

### ABOUT THE JANUARY 2014 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is January 12, 2014. This shipment includes the following version of the CRSP/Compustat Merged Database:

- CMZ20140110 – the CCM format database using Compustat’s Xpressfeed delivery.

### DATABASE CHARACTERISTICS

The following table summarizes general characteristics of the CCM database.

Attribute	CCM Format Database (new)
<b>Source</b>	<i>Compustat Xpressfeed</i>
Volume Label	CMZyyyyymm
Size	8.86 GB
Delivery Media	DVD
CRSPAccess version	3.1 and higher – ts_print ccm_print
CRSPSift Version (Windows only)	Yes – all currently supported versions.
SASEXCCM Engine	Version 9.3 (Early Adopters)
C	Yes – CA3.1 and higher
Fortran-95	Yes – CA3.1 and higher
Number of Data Items	Over 4000 quarterly & annual data items

### PROGRAMMERS

C-programming is supported with all CRSPAccess versions. New C sample programs are included beginning with the CRSPAccess 3.1 release for use with the Xpressfeed data.

FORTTRAN-95 are supported in CRSPAccess releases 3.14 and 3.19. Information about usage are available in the CRSPAccess Utilities and Program Libraries Release Notes and the Programming Guide, which can be accessed online at: <http://www.crsp.ChicagoBooth.edu/documentation>.

A new SAS Engine that uses newer libraries and has limited support for the CCM data has been released to early adopters in SAS Version 9.3. CRSP is now testing this version of SAS’s new engine, SASEXCCM.

### PARAMETERS

CMZ 20140110	
Total Compustat Records	43845
Total GVKEY Companies	41647
Total GVKEYX Indexes	2198
Total GVKEY/IID Securities	52501
Total CRSP Securities Linked	26394
Total GVKEYs in Link	40200
Total Link Records	92517
Total Link Records with a Link to CRSP	30690
Database Size	8.86 GB

### CALENDARS

The CCM database utilizes the CRSP stock calendars to align properly with CRSP data. Data in the CRSP daily Stock (and Indices) file use daily and annual calendars. Data in the monthly files use monthly, quarterly and annual calendars.

CALENDAR	DATE RANGE	DATE INDEX RANGE
Daily trading calendar	19251231-20140110	1-23248
Monthly trading calendar	19251231-20181231	1-1117
Annual trading calendar	19251231-20141231	1-90
Quarterly trading calendar	19251231-20141231	1-357
Semi-Annual trading calendar	19251231-20141231	1-179
Weekly trading calendar	19260102-20140110	1-4589

## DELIVERY

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

If you are still receiving DVDs, you will be contacted by our business office so that we can set up a download account. The deadline for completion of the transition to online delivery is April 2014.

## 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://www7-zip.org/>

Several important items to note follow:

- All directories are extracted to lower case letters. For example: C:\crspdata\cmz201309
- 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 table include wnew and old naming conventions, and apply to both DVD and Cloud downloads.

DISK LABEL	INSTALLED FORMAT	OLD NAME	NEW NAME
CMZ1_YYYYMM_SLD	Windows 7 / XP	setupwin32.exe	cmzyyyyymm_cadb.zip
CMZ1_YYYYMM_SLD	Red Hat Linux	setuplinux.exe	cmzyyyyymm_cadb.zip
CMZ1_YYYYMM_SBD	Solaris SPARC	setupsolaris.exe	cmzyyyyymm_sparc.zip

## STEPS TO INSTALL:

- From the drive containing the disk, 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](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 AND SUN SOLARIS

