 FROM 60079482 FOR ENTIRE HISTORY
75650	C R H PLC	CHANGED PAYDATE TO 20211015 FROM 20500101 FOR DISTRIBUTION WITH EXDATE 20210909
18263	TIZIANA LIFE SCIENCES PLC	CHANGED NASDAQ ISSUE IDENTIFIER TO 99995073 FROM 78901 FOR ENTIRE HISTORY

#### GROUP EDITS

BEGDT	ENDDT	DESC
2004	2021	RESEARCHED SECURITIES CODED AS COMMON STOCK CLOSED-END FUNDS AND UPDATED 12 OF THEM TO COMMON SHARES OF BENEFICIAL INTEREST CLOSED-END FUNDS INSTEAD.
2020	2021	RESEARCHED ACTIVE NASDAQ SECURITIES WHERE SHARES OUTSTANDING DATA HAS NOT BEEN UPDATED IN SIX MONTHS. UPDATED OVER 50 SECURITIES WITH SHARES OUTSTANDING DATA FROM 2020-2021
1962	1998	REVIEWED ALL SECURITIES WHERE DATE OF NEXT AVAILABLE INFORMATION IS EARLIER THAN DELIST DATE. DATE OF NEXT AVAILABLE INFORMATION WAS REMOVED FOR ALL 191 CASES COVERING YEARS 1962-1998 AND DELIST CODE AND NEW PERMNO DATA WAS UPDATED FOR 10 SECURITIES

#### SEPTEMBER 2021 DATA EDITS

##### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
11379	DESTINATION X L GROUP INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20201222-20210907
14469	SEMLER SCIENTIFIC INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20160811-20210927
25153	COMMERCIAL BANCORPORATION CO	CHANGED SIC CODE TO 6711 FROM 0 FOR 19721214-19740828 AND EXCHANGE CODE TO 0 FROM 3 FOR 19740829-19740903

#### GROUP EDITS

BEGDT	ENDDT	DESC
2011	2021	RESEARCHED ACTIVE SECURITIES TRADING ON NASDAQ THAT HAVE NOT UPDATED SHARES OUTSTANDING NUMBERS. UPDATED 41 SECURITIES WITH SHARES OUTSTANDING DATA WITH DATE RANGES FROM 2011 TO 2021.

#### AUGUST 2021 DATA EDITS

##### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
50076	LONG ISLAND NATL BK HICKSVILLE	ADDED STOCK DELISTING DISTRIBUTION WITH DISTRIBUTION CODE 3724 ON EX-DATE 19761028
11153	SONO TEK CORP	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 19920406-20210826
84411	CRYO CELL INTERNATIONAL INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20030724-20210830
15793	C P I CARD GROUP INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200117-20210804
71108	SCHAFFER VALUE TR INC	REMOVED NEXT DATE, NEXT PRICE FROM DELISTING ARRAY AND ADDED LIQUIDATION PAYMENTS ON EX-DATES 19900705, 19900919 & 19910124
12910	AMERICAN EDUCATIONAL COMPUTER IN	REMOVED NEXTDT FROM DELISTING ARRAY ON 19890310
10639	ATLAS TACK CORP	CHANGED NEXTDT TO 19551230 FROM 19551231 ON DELISTING ARRAY ON 19551223
10997	CADDO CENT OIL REFRNG CORP	CHANGED NEXTDT TO 19260227 FROM 19260228 ON DELISTING ARRAY ON 19260224
11615	DANIEL BOONE WOOLEN MLS INC	CHANGED NEXTDT TO 19260528 FROM 19260531 ON DELISTING ARRAY ON 19260526
11930	FIFTH AVE BUS SEC CORP	CHANGED NEXTDT TO 19350330 FROM 19350331 ON DELISTING ARRAY ON 19341010
13098	MARLIN ROCKWELL CORP	CHANGED NEXTDT TO 19380730 FROM 19380731 ON DELISTING ARRAY ON 19380725
13944	PHOENIX HOSIERY CO	CHANGED NEXTDT TO 19570830 FROM 19570831 ON DELISTING ARRAY ON 19570816
14234	ROYAL DUTCH CO	CHANGED NEXTDT TO 19360529 FROM 19360531 ON DELISTING ARRAY ON 19360515

