

## ABOUT THE OCTOBER 2010 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is October 9, 2010. This shipment includes the following version of the CRSP/Compustat Merged Database:

- CMZ201010 – the CCM format database using Compustat’s Xpressfeed delivery.

All CRSP/Compustat Merged Database media are shipped on DVDs.

### DATABASE CHARACTERISTICS

The following table summarizes general characteristics of the CCM database.

Attribute	CCM Format Database (new)
Source	Compustat Xpressfeed
Volume Label	CMZyyyyymm
Size	6.96 GB
Delivery Media	DVD
CRSPAccess version	3.1 and higher – ts_print ccm_print
CRSPSift Version (Windows only)	2.1 and higher – Standard, Professional, Enterprise versions
SASECRSP Engine	Coming soon
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.

FORTRAN-95 programs are now supported in the newly released CRSPAccess Version 3.14. Please review the CRSPAccess Utilities and Program Libraries Release Notes for changes and usage.

The Release Notes and Programmer’s Guide can be accessed on-line at:  
<http://www.crsp.ChicagoBooth.edu/documentation>.

SASECRSP engine support for Xpressfeed data will be available in a future release by SAS.

### PARAMETERS

CMZ 201010	
Total Compustat Records	39739
Total GVKEY Companies	37541
Total GVKEYX Indexes	2198
Total GVKEY/IID Securities	44546
Total CRSP Securities Linked	54905
Total GVKEYs in Link	36581
Total Link Records	82782
Total Link Records with a Link to CRSP	29062
Database Size	6.98 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	19251231-20101010	1-22471
Monthly trading calendar	19251231-20141231	1-1069
Annual trading calendar	19251231-20111230	1-87
Quarterly trading calendar	19251231-20111230	1-345
Semi-Annual trading calendar	19251231-20111230	1-173
Weekly trading calendar	19260102-20101010	1-4423

## NEW ITEMS IN CCM

The following are new data items added this month. Note that new Compustat data items or new keyset combinations of existing items have been routinely added to the CCM version of the database.

### NEW KEYSET COMBINATIONS FOR EXISTING DATA CODE ITEMS

Item Mnemonic	Item Name	New Keyset, Tag, Description
PNATE_FN	Pension Asset Allocation - Equity Footnote	7, SFAS, Industrial Format, Pre-FASB Reporting, Standardized Presentation
SCBOOKQ_DC	Bookings – Semi Equipment Qtr – Data Code	1, STD, Industrial Format, Consolidated Information, Standardized Presentation
SCBOOKY_DC	Bookings – Semi Equipment – Year-to-Date – Data Code	1, STD, Industrial Format, Consolidated Information, Standardized Presentation
XRDY_FN	Research & Development Expense Footnote	5, PFO, Industrial Format, Pro Forma Reporting, Standardized Presentation

## CCM LINK EDITS

### OCTOBER EDITS

Reviewed list of 120 gvkeys where the link history's begin date was more than a month earlier than the Compustat security's begin date. Edits consisted mainly of changing link history begin dates to reflect Compustat security's underlying data.

#### ALTAIR CORP-DEL (GVKEY 1341)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19710225	0	0	00X	NR	C
19710226	19721213	0	0	01	NR	P
19721214	19850718	12141	179	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19710225	0	0	00X	NR	C
19710226	19721213	0	0	01	NR	P
19721214	19850718	12141	179	01	LC	P
20030731	99999999	0	0	02	NR	C

#### BLOCKBUSTER INC (GVKEY 122514)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19990810	0	0	00X	NU	C
19990811	99999999	87134	35220	01	LC	P
20040930	20041013	0	0	02	NU	J
20041014	99999999	90337	35220	02	LU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19990810	0	0	00X	NR	C
19990811	20100706	87134	35220	01	LC	P
20100707	99999999	0	0	01	NR	P
20040930	20041013	0	0	02	NR	J
20041014	20100706	90337	35220	02	LC	J
20100707	99999999	0	0	02	NR	J

**CHARTER FINANCIAL CORP/GA (GVKEY 145636)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19981001	20011016	0	0	00X	NU	C
20011017	20070129	89168	42266	01	LC	P
20070130	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19981001	20011016	0	0	00X	NR	C
20011017	20070129	89168	42266	01	LC	P
20070130	20100928	0	0	01	NR	P
20100929	99999999	89168	42266	01	LC	P

