

The last 12 months of data edits are consolidated at the end of this document.

ABOUT THE JULY 2015 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is July 11. This shipment includes the following version of the CRSP/Compustat Merged Database:

- CMZ20150711 – 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)
Source	<i>Compustat Xpressfeed</i>
Volume Label	CMZyyyyymm
Size	9.67 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 3.22 release for use with the Xpressfeed data.

FORTTRAN-95 is supported in CRSPAccess release 3.22. 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 supports the CCM data was released to early adopters in SAS Version 9.3. Since their first maintenance release of SAS version 9.40, the SASEXCCM engine is in full production. The most current ETS release in the field, ETS 13.1 is needed to use the engine. Note that the original SASECRSP engine is still in the field but does not have support for the CCM database.

PARAMETERS

CMZ 20150710	
Total Compustat Records	45637
Total GVKEY Companies	43439
Total GVKEYX Indexes	2198
Total GVKEY/IID Securities	55097
Total CRSP Securities Linked	27315
Total GVKEYs in Link	41814
Total Link Records	95657
Total Link Records with a Link to CRSP	31719
Database Size	9.67 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	19251231-20150710	1-23415
Monthly trading calendar	19251231-20181231	1-1117
Annual trading calendar	19251231-20151231	1-91
Quarterly trading calendar	19251231-20151231	1-361
Semi-Annual trading calendar	19251231-20151231	1-181
Weekly trading calendar	19260102-20150710	1-4619

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_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 over the past 12 months.

