

CRSP/COMPUSTAT MERGED DATABASE RELEASE NOTES

FEBRUARY 2009 MONTHLY UPDATE

ABOUT THE FEBRUARY 2009 CRSP/COMPUSTAT MERGED DATABASE

This shipment includes two versions of the CRSP\CompuSTAT Merged Database:

- **CPZ200902** – the legacy CST format database
- **CMZ200902** – the new CCM format database using CompuSTAT's Xpressfeed delivery.

DATABASE DIFFERENCES BETWEEN CCM & CST

The following table summarizes general differences between the old CST legacy and new CCM databases.

Attribute	CCM Format Database (new)	CST Format Database
Source	CompuSTAT Xpressfeed	CompuSTAT Legacy
Volume Label	CMZyyyyymm	CPZyyyyymm
Size	6.2 Gb	2.4 Gb
Delivery Media	DVD	CD
CRSPAccess version	3.1 and higher – ts_print ccm_print	2.95, 2.97 – ts_print cst_print 3.1 and higher – ts_print_cst cst_print
CRSPSift Version (Windows only)	2.1 and higher – Standard, Professional, Enterprise versions	1.2, 2.0, 2.1 versions
SASECRSP Engine	Available in 2009	yes
C	Yes – CA3.1 and higher	yes
Fortran-95	Available 2009	yes
Number of Data Items	Over 4000 quarterly & annual data items	~ 1000 quarterly & annual data items

PROGRAMMERS

- C-programming is supported with all CRSPAccess versions. New C sample programs are included in CRSPAccess 3.1 for use with the Xpressfeed data.
- Fortran programs are not currently supported in CRSPAccess 3.1. Subscribers using Fortran to access CompuSTAT data should continue to use your current version of CRSPAccess along with the legacy CST formatted database. FORTRAN programming support will be available in a future release of CRSPAccess.
- SASECRSP users should also continue to use your current version of CRSPAccess along with the legacy CST formatted database. SASECRSP engine support for Xpressfeed data will be available in a future release of CRSPAccess.

PARAMETERS

Legacy CPZ 200902	
Number of CRSP Securities	24008
Number of GVKEYS	33909
Number of Links	63945
Database Size	2.41 GB

NEW CMZ 200902	
Total CompuSTAT Records	37881
Total GVKEY Companies	35683
Total GVKEYX Indexes	2198
Total GVKEY/IID Securities	41994
Total CRSP Securities Linked	24235
Total GVKEYs in Link	34798
Total Link Records	79892
Total Link Records with a Link to CRSP	28307
Database Size	6.31 GB



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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	19251231-20090213	1-22055
Monthly trading calendar	19251231-20121231	1-1057
Annual trading calendar	19251231-20091231	1-86
Quarterly trading calendar	19251231-20091231	1-341
Semi-Annual trading calendar	19251231-20091231	1-171
Weekly trading calendar	19260102-20090213	1-4337

NEW ITEMS IN CCM

The following data code items are new to the CCM database in the February data cut. Note that new Compustat data items or new keyset combinations of existing items have been routinely added to the CCM version of the database. These items are not available in the legacy CST version of the database.

NEW ITEM MNEMONIC	NEW ITEM NAME	KEYSET, TAG, DESCRIPTION
CSTKE_DC	Common Stock Equivalent – Dollar Savings Data Code	1, STD, Industrial Format, Consolidated Information, Standard Presentation
CSTKE_DC	Common Stock Equivalent – Dollar Savings Data Code	4, FS, Financial Services Format, Consolidated Information, Standard Presentation
CSTKE_DC	Common Stock Equivalent – Dollar Savings Data Code	44, BSTD, Bank Format, Consolidated Information, Standard Presentation
RDIPD_DC	In-Process R & D Expense Diluted EPS Effect Data Code	1, STD, Industrial Format, Consolidated Information, Standard Presentation

CCM LINK EDITS

Link edits are provided for the new CCM database as well as the legacy CST database. Because no security level edits exist in the legacy CST database, its link edits are a subset of the edits for the CCM database. Edits for the CST database begin on page 21.

CCM OVERLAPPING PERMNOS

Issues where there were overlapping LU or LC links for one PERMNO on one or more GVKEYs were reviewed. 84 GVKEY's link date or link end date was modified to resolve the conflict.

Reviewed all issues where the starting link date was earlier than the linked PERMNO's start date. For all cases the link date was changed to the PERMNO's start date and a new NU row was added to cover the rest of the compustat security's date range. 3,359 links were updated.