PERMNO	COMNAM	DESC
14365	SHELL TRANS & TRADING LTD	CHANGED NEXTDT TO 19360529 FROM 19360531 ON DELISTING ARRAY ON 19360515
15114	UNIVERSAL AMERN CO	CHANGED NEXTDT TO 19541029 FROM 19541030 ON DELISTING ARRAY ON 19541001
15122	UNIVERSAL PIPE & RADIATOR CO	CHANGED NEXTDT TO 19360831 FROM 19360830 ON DELISTING ARRAY ON 19360812
16467	BANK N Y & TRUST CO	CHANGED NEXTDT TO 19290629 FROM 19290630 ON DELISTING ARRAY ON 19290610
17195	NORTH GERMAN LLOYD BREMEN	CHANGED NEXTDT TO 19360529 FROM 19360531 ON DELISTING ARRAY ON 19360515
17507	CHILE COPPER CO	CHANGED NEXTDT TO 19580829 FROM 19580831 ON DELISTING ARRAY ON 19580801
17611	DOMINION STORES LTD	CHANGED NEXTDT TO 19390429 FROM 19390430 ON DELISTING ARRAY ON 19390417
18497	SECOND NATL INVS CORP	CHANGED NEXTDT TO 19370130 FROM 19370131 ON DELISTING ARRAY ON 19361231
18753	FOURTH NATL INVS CORP	CHANGED NEXTDT TO 19370130 FROM 19370131 ON DELISTING ARRAY ON 19361231
18809	THIRD NATL INVS CORP	CHANGED NEXTDT TO 19370130 FROM 19370131 ON DELISTING ARRAY ON 19361231
18833	AMERICAN COAL CO ALLEGHENY CNTY	CHANGED NEXTDT TO 19440131 FROM 19440130 ON DELISTING ARRAY ON 19431231
19801	TRUSCON STL CO	CHANGED NEXTDT TO 19430227 FROM 19430228 ON DELISTING ARRAY ON 19430217
34922	DYANSEN CORP	CHANGED SIC CODE TO 5190 FROM 5999 FOR 19830804-19860331
46463	GRIFFON CORP	CHANGED SIC CODE TO 3662 FROM 2643 FOR 19810811-19930202
72603	STAODYN INC	CHANGED SIC CODE TO 3693 FROM 3690 FOR 19900921-19980317
91206	PROCARE INDUSTRIES LTD	CHANGED SIC CODE TO 2830 FROM 3841 FOR 19850918-19860331
15388	ACCUSHARES TRUST I	CHANGED DISTRIBUTION CODE TO 2744 FROM 5763, DIVIDEND AMOUNT TO 4.062741 FROM 6.596257 AND FACTOR TO ADJUST PRICE TO 0 FROM 1.244528 FOR DISTRIBUTION ON EX-DATE 20160817
79549	FINANCIAL SYSTEMS TECHNOLOGY PLC	CHANGED DELIST CODE TO 570 FROM 480 AND NEXT PRICE TO 0 FROM -.562 ON DELIST ARRAY ON 19880301
83785	PRINTWARE INC	CHANGED DELIST CODE TO 570 FROM 470 ON DELIST ARRAY ON 20020416
85813	CRUSADER HOLDINGS CORP	CHANGED DELIST CODE TO 450 FROM 470 ON DELIST ARRAY ON 20020416 AND DISTRIBUTION CODE TO 2255 FROM 2243 AND FACTORS TO ADJUST PRICE AND SHARES TO -1 FROM 0 ON EX-DATE 20010828
88474	TRITON NETWORK SYSTEMS INC	CHANGED DELIST CODE TO 570 FROM 480, NEXT DATE TO 20020206 FROM 20020201 AND NEXT PRICE TO -.63 FROM 0.66 ON DELIST ARRAY ON 20020131