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
ACCRT	ARO Accretion Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
ACCRT	ARO Accretion Expense	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
ACCRT_DC	ARO Accretion Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
AQA_DC	Acquisition/Merger After-tax Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQASA_DC	Acquisition/Merger After-Tax Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQD_DC	Acquisition/Merger Diluted EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQDSA_DC	Acquisition/Merger Diluted EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQEPS_DC	Acquisition/Merger Basic EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQEPSQ_DC	Acquisition/Merger Basic EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQEPSSA_DC	Acquisition/Merger Basic EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQEPSY_DC	Acquisition/Merger Basic EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQP_DC	Acquisition/Merger Pretax Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQPQ_DC	Acquisition/Merger Pretax Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQPSA_DC	Acquisition/Merger Pretax Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
AQPY_DC	Acquisition/Merger Pretax Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
BILLEXCE	Billings in Excess of Cost and Earnings	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
BILLEXCEQ	Billings in Excess of Cost and Earnings	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CAPSFT	Capitalized Software	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CAPSFT	Capitalized Software	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
CAPSFT	Capitalized Software	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
CAPSFT_DC	Capitalized Software Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CAPSFTQ	Capitalized Software	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CAPSFTQ	Capitalized Software	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
CAPSFTQ	Capitalized Software	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
CAPSFTQ_DC	Capitalized Software Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CEIEXBILL	Cost and Earnings in Excess of Billings	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CEIEXBILL_FN	Cost and Earnings in Excess of Billings Foot Note	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CEIEXBILLQ	Cost and Earnings in Excess of Billings	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CEIEXBILLQ_FN	Cost and Earnings in Excess of Billings Foot Note	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CGRI_DC	Capital Gains - Realized (Insurance) Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
CSHFD12	12MM Shares Diluted EPS	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CSHFD12	12MM Shares Diluted EPS	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
CSHFD12	12MM Shares Diluted EPS	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
CSHFD12	12MM Shares Diluted EPS	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
CSHFD12_DC	12MM Shares Diluted EPS Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CSHFD12_FN	12MM Shares Diluted EPS Footnote	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
CSHFD12_FN	12MM Shares Diluted EPS Footnote	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
DERAC	Derivative Assets - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERAC	Derivative Assets - Current	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERAC_DC	Derivative Assets - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERACQ	Derivative Assets - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERACQ	Derivative Assets - Current	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERACQ_DC	Derivative Assets - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERACQ_DC	Derivative Assets - Current Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
DERAC_DC	Derivative Assets - Current Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERALT	Derivative Assets - Long Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERALT	Derivative Assets - Long Term	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERALT_DC	Derivative Assets - Long Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERALTQ	Derivative Assets - Long Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERALTQ	Derivative Assets - Long Term	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERALTQ_DC	Derivative Assets - Long Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGL	Gains/Losses on Derivatives and Hedging	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGL	Gains/Losses on Derivatives and Hedging	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERHEDGL_DC	Gains/Losses on Derivatives and Hedging Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLQ	Gains/Losses on Derivatives and Hedging	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLQ	Gains/Losses on Derivatives and Hedging	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERHEDGLQ_DC	Gains/Losses on Derivatives and Hedging Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLQ_DC	Gains/Losses on Derivatives and Hedging Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
DERHEDGLQ_DC	Gains/Losses on Derivatives and Hedging Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERHEDGLQ_FN	Gains/Losses on Derivatives and Hedging Foot Note	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLSA	Gains/Losses on Derivatives and Hedging	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLSA	Gains/Losses on Derivatives and Hedging	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERHEDGLSA_DC	Gains/Losses on Derivatives and Hedging Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLSA_DC	Gains/Losses on Derivatives and Hedging Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
DERHEDGLSA_DC	Gains/Losses on Derivatives and Hedging Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERHEDGLY	Gains/Losses on Derivatives and Hedging	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLY	Gains/Losses on Derivatives and Hedging	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERHEDGLY_DC	Gains/Losses on Derivatives and Hedging Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERHEDGLY_DC	Gains/Losses on Derivatives and Hedging Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
DERHEDGLY_DC	Gains/Losses on Derivatives and Hedging Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
DERHEDGLY_FN	Gains/Losses on Derivatives and Hedging Foot Note	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLC	Derivative Liabilities - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLC	Derivative Liabilities - Current	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERLC_DC	Derivative Liabilities - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLC_DC	Derivative Liabilities - Current Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERLCQ	Derivative Liabilities - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLCQ	Derivative Liabilities - Current	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERLCQ_DC	Derivative Liabilities - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLCQ_DC	Derivative Liabilities - Current Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
DERLCQ_DC	Derivative Liabilities - Current Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERLLT	Derivative Liabilities - Long-Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLLT	Derivative Liabilities - Long-Term	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERLLT_DC	Derivative Liabilities - Long-Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLLTQ	Derivative Liabilities - Long-Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DERLLTQ	Derivative Liabilities - Long-Term	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
DERLLTQ	Derivative Liabilities - Long-Term	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DERLLTQ_DC	Derivative Liabilities - Long-Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DLTCC_DC	Debt - Long Term not Classified as Capital Data Code	2140	BPFO	Bank Format, Pro-Forma Reporting, Standard Presentation
DLTCCQ_DC	Long Term Debt not Classified as Capital Data Code	2140	BPFO	Bank Format, Pro-Forma Reporting, Standard Presentation
DT	Total Debt Including Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DT	Total Debt Including Current	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
DT	Total Debt Including Current	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DT	Total Debt Including Current	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
DVINTF	Dividends and Interest Received (Cash Flow)	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DVINTF	Dividends and Interest Received (Cash Flow)	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
DVINTF	Dividends and Interest Received (Cash Flow)	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
DVINTF_DC	Dividends and Interest Received (Cash Flow) Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DVINTFQ	Dividends and Interest Received (Cash Flow)	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
DVINTFQ	Dividends and Interest Received (Cash Flow)	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
DVINTFQ	Dividends and Interest Received (Cash Flow)	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
DVINTFQ_DC	Dividends and Interest Received (Cash Flow) Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
EPSFI12	Earnings Per Share (Diluted) - Including Extraordinary Items - 12 Months	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
EPSFI12	Earnings Per Share (Diluted) - Including Extraordinary Items - 12 Months	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
EPSFI12	Earnings Per Share (Diluted) - Including Extraordinary Items - 12 Months	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
EPSFI12	Earnings Per Share (Diluted) - Including Extraordinary Items - 12 Months	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
EPSP12	Earnings Per Share (Basic) - Including Extraordinary Items - 12 Months Moving	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
EPSP12	Earnings Per Share (Basic) - Including Extraordinary Items - 12 Months Moving	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
EPSP12	Earnings Per Share (Basic) - Including Extraordinary Items - 12 Months Moving	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
EPSP12	Earnings Per Share (Basic) - Including Extraordinary Items - 12 Months Moving	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
FFS_DC	Federal Funds Sold Data Code	15	FSFO	Financial Services Format, Pro-Forma Reporting, Standardized Presentation
FFS_DC	Federal Funds Sold Data Code	2140	BPFO	Bank Format, Pro-Forma Reporting, Standard Presentation
FFSQ_DC	Federal Funds Sold Data Code	2140	BPFO	Bank Format, Pro-Forma Reporting, Standard Presentation
FFSSP_DC	Federal Funds Sold and Securities Purchased Under Agreements to Resell Data Cod	2140	BPFO	Bank Format, Pro-Forma Reporting, Standard Presentation
FFSSPQ_DC	Federal Funds Sold and Securities Purchased Under Agreements to Resell Data Code	2140	BPFO	Bank Format, Pro-Forma Reporting, Standard Presentation
FINACO	Finance Division: Other Current Assets, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINACO_DC	Finance Division: Other Current Assets, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINACOQ	Finance Division: Other Current Assets, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINACOQ_DC	Finance Division: Other Current Assets, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