FEBRUARY 2009 CCM LINK HISTORY

AMERICAN ACCESS TECHNOLOGIES (GVKEY 65287)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19970828	0	0	00X	NR	C
19970829	20070531	86812	16473	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19970828	0	0	00X	NR	C
19970829	19990412	0	0	01	NR	P
19990413	20070531	86812	16473	01	LC	P

AMTECH RESOURCES INC (GVKEY 1624)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19770501	19810311	0	0	00X	NR	C
19810312	19831130	14155	4911	01	LC	C
19831201	19860106	14155	4911	01	LN	C
19860107	99999999	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19770501	19810311	0	0	00X	NR	C
19810331	19831231	14155	4911	01	LC	C
19840101	19860106	14155	4911	01	LN	C
19860107	99999999	0	0	01	NR	C

BANCO SANTANDER SA (GVKEY 14140)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19870729	0	0	00X	NU	C
19900731	20000531	0	0	02	NU	J
19870730	99999999	75152	20260	90	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19870729	0	0	00X	NR	C
19900731	20000531	0	0	02	NR	J
19870730	99999999	75152	20260	90	LC	P

BEAR STEARNS COMPANIES INC (GVKEY 11818)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840501	19851028	0	0	00X	NU	C
19851029	99999999	68304	20282	01	LU	P
19980430	20051230	0	0	06	NU	J
19980630	20051230	0	0	07	NU	J
19980731	20051230	0	0	10	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840501	19851028	0	0	00X	NR	C
19851029	20080530	68304	20282	01	LC	P

BIOSPECIFICS TECHNOLOGIES CP (GVKEY 24710)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900201	19911113	0	0	00X	NU	C
19911114	20040323	77208	11206	01	LU	P
20040324	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900201	19911113	0	0	00X	NR	C
19911114	20040323	77208	11206	01	LC	P
20040324	20090108	0	0	01	NR	P
20090109	99999999	77208	11206	01	LC	P

BLYTH INC (GVKEY 30219)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930201	19940517	0	0	00X	NU	C
19940518	99999999	80592	30401	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930201	19940517	0	0	00X	NR	C
19940518	99999999	80592	30401	01	LC	P

CIRCA PHARMACEUTICALS INC (GVKEY 2293)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750101	19750130	64178	602	00X	LU	C
19750131	19770907	0	0	01	NU	P
19770908	19950731	64178	602	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750101	19750130	0	0	00X	NR	C
19750131	19770907	0	0	01	NR	P
19770908	19950717	64178	602	01	LC	P

COMET ENTERTAINMENT INC (GVKEY 11711)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840701	19840911	86837	7220	00X	LU	C
19840912	19900629	86837	7220	01	LU	P
19900630	19920930	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840701	19840927	0	0	00X	NR	C
19840928	19900531	86837	7220	01	LC	P
19900601	19900629	0	0	01	NR	P
19900630	19920930	0	0	99X	NR	C

COMSYS IT PARTNERS INC (GVKEY 161994)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20041028	0	0	00X	NU	C
20041029	99999999	82238	30950	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20040930	0	0	00X	NR	C
20041001	99999999	82238	30950	01	LC	P

CONCORD CAMERA CORP (GVKEY 14808)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860701	19880711	0	0	00X	NU	C
19880712	99999999	11998	9856	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860701	19880711	0	0	00X	NR	C
19880712	99999999	11998	9856	01	LC	P

CONTINENTAL AIRLINES INC-OLD (GVKEY 3452)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19610508	0	0	00X	NR	C
19610509	19630530	64928	25735	00X	LC	C
19630531	19821028	27895	23504	01	LC	C
19830419	19870131	64928	25735	01	LC	C
19870207	19930331	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19610508	0	0	00X	NR	C
19610509	19630530	27895	23504	00X	LN	C
19630531	19821028	27895	23504	01	LC	C
19821029	19830418	0	0	01	NR	C
19830419	19870130	64928	25735	01	LC	C
19870131	19870730	64928	25735	99X	LN	C
19870731	19930331	0	0	99X	NR	C

CRAWFORD & CO (GVKEY 3581)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19680101	19681128	0	0	00X	NR	C
19900731	19900731	0	0	02	NR	J
19900801	19901231	76274	1100	02	LC	J
19910101	20040531	76274	1100	02	LC	P
20040601	99999999	76274	1100	02	LC	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19680101	19681128	0	0	00X	NR	C
19681129	19721213	0	0	01	NR	P
19721214	19940430	27618	1100	01	LC	P
19940501	20040630	27618	1100	01	LC	J
20040701	99999999	27618	1100	01	LC	P
19900731	19900731	0	0	02	NR	J
19900801	19940430	76274	1100	02	LC	J
19940501	20040630	76274	1100	02	LC	P
20040701	99999999	76274	1100	02	LC	J

DIVERSIFIED COMMUNICATIONS (GVKEY 8900)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790101	19800629	62375	3869	00X	LU	C
19800630	19950331	62375	3869	01	LU	C
19950401	20080331	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790101	19800629	0	0	00X	NR	C
19800630	19950331	62375	3869	01	LC	C
19950401	20080331	0	0	01	NR	C

DNB FINANCIAL CORP (GVKEY 30082)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940429	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940429	20090120	0	0	01	NR	P
20090121	99999999	92873	53114	01	LC	P

ELECTRIC CAR CO OF AMERICA (GVKEY 4257)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19800529	31932	3340	00X	LU	C
19800530	19800629	0	0	01	NU	P
19800630	19820430	31932	3340	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19800529	0	0	00X	NR	C
19800530	19800629	0	0	01	NR	P
19800630	19820426	31932	3340	01	LC	P