## JULY 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
17952	AMERICAN FINANCE TRUST INC	CHANGED DIST CODES TO 1232 FOR DISTRIBUTIONS WITH EX-DATES 20210108 AND 20210409
75240	NUVEEN NEW YORK MUN VALUE FUND	CHANGED DIST CODES TO 1223 FOR DISTRIBUTIONS WITH EX-DATES 20210513 AND 20210614
17147	ENSYSCE BIOSCIENCES INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20210603-20210701
91405	NORTHEAST COMMUNITY BANCORP INC	CHANGED PERMCO TO 58620 FROM 50976 AND NASDAQ ORGANIZATION IDENTIFIER TO 99995052 FROM 60060737 FOR ENTIRE HISTORY
52361	VALUE PROPERTY TRUST	CHANGED FACTOR TO ADJUST PRICE AND FACTOR TO ADJUST SHARES TO -.966997 FROM -.97 ON EX-DATE 19951002
79315	APEX GLOBAL BRANDS INC	CHANGED FACTOR TO ADJUST PRICE AND FACTOR TO ADJUST SHARES TO -.980065 FROM -.9801 ON EX-DATE 19941227
75466	WESTPAC BANKING CORP	REMOVED ALL PRICE DATA ON 20191104

### GROUP EDITS

BEGDT	ENDDT	DESC
1980	2008	REVIEWED ALL SECURITIES WITH THE SAME PERMCO WHERE COMPANY NAME, SIC CODE OR SHARE CODE INCONSISTENCIES EXISTED. CHANGES WERE MADE TO HAVE CONSISTENCY ON A COMPANY LEVEL FOR OVER 80 SECURITIES FOR DATE RANGES COVERING 1980-2008

## JUNE 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
79283	GLOBAL E POINT INC	REMOVED ALL PRICE DATA FOR 20000224-20000229
89740	CENTRAL JERSEY BANCORP NJ	ADDED ASK AND BID PRICE VALUES ON 20040630
88393	ENODIS P L C	CHANGED CLOSING PRICE TO -6.70 FROM -6.77, ASKHIGH TO 7.75 FROM 6.88, BIDLOW TO 5.65 FROM 6.66 AND ADDED CLOSING BID AND ASK ON 20040730
90398	S A L TRUST PREFERRED FUND I	ADDED CLOSING BID AND CLOSING ASK FOR DATES WHERE WE ARE USING BID/ASK AVERAGES FOR 19990927-20031231 AND ADDED CLOSING BID, CLOSING ASK AND OPEN PRICE FOR 20040102-20040930
80780	CONSORCIO G GRUPO DINA SA DE CV	CHANGED CLOSING PRICE TO -.234375 FROM -.23438 ON 20010105 AND TO -.203125 FROM -.20313 ON 20010109
81023	PHOENIX RESTAURANT GROUP INC	CHANGED CLOSING PRICE TO -.234375 FROM -.23438 ON 20010110
32791	WEATHERFORD INTERNATIONAL PLC	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20150513-20210601
13563	TILE SHOP HOLDINGS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20191111-20210616
55862	BIOMERICA INC	CHANGED CUSIP TO 62926210 FROM 09061H10 AND COMPANY NAME TO N M S PHARMACEUTICALS INC FROM BIOMERICA INC FOR 19871104-19871122
74115	SYSTEMS ASSURANCE CORP	CHANGED CUSIP TO 90466810 FROM 87188510 AND COMPANY NAME TO SYSTEMS ASSURANCE CORP FROM UNIDATA SYSTEMS INC FOR 19840309-19840311
64944	E R C INTERNATIONAL INC	CHANGED CUSIP TO 29900210 FROM 26883010 AND COMPANY NAME TO EVALUATION RESEARCH CORP FROM E R C INTERNATIONAL INC FOR 19840518-19850131
34922	DYANSEN CORP	CHANGED CUSIP TO 31779510 FROM 26745710 AND COMPANY NAME TO FINE ART ACQUISITIONS LTD FROM DYANSEN CORP FOR 19870731-19870803
34228	NATIONAL HOME HEALTH CARE CORP	CHANGED CUSIP TO 30703510 FROM 63632010 AND COMPANY NAME TO FAMILY MEDICAL TREATMT CTRS AM FROM NATIONAL H M O CORP FOR 19841214-19841217
91003	PICTURETEL CORP	CHANGED CUSIP TO 71989510 FROM 72003510 AND COMPANY NAME TO PICTEL CORP FROM PICTURETEL CORP FOR 19870410-19870413
12698	OCERA THERAPEUTICS INC	CHANGED DISTRIBUTION CODE TO 3888 FROM 3883 ON EX-DATE 20171211
68291	B S D BANCORP INC	CHANGED DISTRIBUTION CODE TO 3888 FROM 3763 ON EX-DATE 19900214
13396	TAHOE RESOURCES INC	CHANGED DISTRIBUTION CODE TO 3888 FROM 3883 ON EX-DATE 20190222
28476	TRANS WORLD FINL CO	CHANGED DISTRIBUTION CODE TO 3888 FROM 3884 ON EX-DATE 19720829
62455	TOWLE MANUFACTURING CO	REMOVED DISTRIBUTION ON EX-DATE 19871124
17258	COLLPLANT BIOTECHNOLOGIES LTD	CHANGED NASDAQ ORGANIZATION IDENTIFIER TO 99995072 FROM 76402 FOR ENTIRE HISTORY
84319	LITHIA MOTORS INC	ADDED SHARE CLASS A FOR ENTIRE HISTORY
16053	INSILCO CORP	CHANGED SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
56063	FRONTIER OIL CORP	CHANGED SHARE CODE TO 12 FROM 11 FOR 19721207-19761230
45137	WACKENHUT CORP	CHANGED SIC CODE TO 7381 FROM 7393 FOR 19900629-19930104

