

ABOUT THE SEPTEMBER 2009 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is September 13, 2009.

This shipment includes two versions of the CRSP/Compustat Merged Database:

- CPZ200909 – the legacy CST format database
- CMZ200909 – the new CCM format database using Compustat’s Xpressfeed delivery.

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

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	<i>Compustat Xpressfeed</i>	<i>Compustat Legacy</i>
Volume Label	CMZyyyyymm	CPZyyyyymm
Size	6.2 Gb	2.4 Gb
Delivery Media	DVD	DVD
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 200909	
Number of CRSP Securities	24097
Number of GVKEYS	34198
Number of Links	64308
Database Size	2.46 GB

NEW CMZ 200909	
Total Compustat Records	38541
Total GVKEY Companies	36343
Total GVKEYX Indexes	2198
Total GVKEY/IID Securities	42688
Total CRSP Securities Linked	24323
Total GVKEYs in Link	35234
Total Link Records	80573
Total Link Records with a Link to CRSP	28419
Database Size	6.31 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	19251231-20090911	1-22200
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	19260102-20090911	1-4367

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 17.

40/86 STRATEGIC INCOME FUND (GVKEY 112773)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970701	19980727	0	0	00X	NU	C
19980728	99999999	86221	34826	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970701	19980727	0	0	00X	NR	C
19980728	99999999	86221	34826	01	LC	P

ACCENTURE LTD (GVKEY 143357)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970901	20010718	0	0	00X	NU	C
20010719	99999999	89071	41871	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970901	20010718	0	0	00X	NR	C
20010719	99999999	89071	41871	01	LC	P

ACCESSITY CORP (GVKEY 21598)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19960130	0	0	00X	NR	C
19960131	19980610	0	0	01	NR	P
19980611	20050331	86165	16147	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19960130	0	0	00X	NR	C
19960131	19980610	0	0	01	NR	P
19980611	20050323	86165	16147	01	LC	P

ALLSCRIPTS HEALTHCARE SOLTNS (GVKEY 122255)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19990722	0	0	00X	NR	C
19990723	20081031	87078	16666	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19990722	0	0	00X	NR	C
19990723	20081012	87078	16666	01	LC	P

ALTA ENERGY CORP (GVKEY 20063)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19890130	0	0	00X	NR	C
19890131	19890917	12125	5180	01	LD	P
19890918	19940517	12125	5180	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19940517	12125	5180	01	LC	P

ALTAIR CORP-PUERTO RICO (GVKEY 1342)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19760801	19770127	0	0	00X	NR	C
19770128	19800130	12160	3	00X	LN	C
19800131	19821014	12160	3	01	LC	C
19821015	19830729	0	0	01	NR	C
19830730	19840831	12160	3	01	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19760801	19800130	0	0	00X	NR	C
19800131	19821014	12160	3	01	LC	C
19821015	19840831	0	0	01	NR	C

ALTRIA GROUP INC (GVKEY 8543)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	13901	21398	00X	LN	C
19620131	99999999	13901	21398	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	13901	21398	00X	LC	C
19620131	99999999	13901	21398	01	LC	P

ARDEN GROUP INC -CL A (GVKEY 1728)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19780130	14868	332	00X	LC	C
19780131	99999999	14868	332	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	99999999	14868	332	01	LC	P

ARDEN-MAYFAIR INC (GVKEY 1730)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620130	0	0	00X	NR	C
19620131	19721213	0	0	01	NR	C
19721214	19781130	14868	332	01	LD	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620130	0	0	00X	NR	C
19620131	19721213	0	0	01	NR	C
19721214	19771231	14868	332	01	LC	C
19780101	19781130	14868	332	01	LD	C