FINAO	Finance Division: Other Long-Term Assets, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINAO_DC	Finance Division: Other Long-Term Assets, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINAOQ	Finance Division: Other Long-Term Assets, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINAOQ_DC	Finance Division: Other Long-Term Assets, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINCH	Finance Division: Cash and Cash Equivalents	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINCH_DC	Finance Division: Cash and Cash Equivalents Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINCHQ	Finance Division: Cash and Cash Equivalents	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINCHQ_DC	Finance Division: Cash and Cash Equivalents Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLC	Finance Division: Long-Term Debt - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLC_DC	Finance Division: Long-Term Debt - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLCQ	Finance Division: Long-Term Debt - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLCQ_DC	Finance Division: Long-Term Debt - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLT	Finance Division: Debt - Long-Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLT_DC	Finance Division: Debt - Long-Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLT_FN	Finance Division: Debt - Long-Term Foot Note	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLTQ	Finance Division: Debt - Long-Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLTQ_DC	Finance Division: Debt - Long-Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINDLTQ_FN	Finance Division: Debt - Long-Term Foot Note	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINIVST	Finance Division: Short-Term Investments	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINIVST_DC	Finance Division: Short-Term Investments Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINIVSTQ	Finance Division: Short-Term Investments	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINIVSTQ_DC	Finance Division: Short-Term Investments Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINLCO	Finance Division: Other Current Liabilities, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINLCO_DC	Finance Division: Other Current Liabilities, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINLCOQ	Finance Division: Other Current Liabilities, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINLCOQ_DC	Finance Division: Other Current Liabilities, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
FINLTO	Finance Division: Other Long-Term Liabilities, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINLTO_DC	Finance Division: Other Long-Term Liabilities, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINLTOQ	Finance Division: Other Long-Term Liabilities, Total	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINLTOQ_DC	Finance Division: Other Long-Term Liabilities, Total Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINNP	Finance Division: Notes Payable	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINNP_DC	Finance Division: Notes Payable Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINNPQ	Finance Division: Notes Payable	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINNPQ_DC	Finance Division: Notes Payable Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECC	Finance Division: Current Receivables	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECC_DC	Finance Division: Current Receivables Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECCQ	Finance Division: Current Receivables	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECCQ_DC	Finance Division: Current Receivables Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECLT	Finance Division: Long-Term Receivables	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECLT_DC	Finance Division: Long-Term Receivables Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECLTQ	Finance Division: Long-Term Receivables	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINRECLTQ_DC	Finance Division: Long-Term Receivables Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREV	Finance Division: Revenue	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREV_DC	Finance Division: Revenue Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREVQ	Finance Division: Revenue	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREVQ_DC	Finance Division: Revenue Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREVS	Finance Division: Revenue	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREVS_DC	Finance Division: Revenue Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREVV	Finance Division: Revenue	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINREVV_DC	Finance Division: Revenue Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXINT	Finance Division: Interest Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXINT_DC	Finance Division: Interest Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
FINXINTQ	Finance Division: Interest Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXINTQ_DC	Finance Division: Interest Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXINTSA	Finance Division: Interest Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXINTSA_DC	Finance Division: Interest Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXINTY	Finance Division: Interest Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXINTY_DC	Finance Division: Interest Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPR	Finance Division: Operating Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPR_DC	Finance Division: Operating Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPRQ	Finance Division: Operating Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPRQ_DC	Finance Division: Operating Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPRSA	Finance Division: Operating Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPRSA_DC	Finance Division: Operating Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPRY	Finance Division: Operating Expense	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
FINXOPRY_DC	Finance Division: Operating Expense Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GDWLID12_DC	Impairments Diluted EPS / 12mm Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GDWLEIPS12_DC	Impairment of Goodwill Basic EPS Effect 12MM Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIV	Gains/Losses on Investments	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIV	Gains/Losses on Investments	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
GLIV_DC	Gains/Losses on Investments Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIVQ	Gains/Losses on Investments	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIVQ	Gains/Losses on Investments	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
GLIVQ_DC	Gains/Losses on Investments Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIVQ_DC	Gains/Losses on Investments Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
GLIVQ_DC	Gains/Losses on Investments Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
GLIVSA	Gains/Losses on Investments	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIVSA	Gains/Losses on Investments	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
GLIVSA_DC	Gains/Losses on Investments Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIVSA_DC	Gains/Losses on Investments Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
GLIVSA_DC	Gains/Losses on Investments Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
GLIVY	Gains/Losses on Investments	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIVY	Gains/Losses on Investments	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
GLIVY_DC	Gains/Losses on Investments Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
GLIVY_DC	Gains/Losses on Investments Data Code	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
GLIVY_DC	Gains/Losses on Investments Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
IASCI_DC	Investment Assets (Insurance) - Securities - Sundry (Cost) Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
IASTI_DC	Investment Assets - Securities - Total (Insurance) Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
IAFXI_DC	Investment Assets - Fixed Income Securities (Insurance) Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
IPC_DC	Investment Property (Cost) Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
IVST_DC	Short-Term Investments Data Code	15	FSFO	Financial Services Format, Pro-Forma Reporting, Standardized Presentation
LIFRP	LIFO Reserve - Prior	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
LIFRP	LIFO Reserve - Prior	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
LIFRP	LIFO Reserve - Prior	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
LIFRP	LIFO Reserve - Prior	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
LIFRP	LIFO Reserve - Prior	10	PDIV	Industrial Format, Pre-Divestiture Reporting, Standardized Presentation
LIFRP_DC	LIFO Reserve - Prior Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
LIFRP_DC	LIFO Reserve - Prior Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
NAT_DC	Nonadmitted Assets - Total (Statutory) Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
PNRSHOQ_FN	Nonred Pfd Shares Outs (000) - Quarterly Footnote	2100	BSTD	Bank Format, Consolidated Information, Standardized Presentation
RARI_DC	Reinsurance Assets - Receivable/Debtors (Insurance) Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
RCD_DC	Restructuring Costs Diluted EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
RCEPS_DC	Restructuring Costs Basic EPS Effect Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
RLP_DC	Reinsurance Liabilities - Payables/Creditors Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
RSTCHE	Restricted Cash and Investments - Current	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
RSTCHE	Restricted Cash and Investments - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
RSTCHE_DC	Restricted Cash and Investments - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
RSTCHELT	Restricted Cash and Investments - Long-Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
RSTCHELT	Restricted Cash and Investments - Long-Term	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
RSTCHELT_DC	Restricted Cash and Investments - Long-Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
RSTCHELTQ	Restricted Cash and Investments - Long-Term	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
RSTCHELTQ	Restricted Cash and Investments - Long-Term	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
RSTCHELTQ	Restricted Cash and Investments - Long-Term	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
RSTCHELTQ_DC	Restricted Cash and Investments - Long-Term Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
RSTCHEQ	Restricted Cash and Investments - Current	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
RSTCHEQ	Restricted Cash and Investments - Current	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
RSTCHEQ_DC	Restricted Cash and Investments - Current Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
SETD_DC	Settlement (Litigation/Insurance) Diluted EPS Effect Data Code	2100	BSTD	Bank Format, Consolidated Information, Standardized Presentation
XRDP	Research and Development - Prior	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
XRDP	Research and Development - Prior	5	PFO	Industrial Format, Pro Forma Reporting, Standardized Presentation
XRDP	Research and Development - Prior	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
XRDP	Research and Development - Prior	8	PRE	Industrial Format, Consolidated Information, Standardized Data Collected from the Latest Annual Filing
XRDP_DC	Research and Development - Prior Data Code	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
XRDP_DC	Research and Development - Prior Data Code	7	SFAS	Industrial Format, Pre-FASB Reporting, Standardized Presentation
XRDP_DC	Research and Development - Prior Data Code	10	PDIV	Industrial Format, Pre-Divestiture Reporting, Standardized Presentation

