STOCK & INDEX RELEASE NOTES

DECEMBER 2014 ANNUAL UPDATE

These release notes pertain to the December 2014 Annual release of the CRSP US Stock and Index databases, shipped in January 2015.

DELIVERY METHOD

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.

ATTENTION CRSPSIFT USERS!

On August 7, 2014, Sift version 4.2 expired.

New versions of Sift Professional and Enterprise are now available to all CRSP subscribers for downloading and can be found on our MOVEit site, https://crsp.moveitcloud.com in the Utilities_Download folder.

Sift Professional 4.3.6 is supported on Windows 7 and Windows 8 computers. Sift Enterprise supports Servers 2008 R2 and 2012 R2. See details in the Sift Release Notes on our website at http://www.crsp.chicagobooth.edu/files/images/release_notes/crspsift_rn_v436.pdf

Contact Client Services at support@crsp.chicagobooth.edu or 312-263-6400, Option 2 for assistance.

ATTENTION TS_PRINT AND TSQUERY USERS

A defect in converting total dividend amount (TDIVAMT) and factor to adjust price (FACPRC) to a daily time series and their monthly time series equivalents MTDIVAMT and MFACPRC was identified and has been corrected. The defect was introduced in CUPL version 3.86, and CRSPSift Version 4.3.6 and continued into CRSPSift version 4.3.12. If you have installed any of these, a platform specific patch file has been created and is available for download from our MFT site. The patch includes instructions on how to replace the single file; the patch does not require re-installation. The defect impacts only the Time Series Access tools ts_print and TSQuery, and only the above four items. The defect did not impact the underlying data or access through the Event View Access tools, crsp_print, or StkQuery.

For those that have not recently installed a version of CUPL or CRSPSift, or would prefer to do a complete installation, full versions of "CUPL Version 3.86 with Updated ts_print" and the lastest CRSPSift Version 4.3.13, will be available for download by close of business February 2.

For assistance, contact CRSP support at 312-263-6400, Option 2 or email support@crsp.chicagobooth.edu.

DECEMBER 2014 DATA EDITS

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
2013	2014	Reviewed shares outstanding for securities with acquisitions having stock distributions as part of their merger terms for 2013-2014. We used the merger terms to calculate how many additional shares are expected to be added due to the merger and made corrections to our shares outstanding values as needed on over 30 merger events. Some edits were made to shares outstanding values outside this immediate range cooresponding to the stock event.
1925	1946	Reviewed the shares outstanding history from 1925-1946 as part of a larger pre-1946 shares review project. Over 4000 edits were made to 400 PERMNOs. Project is 100% complete.

INDIVIDUAL EDITS

PERMNO	COMNAM	DESCRIPTION	BEGDT	ENDT
12877	H C 2 HOLDINGS INC	Added zero nameline for 20140414-20141228 to reflect off-exchange activities.	4/14/2014	12/28/2014
78955	AVID TECHNOLOGY INC	Added zero nameline to reflect off-exchange activities for 20140225-20141207.	2/25/2014	12/7/2014
12485	6D GLOBAL TECHNOLOGIES INC	Added zero namelines to reflect off-exchange activities for 20110302-20141211.	3/2/2011	12/11/2014
87656	PLASMATECH BIOPHARMACEUTICALS IN	Added zero nameline to reflect off-exchange activities for 20060201-20141218.	2/1/2006	12/18/2014
13579	NATIONAL BANK HOLDINGS CORP	Changed the start date from 20120921 to 20120920.	9/20/2012	9/21/2012
13580	SPIRIT REALTY CAPITAL INC	Changed the start date from 20120921 to 20120920.	9/20/2012	9/21/2012
13584	SUNOCO LP	Changed the start date from 20120921 to 20120920.	9/20/2012	9/21/2012
13585	TRULIA INC	Changed the start date from 20120921 to 20120920.	9/20/2012	9/21/2012
15139	VIPER ENERGY PARTNERS LP	Added all historical data from PERMNO 93860		
15140	LANDMARK INFRA PARTNERS LP	Added all historical data from PERMNO 93884		
15141	GULF COAST ULTRA DEEP ROYALTY TR	Added all historical data from PERMNO 93859		