**DAIMLER AG (GVKEY 17828)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851231	19880128	0	0	00X	NR	C
19930129	19931004	0	0	01	NR	P
19931005	19981106	79750	29998	01	LC	P
19981107	19981116	0	0	01	NR	P
19981117	99999999	86381	34898	01	LC	P
19981117	20020628	86381	34898	01C	LX	N
19980529	20011130	0	0	02	NR	N
19880129	19930128	0	0	90	NR	C
19930129	19940531	0	0	90	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851231	19880128	0	0	00X	NR	C
19930129	19931004	0	0	01	NR	P
19931005	19981106	79750	29998	01	LC	P
19981107	19981116	0	0	01	NR	P
19981117	20100604	86381	34898	01	LC	P
19940531	19981116	0	0	01C	NR	N
19981117	20100528	86381	34898	01C	LX	N
19980529	20011130	0	0	02	NR	N
19880129	19930128	0	0	90	NR	C
19930129	19940531	0	0	90	NR	N
20100930	99999999	0	0	91	NR	J

**DAYLIN INC (GVKEY 3812)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730901	19771229	41603	24547	00X	LC	C
19790101	19810831	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730901	19731231	0	0	00X	NR	C
19740101	19781231	41603	24547	00X	LC	C
19790101	19790130	0	0	00X	NR	C
19790131	19790330	0	0	01	NR	P
19790331	19810831	0	0	99X	NR	C

**DWS RREEF REAL ESTATE FD II (GVKEY 155939)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20030227	0	0	00X	NU	C
20030228	20030731	0	0	01	NU	C
20030801	20030826	0	0	01	NU	P
20030827	20100630	89816	44283	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20030227	0	0	00X	NR	C
20030228	20030731	0	0	01	NR	C
20030801	20030826	0	0	01	NR	P
20030827	20100611	89816	44283	01	LC	P
20100612	20100930	0	0	01	NR	P

**GLEN ROSE PETROLEUM CORP (GVKEY 14815)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870401	19870921	0	0	00X	NR	C
20100306	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870401	19870921	0	0	00X	NR	C
19870922	19871029	28223	5137	00X	LC	C
19871030	20100305	28223	5137	01	LC	P
20100306	99999999	0	0	01	NR	P

**HANA BIOSCIENCES INC (GVKEY 154708)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20030828	0	0	00X	NR	C
20030829	20050921	0	0	01	NU	P
20050922	99999999	90888	47430	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20030828	0	0	00X	NR	C
20030829	20050921	0	0	01	NR	P
20050922	20090909	90888	47430	01	LC	P
20090910	99999999	0	0	01	NR	P

**HARRINGTON WEST FINL GROUP (GVKEY 150398)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20021105	0	0	00X	NR	C
20021106	99999999	89568	43684	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20021105	0	0	00X	NR	C
20021106	20091204	89568	43684	01	LC	P
20091205	99999999	0	0	01	NR	P

**K V PHARMACEUTICAL -CL A (GVKEY 6315)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19710401	19710929	0	0	00X	NR	C
19820129	19821231	46950	2589	01	LC	J
19830101	19911231	46950	2589	01	LC	P
19920101	99999999	46950	2589	01	LC	J
19710930	19821231	0	0	02	NR	C
19830101	19911130	0	0	02	NR	N
19911201	19911226	0	0	02	NR	J
19911227	19911231	77158	2589	02	LC	J
19920101	99999999	77158	2589	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19710401	19710929	0	0	00X	NR	C
19911227	19911231	77158	2589	02	LC	J
19920101	99999999	77158	2589	02	LC	P

**METALDYNE CORP (GVKEY 7086)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840101	19840617	0	0	00X	NU	C
19840618	20001130	51800	7089	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840101	19840617	0	0	00X	NR	C
19840618	20001128	51800	7089	01	LC	P
20080229	20080930	0	0	03	NR	C
20081001	20090731	0	0	99X	NR	C