DATA EDITS: AUGUST 2014 - JULY 2015

JULY 2015 LINK EDITS

GVKEY 179694 (FORCEFIELD ENERGY INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060601	20090629	0	0	00X	NR	C
20090630	20131016	0	0	01	NR	P
20131017	20150531	14246	54606	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060601	20090629	0	0	00X	NR	C
20090630	20131016	0	0	01	NR	P
20131017	20150420	14246	54606	01	LC	P

GVKEY 002136 (VERIZON COMMUNICATIONS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19831130	19840215	0	0	01	NU	P
19840216	99999999	65875	20288	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19831130	99999999	65875	20288	01	LC	P

GVKEY 019134 (RUTHIGEN INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20110401	20140320	0	0	00X	NR	C
20140321	99999999	14551	54793	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20110401	20140320	0	0	00X	NR	C
20140321	20150615	14551	54793	01	LC	P

JUNE 2015 LINK EDITS

GVKEY 4632 (CALADRIUS BIOSCIENCES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19791001	19810408	0	0	00X	NR	C
19810409	19951011	34666	1783	02	LC	P

19951012	20070808	0	0	02	NR	P
20070809	20130809	34666	1783	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19791001	19810408	0	0	00X	NR	C
19810409	19951011	34666	1783	02	LC	P
19951012	20070808	0	0	02	NR	P
20070809	99999999	34666	1783	02	LC	P

GVKEY 28485 (COLLIERS INTL GROUP INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980430	99999999	81208	13517	01	LU	P
19930630	19950119	0	0	01C	NU	C
19950120	19980429	81208	13517	01C	LX	C
19980430	99999999	81208	13517	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980430	99999999	81208	13517	01	LC	P
19930630	19950119	0	0	01C	NR	C
19950120	19980429	81208	13517	01C	LX	C
19980430	99999999	81208	13517	01C	LX	N

GVKEY 63671 (ORCKIT COMMUNICATI)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19960926	0	0	00X	NU	C
19960927	99999999	84008	14991	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19960926	0	0	00X	NR	C
19960927	20120621	84008	14991	01	LC	P
20120622	99999999	0	0	01	NR	P

GVKEY 239356 (PROMOTORA DE INFORMACIONES)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090101	20101202	0	0	00X	NR	C
20101203	20120229	12382	53562	90	LC	P
20120301	20140630	12382	53562	90	LC	J
20140701	99999999	12382	53562	90	LC	P
20101203	20120229	12383	53562	91	LC	J
20120301	20140630	12383	53562	91	LC	P
20140701	20140731	12383	53562	91	LC	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090101	20101202	0	0	00X	NR	C
20101203	20120229	12382	53562	90	LC	P
20120301	20140630	12382	53562	90	LC	J
20140701	20140922	12382	53562	90	LC	P
20101203	20120229	12383	53562	91	LC	J
20120301	20140630	12383	53562	91	LC	P
20140701	20140714	12383	53562	91	LC	J

GVKEY 005492 (HARRIS CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500701	19620130	0	0	00X	NR	C
19620131	99999999	25582	20883	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500701	19620130	0	0	00X	NR	C
19620131	99999999	25582	20883	01	LC	P

MAY 2015 LINK EDITS**GVKEY 62977 (SALIX PHARMACEUTICALS LTD)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960628	19980331	0	0	01C	NR	P
20001120	20150430	88811	40999	02	LC	P
19980430	20001119	0	0	02C	NR	C
20001120	20150430	88811	40999	02C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960628	19980331	0	0	01C	NR	P
20001120	20150331	88811	40999	02	LC	P
19980430	20001119	0	0	02C	NR	C
20001120	20150331	88811	40999	02C	LX	N

GVKEY 177405 (ALLIED NEVADA GOLD CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040101	20070509	0	0	00X	NR	C
20070510	99999999	91976	52248	01	LC	P
20070510	99999999	91976	52248	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040101	20070509	0	0	00X	NR	C
20070510	20150309	91976	52248	01	LC	P
20150310	99999999	0	0	01	NR	P
20070510	20150309	91976	52248	01C	LX	N
20150310	99999999	0	0	01C	NR	N

GVKEY 118121 (CORINTHIAN COLLEGES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960701	19990204	0	0	00X	NU	C
19990205	99999999	86715	16398	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960701	19990204	0	0	00X	NR	C
19990205	20150213	86715	16398	01	LC	P
20150214	99999999	0	0	01	NR	P

GVKEY 65218 (COGENTIX MEDICAL INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970829	20051002	0	0	01	NR	P
20051003	99999999	90942	47871	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970829	20051002	0	0	01	NR	P
20051003	20150331	90942	47871	01	LC	P
20150401	99999999	78217	11851	01	LC	P

GVKEY 26246 (VISION-SCIENCES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910401	19921214	0	0	00X	NU	C
19921215	20150331	78217	11851	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910401	19921214	0	0	00X	NR	C
19921215	20150331	78217	11851	01	LC	P

GVKEY 64355 (GOLDEN OCEAN GROUP LTD)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19970206	0	0	00X	NU	C
19970207	99999999	84566	15323	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19970206	0	0	00X	NR	C
19970207	99999999	84566	15323	01	LC	P

GVKEY 118795 (QUICKSILVER RESOURCES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19990304	0	0	00X	NU	C
19990305	99999999	86759	35017	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19990304	0	0	00X	NR	C
19990305	20150107	86759	35017	01	LC	P
20150108	99999999	0	0	01	NR	P

GVKEY 126434 (RAINMAKER SYSTEMS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19991116	0	0	00X	NR	C
19991117	99999999	87414	17387	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19991116	0	0	00X	NR	C
19991117	20130612	87414	17387	01	LC	P
20130613	99999999	0	0	01	NR	P

GVKEY (166458 ATLAS ENERGY GROUP LLC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20060720	0	0	00X	NR	C
20060721	99999999	91376	50950	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20060720	0	0	00X	NR	C
20060721	20150227	91376	50950	01	LC	P
20150302	99999999	15188	55178	01	LC	P

GVKEY 1966 (BACARDI CORP -CL A)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19771229	0	0	00X	NU	C
19771230	19830116	0	0	01	NU	C
19830117	19861222	16353	5771	01	LU	C
19861223	19981030	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19771229	0	0	00X	NR	C
19771230	19830116	0	0	01	NR	C
19830117	19861222	16353	5771	01	LC	C
19861223	19981030	0	0	01	NR	C
19810130	19821231	0	0	02	NR	J

GVKEY 13649 (NATIONAL HOLDINGS CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19861001	19870622	0	0	00X	NU	C
19870623	19870629	11441	9278	00X	LU	C
19870630	20041029	11441	9278	01	LU	P
20041030	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19861001	19870622	0	0	00X	NR	C
19870623	20041029	11441	9278	01	LC	P
20041030	20150302	0	0	01	NR	P
20150303	99999999	11441	9278	01	LC	P