NOVEMBER 2014 DATA EDITS

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDT
34936	NETWORK 1 TECHNOLOGIES INC	Added zero namelines for 20030326-20141118 to reflect off-exchange activities	3/26/2003	11/18/2014
14901	FIRST TR EXCHANGE TRADED FD III	Changed permco to 54860 from 55010 throughout entire history		
89382	SAPSE	Changed company name to S A P SE from S A P AG for 20140708-present	7/8/2014	10/31/2013
13579	NATIONAL BANK HOLDINGS CORP	Changed the start date to 20120920 from 20120921, and added prices on 20120920	9/20/2012	9/20/2012
13580	SPIRIT REALTY CAPITAL INC	Changed the start date to 20120920 from 20120921, and added prices on 20120920	9/20/2012	9/20/2012
13584	SUNOCO LP	Changed the start date to 20120920 from 20120921 and added prices on 20120920	9/20/2012	9/20/2012
13585	TRULIA INC	Changed the start date to 20120920 from 20120921 and added prices on 20120920	9/20/2012	9/20/2012

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
77569	APTOSE BIOSCIENCES INC	Added zero nameline for 20081031-20141022 to reflect off-exchange activities.	10/31/2008	10/22/2014
91376	ATLAS ENERGY L P	Changed distribution code to 3763 from 1232, declare date to 20120216 from 20120314, acquiring PERMNO to 13204 from 0, acquiring PERMCO to 53980 from 0 for distribution on ex-date 20120314.	3/14/2012	3/14/2012
93755	COLLABRIUM JAPAN ACQUISIT CORP	Changed shares outstanding to 5600 from 1533 for 20130930-20141031.	9/30/2013	10/31/2014
14545	LIPOCINE INC	Removed all prices and volume history on 20140917 to reflect one-day halt.		
83827	MMA CAPITAL MANAGEMENT LLC	Added zero namelines for 20080206-20141008 to reflect off-exchange activities.	2/6/2008	10/8/2014
80560	N P S PHARMACEUTICALS INC	Removed all prices and volume history on 20140912 to reflect one-day halt.		
14835	VASCULAR BIOGENICS LTD	Removed all data from 20140808-present and added delisting record on 20140807.		
14835	VASCULAR BIOGENICS LTD	Changed PERMCO to 55080 from 54979 and org_id to 99995037 from 60074540 throughout entire history		
77011	ZOOM TECHNOLOGIES INC	Removed all data from 20140821-present and added delisting record on 20140820.		

SEPTEMBER 2014 DATA EDITS

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.

GROUP EDITS

Over 5000 edits were made to 282
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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.

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
91801	CORENERGY 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	CIFCCORP	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

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	DESCRIPTION	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 Biosugery 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

JUNE 2014 DATA EDITS

SHARES OUSTANDING CHANGES FROM MERGERS REVIEW:

Over the last year, we have been reviewing the shares outstanding values in our database when a merger with a distribution of the acquiring company's stock was part of the merger terms. In many cases, the shares outstanding value did not include the newly issued shares. We have reviewed over 1600 cases from 2000-2014 and made corrections to over 600 PERMNOs to increase the precision of our shares outstanding values resulting in acquisitions. Project is 100% complete.

DECLARATION DATE CLEANUP

Incorrect Declaration Dates for periods prior to July 1962 have been removed from the CRSP Stock database. CRSP will soon begin an effort to review and repopulate the early declaration date history.

Declaration Dates, data item **dclrdt**, are a part of the Distribution History.

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
2000	2002	Reviewed shares outstanding for securities with acquisitions having stock distributions as part of their merger terms for 2000-2002. We used the merger terms to calculate how many additional shares are expected to be added due to the merger and made corrections to our shares outstanding values as needed on over 200 merger events. Some edits were made to shares outstanding values outside this immediate range cooresponding to the stock event.
1925	1962	Removed all declare dates from distributions with ex-dates between 19251231 and 19620701. Over 100000 distribution records were changed.