BCE INC (GVKEY 2137)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19691218	0	0	00X	NR	C
19691219	19710128	0	0	00X	NR	C
19710129	19760817	0	0	01	NR	P
19760818	99999999	29647	20245	01	LC	P
19820129	99999999	29647	20245	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19620701	0	0	00X	NR	C
19620702	19691218	29647	20245	00X	LN	C
19691219	19710128	0	0	00X	NR	C
19710129	19760817	0	0	01	NR	P
19760818	99999999	29647	20245	01	LC	P
19820129	99999999	29647	20245	01C	LX	N

BELL CANADA (GVKEY 002141)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730131	19760817	0	0	01	NR	P
19760818	19830429	29647	20245	01	LD	P
19830430	20090130	29647	20245	99X	LN	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730131	19760817	0	0	01	NR	P
19760818	19830429	29647	20245	01	LD	P
19830430	20090130	0	0	99X	NR	C

BELLWETHER EXPLORATION-OLD (GVKEY 2147)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19801218	0	0	00X	NR	C
19801219	19871130	17559	487	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19801218	0	0	00X	NR	C
19801219	19831218	17559	487	01	LC	P
19831219	19871130	17559	487	01	LD	P

BMA CORP (GVKEY 2514)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590101	19620130	0	0	00X	NR	C
19620131	19770228	0	0	01	NR	P
19770301	19900130	19968	569	01	LC	P
19900131	19910628	19968	569	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590101	19620130	0	0	00X	NR	C
19620131	19770228	0	0	01	NR	P
19770301	19891231	19968	569	01	LC	P
19900101	19910628	19968	569	01	LD	P

BRIGHT HORIZONS FAMILY SOLUT (GVKEY 65275)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19970812	0	0	00X	NU	C
19970813	19980724	85276	15651	01	LC	P
19980725	20080528	85531	15812	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19970812	0	0	00X	NR	C
19970813	19980724	85276	15651	01	LC	P
19980725	19980726	0	0	01	NR	P
19980727	20080528	85531	15812	01	LC	P

BRINKS CO (GVKEY 28590)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18649	21414	00X	LD	C
19620131	19930726	18649	21414	01	LD	P
19930727	99999999	18649	21414	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18649	21414	00X	LC	C
19620131	99999999	18649	21414	01	LC	P

CARIBBEAN FINANCE INC (GVKEY 2767)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730801	19770126	0	0	00X	NR	C
19770127	19790130	12160	3	00X	LN	C
19790131	19800130	12160	3	01	LC	P
19800131	19801231	12160	3	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730801	19770126	0	0	00X	NR	C
19770127	19790130	12160	3	00X	LC	C
19790131	19800130	12160	3	01	LC	P
19800131	19801231	12160	3	01	LD	P

COOPER INDUSTRIES LTD (GVKEY 3497)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	21979	20517	00X	LU	C
19620131	99999999	21979	20517	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	21979	20517	00X	LN	C
19620131	99999999	21979	20517	01	LC	P

CROWN ANDERSEN INC (GVKEY 1642)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731001	19790130	0	0	00X	NU	C
19790131	19850402	0	0	01	NU	P
19850403	20041028	87119	7484	01	LU	P
20041029	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731001	19790130	0	0	00X	NR	C
19790131	19850402	0	0	01	NR	P
19850403	19860731	87119	7484	01	LD	P
19860801	20041028	87119	7484	01	LC	P
20041029	99999999	0	0	01	NR	P

CROWN ROTATIONAL MOLD PRODS (GVKEY 3626)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19791001	19850402	0	0	00X	NR	C
19850403	19860731	87119	7484	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19791001	19850402	0	0	00X	NR	C
19850403	19860731	87119	7484	01	LC	P

DAYTON POWER & LIGHT INC (GVKEY 12612)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	22859	20549	00X	LC	C
19620131	19860101	22859	20549	01	LD	P
19860102	99999999	22859	20549	99X	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	22859	20549	00X	LN	C
19620131	19860101	22859	20549	01	LD	P
19860102	99999999	22859	20549	99X	LN	C