GVKEY 23170 (NORSAT INTL INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19880128	0	0	00X	NU	C
19910715	20031014	76958	11021	01	LU	P
20031015	99999999	0	0	01	NU	P
19880129	19910714	0	0	01C	NU	C
19910715	20031014	76958	11021	01C	LX	N
20031015	99999999	0	0	01C	NU	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910715	20031014	76958	11021	01	LC	P
20031015	20150209	0	0	01	NR	P
20150210	99999999	76958	11021	01	LC	P
19880129	19910714	0	0	01C	NR	C
19910715	20031014	76958	11021	01C	LX	N
20031015	20150209	0	0	01C	NR	N
20150210	99999999	76958	11021	01C	LX	N

GVKEY 6972 (MAKITA CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19760301	19780130	0	0	00X	NR	C
20120330	99999999	0	0	01	NR	N
19780131	99999999	51087	2944	90	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19760301	19780130	0	0	00X	NR	C
20120629	20121130	0	0	01	NR	N
19780131	20130419	51087	2944	90	LC	P
20130420	99999999	0	0	90	NR	P

GVKEY 1951 (PERSEON CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800901	19801208	0	0	00X	NR	C
19801209	99999999	16249	674	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800901	19801208	0	0	00X	NR	C
19801209	19910102	16249	674	01	LC	C
19910103	20050608	0	0	01	NR	C
20050609	99999999	16249	674	01	LC	C

GVKEY 7637 (MYLAN NV)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730223	99999999	69550	3104	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730223	99999999	69550	3104	01	LC	P

GVKEY 31673 (AMERISOURCEBERGEN CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19931001	19950403	0	0	00X	NU	C
19950404	99999999	81540	13650	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19931001	19950403	0	0	00X	NR	C
19950404	99999999	81540	13650	01	LC	P

GVKEY 64162 (COVANCE INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19961230	0	0	00X	NU	C
19961231	19970113	0	0	01	NU	P
19970114	99999999	84364	31821	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19961230	0	0	00X	NR	C
19961231	19970113	0	0	01	NR	P
19970114	20150218	84364	31821	01	LC	P

GVKEY 14960 (LABORATORY CP OF AMER HLDGS)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19880706	0	0	00X	NU	C
19880707	99999999	12062	9848	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM	
19880101	19880706	0	0	00X	NR	C	
19880707	99999999	12062	9848	01	LC	P	

GVKEY 21496 (ORBITAL SCIENCES CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19900423	0	0	00X	NU	C
19900424	20150227	76139	10566	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM	
19890101	19900423	0	0	00X	NR	C	
19900424	20150209	76139	10566	01	LC	P	

FEBRUARY 2015 LINK EDITS**GVKEY 9359 (SAFEWAY INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	17291	22765	00X	LU	C
19620131	19861124	17291	22765	01	LU	C
19861125	19900425	0	0	01	NU	C
19900426	99999999	76149	22765	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM	
19500101	19620130	17291	22765	00X	LC	C	
19620131	19861124	17291	22765	01	LC	C	
19861125	19900425	0	0	01	NR	C	
19900426	20150129	76149	22765	01	LC	C	

GVKEY 177264 (COVIDIEN PLC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20051001	20070701	0	0	00X	NR	C
20070702	99999999	92156	52417	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20051001	20070701	0	0	00X	NR	C
20070702	20150126	92156	52417	02	LC	P

GVKEY 63866 (CUBIST PHARMACEUTICALS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19961024	0	0	00X	NU	C
19961025	99999999	84060	15079	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19961024	0	0	00X	NR	C
19961025	20150121	84060	15079	01	LC	P

GVKEY 7257 (MERCK & CO)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620101	22752	21188	00X	LN	C
19620102	99999999	22752	21188	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620101	22752	21188	00X	LC	C
19620102	99999999	22752	21188	01	LC	P

GVKEY 11220 (VORNADO REALTY TRUST)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590901	19630328	0	0	00X	NU	C
19630329	99999999	28388	21874	01	LU	P
19980430	20060131	0	0	02	NU	J
20040831	20060131	0	0	06	NU	J
20041130	20060131	0	0	07	NU	J
20050630	20060131	0	0	09	NU	J
20050831	20060131	0	0	11	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590901	19620130	0	0	00X	NR	C
19620131	19630328	28388	21874	00X	LC	C
19630329	99999999	28388	21874	01	LC	P
19980430	20060131	0	0	02	NR	J
20040831	20060131	0	0	06	NR	J
20041130	20060131	0	0	07	NR	J
20050630	20060131	0	0	09	NR	J
20050831	20060131	0	0	11	NR	J

GVKEY 6109 (INTL RECTIFIER CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19520701	19620130	0	0	00X	NU	C
19620131	99999999	27705	20996	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19520701	19601211	0	0	00X	NR	C
19601212	19620130	27705	20996	00X	LC	C
19620131	20150113	27705	20996	01	LC	P

GVKEY 13582 (CPS TECHNOLOGIES CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19870714	0	0	00X	NU	C
19870715	19870730	11511	9340	00X	LU	C
19870731	19930618	11511	9340	01	LU	C
19930619	99999999	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19870714	0	0	00X	NR	C
19870715	19930618	11511	9340	01	LC	C
19930619	20150114	0	0	01	NR	C
20150115	99999999	11511	9340	01	LC	C

GVKEY 176224 (FIRST TR TTL US MKT ALPHADEX)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20061206	0	0	00X	NR	C
20061207	99999999	91637	51532	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20061206	0	0	00X	NR	C
20061207	99999999	91637	50838	01	LS	P

GVKEY 66000 (ACRE REALTY INVESTORS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19970130	0	0	00X	NU	C
19970131	19971208	0	0	01	NU	C
19971209	99999999	85659	32187	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19970130	0	0	00X	NR	C
19970131	19971208	0	0	01	NR	C
19971209	19980429	85659	32187	01	LN	C
19980430	99999999	85659	32187	01	LC	C

GVKEY 65030 (CARDERO RESOURCE CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050124	99999999	90519	46090	01	LC	P
19980430	20050123	0	0	01C	NU	C
20050124	99999999	90519	46090	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050124	20131122	90519	46090	01	LC	P
20131123	99999999	0	0	01	NR	P
19980430	20050123	0	0	01C	NR	C
20050124	20131122	90519	46090	01C	LX	N
20131123	99999999	0	0	01C	NR	N