## MAY 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
86377	TELECOMUNICACOES BRASILEIRAS SA	CHANGED CLOSING BID TO 114.00 FROM 0 AND CLOSING ASK TO 122.0625 FROM 0 ON 20000929
56398	NATIONAL GOLD DISTRIBUTORS LTD	CHANGED COMPANY NAME TO NATIONAL GOLD DISTRIBUTORS LTD FROM NATIONAL GOLD DISTRIBUTORS LTD AND SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
93054	BANCO SANTANDER BRASIL S A	CHANGED DISTRIBUTION CODE TO 1232 FROM 1222 ON EX-DATE 20210217
17820	PIEDMONT LITHIUM LTD	CHANGED NASDAQ ISSUE ID TO 99995071 FROM 79083 FOR ENTIRE HISTORY
13038	BURCON NUTRASCIENCE CORP	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20180427-20210524

PERMNO	COMNAM	DESC
18065	GARRETT MOTION INC	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200921-20210502
86866	TUESDAY MORNING CORP	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200608-20210524
92004	FIRST TR EXCH TRD ALPHADEX FD	CHANGED SHARES OUTSTANDING FROM 400 TO VARIOUS VALUES FOR 2009-2016
12658	FIRST TR EXCH TRD ALPHADEX FD	CHANGED SHARES OUTSTANDING FROM 1550 TO VARIOUS VALUES FOR 2011-2016

## APRIL 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
12111	INCOMED CORP	CHANGED EXCHANGE CODE TO 0 FROM 3, TRADINGS STATUS TO X FROM A, SECURITY STATUS TO X FROM R & PRIMARY EXCHANGE TO X FROM Q FOR 19900628-19900701
87107	FOCAL COMMUNICATIONS CORP	CHANGED DIVIDEND AMOUNT TO 0 FROM 0.158 AND FACTOR TO ADJUST PRICE TO 0 FROM 0.2926 ON EX-DATE 20011217
77467	BLACKROCK MUNIYIELD INVESTMNT FD	CHANGED SHARE CODE TO 44 FROM 14 FOR 20061002-PRESENT
79914	BLACKROCK MUNIYIELD AZ FUND INC	CHANGED SHARE CODE TO 44 FROM 14 FOR 20061002-20180530
87133	BLACKROCK STRATEGIC MUNICIPAL TR	CHANGED SHARE CODE TO 44 FROM 14 FOR ENTIRE HISTORY
13586	PENTAIR PLC	CHANGED ACQUIRING PERMCO TO 56329 FROM 563290 ON EX-DATE 20180501
86812	STABILIS SOLUTIONS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20191003-20210428.
84321	PROTAGENIC THERAPEUTICS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20111103-20210426.
84574	GLOBAL INCOME FUND INC	REMOVED ALL DATA FROM PERMNO 84574 AND ADDED IT TO PERMNO 15912
15912	GLOBAL SELF STORAGE INC	ADDED ALL DATA FROM PERMNO 84574 FOR 19970207-20080404
75418	VODAFONE GROUP PLC NEW	CHANGED DIVIDEND AMOUNTS TO \$0.545931 FROM \$0.53247 ON EX-DATE 20201217 AND \$0.5301 FROM \$0.48708 ON EX-DATE 20200611
85467	FORMULA SYSTEMS LTD	CHANGED DIVIDEND AMOUNT TO \$0.647773 FROM \$0.66417 ON EX-DATE 20210217
33452	ERICSSON	CHANGED DIVIDEND AMOUNT TO \$0.116999 FROM \$0.12074 ON EX-DATE 20210331
86560	AUDACY INC	ADDED SHARE CLASS A FOR ENTIRE HISTORY
59504	BRITISH AMERICAN TOBACCO PLC	CHANGED DIVIDEND AMOUNTS FOR ALL DISTRIBUTIONS WITH EX-DATES FOR 2009-2021