DIGITAL TRANSERVICE CORP-OLD (GVKEY 12170)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19850505	0	0	00X	NU	C
19850506	19850530	87282	7530	00X	LU	C
19850531	19860130	87282	7530	01	LU	P
19860131	19860731	87282	7530	01	LU	P
19860801	19870529	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19850505	0	0	00X	NR	C
19850506	19860130	87282	7530	01	LC	P
19860131	19870529	87282	7530	01	LD	P

EASCO CORP-NEW (GVKEY 14570)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830101	19860627	18251	22839	00X	LD	C
19860628	19880929	0	0	00X	NR	C
19880930	19880930	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830101	19860627	0	0	00X	NR	C
19860628	19880929	0	0	00X	NR	C
19880930	19880930	0	0	01	NR	P

FIRST AMERICAN CORP/CA (GVKEY 12796)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19800130	35124	1629	00X	LC	C
19800131	19831130	35124	1629	01	LC	P
19831230	19920924	35124	1629	01	LD	J
19891121	19920924	75868	1629	02	LC	J
19831230	99999999	35124	1629	03	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19800130	35124	1629	00X	LC	C
19800131	19831130	35124	1629	01	LC	P
19831201	19831229	35124	1629	01	LC	J
19831230	19920924	35124	1629	01	LD	J
19891121	19920924	75868	1629	02	LC	J
19831230	99999999	35124	1629	03	LC	P

GATX CORP (GVKEY 4941)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19501229	0	0	00X	NR	C
19501230	19620130	12036	20773	00X	LN	C
19620131	99999999	12036	20773	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	12036	20773	00X	LC	C
19620131	99999999	12036	20773	01	LC	P

GATX RAIL CORP (GVKEY 12345)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	20010221	0	0	00X	NR	C
20010222	20010731	12036	20773	00X	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	20010731	0	0	00X	NR	C

HANOVER CAPITAL MTG HOLDINGS (GVKEY 65526)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19970929	0	0	00X	NU	C
19970930	19980319	0	0	01	NU	P
19980320	20090430	85909	32075	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19970929	0	0	00X	NR	C
19970930	19980319	0	0	01	NR	P
19980320	20090419	85909	32075	01	LC	P

HELIOS ADVANTAGE INCM FD INC (GVKEY 162276)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040401	20041028	0	0	00X	NU	C
20041029	20041031	0	0	01	NU	C
20041101	20041108	0	0	01	NU	P
20041109	99999999	90445	45872	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040401	20041028	0	0	00X	NR	C
20041029	20041031	0	0	01	NR	C
20041101	20041108	0	0	01	NR	P
20041109	99999999	90445	45872	01	LC	P

HIGHVELD STEEL & VANADIUM (GVKEY 102412)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19820129	99999999	41930	5142	90	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19820129	99999999	41930	5142	90	LC	P

IBASIS INC (GVKEY 179459)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20071030	0	0	00X	NU	C
20071031	99999999	87392	17324	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20071008	0	0	00X	NR	C
20071009	99999999	87392	17324	01	LC	P

IBASIS INC-OLD (GVKEY 126297)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19991109	0	0	00X	NR	C
19991110	19991129	87392	17324	00X	LC	C
19991130	20021113	87392	17324	01	LC	P
20021114	20060620	0	0	01	NR	P
20060621	20070928	87392	17324	01	LC	P
20070929	20080131	87392	17324	99X	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19991109	0	0	00X	NR	C
19991110	20021113	87392	17324	01	LC	P
20021114	20060620	0	0	01	NR	P
20060621	20070930	87392	17324	01	LC	P
20071009	20080131	0	0	99X	NR	C

ICO GLBAL COMM HLDGS LTD/DE (GVKEY 136306)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000630	99999999	86270	16245	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000630	20060912	0	0	01	NR	C
20060913	99999999	86270	16245	01	LC	C

ICO GLOBAL COMM HOLDINGS (GVKEY 112904)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19980730	0	0	00X	NU	C
19980731	20000531	86270	16245	01	LU	C
20000601	20000831	86270	16245	99X	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19980730	0	0	00X	NR	C
19980731	19990829	86270	16245	01	LC	C
19990830	20000531	0	0	01	NR	C
20000601	20000831	0	0	99X	NR	C