GVKEY 107965 (QUATERRA RESOURCES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080303	99999999	92607	52980	01	LC	P
19980430	20080302	0	0	01C	NU	C
20080303	99999999	92607	52980	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080303	20140206	92607	52980	01	LC	P
20140207	99999999	0	0	01	NR	P
19980430	20080302	0	0	01C	NR	C
20080303	20140206	92607	52980	01C	LX	N
20140207	99999999	0	0	01C	NR	N

JANUARY 2015 LINK EDITS**GVKEY 62107 (MULTIMEDIA GAMES HOLDINGS CO)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19931001	19950730	0	0	00X	NU	C
19950731	19960521	0	0	01	NU	C
19960522	99999999	83529	14641	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19931001	19950730	0	0	00X	NR	C
19950731	19960521	0	0	01	NR	C
19960522	20141219	83529	14641	01	LC	C

GVKEY 21487 (B/E AEROSPACE INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880801	19900423	0	0	00X	NU	C
19900424	99999999	76138	10567	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880801	19900423	0	0	00X	NR	C
19900424	99999999	76138	10567	01	LC	P

GVKEY 26011 (COMPUWARE CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910401	19921215	0	0	00X	NU	C
19921216	99999999	78139	11860	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910401	19921215	0	0	00X	NR	C
19921216	20141215	78139	11860	01	LC	P

GVKEY 116787 (CONCUR TECHNOLOGIES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19961001	19981215	0	0	00X	NU	C
19981216	20141231	86525	16349	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19961001	19981215	0	0	00X	NR	C
19981216	20141204	86525	16349	01	LC	P

GVKEY 103487 (SAP SE)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19960130	0	0	00X	NR	C
19960131	20010617	0	0	90	NR	P
20010618	99999999	89382	34858	90	LC	P
19960531	20000630	0	0	91	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19960130	0	0	00X	NR	C
19960131	19980802	0	0	90	NR	P
19980803	99999999	89382	34858	90	LC	P
19960531	20000630	0	0	91	NR	J

GVKEY 20534 (VIPER ENERGY PARTNERS LP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20140629	0	0	00X	NR	C
20140630	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20140617	0	0	00X	NR	C
20140618	99999999	15139	54901	01	LC	P

GVKEY 22124 (LANDMARK INFRASTR PRTNS LP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20141127	0	0	00X	NR	C
20141128	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20141113	0	0	00X	NR	C
20141114	99999999	15140	55115	01	LC	P

GVKEY 63952 (HC2 HOLDINGS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19961106	0	0	00X	NR	C
19961107	20060727	84247	15120	01	LC	P
20060728	20090630	0	0	01	NR	P
20090701	20090730	0	0	01	NR	C
20090731	20090731	0	0	01	NR	N
20090731	20110622	0	0	05	NR	P
20110623	20131127	12877	15120	05	LC	P
20131128	99999999	0	0	05	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19961106	0	0	00X	NR	C
19961107	20060727	84247	15120	01	LC	P
20060728	20090630	0	0	01	NR	P
20090701	20090730	0	0	01	NR	C
20090731	20090731	0	0	01	NR	N
20090731	20110622	0	0	05	NR	P
20110623	20140413	12877	15120	05	LC	P
20140414	20141228	0	0	05	NR	P
20141229	99999999	12877	15120	05	LC	P

GVKEY 107917 (SONDE RESOURCES CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020904	99999999	89507	43518	01	LC	P
19940831	20020903	0	0	01C	NR	C
20020904	99999999	89507	43518	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020904	20141117	89507	43518	01	LC	P
19940831	20020903	0	0	01C	NR	C
20020904	20141117	89507	43518	01C	LX	N

GVKEY 184079 (TENGION INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20100408	0	0	00X	NR	C
20100409	99999999	93358	53401	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20100408	0	0	00X	NR	C
20100409	20120905	93358	53401	01	LC	P
20120906	99999999	0	0	01	NR	P

DECEMBER 2014 LINK EDITS**GVKEY 26023 (WORLDTEX INC)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900101	19921129	0	0	00X	NU	C
19921130	19921214	0	0	01	NU	P
19921215	20000929	78791	29734	01	LU	P
20000930	20020930	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900101	19921129	0	0	00X	NR	C
19921130	19921214	0	0	01	NR	P
19921215	20000929	78791	29734	01	LC	P
20000930	20020930	0	0	01	NR	P
20141128	99999999	0	0	02	NR	C

GVKEY 110804 (NEFF CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980521	0	0	00X	NU	C
19980522	20011123	86025	34750	01	LU	P
20011124	20050630	0	0	01	NU	P
20050701	20080131	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980521	0	0	00X	NR	C
19980522	20011123	86025	34750	01	LC	P
20011124	20050630	0	0	01	NR	P
20141121	99999999	15045	34750	04	LC	P

GVKEY 22542 (FORTUNE INDUSTRIES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19900620	0	0	00X	NR	C
19900621	20130630	76355	10647	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19900620	0	0	00X	NR	C
19900621	19950508	76355	10647	01	LC	C
19950509	20050622	0	0	01	NR	C
20050623	20130628	76355	10647	01	LC	C
20130629	99999999	0	0	01	NR	C

GVKEY 181697 (ISHARES TARGET DATE 2010 ETF)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20081107	20141031	92826	37493	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20081106	0	0	00X	NR	C
20081107	20141014	92826	37493	01	LS	P

GVKEY 186898 (KIOR INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20110623	0	0	00X	NR	C
20110624	99999999	12887	53824	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080101	20110623	0	0	00X	NR	C
20110624	20140922	12887	53824	01	LC	P
20140923	99999999	0	0	01	NR	P

GVKEY 21668 (FIRST TRUST LONG/SH EQTY ETF)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140701	20140908	0	0	00X	NR	C
20140909	99999999	14901	55010	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140701	20140908	0	0	00X	NR	C
20140909	99999999	14901	54860	01	LS	P

GVKEY 16892 (TRI POINTE HOMES INC -OLD)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20130130	0	0	00X	NR	C
20130131	20140731	13748	54303	01	LC	P
20140801	99999999	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20130130	0	0	00X	NR	C
20130131	20140703	13748	54303	01	LC	P
20140704	99999999	0	0	99X	NR	C