**OPPENHEIMER HOLDINGS INC (GVKEY 13453)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19820101	19860101	78451	26284	00X	LN	C
19860102	19860827	0	0	00X	NR	C
19860828	19880629	78451	26284	00X	LC	C
19930226	99999999	78451	26284	01	LC	C
19880630	19930225	78451	26284	01C	LX	C
19930226	20090430	78451	26284	01C	LX	N
20090501	99999999	78451	26284	01C	LX	J
20090227	99999999	0	0	02	NR	J
19960229	99999999	0	0	02C	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19820101	19821031	0	0	00X	NR	C
19821101	19860101	78451	26284	00X	LN	C
19860102	19860613	0	0	00X	NR	C
19930226	99999999	78451	26284	01	LC	C
19880614	19930225	78451	26284	01C	LX	C
19930226	20090430	78451	26284	01C	LX	N
20090501	99999999	78451	26284	01C	LX	J
20090227	99999999	0	0	02	NR	J
19960229	99999999	0	0	02C	NR	J

**DRAGENICS INC (GVKEY 154605)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20030828	0	0	00X	NR	C
20030829	20040519	0	0	01	NU	P
20040520	99999999	90170	45180	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20030828	0	0	00X	NR	C
20030829	20040519	0	0	01	NR	P
20040520	20081218	90170	45180	01	LC	P
20081219	99999999	0	0	01	NR	P

**RHINO RESOURCE PARTNERS LP (GVKEY 174312)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20071231	0	0	00X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050401	20100929	0	0	00X	NR	C
20100930	99999999	12291	53506	01	LC	P

**VISTEON CORP (GVKEY 136648)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20000628	0	0	00X	NR	C
20000629	99999999	88319	37682	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20000628	0	0	00X	NR	C
20000629	20090305	88319	37682	01	LC	P
20090306	20100831	0	0	01	NR	P
20100901	20100929	0	0	01	NR	C
20100930	99999999	0	0	01	NR	N
20100930	99999999	0	0	02	NR	P

**XELR8 HOLDINGS INC (GVKEY 146564)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20011231	20050404	0	0	01	NU	P
20050405	99999999	90658	46554	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20011231	20050404	0	0	01	NR	P
20050405	20090306	90658	46554	01	LC	P
20090307	99999999	0	0	01	NR	P

SEPTEMBER EDITS**ANSELL LTD (GVKEY 14242)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860701	19861030	0	0	00X	NU	C
19861031	19870701	0	0	90	NU	P
19870702	20060630	11486	9319	90	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860701	19861030	0	0	00X	NR	C
19861031	20020429	0	0	90	NR	P
20020430	20060602	11486	9319	90	LC	P
20071031	99999999	0	0	91	NR	C

**ECLIPSYS CORP (GVKEY 113270)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980806	0	0	00X	NU	C
19980807	99999999	86323	16254	01	LU	P



NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980806	0	0	00X	NR	C
19980807	20100824	86323	16254	01	LC	P

**ECOPETROL SA (GVKEY 287882)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20080917	0	0	00X	NR	C
20080918	99999999	92793	53084	90	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20080917	0	0	00X	NR	C
20080918	99999999	92793	53084	90	LC	P
20100831	99999999	92793	53084	90C	LX	N

**INTERNATIONAL TOWER HILL MIN (GVKEY 107032)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20021231	20070802	0	0	01	NR	P
20070803	99999999	92248	52694	01	LC	P
19980430	20021230	0	0	01C	NR	C
20021231	20070802	0	0	01C	NR	N
20070803	99999999	92248	52694	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20021231	20070802	0	0	01	NR	P
20070803	20100831	92248	52694	01	LC	P
19980430	20021230	0	0	01C	NR	C
20021231	20070802	0	0	01C	NR	N
20070803	20100831	92248	52694	01C	LX	N

**INVENTIV HEALTH INC (GVKEY 124050)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19990927	0	0	00X	NR	C
19990928	99999999	87257	17137	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19990927	0	0	00X	NR	C
19990928	20100804	87257	17137	01	LC	P

**MEDIAMIND TECHNOLOGIES INC (GVKEY 179648)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20071231	0	0	00X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20100810	0	0	00X	NR	C
20100811	99999999	12081	53492	01	LC	P