### GROUP EDITS

BEGDT	ENDDT	DESC
1940	1991	REVIEWED AND CORRECTED 32 PRE-2000 RECORDS WHERE CLOSING BID OR CLOSING ASK WAS NOT FRACTIONAL. CHANGED CLOSING PRICE (BID/ASK AVERAGE), ASKHI, BIDLO, CLOSING ASK AND CLOSING BID VALUES.
1978	2013	REVIEWED DISTRIBUTIONS WHERE ACQUIRING PERMCO BETWEEN 1 AND 999 TO CHECK FOR UNIQUENESS AND COMPLETENESS. CHANGED ACQUIRING PERMCO FOR OVER 40 DISTRIBUTIONS BELONGING TO 30 SECURITIES.
1962	2019	REVIEWED ALL SECURITIES WITH THE SAME PERMCO WHERE COMPANY NAME, SIC CODE OR SHARE CODE INCONSISTENCIES EXISTED. CHANGES WERE MADE TO HAVE CONSISTENCY ON A COMPANY LEVEL FOR OVER 50 SECURITIES FOR DATE RANGES COVERING 1962-2019

## MARCH 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
92727	UNITED SOFTWARE INDUSTRIES INC	CHANGED COMPANY NAME TO UNITED SOFTWARE INDUSTRIES INC FROM UNITED SOFTWARE INDS INC, SHARE CODE TO 11 FROM 10 AND SIC CODE TO 4890 FROM 7372 FOR ENTIRE HISTORY
67919	ROYALTY DEVELOPMENT CORP	CHANGED SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
17032	NESCO HOLDINGS INC	REMOVED CLASS A FOR 20190801-PRESENT
10066	FRANKLIN TELECOMMUNICATIONS CORP	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20020826-20210328
79280	INTERLINK ELECTRONICS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20190215-20210324

PERMNO	COMNAM	DESC
52231	MECHANICAL TECHNOLOGY INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20090427-20210322
76841	BIOGEN INC	REMOVED PRICES FOR 20201106 TO REFLECT HALT