GVKEY 13032 (CASH AMERICA INTL INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19870128	0	0	00X	NU	C
19870129	99999999	75215	8920	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19870128	0	0	00X	NR	C
19870129	99999999	75215	8920	01	LC	P

GVKEY 120359 (TW TELECOM INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19990511	0	0	00X	NU	C
19990512	20141031	86926	16525	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19990511	0	0	00X	NR	C
19990512	20141031	86926	16525	01	LC	P
20141101	99999999	0	0	01	NR	P

GVKEY 13440 (LEVEL 3 COMMUNICATIONS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19971030	0	0	00X	NU	C
19971031	19980331	0	0	03	NU	P
19980401	99999999	85991	16033	03	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19971030	0	0	00X	NR	C
19971031	19980331	0	0	03	NU	P
19980401	99999999	85991	16033	03	LC	P

GVKEY 6433 (KIMBALL INTERNATIONAL -CL B)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740701	19760927	0	0	00X	NU	C
19760928	99999999	47715	2498	01	LU	P
19941230	99999999	0	0	02	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740701	19760927	0	0	00X	NR	C
19760928	99999999	47715	2498	01	LC	P
19941230	99999999	0	0	02	NR	J

GVKEY 6435 (KIMBERLY-CLARK CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500501	19620130	17750	21055	00X	LU	C
19620131	99999999	17750	21055	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500501	19620130	17750	21055	00X	LC	C
19620131	99999999	17750	21055	01	LC	P

GVKEY 8210 (OVERSEAS SHIPHOLDING GROUP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19690101	19700129	0	0	00X	NU	C
19700130	19701104	0	0	01	NU	P
19701105	20140630	51457	21346	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19690101	19700129	0	0	00X	NU	C
19700130	19701104	0	0	01	NU	P
19701105	20121113	51457	21346	01	LC	P
20121114	20140630	0	0	01	NR	P
20141009	99999999	14976	55056	03	LC	P

GVKEY 25937 (LIGAND PHARMACEUTICAL INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19921117	0	0	00X	NR	C
19921118	19941124	78081	11806	01	LD	J
19921118	99999999	78081	11806	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19921117	0	0	00X	NR	C
19921118	19941031	78081	11806	01	LC	P
19941101	19941124	78081	11806	01	LC	C
19941125	99999999	78081	11806	02	LC	P

GVKEY 15172 (FIAT CHRYSLER AUTOMOBILES NV)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19850130	0	0	00X	NR	C
19850131	19890213	0	0	90	NU	C
19890214	20070822	75456	1720	90	LU	C
20070823	99999999	0	0	90	NR	C
19980430	20070731	0	0	91	NU	N
19980430	20130131	0	0	92	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20141013	99999999	14987	55064	07	LC	P
19850131	19890213	0	0	90	NU	C
19890214	20070822	75456	1720	90	LC	C
20070823	20140930	0	0	90	NR	C
20141001	20141012	0	0	90	NR	C
20141013	99999999	0	0	90	NR	N
19980430	20070731	0	0	91	NR	N
19980430	20130131	0	0	92	NR	J

GVKEY 8176 (ORBIT INTERNATIONAL CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740401	19790130	59871	3396	00X	LU	C
19790131	99999999	59871	3396	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740401	19790130	59871	3396	00X	LN	C
19790131	20141029	59871	3396	01	LC	P
20141030	99999999	0	0	01	NR	P

GVKEY 10374 (PULSE ELECTRONICS CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19650101	19680130	0	0	00X	NR	C
19680131	99999999	44513	21717	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19650101	19670531	0	0	00X	NR	C
19670601	19680130	44513	21717	00X	LC	C
19680131	20141016	44513	21717	01	LC	P
20141017	99999999	0	0	01	NR	P

GVKEY 184241 (UNITEK GLOBAL SERVICES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070701	20100128	0	0	00X	NR	C
20100129	20101110	0	0	01	NR	P
20101111	99999999	88806	40995	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070701	20100128	0	0	00X	NR	C
20100129	20101110	0	0	01	NR	P
20101111	20140820	88806	40995	01	LC	P

GVKEY 5071 (GENERAL MILLS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500601	19620130	17144	20798	00X	LU	C
19620131	99999999	17144	20798	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500601	19620130	17144	20798	00X	LC	C
19620131	99999999	17144	20798	01	LC	P

GVKEY 10813 (URS CORP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19661101	19680829	0	0	00X	NU	C
19680830	19700315	0	0	01	NU	P
19700316	99999999	50278	21749	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19661101	19680829	0	0	00X	NR	C
19680830	19700315	0	0	01	NR	P
19700316	20141016	50278	21749	01	LC	P

GVKEY 12236 (MEASUREMENT SPECIALTIES INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850401	19880927	0	0	00X	NU	C
19880928	99999999	12217	8268	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850401	19880927	0	0	00X	NR	C
19880928	99999999	12217	8268	01	LC	C

GVKEY 15212 (CROSSAMERICA PARTNERS LP)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090101	20121030	0	0	00X	NR	C
20121031	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090101	20121024	0	0	00X	NR	C
20121025	99999999	13615	54202	01	LC	P

OCTOBER 2014 LINK EDITS**GVKEY 8838 (PYRAMID OIL CO)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19780130	0	0	00X	NU	C
19780131	20140930	64822	3737	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19780130	0	0	00X	NR	C
19780131	20060820	0	0	01	NR	C
20060821	20140910	64822	3737	01	LC	C

GVKEY 7331 (MICROS SYSTEMS INC)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790701	19810212	0	0	00X	NU	C
19810213	20140930	53480	2829	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790701	19810212	0	0	00X	NR	C
19810213	20140908	53480	2829	01	LC	P

SEPTEMBER 2014 LINK EDITS**GVKEY 19932 (YADKIN FINANCIAL CORP)**

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19930129	19990228	0	0	01	NR	P
19990301	20140731	86793	16427	01	LC	P

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19930129	19990228	0	0	01	NR	P
19990301	20140703	86793	16427	01	LC	P