**MESA INC (GVKEY 7276)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19640501	19660530	0	0	00X	NR	C
19660531	19670926	0	0	01	NR	P
19670927	19851230	45065	24796	01	LC	P
19851231	19970807	68566	21191	01	LC	P
19970808	19970930	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19640501	19660530	0	0	00X	NR	C
19660531	19670926	0	0	01	NR	C
19670927	19810130	0	0	01	NR	C
19810131	19851130	0	0	01	NR	N
19851201	19851230	0	0	01	NR	P
19851231	19970807	68566	21191	01	LC	P
19970808	19970930	0	0	01	NR	P

**METROGAS SA (GVKEY 31010)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19941116	0	0	00X	NU	C
19941117	20100630	81062	30522	90	LU	P
19991130	20001130	0	0	91	NU	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19941116	0	0	00X	NR	C
19941117	20100617	81062	30522	90	LC	P
20100618	99999999	0	0	90	NR	P
19991130	20001130	0	0	91	NR	N

**ODYSSEY HEALTHCARE INC (GVKEY 141847)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	20011030	0	0	00X	NU	C
20011031	99999999	89174	42269	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	20011030	0	0	00X	NR	C
20011031	20100817	89174	42269	01	LC	P

**OWENS CORNING (GVKEY 8214)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19520310	0	0	00X	NU	C
19520311	19620130	24811	21347	00X	LU	C
19620131	20021218	24811	21347	01	LU	P
20021219	20060930	0	0	01	NU	P
20061001	20061030	0	0	01	NU	C
20061031	20061031	0	0	01	NU	N
20061031	20061031	0	0	06	NU	P
20061101	99999999	91531	51337	06	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19520310	0	0	00X	NR	C
19520311	19620130	24811	21347	00X	LC	C
19620131	20021218	24811	21347	01	LC	P
20021219	20060930	0	0	01	NR	P
20061001	20061030	0	0	01	NR	C
20061031	20061031	0	0	01	NR	N
19931029	19941230	24811	21347	01C	LX	N
20061101	99999999	91531	51337	06	LC	P

**PIONEER CORP -OLD (GVKEY 8593)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19840130	0	0	00X	NR	C
19840131	19850930	48370	24999	01	LD	P
19851001	19860630	48370	24999	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19840130	0	0	00X	NR	C
19840131	19860630	48370	24999	01	LD	P

**PIONEER CORP-TEXAS (GVKEY 8592)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620130	0	0	00X	NR	C
19620131	19690519	0	0	01	NR	P
19690520	19840130	48370	24999	01	LC	P
19840131	19850930	48370	24999	01	LD	P
19851001	19851031	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620130	0	0	00X	NR	C
19620131	19690519	0	0	01	NR	P
19690520	19850930	48370	24999	01	LC	P

**SCHLUMBERGER LTD (GVKEY 9465)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19570101	19620130	14277	21576	00X	LU	C
19620131	99999999	14277	21576	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19570101	19620201	14277	21576	00X	LC	C
19620202	99999999	14277	21576	01	LC	P

**SMITH INTERNATIONAL INC (GVKEY 9772)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620530	0	0	00X	NU	C
19620531	19680225	0	0	01	NU	P
19680226	99999999	45794	21627	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620530	0	0	00X	NR	C
19620531	19680225	0	0	01	NR	P
19680226	20100827	45794	21627	01	LC	P

**STANLEY INC (GVKEY 174663)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20010401	20061017	0	0	00X	NR	C
20061018	99999999	91548	51339	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20010401	20061017	0	0	00X	NR	C
20061018	20100817	91548	51339	01	LC	P

AUGUST EDITS**GROUP EDITS**

Reviewed all IID and GVKEY pairs that have existing security data but did not have an entry in the linking history. Added link history and PERMNO links where needed. Project is 100% complete.