ENERGYSOUTH INC (GVKEY 66404)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19961001	19980226	0	0	00X	NU	C
19980227	20081031	54624	2794	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19961001	19980202	0	0	00X	NR	C
19980203	20081001	54624	2794	01	LC	P

EQT CORP (GVKEY 4430)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	24328	20662	00X	LU	C
19620131	99999999	24328	20662	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	24328	20662	00X	LN	C
19620131	99999999	24328	20662	01	LC	P

EXX INC -CL A (GVKEY 9319)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19680101	19680130	60708	4069	00X	LU	C
19820129	19941031	0	0	01	NU	J
19941031	19941107	0	0	02	NU	J
19941108	99999999	81029	30485	02	LU	J
19680131	19941107	0	0	03	NU	C
19941108	99999999	81028	30485	03	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19680101	19721213	0	0	00X	NR	C
19721214	19820128	60708	4069	00X	LN	C
19820129	19941021	60708	4069	01	LC	J
19941031	19941107	0	0	02	NR	J
19941108	20081224	81029	30485	02	LC	J
20081225	99999999	0	0	02	NR	J
19680131	19941107	0	0	03	NR	C
19941108	20081224	81028	30485	03	LC	C
20081225	99999999	0	0	03	NR	C

FINANCIAL MORTGAGE & REALTY (GVKEY 4658)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750106	19781229	78669	4647	00X	LN	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750101	19781229	0	0	00X	NU	C

FIRST BOSTON INC (GVKEY 4684)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620628	0	0	00X	NU	C
19620629	19821231	64952	1650	01	LU	C
19830101	19830430	64952	1650	01	LU	N
19830501	19881222	64952	1650	01	LU	C
19881223	19890228	0	0	01	NU	C
19820129	19821231	0	0	02	NU	J
19830101	19830430	0	0	02	NU	P
19830501	19830531	0	0	02	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620628	0	0	00X	NR	C
19830531	19881222	64952	1650	01	LC	C
19881223	19890228	0	0	01	NR	C

FOSTER WHEELER AG (GVKEY 4864)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18112	20757	00X	LU	C
19620131	99999999	18112	20757	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18112	20757	00X	LN	C
19620131	20030113	18112	20757	01	LC	P
20030114	20050602	0	0	01	NR	P
20050603	99999999	18112	20757	01	LC	P

FREDERICKS OF HOLLYWOOD GRP (GVKEY 179342)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030801	20080130	0	0	00X	NU	C
20080131	99999999	48020	21563	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030801	20080128	0	0	00X	NR	C
20080129	99999999	48020	21563	01	LC	P

FREQUENCY ELECTRONICS INC (GVKEY 4900)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750501	19800617	62228	1686	00X	LU	C
19800618	99999999	62228	1686	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750501	19800629	0	0	00X	NR	C
19800630	99999999	62228	1686	01	LC	P

GOTTSCHALKS INC (GVKEY 12122)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19860417	0	0	00X	NU	C
19860418	99999999	69411	20837	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19860417	0	0	00X	NR	C
19860418	20081024	69411	20837	01	LC	P
20081025	99999999	0	0	01	NR	P

HARTMARX CORP (GVKEY 5505)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491201	19620130	22250	20885	00X	LU	C
19620131	99999999	22250	20885	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491201	19620130	22250	20885	00X	LN	C
19620131	20081125	22250	20885	01	LC	P
20081126	99999999	0	0	01	NR	P

HUTTIG BUILDING PRODUCTS INC (GVKEY 5792)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19810129	0	0	00X	NU	C
19810130	99999999	87464	36557	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19810129	0	0	00X	NR	C
19810130	19991216	0	0	01	NR	C
19991217	20081202	87464	36557	01	LC	C
20081203	99999999	0	0	01	NR	C

INTERTECHNOLOGY SOLAR CORP (GVKEY 6149)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730301	19780330	45664	24838	00X	LN	C
19780331	19810129	0	0	00X	NR	C
19810130	19821231	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730301	19770411	0	0	00X	NR	C
19770412	19780330	45664	24838	00X	LN	C
19780331	19810129	0	0	00X	NR	C
19810130	19821231	0	0	01	NR	P

ISHARES BARCLY AGGREGATE BD (GVKEY 156520)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940228	20030831	89848	37493	01	LU	C
20030901	99999999	89848	37493	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940228	20030831	0	0	01	NR	C
20030901	20030925	0	0	01	NR	P
20030926	99999999	89848	37493	01	LS	P

JAYS INDUSTRIES INC (GVKEY 6236)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19720701	19750410	46376	2437	00X	LN	C
19750411	19810129	0	0	00X	NR	C
19810130	19811130	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19720701	19721213	0	0	00X	NR	C
19721214	19750410	46376	2437	00X	LN	C
19750411	19810129	0	0	00X	NR	C
19810130	19811130	0	0	01	NR	P

JOHNSON & JOHNSON (GVKEY 6266)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	22111	21018	00X	LU	C
19620131	99999999	22111	21018	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	22111	21018	00X	LN	C
19620131	99999999	22111	21018	01	LC	P