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
50972	MEDIA GENERAL INC	Removed Class A designation for 20131112-present	11/12/2013	5/30/2014
83916	TELETECH HOLDINGS INC	Changed shares outstanding to 54947 from 41746 for 19960801-19960929.		
86097	WASTE CONNECTIONS INC	Changed shares outstanding to 7933 from 2350 for 19980526-19980929.		
83622	ARADIGM CORP	Added zero namelines to reflect off-exchange activities from 20061110 to 20140610.	11/10/2006	6/10/2014

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT	
90556	FUSION TELECOMMUNICATIONS INTL	Added zero namelines to reflect off-exchange activities from 20090618 to 20140608.	6/18/2009	6/8/2014	
93273	CHINA GENGSHENG MINERALS INC	Removed halt record from 20140519-20140530 and added delisting date of 20140516 with delist code of 570, next date of 20140609 and next price of \$0.113.	5/16/2014	5/30/2014	
80210	RAYONIER INC NEW	Changed company name to RAYONIER INC NEW from RAYONIER INC throughout entire history			
93044	LIHUA INTERNATIONAL INC Removed halt record from 20140501-20140530 and added delisting date of 20140430 with delist code of 585, next date of 20140626 and next price of \$0.29.			5/30/2014	
51131	SONY CORP	ONY CORP Added semi-annual dividend on 20140326			
10209	AMERICAN AGRIC CHEM CO	Changed shares outstanding to 333 from 33322 for 19251231-19260629, to 318 from 33322 for 19310108-19301230, to 318 from 33321 for 19301231-19310107, to 318 from 3332 for 19310108-19311230, and to 318 from 333 for 19311231-19351230	12/31/1925	12/30/1935	
22082	PANENERGY CORP	Changed shares outstanding to 810 from 1620 for 19450323-19450402 and to 1620 from 3240 for 19450403-19451230	3/23/1945	12/30/1945	
13303	N L INDUSTRIES INC	Changed shares outstanding to 207 from 310 for 19261231-19270526, to 311 from 465 for 19270527-19271230, to 310 from 353 for 19350116-19351230, to 3095 from 310 for 19361231-19411230, and to 3091 from 310 for 19411231-19471230	12/31/1926	12/30/1937	

MAY 2014 DATA EDITS

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
19960522	20040412	Declare dates for 13 securities have been added between 19960522-20040412.

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
93026	NUVEEN ENHANCED MUNICIPAL VAL	Changed distribution code on 20140411 to 1223 from 1222.	4/11/2014	4/11/2014
10302	CYPRESS SEMICONDUCTOR CORP	Changed Acquiring PERMNO to 92791 from 90978 on exdate 20080930.	9/30/2008	9/30/2008
90319	GOOGLE INC	Changed factor to adjust price to .9969 from 0 on exdate 20140403.	4/3/2014	4/3/2014
90227	LIBERTY GLOBAL PLC	Changed factor to adjust price to .9656 from 0 on exdate 20140304.	3/4/2014	3/4/2014
90228	LIBERTY GLOBAL PLC	Changed factor to adjust price to .9603 from 0 on exdate 20140304.		
11674	DETROIT EDISON CO	Changed shares outstanding to 1272 from 6361 for 19401231-19410406	12/31/1940	4/6/1941
12038	AMBOW EDUCATION HOLDING LTD	Removed halt record from 20130325 - 20140430 and added delisting date of 20130322 with delist code of 580, next date of 20140519 and next price of \$0.25.	3/22/2013	3/22/2013
68276	PROVECTUS BIOPHARMACEUTICALS INC	Added zero nameline to reflect off exchange activity for 19821108-20140515.	11/8/1982	5/15/2014
76950	VAPOR CORP	Added zero namelines to reflect off-exchange activities from 19920406 - 20140529.	4/6/1992	5/29/2014
91893	FINJAN HOLDINGS INC	Added zero namelines to reflect off-exchange activities from 20110707 - 20140511.	7/7/2011	5/11/2014
88471	TRANSGENOMIC INC	Added zero namelines to reflect off-exchange activities from 20070222 - 20140508.	2/22/2007	5/8/2014
76950	VAPOR CORP	Changed the Cusip from 60052010 to 60052030 for 19910419 - 19920405.	4/19/1991	4/5/1992

GROUP EDITS

BEGDT	ENDDT	DESCRIPTION
2003	2004	Reviewed shares outstanding for securities with acquisitions having stock distributions as part of their merger terms for 2002-2004. We used the merger terms to calculate how many additional shares are expected to be added due to the merger and made corrections to our shares outstanding values as needed on over 120 merger events. Some edits were made to shares outstanding values outside this immediate range cooresponding to the stock event.