**ADPT CORP (GVKEY 12256)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850401	19860610	0	0	00X	NU	C
19860611	99999999	10353	8275	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850401	19860610	0	0	00X	NR	C
19860611	99999999	10353	8275	01	LC	P

**AMCO INDS INC (GVKEY 1373)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19650128	0	0	00X	NU	C
19650129	19751128	28935	23588	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620701	0	0	00X	NR	C
19620702	19650128	28935	23588	00X	LC	C
19650129	19751128	28935	23588	01	LC	P

**ATC HEALTHCARE INC -CL A (GVKEY 10439)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19811001	19831229	0	0	00X	NU	C
19831230	20080320	75433	6387	01	LU	P
20080321	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19811001	19831229	0	0	00X	NR	C
19831230	19990131	75433	6387	01	LC	P
19990201	20020318	0	0	01	NR	P
20020319	20080320	75433	6387	01	LC	P
20080321	99999999	0	0	01	NR	P

**ATLANTIC POWER CORP (GVKEY 162346)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20041129	0	0	00X	NU	C
20041130	20041130	0	0	01C	NU	C
20041201	99999999	0	0	01C	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20041129	0	0	00X	NR	C
20100723	99999999	10201	53455	01	LC	P
20041130	20041130	0	0	01C	NR	C
20041201	20100722	0	0	01C	NR	C
20100723	99999999	10201	53455	01C	LX	N

**CARDIS CORP (GVKEY 2756)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19791230	0	0	00X	NR	C
19791231	19840402	0	0	03	NR	C
19840403	19880520	68873	6961	03	LC	C
19880521	19911031	0	0	03	NR	C
19911101	19930129	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19791230	0	0	00X	NR	C
19810731	19840402	0	0	04	NR	P
19840403	19880520	68873	6961	04	LC	P
19911101	19930129	0	0	99X	NR	C

**CITADEL INDS INC (GVKEY 3059)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19660101	19700929	0	0	00X	NR	C
19700930	19721229	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19660101	19700929	0	0	00X	NR	C
19700930	19721213	0	0	01	NR	C
19721214	19721229	11287	921	01	LC	C

**CONTINENTAL BAKING CO (GVKEY 3454)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19631231	0	0	00X	NR	C
19640101	19670130	15819	22635	00X	LC	C
19670131	19671229	15819	22635	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19631231	15819	22635	00X	LN	C
19640101	19670130	15819	22635	00X	LC	C
19670131	19671229	15819	22635	01	LC	P

**CYBERDEFENDER CORP (GVKEY 178063)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070928	20100630	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20070927	0	0	00X	NR	C
20070928	20100608	0	0	01	NR	P
20100609	99999999	93430	53448	01	LC	P

**DIRECTV (GVKEY 12206)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19851113	0	0	00X	NR	C
19851114	20031222	68451	20799	01	LC	P
20031223	99999999	89954	44708	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19851128	0	0	00X	NR	C
19851129	19851230	0	0	01	NR	P
19851231	20031222	68451	20799	01	LC	P
20031223	99999999	89954	44708	01	LC	P

**DYNAMICS CORP OF AMER (GVKEY 4126)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19631230	0	0	00X	NU	C
19631231	19971031	31464	20613	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620701	0	0	00X	NR	C
19620702	19631230	31464	20613	00X	LC	C
19631231	19730424	31464	20613	01	LC	P
19730425	19750915	0	0	01	NR	P
19750916	19971016	31464	20613	01	LC	P



**EVERGREEN RESOURCE-OLD (GVKEY 004472)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810401	19811227	0	0	00X	NR	C
19811228	19880128	33647	5238	01	LC	P
19880129	19890331	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810401	19811227	0	0	00X	NR	C
19811228	19880128	33647	5238	01	LC	P
19880129	19890331	33647	5238	01	LD	P

**GREAT LAKES CHEMICAL CORP (GVKEY 5306)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19660130	0	0	00X	NU	C
19660131	20050729	32379	20845	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19620701	0	0	00X	NR	C
19620702	19660130	32379	20845	00X	LC	C
19660131	20050729	32379	20845	01	LC	P

**GSi GROUP INC (GVKEY 61356)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19950921	0	0	00X	NR	C
19990324	99999999	82261	13988	01	LC	P
19950922	19990323	82261	13988	01C	LX	C
19990324	20051130	82261	13988	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19950921	0	0	00X	NR	C
19990324	20091104	82261	13988	01	LC	P
20091105	99999999	0	0	01	NR	P
19950922	19990323	82261	13988	01C	LX	C
19990324	20051130	82261	13988	01C	LX	N