LEISURE GROUP INC (GVKEY 6663)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731101	19771130	49155	2637	00X	LN	C
19771201	19810129	0	0	00X	NR	C
19810130	20000131	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731101	19760105	0	0	00X	NR	C
19760106	19771130	49155	2637	00X	LN	C
19771201	19810129	0	0	00X	NR	C
19810130	20000131	0	0	01	NR	C

LIFESTYLE COS INC (GVKEY 6724)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19721001	19730618	49542	25072	00X	LN	C
19730619	19810129	0	0	00X	NR	C
19810130	19810130	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19721001	19721213	0	0	00X	NR	C
19721214	19730618	49542	25072	00X	LN	C
19730619	19810129	0	0	00X	NR	C
19810130	19810130	0	0	01	NR	P

LIQUIDONICS INDUSTRIES INC (GVKEY 6759)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730701	19760620	0	0	00X	NU	C
19760621	19780129	49841	2675	00X	LU	C
19780130	19781002	49841	2675	99X	LU	C
19781003	19790629	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730701	19771231	0	0	00X	NR	C
19780101	19781002	49841	2675	00X	LN	C
19781003	19790629	0	0	99X	NR	C

MARINE PROTEIN CORP (GVKEY 7035)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19720701	19741118	51538	3019	00X	LN	C
19741119	19770630	0	0	00X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19720701	19721213	0	0	00X	NR	C
19721214	19741118	51538	3019	00X	LN	C
19741119	19770630	0	0	00X	NR	C

MED-EMERG INTERNATIONAL INC (GVKEY 66445)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980216	0	0	00X	NU	C
19980217	20010620	85833	15965	01	LU	P
20010621	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980216	0	0	00X	NR	C
19980217	20010620	85833	15965	01	LC	P
20010621	99999999	0	0	01	NR	P
20090130	99999999	0	0	01C	NR	N

MENTOR CORP (GVKEY 7250)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740401	19770906	0	0	00X	NU	C
19770907	99999999	52792	2983	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740401	19770906	0	0	00X	NR	C
19770907	20090123	52792	2983	01	LC	P

MERRILL LYNCH & CO INC. (GVKEY 7267)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19700101	19710629	0	0	00X	NR	C
19710630	20081231	52919	21190	01	LU	P
19980430	19981030	0	0	21	NU	J
19980430	19980731	0	0	22	NU	J
19990730	20060831	0	0	38	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19700101	19710629	0	0	00X	NR	C
19710630	19710726	0	0	01	NR	P
19710727	20081231	52919	21190	01	LC	P
19980430	19981030	0	0	21	NR	J
19980430	19980731	0	0	22	NR	J
19990730	20060831	0	0	38	NR	J

METROPOLITAN HLTH NTRKS INC (GVKEY 64404)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950701	19970225	84546	15349	00X	LU	C
19970226	99999999	84546	15349	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950701	19970225	0	0	00X	NR	C
19970226	19990520	84546	15349	01	LC	P
19990521	20041121	0	0	01	NR	P
20041122	99999999	84546	15349	01	LC	P

MULTICOM CORP (GVKEY 7608)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750101	19810129	0	0	00X	NU	C
19810130	19811231	39985	6457	01	LU	P
19820101	19820930	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19750101	19810129	0	0	00X	NR	C
19810130	19811231	0	0	01	NR	P
19820101	19820930	0	0	99X	NR	C

NATIONAL CITY CORP (GVKEY 7711)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620130	0	0	00X	NR	C
19620131	19730430	0	0	01	NU	P
19730501	20081231	56232	3157	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620130	0	0	00X	NR	C
19620131	19730430	0	0	01	NR	P
19730501	20081231	56232	3157	01	LC	P

OAK VALLEY BANCORP (GVKEY 66158)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980130	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980130	20090114	0	0	01	NR	P
20090115	99999999	92878	53116	01	LC	P

PACALTA RESOURCES LTD (GVKEY 26402)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980519	19990520	86081	16118	01	LC	P
19990521	19990630	0	0	01	NR	P
19880930	19980518	0	0	01C	NR	C
19980519	19990520	86081	16118	01C	LX	N
19990521	19990630	0	0	01C	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980529	19990520	86081	16118	01	LC	P
19990521	19990630	0	0	01	NR	P
19880930	19980518	0	0	01C	NR	C
19980519	19980525	0	0	01C	NU	C
19980526	19980528	86081	16118	01C	LX	C
19980529	19990520	86081	16118	01C	LX	N
19990521	19990630	0	0	01C	NR	N

PETROMINERALS CORP-OLD (GVKEY 8520)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19741230	0	0	00X	NU	C
19741231	19781229	62405	6966	00X	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19780712	0	0	00X	NR	C
19780713	19781229	62405	6966	00X	LN	C

PITTSTON CO-MINERALS GROUP (GVKEY 28591)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19930729	0	0	00X	NU	C
19930730	20000131	79540	21414	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19930729	0	0	00X	NR	C
19930730	19930805	0	0	01	NR	P
19930806	20000113	79540	21414	01	LC	P