KAISERTECH LTD (GVKEY 6318)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19510513	0	0	00X	NR	C
19510514	19620130	24635	23285	00X	LC	C
19620131	19881028	24635	23285	01	LC	P
19881029	19881130	0	0	01	NR	P
19881201	19890929	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19510513	0	0	00X	NR	C
19510514	19620130	24635	23285	00X	LN	C
19620131	19881028	24635	23285	01	LC	P
19881029	19881130	0	0	01	NR	P
19881201	19890929	0	0	99X	NR	C

METEOR INDUSTRIES INC (GVKEY 29600)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19950730	0	0	00X	NR	C
19950731	19970604	0	0	01	NU	P
19970605	20010629	85068	32005	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19950730	0	0	00X	NR	C
19950731	19970604	0	0	01	NR	P
19970605	19991231	85068	32005	01	LC	P
20000101	20010629	85068	32005	01	LD	P

MICROLYTICS INC (GVKEY 23123)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860401	19860730	0	0	00X	NR	C
19860731	19870915	0	0	01	NR	C
19870916	19910930	11680	9504	01	LD	C
19911001	19980529	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860401	19860730	0	0	00X	NR	C
19860731	19870915	0	0	01	NR	C
19870916	19910930	11680	9504	01	LC	C
19911001	19980529	0	0	01	NR	C

NOVEN PHARMACEUTICALS INC (GVKEY 14918)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870101	19881102	0	0	00X	NU	C
19881103	99999999	12236	10000	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870101	19881102	0	0	00X	NR	C
19881103	20090827	12236	10000	01	LC	P

ORBIT GAS CO -OLD (GVKEY 8175)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19770501	19831229	0	0	00X	NR	C
19831230	19870202	0	0	01	NR	P
19870203	19920331	11059	8929	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19770501	19831229	0	0	00X	NR	C
19831230	19870202	0	0	01	NR	P
19870203	19910130	11059	8929	01	LC	P
19910131	19920331	11059	8929	01	LD	P

ORCO INC (GVKEY 025188)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870501	19910130	0	0	00X	NR	C
19910131	19920331	11059	8929	01	LD	C
19920401	19940310	11059	8929	01	LC	C
19940311	19940729	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870501	19910130	0	0	00X	NR	C
19910131	19940310	11059	8929	01	LC	C
19940311	19940729	0	0	01	NR	C

PETRO-CANADA (GVKEY 15150)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900101	19910829	0	0	00X	NR	C
19950913	99999999	82232	29667	01	LC	P
19910830	19950912	0	0	01C	NU	C
19950913	99999999	82232	29667	01C	LX	N
19960229	20010531	0	0	02	NU	N
19950929	20010531	0	0	02C	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900101	19910829	0	0	00X	NR	C
19950913	20090731	82232	29667	01	LC	P
19910830	19950912	0	0	01C	NR	C
19950913	20090731	82232	29667	01C	LX	N
20090801	99999999	0	0	01C	NR	C
19960229	20010531	0	0	02	NR	N
19950929	20010531	0	0	02C	NR	J

PITTSSTON CO-CONSOLIDATED (GVKEY 8617)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18649	21414	00X	LC	C
19620131	19930726	18649	21414	01	LC	P
19930731	20000229	18649	21414	99X	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18649	21414	00X	LD	C
19620131	19930726	18649	21414	01	LD	P
19930727	20000131	0	0	01	NR	P
20000201	20000229	0	0	99X	NR	C

PRIDE INTERNATIONAL INC (GVKEY 14908)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860901	19880830	0	0	00X	NU	C
19880831	19880905	0	0	01	NU	P
19880906	99999999	12074	9921	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860901	19880830	0	0	00X	NR	C
19880831	19880905	0	0	01	NR	P
19880906	99999999	12074	9921	01	LC	P