**JACKSONVILLE BANCORP INC/MD (GVKEY 31744)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19950420	0	0	00X	NU	C
19950421	99999999	81565	13685	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19950420	0	0	00X	NR	C
19950421	20100731	81565	13685	01	LC	P

**JUPITER INDUSTRIES (GVKEY 6298)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19680130	0	0	00X	NU	C
19680131	19851031	33275	23911	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620701	0	0	00X	NR	C
19620702	19680130	33275	23911	00X	LC	C
19680131	19851031	33275	23911	01	LC	P

**LANDMARK LAND CO (GVKEY 006581)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19680130	0	0	00X	NU	C
19680131	19911023	33646	21082	01	LU	C
19911024	99999999	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620701	0	0	00X	NR	C
19620702	19680130	33646	21082	00X	LC	C
19680131	19911023	33646	21082	01	LC	C
19911024	99999999	0	0	01	NR	C

**LEONARD REFINERIES INC (GVKEY 6671)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600401	19660130	0	0	00X	NU	C
19660131	19700930	28070	23516	01	LC	P
19701001	19710331	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600401	19610924	0	0	00X	NR	C
19610925	19660130	28070	23516	00X	LC	C
19660131	19700930	28070	23516	01	LC	P
19701003	19710331	0	0	99X	NR	C

**LORILLARD CORP (GVKEY 6810)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19670130	0	0	00X	NR	C
19670131	19671229	12896	22390	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19631231	12896	22390	00X	LN	C
19640101	19670130	12896	22390	00X	LC	C
19670131	19671229	12896	22390	01	LC	P

**NORTHWESTERN STL&WIRE (GVKEY 8003)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590801	19620130	0	0	00X	NU	C
19820129	19821231	27318	23469	01	LU	J
19830101	19880831	27318	23469	01	LU	P
19880901	19880930	27318	23469	01	LU	J
19880831	19880831	0	0	02	NR	J
19620131	19821231	0	0	04	NU	C
19830101	19880831	0	0	04	NU	N
19880901	19930531	0	0	04	NU	C
19930601	19930610	0	0	04	NU	P
19930611	19991217	79294	23469	04	LU	P
19991218	20070928	0	0	04	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590801	19600501	0	0	00X	NR	C
19600502	19620130	27318	23469	00X	LC	C
19880817	19880831	0	0	01	NR	P
19880901	19880930	0	0	01	NR	J
19880831	19880831	0	0	02	NR	J
19880831	19880831	0	0	04	NR	N
19880901	19930531	0	0	04	NR	C
19930601	19930610	0	0	04	NR	P
19930611	19991217	79294	23469	04	LC	P
19991218	20070928	0	0	04	NR	P

**ODYSSEY PICTURES CORP (GVKEY 15292)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840101	19870226	0	0	00X	NU	C
19890428	19900909	0	0	01	NU	P
19900910	19960501	76332	10751	01	LU	P
19960502	99999999	0	0	01	NU	P
19870227	19890427	0	0	02	NU	C
19890428	19960131	0	0	02	NU	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840101	19870226	0	0	00X	NR	C
19890428	19900909	0	0	01	NR	P
19900910	19960501	76332	10751	01	LC	P
19960502	99999999	0	0	01	NR	P
19870227	19890427	0	0	02	NR	C
19890428	19900909	0	0	02	NR	N
19900910	19941213	76333	10751	02	LC	N
19941214	19960131	0	0	02	NR	N

**PRECISION DRILLING CORP (GVKEY 20695)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19961115	20051104	84155	31116	01	LC	P
20051105	20051115	0	0	01	NR	P
20051116	99999999	90999	31116	01	LC	P
19880930	19961114	0	0	01C	NR	C
19961115	20051104	84155	31116	01C	LX	N
20051105	20051115	0	0	01C	NR	N
20051116	99999999	90999	31116	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19961115	20051106	84155	31116	01	LC	P
20051107	20051115	0	0	01	NR	P
20051116	99999999	90999	31116	01	LC	P
19880930	19961114	0	0	01C	NR	C
19961115	20051104	84155	31116	01C	LX	N
20051105	20051115	0	0	01C	NR	N
20051116	99999999	90999	31116	01C	LX	N