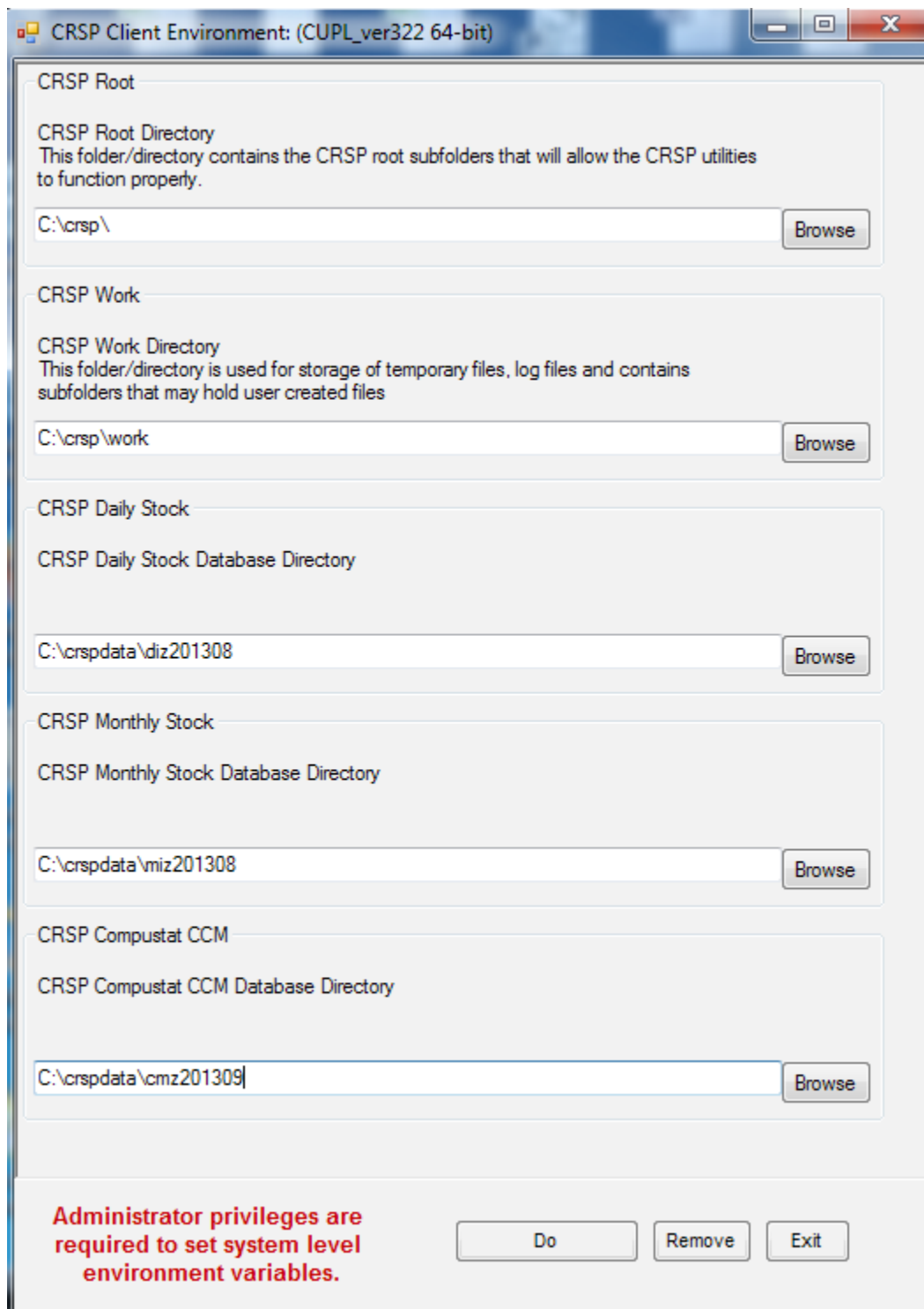
NOTE: The new zip installs are now saving to directories with lower case letters - for example, ~/crspdata/diz201308

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_CCM=<full path name>/<compustat directory>` (example: `CRSP_CCM=~ /crspdata/cmz201309` )
  
- 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 (*example: CRSP\_CCM=~ /crspdata/cmz201309* )
    - Enter path for CST directory - enter to leave blank
  
- Execute script by running: `./<file name created above>.kshrc` (*note there is a space between the two dots*)

## WINDOWS:

The CRSP Client Environment utility provides users a way to check the location of the software and to set environment variables. The utility can be started by locating it under installed programs CRSPAccess/CRSP Client Environment, or by navigating to the /acbin folder where the CUPL tools are installed and running: `Client_Environment.exe` (screen shot is displayed below). After making any changes, be sure to log off and back into Windows for the settings to be saved.



## NEW DATA ITEMS

Listed in the table below are new data items and new keysets for existing data items that have been added this quarter.

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
ACQIC_DC	Acquisitions - Current Income Contribution Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
ACQSC_DC	Acquisitions - Current Sales Contribution Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DILAVSA_DC	Dilution Available / Excluding Extraordinary Items Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
IBCOMSA_DC	Income Before Extraordinary Items / Available for Common Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
IBMIQ_DC	Income before Extraordinary Items and Noncontrolling Interests Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
IBMIISA_DC	Income before Extraordinary Items and Noncontrolling Interests Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
IBMIY_DC	Income before Extraordinary Items and Noncontrolling Interests Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
INVT_DC	Inventories - Total Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
INVTQ_DC	Inventories - Total Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
ISOCURCD	ISO Currency Code /Currency	916	RSD	Serbian Dinar, ISO Code = RSD
ISOCURCD	ISO Currency Code / Currency	915	UYN	ISOCURCD = UYN
MIBNQ_DC	Noncontrolling Interests - Nonredeemable - Balance Sheet Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
RDIPSA_DC	In Process R&D Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation ISO Code = RSD
SALEPFC_DC	Pro Forma Net Sales - Current Year Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
SALEFPF_DC	Pro Forma Net Sales - Prior Year Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation

## JANUARY 2014 LINK EDITS

### GVKEY 007824 (NV ENERGY INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	19621118	0	0	01	NR	P
19621119	99999999	38658	21269	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	19621118	0	0	01	NR	P
19621119	20131219	38658	21269	01	LC	P

**GVKEY 013427 (MIDAMERICAN ENERGY HOLDINGS)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19870311	0	0	00X	NR	C
19870312	20000331	11170	9020	01	LC	P
20000401	99999999	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19870311	0	0	00X	NR	C
19870312	20000314	11170	9020	01	LC	P
20000315	20000331	0	0	01	NR	P
20000401	99999999	0	0	99X	NR	C

**GVKEY 007506 (MOLEX INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19720701	19721129	0	0	00X	NU	C
19721130	19721213	0	0	01	NU	P
19721214	20131231	54827	2991	01	LU	P
19900726	20131130	76234	2991	03	LU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19720701	19721129	0	0	00X	NR	C
19721130	19721213	0	0	01	NR	P
19721214	20131206	54827	2991	01	LC	P
19900726	20131206	76234	2991	03	LC	J

**GVKEY 1045 (AMERICAN AIRLINES GROUP INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NR	C
19620131	20120104	21020	20010	01	LC	P
20120105	20131130	0	0	01	NR	P
19990831	20060131	0	0	02	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	21020	20010	00X	LC	C
19620131	20120104	21020	20010	01	LC	P
20120105	20131130	0	0	01	NR	P
20131201	20131208	0	0	01	NR	C
19990831	20060131	0	0	02	NR	J
20131209	99999999	21020	20010	04	LC	P

**GVKEY 24670 (ARI NETWORK SERVICES INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900801	19911114	0	0	00X	NU	C
19911115	20010705	77082	11208	01	LU	P
20010706	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900801	19971119	0	0	00X	NR	C
19971120	99999999	77082	11208	01	LC	P

**GVKEY 182826 (ADAMIS PHARMACEUTICALS CORP)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090430	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090401	20131212	0	0	00X	NR	C
20131213	99999999	82163	13934	01	LC	P

**GVKEY 62391 (EARTHLINK HOLDINGS CORP)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19960313	0	0	00X	NU	C
19960314	99999999	83291	14433	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19960313	0	0	00X	NR	C
19960314	99999999	83291	14433	01	LC	P

**GVKEY 5643 (HILTON WORLDWIDE HOLDINGS)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	23309	20915	00X	LC	C
19620131	20071031	23309	20915	01	LU	P
20010831	20060131	0	0	03	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	23309	20915	00X	LC	C
19620131	20071024	23309	20915	01	LC	P
20010831	20060131	0	0	03	NR	J
20131212	99999999	14338	54672	04	LC	P

## DECEMBER 2013 LINK EDITS

**GVKEY 012075 BALLY TECHNOLOGIES INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840701	19850130	0	0	00X	NR	C
19850131	99999999	38149	297	01	LC	P
19980630	19990630	0	0	03	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19831230	99999999	38149	297	01	LC	P
19980630	19990630	0	0	03	NR	N

**GVKEY 177124 CRESTWOOD MIDSTREAM PTNRS LP**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20070806	0	0	00X	NR	C
20070807	20131031	92255	52701	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20070806	0	0	00X	NR	C
20070807	20131007	92255	52701	01	LC	P
20131008	99999999	13123	53940	01	LC	P

**GVKEY 212310 D MEDICAL INDUSTRIES**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20100804	0	0	00X	NR	C
20100805	99999999	12077	53489	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20100804	0	0	00X	NR	C
20100805	20120725	12077	53489	01	LC	P
20120726	99999999	0	0	01	NR	P



**GVKEY 19731 FOUNDATION HEALTHCARE INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050228	20080909	0	0	01	NR	P
20080910	99999999	92779	53081	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050228	20080909	0	0	01	NR	P
20080910	20121105	92779	53081	01	LC	P
20121106	99999999	0	0	01	NR	P

**GVKEY 18792 GAMING & LEISURE PPTYS**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20131030	0	0	00X	NR	C
20131031	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20131030	0	0	00X	NR	C
20131031	20131103	0	0	01	NR	P
20131104	99999999	14252	54610	01	LC	P

**GVKEY 4984 GAMING & TECHNOLOGY**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19751001	19781101	0	0	00X	NR	C
19781102	19850130	38149	297	01	LC	C
19850131	19860131	38149	297	01	LD	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19751001	19781101	0	0	00X	NR	C
19781102	19831229	38149	297	01	LC	C
19831230	19860131	38149	297	01	LD	C

**GVKEY 016719 HARVARD APPARATUS REGN TECH**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20131020	0	0	00X	NR	C
20131021	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20131030	0	0	00X	NR	C
20131031	20131103	0	0	01	NR	P
20131104	99999999	14253	54611	01	LC	P