PNC FINANCIAL SVCS GROUP INC (GVKEY 8245)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620130	0	0	00X	NR	C
19620131	19721213	0	0	01	NR	P
19721214	19830119	63192	3583	01	LC	P
19830120	99999999	60442	3685	01	LC	P
19980430	20060131	0	0	03	NR	J
19980430	20060131	0	0	04	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620130	0	0	00X	NR	C
19620131	19721213	0	0	01	NR	P
19721214	19830119	63192	3583	01	LC	P
19830120	99999999	60442	3685	01	LC	P
19980430	20060131	0	0	03	NR	J
19980430	20060131	0	0	04	NR	J
20081231	99999999	0	0	09	NR	J

RMR ASIA PACIFIC REAL EST FD (GVKEY 174360)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20060525	91235	50702	00X	LC	C
20060526	99999999	91235	50702	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20060525	0	0	00X	NR	C
20060526	99999999	91235	50702	01	LC	P

SOVEREIGN BANCORP INC (GVKEY 17130)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860812	99999999	10562	8470	01	LC	P
20011231	20011231	0	0	04	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860812	20090129	10562	8470	01	LC	P
20011231	20011231	0	0	04	NR	J

TARRAGON CORP (GVKEY 3407)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731201	19771229	0	0	00X	NU	C
19771230	99999999	26535	806	02	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731201	19771229	0	0	00X	NR	C
19771230	19781231	26535	806	02	LN	P
19790101	99999999	26535	806	02	LC	P

UST INC (GVKEY 10974)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	15077	21796	00X	LU	C
19620131	99999999	15077	21796	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	15077	21796	00X	LN	C
19620131	99999999	15077	21796	01	LC	P

VANZETTI SYSTEMS INC (GVKEY 11109)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19821001	19830602	80267	6036	00X	LU	C
19830603	19920228	80267	6036	01	LU	P
19920229	19930331	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19821001	19830602	0	0	00X	NR	C
19830603	19920212	80267	6036	01	LC	P
19920213	19930331	0	0	99X	NR	C

VIRTUS INVESTMENT PTNRS INC (GVKEY 25030)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19920312	0	0	00X	NR	C
19920313	19951101	77457	29452	01	LC	C
19951102	20010111	82648	31204	01	LC	C
20010112	99999999	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19920312	0	0	00X	NR	C
19920313	19951101	77457	29452	01	LC	C
19951102	20010111	82648	31204	01	LC	C
20010112	20090101	0	0	01	NR	C
20090102	99999999	92871	53113	01	LC	C

WACHOVIA CORP (GVKEY 4739)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19630101	19631230	0	0	00X	NR	C
19631231	20081231	36469	1869	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19630101	19631230	0	0	00X	NR	C
19631231	19721213	0	0	01	NR	C
19721214	20081231	36469	1869	01	LC	C

WISDOMTREE DRYF JAPANESE YEN (GVKEY 180099)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080530	99999999	92676	50852	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080514	99999999	92676	50852	01	LS	P

XXIS CORP (GVKEY 127674)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20000119	0	0	00X	NU	C
20000120	20000130	87567	17657	00X	LU	C
20000131	20010607	87567	17657	01	LU	C
20010608	99999999	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20000130	0	0	00X	NR	C
20000131	20010607	87567	17657	01	LC	C
20010608	99999999	0	0	01	NR	C

CST LINK HISTORY

AMERICAN ACCESS TECHNOLOGIES (GVKEY 65287)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	19970828	0	0	NR	XXX
19970829	20070531	86812	16473	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	19970828	0	0	NR	XXX
19970829	19990412	0	0	NR	XXX
19990413	20070531	86812	16473	LC	BBB

AMTECH RESOURCES INC (GVKEY 1624)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19770501	19810311	0	0	NR	XXX
19810312	19831130	14155	4911	LC	BBB
19831201	19860106	14155	4911	LN	BBB
19860107	99999999	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19770501	19810311	0	0	NR	XXX
19810331	19831231	14155	4911	LC	BBB
19840101	19860106	14155	4911	LN	BBB
19860107	99999999	0	0	NR	XXX

BANCO SANTANDER SA (GVKEY 14140)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860101	19870729	0	0	NU	XXX
19870730	99999999	75152	20260	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860101	19870729	0	0	NR	XXX
19870730	99999999	75152	20260	LC	BBB

BEAR STEARNS COMPANIES INC (GVKEY 11818)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19840501	19851028	0	0	NU	XXX
19851029	99999999	68304	20282	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19840501	19851028	0	0	NR	XXX
19851029	20080530	68304	20282	LC	BBB

BIOSPECIFICS TECHNOLOGIES CP (GVKEY 24710)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19900201	19911113	0	0	NU	XXX
19911114	20040323	77208	11206	LU	BBB
20040324	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19900201	19911113	0	0	NR	XXX
19911114	20040323	77208	11206	LC	BBB
20040324	20090108	0	0	NR	XXX
20090109	99999999	77208	11206	LC	BBB