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
79824	FIRST FINANCIAL BANKSHARES INC	Changed shares outstanding to 12360 from 15459 on 20030331-20030430 and to 12372 from 15465 for 20030501-20030602	3/31/2003	5/1/2003
86198	PANACOS PHARMACEUTICALS INC	Changed shares outstanding to 54476 from 381950 on 20050314 and to 38195 from 40765 for 20050328-20050330	3/14/2005	3/30/2005
62287	HUNT CORP	Changed ex-date of delisting distribution to 20021216 from 20021214	12/14/2002	12/16/2002
91575	HERTZ GLOBAL HOLDINGS INC	Changed shares outstanding to 320619 from 88235 for 20061116-20061228	11/16/2006	12/28/2006
4880	880 ITAU UNIBANCO HOLDING S A Added distribution on ex-date 20140203 and changed distribution code to 1 from 1222 on ex-date 20140219		2/3/2014	2/19/2014
93026	NUVEEN ENHANCED MUNICIPAL VAL FD	Changed distribution codes to 1223 from 1222 for distributions on ex-dates 20140113, 20140212, and 20140312	1/13/2014	3/12/2014
88863	EXACT SCIENCES CORP	Removed all price and volume data on 20140327	3/27/2014	3/27/2014
88285	VIGGLE INC	Added zero name lines to reflect off-exchange activities for 19941117 - 20140424	11/17/1994	4/24/2014
93265	L & L ENERGY INC	Removed halt record from 20131115 to 20140331 and added delisting date of 20131115 with delist code of 584, next date of 20140421 and next price of \$0.21	11/15/2013	3/31/2014
93046	TRI TECH HOLDING INC	Removed halt record from 20131213 to 20140331 and added delisting date of 20131212 with delist code of 585, next date of 20140416 and next price of \$0.5	12/12/2013	3/31/2014
91612	GLOBALSTAR INC	Added zero nameline to reflect off-exchange activity for 20121221-20140420	12/21/2012	4/20/2014
76908	TRANSENTERIX INC	Added zero namelines to reflect off-exchange activity for 20030512 - 20140414	5/12/2003	4/14/2014

MARCH 2014 DATA EDITS

IMPROVEMENT IN TOTAL VALUE (TOTVAL) CALCULATION

A change has been made to fix a bug with the TOTVAL calculation used in CRSP Historical Indexes. In previous iterations, incorrect shares values were used in the calculation of TOTVAL in 29 cases. USDVAL was calculated correctly in all cases so those values have not changed.

VOLUME PRECISION

Our price vendor has changed the way it delivers its volume data. Beginning with this shipment of the March 2014 data, volumes will represent total number of shares traded with no rounding to the nearest 100.

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
15254	ENSERVCO CORP	Added zero name lines to reflect off-exchange activities for 19920617-20140310.		3/10/2014
75754	ISSUER DIRECT CORP	Added zero name lines to reflect off-exchange activities for 19990614-20140311.	6/14/1999	3/11/2014
78062	ZOLTEK COMPANIES INC	Removed all data from 20140228, added delist date of 20140227 with delist code of 233 and added delisting distribution on ex-date 20140228	2/27/2014	2/28/2014
76038	BIOLIFE SOLUTIONS INC	Added zero namelines to reflect off-exchange activities for 19981203-20140325.	12/3/1998	3/25/2014

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
78179	M R V COMMUNICATIONS INC	Added zero name lines to reflect off-exchange activities for 20090617-20140318.	6/17/2009	3/18/2014
92126	L D K SOLAR CO LTD	Removed halt record from 20140224-20140228 and added delisting date of 20140221 with delist code of 551, next date of 20140331 and next price of \$0.25	2/21/2014	2/28/2014
93111	S T R HOLDINGS INC	Changed company name to S T R HOLDINGS INC from STREET HOLDINGS INC throughout entire history	11/6/2009	2/28/2014

FEBRUARY 2014 DATA EDITS

SHARES OUTSTANDING DATA REFINEMENT

In an effort to improve the quality of our shares outstanding data, we have initiated a project to review the total shares outstanding after a company has just completed an acquisition of another company and a stock distribution is part of the merger terms. Most cases can be resolved by making small changes to when the shares jump is applied in our database. There are over 1600 cases to be reviewed. We have been working through the list since the summer of 2013 and have made improvements to around 250 securities covering 2005-2013 so far. We plan on getting through the year 2000 by June 2014.

GROUP EDIT

BEGDT	ENDDT	DESCRIPTION
2005	2007	Reviewed shares outstanding for securities with acquisitions having stock distributions as part of their merger terms for 2005-2007. We used
		the merger terms to calculate how many additional shares are expected to be added due to the merger and made corrections to our shares
		outstanding values as needed on over 100 merger events.