**QEP RESOURCES INC (GVKEY 154357)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20100615	0	0	00X	NR	C
20100616	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20100629	0	0	00X	NR	C
20100630	20100630	0	0	01	NR	P
20100701	99999999	93422	53439	01	LC	P

**RADIATION THERAPY SVCS INC (GVKEY 265008)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20040617	0	0	00X	NR	C
20040618	20080229	90237	45308	01	LU	P
20080301	20080331	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20040617	0	0	00X	NR	C
20040618	20080221	90237	45308	01	LC	P
20080222	20080331	0	0	99X	NR	C

**RIVIERA HOLDINGS CORP (GVKEY 31634)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19950730	0	0	00X	NU	C
19950731	19960512	0	0	01	NU	P
19960513	99999999	83458	31642	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19950730	0	0	00X	NR	C
19950731	19960512	0	0	01	NR	P
19960513	20090625	83458	31642	01	LC	P
20100627	99999999	0	0	01	NR	P

**SPECTRAVISION INC (GVKEY 9930)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790101	19790927	0	0	00X	NU	C
19820129	19890428	0	0	01	NU	N
19790928	19921213	0	0	02	NU	C
19921214	19950428	78790	26278	02	LU	C
19950429	20080331	0	0	02	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790101	19790926	0	0	00X	NR	C
19790927	19871008	72056	4210	01	LC	P
19921130	19921213	0	0	02	NR	C
19921214	19950428	78790	26278	02	LC	C
19950429	20090529	0	0	02	NR	C

**SPROTT PHYSICAL GOLD TRUST (GVKEY 184387)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100226	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100226	99999999	12034	53343	01	LS	P

**TECHNICAL COMMUNICATIONS CP (GVKEY 10364)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730901	19830915	0	0	00X	NU	C
19830916	20020920	74836	6389	01	LU	P
20020921	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730901	19830915	0	0	00X	NR	C
19830916	20020920	74836	6389	01	LC	P
20020921	20100713	0	0	01	NR	P
20100714	99999999	74836	6389	01	LC	P

**U S NATURAL RESOURCES INC (GVKEY 10962)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19680130	0	0	00X	NU	C
19680131	19771130	37671	24253	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620701	0	0	00X	NR	C
19620702	19680130	37671	24253	00X	LC	C
19680131	19771130	37671	24253	01	LC	P

**US AIRWAYS GROUP INC-OLD (GVKEY 10946)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490701	19650929	0	0	00X	NU	C
19650930	20020809	28847	21827	01	LC	P
20020810	20030331	0	0	01	NU	P
20030829	20031020	0	0	02	NR	P
20031021	20040921	91682	21827	02	LC	P
20040922	20050930	0	0	02	NU	P
20040930	20050930	0	0	03	NU	N
20051001	20051031	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490701	19620701	0	0	00X	NR	C
19620702	19650929	28847	21827	00X	LC	C
19650930	20020809	28847	21827	01	LC	P
20020810	20030331	0	0	01	NR	P
20030829	20031020	0	0	02	NR	P
20031021	20040921	91682	21827	02	LC	P
20040922	20050930	0	0	02	NR	P
20040930	20050930	0	0	03	NR	N
20051001	20051031	0	0	99X	NR	C

**VISHAY PRECISION GROUP INC (GVKEY 185138)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20100622	0	0	00X	NR	C
20100623	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20100629	0	0	00X	NR	C
20100630	20100706	0	0	01	NR	P
20100707	99999999	93426	53443	01	LC	P

**VOCALTEC COMMUNICATIONS LTD (GVKEY 165621)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20051128	99999999	90982	14348	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20051128	20100718	90982	14348	01	LC	P



**WESTINGHOUSE AIRBRAKE CO (GVKEY 011433)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19631231	0	0	00X	NR	C
19640101	19670130	15341	22600	00X	LC	C
19670131	19671229	15341	22600	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19631231	15341	22600	00X	LN	C
19640101	19670130	15341	22600	00X	LC	C
19670131	19671229	15341	22600	01	LC	P

**ZOO ENTERTAINMENT INC (GVKEY 176954)**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080131	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20080929	0	0	00X	NR	C
20080930	20100706	0	0	01	NR	P
20100707	99999999	12032	53479	01	LC	P