BLYTH INC (GVKEY 30219)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930201	19940517	0	0	NU	XXX
19940518	99999999	80592	30401	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930201	19940517	0	0	NR	XXX
19940518	99999999	80592	30401	LC	BBB

CIRCA PHARMACEUTICALS INC (GVKEY 2293)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750101	19750130	64178	602	LU	BBB
19750131	19770907	0	0	NU	XXX
19770908	19950731	64178	602	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750101	19750130	0	0	NR	XXX
19750131	19770907	0	0	NR	XXX
19770908	19950717	64178	602	LC	BBB

COMET ENTERTAINMENT INC (GVKEY 11711)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19840701	19840911	86837	7220	LU	BBB
19840912	19900629	86837	7220	LU	BBB
19900630	19920930	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19840701	19840927	0	0	NR	XXX
19840928	19900531	86837	7220	LC	BBB
19900601	19900629	0	0	NR	XXX
19900630	19920930	0	0	NR	XXX

COMSYS IT PARTNERS INC (GVKEY 161994)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000101	20041028	0	0	NU	XXX
20041029	99999999	82238	30950	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000101	20040930	0	0	NR	XXX
20041001	99999999	82238	30950	LC	BBB

CONCORD CAMERA CORP (GVKEY 14808)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860701	19880711	0	0	NU	XXX
19880712	99999999	11998	9856	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860701	19880711	0	0	NR	XXX
19880712	99999999	11998	9856	LC	BBB

CONTINENTAL AIRLINES INC-OLD (GVKEY 3452)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19610508	0	0	NR	XXX
19610509	19630530	64928	25735	LC	BBB
19630531	19821028	27895	23504	LC	BBB
19830419	19870131	64928	25735	LC	BBB
19870207	19930331	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19610508	0	0	NR	XXX
19610509	19630530	27895	23504	LN	BBB
19630531	19821028	27895	23504	LC	BBB
19821029	19830418	0	0	NR	XXX
19830419	19870130	64928	25735	LC	BBB
19870131	19870730	64928	25735	LN	BBB
19870731	19930331	0	0	NR	XXX

CRAWFORD & CO (GVKEY 3581)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19680101	19681128	0	0	NR	XXX
19910101	20040531	76274	1100	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19680101	19681128	0	0	NR	XXX
19681129	19721213	0	0	NR	XXX
19721214	19940430	27618	1100	LC	BBB
20040701	99999999	27618	1100	LC	BBB
19940501	20040630	76274	1100	LC	BBB

DIVERSIFIED COMMUNICATIONS (GVKEY 8900)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19790101	19800629	62375	3869	LU	BBB
19800630	19950331	62375	3869	LU	BBB
19950401	20080331	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19790101	19800629	0	0	NR	XXX
19800630	19950331	62375	3869	LC	BBB
19950401	20080331	0	0	NR	XXX

DNB FINANCIAL CORP (GVKEY 30082)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940429	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940429	20090120	0	0	NR	XXX
20090121	99999999	92873	53114	LC	BBB

ELECTRIC CAR CO OF AMERICA (GVKEY 4257)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	19800529	31932	3340	LU	BBB
19800530	19800629	0	0	NU	XXX
19800630	19820430	31932	3340	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	19800529	0	0	NR	XXX
19800530	19800629	0	0	NR	XXX
19800630	19820426	31932	3340	LC	BBB

ENERGYSOUTH INC (GVKEY 66404)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19961001	19980226	0	0	NU	XXX
19980227	20081031	54624	2794	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19961001	19980202	0	0	NR	XXX
19980203	20081001	54624	2794	LC	BBB

EQT CORP (GVKEY 4430)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19510101	19620130	24328	20662	LU	BBB
19620131	99999999	24328	20662	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19510101	19620130	24328	20662	LN	BBB
19620131	99999999	24328	20662	LC	BBB

EXX INC -CL A (GVKEY 9319)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19680101	19680130	60708	4069	LU	BBB
19680131	19941107	0	0	NU	XXX
19941108	99999999	81028	30485	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19680101	19721213	0	0	NR	XXX
19721214	19820128	60708	4069	LN	BBB
19680131	19941107	0	0	NR	XXX
19941108	20081224	81028	30485	LC	BBB
20081225	99999999	0	0	NR	XXX

FINANCIAL MORTGAGE & REALTY (GVKEY 4658)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750106	19781229	78669	4647	LN	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750101	19781229	0	0	NU	XXX

FIRST BOSTON INC (GVKEY 4684)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19620101	19620628	0	0	NU	XXX
19620629	19821231	64952	1650	LU	BBB
19830501	19881222	64952	1650	LU	BBB
19881223	19890228	0	0	NU	XXX
19830101	19830430	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19620101	19620628	0	0	NR	XXX
19830531	19881222	64952	1650	LC	BBB
19881223	19890228	0	0	NR	XXX

FOSTER WHEELER AG (GVKEY 4864)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	18112	20757	LU	BBB
19620131	99999999	18112	20757	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	18112	20757	LN	BBB
19620131	20030113	18112	20757	LC	BBB
20030114	20050602	0	0	NR	XXX
20050603	99999999	18112	20757	LC	BBB