SELECTRONICS INC-OLD (GVKEY 13833)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830401	19870915	0	0	00X	NR	C
19870916	19900131	11680	9504	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830401	19870915	0	0	00X	NR	C
19870916	19900131	11680	9504	01	LD	P

UNB CORP/OH (GVKEY 19694)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19940330	0	0	00X	NR	C
19940331	19990914	0	0	01	NU	P
19990915	20020328	87218	33717	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19940330	0	0	00X	NR	C
19940331	19990914	0	0	01	NR	P
19990915	20020307	87218	33717	01	LC	P

WITS BASIN PRECIOUS MINERALS (GVKEY 143441)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20010430	0	0	00X	NU	C
20010501	20010530	85068	32005	00X	LU	C
20010531	20030326	85068	32005	01	LU	P
20030327	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20010430	85068	32005	00X	LC	C
20010501	20030326	85068	32005	01	LC	P
20030327	99999999	0	0	01	NR	P

YUBA WESTGOLD INC (GVKEY 23585)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19831230	19920511	85009	5044	01	LU	C
19920512	99999999	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19831230	19890912	85009	5044	01	LC	C
19890913	19910428	0	0	01	NR	C
19910429	19920511	85009	5044	01	LC	C
19920512	99999999	0	0	01	NR	C

YUBA WESTGOLD INC OLD -CL A (GVKEY 11633)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730701	19790101	0	0	00X	NU	C
19790102	19790130	85009	5044	00X	LU	C
19790131	19800821	85009	5044	01	LU	C
19800822	19801002	0	0	01	NU	C
19801003	19801202	85009	5044	01	LU	C
19801203	19821031	0	0	01	NU	C
19821101	19860202	85009	5044	01	LU	C
19860203	19860302	0	0	01	NU	C
19860303	19881230	85009	5044	01	LU	C
19881231	19901130	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730701	19790101	0	0	00X	NR	C
19790102	19800821	85009	5044	01	LC	C
19800822	19801002	0	0	01	NR	C
19801003	19801202	85009	5044	01	LC	C
19801203	19821031	0	0	01	NR	C
19821101	19831229	85009	5044	01	LD	C
19831230	19890912	85009	5044	01	LC	C
19890913	19901130	0	0	01	NR	C

CST LINK HISTORY

40/86 STRATEGIC INCOME FUND (GVKEY 112773)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970701	19980727	0	0	NU	XXX
19980728	99999999	86221	34826	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970701	19980727	0	0	NR	XXX
19980728	99999999	86221	34826	LC	BBB

ACCENTURE LTD (GVKEY 143357)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970901	20010718	0	0	NU	XXX
20010719	99999999	89071	41871	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970901	20010718	0	0	NR	XXX
20010719	99999999	89071	41871	LC	BBB

ACCESSITY CORP (GVKEY 21598)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19980610	0	0	NR	XXX
19980611	20050331	86165	16147	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19980610	0	0	NR	XXX
19980611	20050323	86165	16147	LC	BBB

ALLSCRIPTS HEALTHCARE SOLTNS (GVKEY 122255)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19990722	0	0	NR	XXX
19990723	20081031	87078	16666	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19990722	0	0	NR	XXX
19990723	20081012	87078	16666	LC	BBB

ALTA ENERGY CORP (GVKEY 20063)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19890130	0	0	NR	XXX
19890131	19890917	12125	5180	LD	BBB
19890918	19940517	12125	5180	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19940517	12125	5180	LC	BBB

ALTAIR CORP-PUERTO RICO (GVKEY 1342)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19760801	19770127	0	0	NR	XXX
19770128	19800130	12160	3	LN	BBB
19800131	19821014	12160	3	LC	BBB
19821015	19830729	0	0	NR	XXX
19830730	19840831	12160	3	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19760801	19800130	0	0	NR	XXX
19800131	19821014	12160	3	LC	BBB
19821015	19840831	0	0	NR	XXX