GVKEY 10793 (TYSON FOODS INC)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19621001	19630627	0	0	00X	NU	C
19630628	19721213	0	0	01	NU	P
19721214	99999999	77730	4620	01	LU	P

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19621001	19630627	0	0	00X	NR	C
19630628	19721213	0	0	01	NR	P
19721214	99999999	77730	4620	01	LC	P
19870227	99999999	0	0	02	NR	N

GVKEY 31692 (MB FINANCIAL INC)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19940401	19950406	0	0	00X	NU	C
19950407	99999999	81541	13660	01	LU	P

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19940401	19950406	0	0	00X	NR	C
19950407	99999999	81541	13660	01	LC	P

GVKEY 113530 (LIME ENERGY CO)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19980501	19980830	0	0	00X	NR	C
19980831	20001211	0	0	01	NR	P
20001212	20060609	88850	41078	01	LC	P
20060610	20080224	0	0	01	NR	P
20080225	99999999	92556	52949	01	LC	P

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19980501	19980830	0	0	00X	NR	C
19980831	20001211	0	0	01	NR	P
20001212	20060611	88850	41078	01	LC	P
20060612	20080224	0	0	01	NR	P
20080225	99999999	88850	41078	01	LC	P

GVKEY 106897 (KOBEX CAPITAL CORP)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
20021129	20050705	0	0	01	NR	P
20050706	99999999	90785	46995	01	LC	P
19880930	20021128	0	0	01C	NR	C
20021129	20050705	0	0	01C	NR	N
20050706	99999999	90785	46995	01C	LX	N

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
20021129	20050705	0	0	01	NR	P
20050706	20130531	90785	46995	01	LC	P
20130601	99999999	0	0	01	NR	P
19880930	20021128	0	0	01C	NR	C
20021129	20050705	0	0	01C	NR	N
20050706	20130531	90785	46995	01C	LX	N
20130601	99999999	0	0	01C	NR	N

GVKEY 121717 (MECKLERMEDIA CORP)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19980101	19990624	0	0	00X	NR	C
19990625	99999999	86977	16613	01	LC	P

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19980101	19990624	0	0	00X	NR	C
19990625	20140605	86977	16613	01	LC	P
20140606	99999999	0	0	01	NR	P

GVKEY 127475 (FAB UNIVERSAL CORP)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19990101	20000427	0	0	00X	NR	C
20000428	20080206	0	0	01	NR	P
20080207	99999999	92582	52966	01	LC	P

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19990101	20000427	0	0	00X	NR	C
20000428	20080206	0	0	01	NR	C
20080207	20131121	92582	52966	01	LC	C
20131122	99999999	0	0	01	NR	C

GVKEY 185227 (BODY CENTRAL CORP)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
20050101	20101014	0	0	00X	NR	C
20101015	99999999	12349	53534	01	LC	P

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
20050101	20101014	0	0	00X	NR	C
20101015	20140708	12349	53534	01	LC	P
20140709	99999999	0	0	01	NR	P

GVKEY 13288 (ROCK CREEK PHARMACEUTICALS)

OLD:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19860101	19860324	0	0	00X	NU	C
19860325	19880111	75497	7998	01	LC	C
19880112	20000320	0	0	01	NR	C
20000321	99999999	87816	18443	01	LC	C

NEW:

LINKENDDT	LPERMNO	LPERMCO	LI	ID	LINKTYPE	LINKPRIM
19860101	19860324	0	0	00X	NU	C
19860325	19880111	87816	18443	01	LC	C
19880112	20000320	0	0	01	NR	C
20000321	99999999	87816	18443	01	LC	C

AUGUST 2014 LINK EDITS**GVKEY 27786 CHESAPEAKE ENERGY CORP**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910701	19930204	0	0	00X	NU	C
19930205	99999999	78877	11937	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910701	19930204	0	0	00X	NR	C
19930205	99999999	78877	11937	01	LC	P

GVKEY 4843 FOREST LABORATORIES –CL A

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600401	19660728	0	0	00X	NU	C
19660729	19671023	0	0	01	NU	P
19671024	20140630	45241	20753	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600401	19660728	0	0	00X	NR	C
19660729	19671023	0	0	01	NR	P
19671024	20140630	45241	20753	01	LC	P

GVKEY 163630 GENCO SHIPPING & TRADING

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040101	20050721	0	0	00X	NR	C
20050722	20140630	90813	47018	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040101	20050721	0	0	00X	NR	C
20050722	20140421	90813	47018	01	LC	P
20140422	20140630	0	0	01	NR	P
20140701	20140730	0	0	01	NR	C
20140731	99999999	0	0	01	NR	N
20140731	99999999	0	0	02	NR	P

GVKEY 6104 INTL PAPER CO

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	21573	20994	00X	LU	C
19620131	99999999	21573	20994	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	21573	20994	00X	LC	C
19620131	99999999	21573	20994	01	LC	P

GVKEY 127481 MAXYGEN INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19991215	0	0	00X	NR	C
19991216	99999999	87499	17524	01	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19991215	0	0	00X	NR	C
19991216	20130829	87499	17524	01	LC	C
20130830	20140630	0	0	01	NR	C

GVKEY 260775 MNC MEDIA INVESTMENT LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990101	20040303	0	0	00X	NU	C
20040304	99999999	90087	44997	90	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20040303	0	0	00X	NR	C
20040304	20131231	90087	44997	90	LC	P
20140101	99999999	0	0	90	NR	P

GVKEY 104831 TELECOM CORP OF NEW ZEALAND

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900401	19910716	0	0	00X	NU	C
19910717	99999999	76760	29055	90	LU	P
19980430	19990331	0	0	91	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900401	19910716	0	0	00X	NR	C
19910717	20120709	76760	29055	90	LC	P
20120710	99999999	0	0	90	NR	P
19980430	19990331	0	0	91	NR	J

GVKEY 10581 TIMKEN CO

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	14795	21758	00X	LU	C
19620131	99999999	14795	21758	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	14795	21758	00X	LC	C
19620131	99999999	14795	21758	01	LC	P