FREDERICKS OF HOLLYWOOD GRP (GVKEY 179342)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20030801	20080130	0	0	NU	XXX
20080131	99999999	48020	21563	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20030801	20080128	0	0	NR	XXX
20080129	99999999	48020	21563	LC	BBB

FREQUENCY ELECTRONICS INC (GVKEY 4900)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750501	19800617	62228	1686	LU	BBB
19800618	99999999	62228	1686	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750501	19800629	0	0	NR	XXX
19800630	99999999	62228	1686	LC	BBB

GOTTSCHALKS INC (GVKEY 12122)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850201	19860417	0	0	NU	XXX
19860418	99999999	69411	20837	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850201	19860417	0	0	NR	XXX
19860418	20081024	69411	20837	LC	BBB
20081025	99999999	0	0	NR	XXX

HARTMARX CORP (GVKEY 5505)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19491201	19620130	22250	20885	LU	BBB
19620131	99999999	22250	20885	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19491201	19620130	22250	20885	LN	BBB
19620131	20081125	22250	20885	LC	BBB
20081126	99999999	0	0	NR	XXX

HUTTIG BUILDING PRODUCTS INC (GVKEY 5792)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	19810129	0	0	NU	XXX
19810130	99999999	87464	36557	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	19810129	0	0	NR	XXX
19810130	19991216	0	0	NR	XXX
19991217	20081202	87464	36557	LC	BBB
20081203	99999999	0	0	NR	XXX

INTERTECHNOLOGY SOLAR CORP (GVKEY 6149)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730301	19780330	45664	24838	LN	BBB
19780331	19810129	0	0	NR	XXX
19810130	19821231	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730301	19770411	0	0	NR	XXX
19770412	19780330	45664	24838	LN	BBB
19780331	19810129	0	0	NR	XXX
19810130	19821231	0	0	NR	XXX

ISHARES BARCLY AGGREGATE BD (GVKEY 156520)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940228	20030831	89848	37493	LU	BBB
20030901	99999999	89848	37493	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940228	20030831	0	0	NR	XXX
20030901	20030925	0	0	NR	XXX
20030926	99999999	89848	37493	LS	BBB

JAYS INDUSTRIES INC (GVKEY 6236)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19720701	19750410	46376	2437	LN	BBB
19750411	19810129	0	0	NR	XXX
19810130	19811130	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19720701	19721213	0	0	NR	XXX
19721214	19750410	46376	2437	LN	BBB
19750411	19810129	0	0	NR	XXX
19810130	19811130	0	0	NR	XXX

JOHNSON & JOHNSON (GVKEY 6266)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	22111	21018	LU	BBB
19620131	99999999	22111	21018	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	22111	21018	LN	BBB
19620131	99999999	22111	21018	LC	BBB

LEISURE GROUP INC (GVKEY 6663)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19731101	19771130	49155	2637	LN	BBB
19771201	19810129	0	0	NR	XXX
19810130	20000131	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19731101	19760105	0	0	NR	XXX
19760106	19771130	49155	2637	LN	BBB
19771201	19810129	0	0	NR	XXX
19810130	20000131	0	0	NR	XXX

LIFESTYLE COS INC (GVKEY 6724)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19721001	19730618	49542	25072	LN	BBB
19730619	19810129	0	0	NR	XXX
19810130	19810130	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19721001	19721213	0	0	NR	XXX

19721214	19730618	49542	25072	LN	BBB
19730619	19810129	0	0	NR	XXX
19810130	19810130	0	0	NR	XXX

LIQUIDONICS INDUSTRIES INC (GVKEY 6759)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730701	19760620	0	0	NU	XXX
19760621	19780129	49841	2675	LU	BBB
19780130	19781002	49841	2675	LU	BBB
19781003	19790629	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730701	19771231	0	0	NR	XXX
19780101	19781002	49841	2675	LN	BBB
19781003	19790629	0	0	NR	XXX

MARINE PROTEIN CORP (GVKEY 7035)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19720701	19741118	51538	3019	LN	BBB
19741119	19770630	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19720701	19721213	0	0	NR	XXX
19721214	19741118	51538	3019	LN	BBB
19741119	19770630	0	0	NR	XXX

MED-EMERG INTERNATIONAL INC (GVKEY 66445)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19980216	0	0	NU	XXX
19980217	20010620	85833	15965	LU	BBB
20010621	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19980216	0	0	NR	XXX
19980217	20010620	85833	15965	LC	BBB
20010621	99999999	0	0	NR	XXX

MENTOR CORP (GVKEY 7250)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19740401	19770906	0	0	NU	XXX
19770907	99999999	52792	2983	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19740401	19770906	0	0	NR	XXX
19770907	20090123	52792	2983	LC	BBB

MERRILL LYNCH & CO INC. (GVKEY 7267)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19700101	19710629	0	0	NR	XXX
19710630	20081231	52919	21190	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19700101	19710629	0	0	NR	XXX
19710630	19710726	0	0	NR	XXX
19710727	20081231	52919	21190	LC	BBB