ALTRIA GROUP INC (GVKEY 8543)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	13901	21398	LN	BBB
19620131	99999999	13901	21398	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	99999999	13901	21398	LC	BBB

ARDEN GROUP INC -CL A (GVKEY 1728)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	99999999	14868	332	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	99999999	14868	332	LC	BBB

ARDEN-MAYFAIR INC (GVKEY 1730)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19620101	19721213	0	0	NR	XXX
19721214	19781130	14868	332	LD	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19620101	19721213	0	0	NR	XXX
19721214	19771231	14868	332	LC	BBB
19780101	19781130	14868	332	LD	BBB

BCE INC (GVKEY 2137)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19600101	19760817	0	0	NR	XXX
19760818	99999999	29647	20245	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19600101	19620701	0	0	NR	XXX
19620702	19691218	29647	20245	LN	BBB
19691219	19760817	0	0	NR	XXX
19760818	99999999	29647	20245	LC	BBB

BELL CANADA (GVKEY 002141)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730131	19760817	0	0	NR	XXX
19760818	19830429	29647	20245	LD	BBB
19830430	20090130	29647	20245	LN	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730131	19760817	0	0	NR	XXX
19760818	19830429	29647	20245	LD	BBB
19830430	20090130	0	0	NR	XXX

BELLWETHER EXPLORATION-OLD (GVKEY 2147)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	19801218	0	0	NR	XXX
19801219	19871130	17559	487	LD	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19780101	19801218	0	0	NR	XXX
19801219	19831218	17559	487	LC	BBB
19831219	19871130	17559	487	LD	BBB

BMA CORP (GVKEY 2514)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19590101	19770228	0	0	NR	XXX
19770301	19900130	19968	569	LC	BBB
19900131	19910628	19968	569	LD	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19590101	19770228	0	0	NR	XXX
19770301	19891231	19968	569	LC	BBB
19900101	19910628	19968	569	LD	BBB

BRIGHT HORIZONS FAMILY SOLUT (GVKEY 65275)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19970812	0	0	NU	XXX
19970813	19980724	85276	15651	LC	BBB
19980725	20080528	85531	15812	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19970812	0	0	NR	XXX
19970813	19980724	85276	15651	LC	BBB
19980725	19980726	0	0	NR	XXX
19980727	20080528	85531	15812	LC	BBB

BRINKS CO (GVKEY 28590)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19930726	18649	21414	LD	BBB
19930727	99999999	18649	21414	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	99999999	18649	21414	LC	BBB

CARIBBEAN FINANCE INC (GVKEY 2767)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730801	19770126	0	0	NR	XXX
19770127	19790130	12160	3	LN	BBB
19790131	19800130	12160	3	LC	BBB
19800131	19801231	12160	3	LD	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730801	19770126	0	0	NR	XXX
19770127	19800130	12160	3	LC	BBB
19800131	19801231	12160	3	LD	BBB

COOPER INDUSTRIES LTD (GVKEY 3497)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	99999999	21979	20517	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19620130	21979	20517	LN	BBB
19620131	99999999	21979	20517	LC	BBB

CROWN ANDERSEN INC (GVKEY 1642)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19731001	19850402	0	0	NU	XXX
19850403	20041028	87119	7484	LU	BBB
20041029	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19731001	19850402	0	0	NR	XXX
19850403	19860731	87119	7484	LD	BBB
19860801	20041028	87119	7484	LC	BBB
20041029	99999999	0	0	NR	XXX

CROWN ROTATIONAL MOLD PRODS (GVKEY 3626)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19791001	19850402	0	0	NR	XXX
19850403	19860731	87119	7484	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19791001	19850402	0	0	NR	XXX
19850403	19860731	87119	7484	LC	BBB