INDIVIDUAL EDITS

PERMNO	COMPANY NAME	DESCRIPTION	BEGDT	ENDDT
91494	BREITBURN ENERGY PARTNERS L P	Changed distribution code to 1222 from 1232 for distribution with ex date of 20140109	1/9/2014	1/9/2014
91797	PROSHARES TRUST	Updated shares outstanding number to 150 from 225 for time period 20140131-present	1/31/2014	2/28/2014
43836	RELIANCE GROUP INC	Changed distribution code to 5523 from 5533 on ex-date 19680528	5/28/1968	5/28/1968
26294	4 LITTON INDUSTRIES INC Added close of 55.00, high of 56.375, low of 53.625 and volume of 50200 on 19620816		8/16/1962	8/16/1962

JANUARY 2014 DATA EDITS

PERMNO	COMPANY NAME	DESCRIPTION	BEGIN DATE	END DATE
90792	PIKE CORP	Named changed to PIKE CORP from PIKE ELECTRIC CORP for 20131106 to present.	11/6/2013	12/31/2013
89603	NUVEEN AMT FREE MUNI INC FUND	Changed share code to 44 from 14 for entire history.	11/22/2002	12/31/2012
13344	MARKET VECTORS E T F TRUST	Changed company name to MARKET VECTORS E T F TRUST from MARKET VECTORS ETF TRUST throughout entire history.	4/25/2012	12/31/2013
13605	E G A EMERGING GLOBAL SHARES TR	Changed company name to E G A EMERGING GLOBAL SHARES TR from E G A EMERGING GLOBAL SHARES throughout entire history.	10/16/2012	12/31/2012
14604	E G A EMERGING GLOBAL SHARES TR	Changed company name to E G A EMERGING GLOBAL SHARES TR from EGA EMERGING GLOBAL SHARES TR throughout entire history.		
13448	STREAM EXCHANGE TRADED TRUST	Changed delist code to 450 from 470, and added final liquidation payment on ex-date 20130415.	4/12/2013	4/15/2013
76184	THAI CAPITAL FUND INC	Changed delist code to 450 from 470, and added final liquidation payment on ex-date 20130814.	8/13/2013	8/14/2013

PERMNO	COMPANY NAME	DESCRIPTION	BEGIN DATE	END DATE
79241	BLACKROCK INV QUAL MUNI TR	Changed delist code to 450 from 470, and added initial liquidation payment and final liquidation payment on ex-date 20120613.	6/12/2012	6/13/2012
90615	NUVEEN TAX ADVANTAGED FLTG RT F	Changed delist code from 470 to 450, and added final liquidation payment on ex-date 20120625.	6/22/2012	6/25/2012
91295	CURRENCYSHARES MEXICAN PESO TR	3/23/2012	3/26/2012	
92811	CURRENCYSHARES RUSSIAN RUBLE TR	Changed delist code from 470 to 450, and added final liquidation payment on ex-date 20120326.	3/23/2012	3/26/2012
11636	HERON THERAPEUTICS INC	Added zero namelines to reflect off-exchange activity for 20110401-20140122.	4/1/2011	1/22/2014
80640	LA JOLLA PHARMACEUTICAL CO	Added zero namelines to reflect off-exchange activity for 20100304-20140128.	3/4/2010	1/28/2014
80774	GEO GROUP INC	Changed share code to 18 from 11 for 20130102-present.	1/2/2013	1/31/2014
80307	VALEANT PHARMACEUTICALS INTL INC	SIC code change from 8099 to 2834 for 20131212 - 20131231.		12/31/2013
64390	PROGRESSIVE CORP OH	Changed distribution code to 1252 from 1262 for dividends with ex-dates on 20100125, 20110125, 20120124, and 20130123. Changed distribution code to 1272 from 1262 for dividends with ex-dates on 20101216 and 20121119.	1/25/2010	1/23/2013
81774	FREEPORT MCMORAN COPPER & GOLD	Changed distribution code from 1232 to 1272 on ex-date 20101216, 20110511 and 20130612.	12/16/2010	6/12/2013
11618	FASTENAL COMPANY	Changed distribution codes to 1232 from 1242 on exdates 20110211 & 20110413. Changed distribution code to 1272 from 1242 on exdate 20121205.	2/11/2011	12/5/2012

FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending December 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	30658	39	1538	1901	1	4	2532	10000	93436
MAZ	30687	39	1538	1901	1	4	2532	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
Daily trading calendar	19251231-20141231	1-23535
Month-end trading calendar	19251231-20141231	1-1069
Year-end trading calendar	19251231-20151231	1-91
Quarter-end trading calendar	19251231-20151231	1-361
Weekly trading calendar	19260102-20141231	1-4644

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	3.9 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	3.5 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	3.2 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	3.5 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	120 MB			IF - CRSP Supplemental US Indexes
CRSP/Compustat Merged Database	CMZyyyymm	8.86 GB			CM - Compustat Data formatted in CRSPAccess Database
Daily & Monthly Treasuries in CRSPSift	TRZyyyymm	263 MB			TR - Database format for use with CRSPSift
Daily & Monthly Treasuries Files	TFZyyyymm	1.35 GB			TF - Expanded daily and monthly files in EXCEL, SAS, and ASCII formats
Daily & Monthly Legacy Treasuries Files	TLZyyymm	1.2 GB			TL - Legacy daily and monthly files in EXCEL, SAS, and ASCII formats - FINAL SHIPMENT
Mutual Fund Database	MFZyyyymm	10 GB			MF - Mutual Funds
CRSP/Ziman Daily & Monthly REIT	RAZyyyymm	234 MB			RD - Daily REITs RM - Monthly REITs

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

The following tables include new and old naming conventions.

WINDOWS 7/XP PRODUCTS:

PRODUCT LABEL	PRODUCT NAME	OLD NAME	NEW NAME
A6Z1_yyyymm_SLD	CRSP 1962 US Stock	setupwin32.exe	a6zyyyymm_cadb.zip
AXZ1_yyyymm_SLD	CRSP 1962 US Stock and Index	setupwin32.exe	axzyyyymm_cadb.zip
FAZ1_yyyymm_SLD	CRSP 1925 US Stock	setupwin32.exe	fazyyyymm_cadb.zip
FIZ1_yyyymm_SLD	CRSP 1925 US Stock and Index	setupwin32.exe	fizyyyymm_cadb.zip
IFZ1_yyyymm_SGD	CRSP 1925 Indexes	setupwin32.exe	ifzyyyymm_cadb.zip

RED HAT LINUX PRODUCTS:

PRODUCT LABEL	PRODUCT NAME	OLD NAME	NEW NAME
A6Z1_yyyymm_SLD	CRSP 1962 US Stock	setuplinux.bin	a6zyyyymm_cadb.zip
AXZ1_yyyymm_SLD	CRSP 1962 US Stock and Index	setuplinux.bin	axzyyyymm_cadb.zip
FAZ1_yyyymm_SLD	CRSP 1925 US Stock	setuplinux.bin	fazyyyymm_cadb.zip
FIZ1_yyyymm_SLD	CRSP 1925 US Stock and Index	setuplinux.bin	fizyyyymm_cadb.zip
IFZ1_yyyymm_SGD	CRSP 1925 Indexes	setuplinux.bin	ifzyyyymm_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	fizyyyymm_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

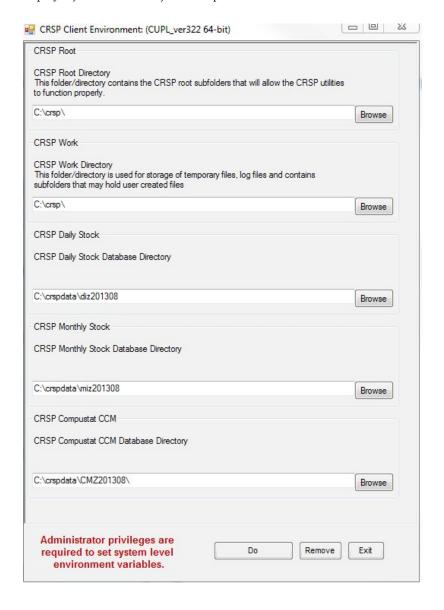
- If you have admin privileges on your machine, open the .profile file, and make updates to the following lines to update the paths for the new data installed:
 - CRSP_DSTK=<full path name>/<daily stock directory> (example: CRSP_DSTK=~/crspdata/diz201308)
 - CRSP_MSTK==<full path name>/<monthly stock 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)

- o 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.



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.