**GVKEY 187958 INERGY MIDSTREAM -LP**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20081001	20111215	0	0	00X	NR	C
20111216	99999999	13123	53940	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20081001	20111215	0	0	00X	NR	C
20111216	20131007	13123	53940	01	LC	P

**GVKEY 14624 OFFICE DEPOT INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19880531	0	0	00X	NU	C
19880601	99999999	75573	9798	01	LU	P

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19880531	0	0	00X	NR	C
19880601	99999999	75573	9798	01	LC	P

**GVKEY 013380 SAKS INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860201	19870602	0	0	00X	NU	C
19870603	20131129	11382	9225	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860201	19870602	0	0	00X	NR	C
19870603	20131104	11382	9225	01	LC	P

**GVKEY 17184 SEACOAST BANKING CORP/FL**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840101	19840201	0	0	00X	NU	C
19840202	99999999	69586	6827	01	LU	P
19980630	20020628	0	0	02	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840101	19840201	0	0	00X	NR	C
19840202	99999999	69586	6827	01	LC	P
19980630	20020628	0	0	02	NR	J

**GVKEY 14611 UBM PLC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870101	19870827	0	0	00X	NU	C
19870828	20050331	11643	9464	90	LU	P
20050401	20060531	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870101	19870827	0	0	00X	NR	C
19870828	20050321	11643	9464	90	LC	P
20050322	20050331	0	0	90	NR	P
20130628	99999999	0	0	91	NR	P
20050401	20130627	0	0	99X	NR	C

**GVKEY 191055 WESTWOOD ONE INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20111024	99999999	82668	6999	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20111023	0	0	00X	NR	C
20111024	20121123	82668	6999	01	LC	P
20121124	99999999	0	0	01	NR	P

**GVKEY 13540 WHITEWAVE FOODS CO (THE)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20121025	0	0	00X	NR	C
20121026	99999999	13627	54212	01	LC	P
20130924	20130924	13916	54212	02	LN	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20121025	0	0	00X	NR	C
20121026	99999999	13627	54212	01	LC	P
20130924	20130930	13916	54212	02	LC	J

**NOVEMBER 2013 LINK EDITS****GVKEY 18479 (QUINPARIO ACQUISITION CORP)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20130808	0	0	00X	NR	C
20130809	20130831	93820	54511	01	LC	P
20130901	20130929	93820	54511	01	LC	C
20130930	99999999	93820	54511	01	LC	N
20130930	99999999	14173	54511	02	LC	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20130808	0	0	00X	NR	C
20130809	20130831	0	0	01	NR	P
20130901	20130929	0	0	01	NR	C
20130930	99999999	0	0	01	NR	N
20130930	20130930	14173	54511	02	LC	J
20131001	99999999	14173	54511	02	LC	P

**GVKEY 178937 (WESTERN LIBERTY BANCORP -OLD)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20071129	0	0	00X	NR	C
20071130	20071130	0	0	02	NR	P
20071201	20071230	0	0	02	NR	C
20071231	20101029	0	0	02	NR	N
20121018	20110930	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20071129	0	0	00X	NR	C
20071228	20101029	92481	52835	01	LD	P
20101030	20101031	0	0	01	NR	P
20071130	20071130	0	0	02	NR	P
20071201	20071227	0	0	02	NR	C
20071228	20101029	0	0	02	NR	N

**GVKEY 157359 (OREMEX SILVER INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20111031	99999999	0	0	01	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20111031	20130831	0	0	01	NR	N
20130901	99999999	0	0	01	NR	C
20031128	99999999	0	0	01C	NR	P

**GVKEY 17815 (BAY BANCORP INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130424	99999999	80517	13085	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130430	99999999	80517	13085	01	LC	P

**GVKEY 65838 (SENECO TECHNOLOGIES INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980701	19980730	0	0	00X	NR	C
19980731	20020516	0	0	01	NR	P
20020517	99999999	89411	43166	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980701	19980730	0	0	00X	NR	C
19980731	20020516	0	0	01	NR	P
20020517	20121120	89411	43166	01	LC	P
20121121	99999999	0	0	01	NR	P

**GVKEY 186087 (LONE PINE RESOURCES INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20110525	0	0	00X	NR	C
20110526	99999999	12743	53752	01	LC	P
20110526	99999999	12743	53752	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20110525	0	0	00X	NR	C
20110526	20130913	12743	53752	01	LC	P
20130914	99999999	0	0	01	NR	P
20110526	20130913	12743	53752	01C	LX	N
20130914	99999999	0	0	01C	NR	N

**GVKEY 17154 (WEST NEWTON SVGS BK MASS)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19861016	19940929	10762	8658	01	LU	P
19940930	19941230	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870101	19870226	0	0	00X	NR	C
19870227	19940929	10762	8658	01	LC	P
19940930	19941230	0	0	01	NR	P