METROPOLITAN HLTH NTRKS INC (GVKEY 64404)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950701	19970225	84546	15349	LU	BBB
19970226	99999999	84546	15349	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950701	19970225	0	0	NR	XXX
19970226	19990520	84546	15349	LC	BBB
19990521	20041121	0	0	NR	XXX
20041122	99999999	84546	15349	LC	BBB

MULTICOM CORP (GVKEY 7608)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750101	19810129	0	0	NU	XXX
19810130	19811231	39985	6457	LU	BBB
19820101	19820930	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19750101	19810129	0	0	NR	XXX
19810130	19811231	0	0	NR	XXX
19820101	19820930	0	0	NR	XXX

NATIONAL CITY CORP (GVKEY 7711)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19580101	19620130	0	0	NR	XXX
19620131	19730430	0	0	NU	XXX
19730501	20081231	56232	3157	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19580101	19620130	0	0	NR	XXX
19620131	19730430	0	0	NR	XXX
19730501	20081231	56232	3157	LC	BBB

OAK VALLEY BANCORP (GVKEY 66158)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980130	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980130	20090114	0	0	NR	XXX
20090115	99999999	92878	53116	LC	BBB

PACALTA RESOURCES LTD (GVKEY 26402)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980519	19990520	86081	16118	LC	BBB
19990521	19990630	0	0	NR	XXX
19880930	19980518	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980529	19990520	86081	16118	LC	BBB
19990521	19990630	0	0	NR	XXX
19880930	19980518	0	0	NR	XXX
19980519	19980525	0	0	NU	XXX
19980526	19980528	86081	16118	LX	BBB

PETROMINERALS CORP-OLD (GVKEY 8520)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19740101	19741230	0	0	NU	XXX
19741231	19781229	62405	6966	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19740101	19780712	0	0	NR	XXX
19780713	19781229	62405	6966	LN	BBB

PITTSTON CO-MINERALS GROUP (GVKEY 28591)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19930729	0	0	NU	XXX
19930730	20000131	79540	21414	LS	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19930729	0	0	NR	XXX
19930730	19930805	0	0	NR	XXX
19930806	20000113	79540	21414	LC	BBB

PNC FINANCIAL SVCS GROUP INC (GVKEY 8245)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19580101	19620130	0	0	NR	XXX
19620131	19721213	0	0	NR	XXX
19721214	19830119	63192	3583	LC	BBB
19830120	99999999	60442	3685	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19580101	19620130	0	0	NR	XXX
19620131	19721213	0	0	NR	XXX
19721214	19830119	63192	3583	LC	BBB
19830120	99999999	60442	3685	LC	BBB

RMR ASIA PACIFIC REAL EST FD (GVKEY 174360)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20060101	20060525	91235	50702	LC	BBB
20060526	99999999	91235	50702	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20060101	20060525	0	0	NR	XXX
20060526	99999999	91235	50702	LC	BBB

SOVEREIGN BANCORP INC (GVKEY 17130)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860812	99999999	10562	8470	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860812	20090129	10562	8470	LC	BBB

TARRAGON CORP (GVKEY 3407)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19731201	19771229	0	0	NU	XXX
19771230	99999999	26535	806	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19731201	19771229	0	0	NR	XXX
19771230	19781231	26535	806	LN	BBB
19790101	99999999	26535	806	LC	BBB

UST INC (GVKEY 10974)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	15077	21796	LU	BBB
19620131	99999999	15077	21796	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	15077	21796	LN	BBB
19620131	99999999	15077	21796	LC	BBB

VANZETTI SYSTEMS INC (GVKEY 11109)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19821001	19830602	80267	6036	LU	BBB
19830603	19920228	80267	6036	LU	BBB
19920229	19930331	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19821001	19830602	0	0	NR	XXX
19830603	19920212	80267	6036	LC	BBB
19920213	19930331	0	0	NR	XXX

VIRTUS INVESTMENT PTNRS INC (GVKEY 25030)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19920312	0	0	NR	XXX
19920313	19951101	77457	29452	LC	BBB
19951102	20010111	82648	31204	LC	BBB
20010112	99999999	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19920312	0	0	NR	XXX
19920313	19951101	77457	29452	LC	BBB
19951102	20010111	82648	31204	LC	BBB
20010112	20090101	0	0	NR	XXX
20090102	99999999	92871	53113	LC	BBB

WACHOVIA CORP (GVKEY 4739)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19630101	19631230	0	0	NR	XXX
19631231	20081231	36469	1869	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19630101	19631230	0	0	NR	XXX
19631231	19721213	0	0	NR	XXX
19721214	20081231	36469	1869	LC	BBB

WISDOMTREE DRYF JAPANESE YEN (GVKEY 180099)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20080530	99999999	92676	50852	LS	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20080514	99999999	92676	50852	LS	BBB

XXIS CORP (GVKEY 127674)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980101	20000119	0	0	NU	XXX
20000120	20000130	87567	17657	LU	BBB
20000131	20010607	87567	17657	LU	BBB
20010608	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980101	20000130	0	0	NR	XXX
20000131	20010607	87567	17657	LC	BBB
20010608	99999999	0	0	NR	XXX