## FEBRUARY 2021 DATA EDITS

### INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
15597	GENCO SHIPPING & TRADING LTD	CHANGED SHARE CODE TO 12 FROM 11 FOR ENTIRE HISTORY
86554	CHECKROBOT INC	CHANGED COMPANY NAME TO CHECKROBOT INC FROM CHECK ROBOT INC AND SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
10088	V R BUSINESS BROKERS INC	CHANGED COMPANY NAME TO V R BUSINESS BROKERS INC FROM V R BUSINSS BROKERS INC AND SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
11319	ENGLISH GREENHOUSE PRODUCTS CORP	CHANGED COMPANY NAME TO ENGLISH GREENHOUSE PRODUCTS CORP FROM ENGLISH GREENHOUSE PRODS CORP AND SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
86263	PRECISION TARGET MKTG INC	CHANGED COMPANY NAME TO CSI TELE MARKETING INC FROM CSI TELEMARKETING INC FOR 19850412-19861027 AND TO PRECISION TARGET MKTG INC FROM PRECISION TARGET MKTG COM FOR 19861028-19880927 AND CHANGED SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
85076	ACROBE AUTOMATION TECHNOLOGY INC	CHANGED COMPANY NAME TO ACROBE AUTOMATION TECHNOLOGY INC FROM ACROBE AUTOMATION TECHNOLOGY AND SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
75507	B C I GEONETICS INC	CHANGED SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
72259	SPORTS RESTAURANTS INC	CHANGED COMPANY NAME TO SPORTS RESTAURANTS INC FROM SPORTS RESTAURANT INC AND SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
11722	DIGITAL DIAGNOSTIC SYSTEMS INC	CHANGED COMPANY NAME TO DIGITAL DIAGNOSTIC SYSTEMS INC FROM DIGITAL DIAGNOSTIC SYS INC AND SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
29744	G T BIOPHARMA INC	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20010517-20210210
88987	WILLIAMS INDUSTRIAL SRVCS GP INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20160331-20210221
18969	VIRTUS ALLIANZGI A I & T OPP FD	CHANGED SHARE CODE FROM 11 TO 44 FOR PERIOD 20191029 - 20210131.
17526	LEGG MASON ETF INVESTMENT TR	CHANGED COMPANY NAME TO LEGG MASON ETF EQUITY TR FROM LEGG MASON ETF INVESTMENT TR FOR 20160728-20170214
17527	LEGG MASON ETF INVESTMENT TR	CHANGED COMPANY NAME TO LEGG MASON ETF EQUITY TR FROM LEGG MASON ETF INVESTMENT TR FOR 20161118-20170214
92008	FIRST TR EXCH TRD ALPHADEX FD	CHANGED COMPANY NAME TO FIRST TR EXCH TRD ALPHADEX FD FROM FIRST TRUST E T F II FOR 20070510-20160407
91278	QURATE RETAIL INC	CHANGED COMPANY NAME TO QURATE RETAIL INC Q V C GROUP FROM QURATE RETAIL INC FOR 20180525-20180528
89543	SPDR INDEX SHARES FUNDS	CHANGED COMPANY NAME TO SPDR INDEX SHARES FUNDS FROM STREETTRACKS INDEX SHARES FUND ON 20070801
89545	SPDR INDEX SHARES FUNDS	CHANGED COMPANY NAME TO SPDR INDEX SHARES FUNDS FROM STREETTRACKS INDEX SHARES FUND ON 20070801

## JANUARY 2021 DATA EDITS

### GROUP EDITS

BEGDT	ENDDT	DESC
2000	2004	REVIEWED DISTRIBUTIONS WITH PAY DATE EQUAL TO RECORD DATE FROM 2000-2004. CHANGED PAY DATES FOR OVER 300 DISTRIBUTIONS FROM 164 PERMNOs

## INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
88191	Q S C AG	CHANGED SHARE CODE TO 31 FROM 30 FOR 20000419-20011127
96472	MEGALITH FINANCIAL ACQ CORP	CHANGED TICKER TO MFAC FROM MFACU FOR 20180824-20201210
11460	H O H WATER TECHNOLOGY CORP	CHANGED SHARE CODE TO 11 FROM 10 FOR ENTIRE HISTORY
97065	H O H WATER TECHNOLOGY CORP	CHANGED SHARE CODE TO 91 FROM 90 AND COMPANY NAME TO H O H WATER TECHNOLOGY CORP FROM HOH WATER TECHNOLOGY CORP FOR ENTIRE HISTORY
85619	LA QUINTA CORP	CHANGED SIC CODE TO 6798 FROM 0 FOR 20010824-20020101
83815	DIME COMMUNITY BANCSHARES INC	CHANGED COMPANY NAME TO DIME COMMUNITY BANCSHARES INC FROM DIME COMMUNITY BANCSHARES FOR 19980615-PRESENT
16402	EXTRACTION OIL & GAS INC	ADDED ZERO NAME LINE TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200625-20210120
15294	KEMPHARM INC	ADDED ZERO NAME LINES TO REFLECT OFF-EXCHANGE ACTIVITY FOR 20200521-20210107
14987	STELLANTIS NV	CHANGED DISTRIBUTION CODE FOR EX-DATES 20190301 AND 20190502 TO 1212 AND 1272

## 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](mailto: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](mailto: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.