DAYTON POWER & LIGHT INC (GVKEY 12612)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19510101	19620130	22859	20549	LC	BBB
19620131	19860101	22859	20549	LD	BBB
19860102	99999999	22859	20549	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19510101	19620130	22859	20549	LN	BBB
19620131	19860101	22859	20549	LD	BBB
19860102	99999999	22859	20549	LN	BBB

DIGITAL TRANSERVICE CORP-OLD (GVKEY 12170)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850201	19850505	0	0	NU	XXX
19850506	19860731	87282	7530	LU	BBB
19860801	19870529	0	0	NU	XXX

NEW:

LINKDT LINKENDDT PERMNO PERMCO LINKTYPE LINKFLAG

19850201	19850505	0	0	NR	XXX
19850506	19860130	87282	7530	LC	BBB
19860131	19870529	87282	7530	LD	BBB

EASCO CORP-NEW (GVKEY 14570)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830101	19860627	18251	22839	LD	BBB
19860628	19880930	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830101	19880930	0	0	NR	XXX

FIRST AMERICAN CORP/CA (GVKEY 12796)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800101	99999999	35124	1629	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800101	99999999	35124	1629	LC	BBB

GATX CORP (GVKEY 4941)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19501229	0	0	NR	XXX
19501230	19620130	12036	20773	LN	BBB
19620131	99999999	12036	20773	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	99999999	12036	20773	LC	BBB

GATX RAIL CORP (GVKEY 12345)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850101	20010221	0	0	NR	XXX
20010222	20010731	12036	20773	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850101	20010731	0	0	NR	XXX

HANOVER CAPITAL MTG HOLDINGS (GVKEY 65526)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	19980319	0	0	NU	XXX
19980320	20090430	85909	32075	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	19980319	0	0	NR	XXX
19980320	20090419	85909	32075	LC	BBB

HELIOS ADVANTAGE INCM FD INC (GVKEY 162276)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20040401	20041108	0	0	NU	XXX
20041109	99999999	90445	45872	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20040401	20041108	0	0	NR	XXX
20041109	99999999	90445	45872	LC	BBB

HIGHVELD STEEL & VANADIUM (GVKEY 102412)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19820129	99999999	41930	5142	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19820129	99999999	41930	5142	LC	BBB

IBASIS INC (GVKEY 179459)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20030101	20071030	0	0	NU	XXX
20071031	99999999	87392	17324	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20030101	20071008	0	0	NR	XXX
20071009	99999999	87392	17324	LC	BBB

IBASIS INC-OLD (GVKEY 126297)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	19991109	0	0	NR	XXX
19991110	20021113	87392	17324	LC	BBB
20021114	20060620	0	0	NR	XXX
20060621	20080131	87392	17324	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	19991109	0	0	NR	XXX
19991110	20021113	87392	17324	LC	BBB
20021114	20060620	0	0	NR	XXX
20060621	20070930	87392	17324	LC	BBB
20071009	20080131	0	0	NR	XXX

ICO GLBAL COMM HLDGS LTD/DE (GVKEY 136306)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000630	99999999	86270	16245	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000630	20060912	0	0	NR	XXX
20060913	99999999	86270	16245	LC	BBB

ICO GLOBAL COMM HOLDINGS (GVKEY 112904)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19980730	0	0	NU	XXX
19980731	20000831	86270	16245	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19980730	0	0	NR	XXX
19980731	19990829	86270	16245	LC	BBB
19990830	20000831	0	0	NR	XXX

KAISERTECH LTD (GVKEY 6318)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19510513	0	0	NR	XXX
19510514	19881028	24635	23285	LC	BBB
19881029	19890929	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19510513	0	0	NR	XXX
19510514	19620130	24635	23285	LN	BBB
19620131	19881028	24635	23285	LC	BBB
19881029	19890929	0	0	NR	XXX

METEOR INDUSTRIES INC (GVKEY 29600)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19950730	0	0	NR	XXX
19950731	19970604	0	0	NU	XXX
19970605	20010629	85068	32005	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19970604	0	0	NR	XXX
19970605	19991231	85068	32005	LC	BBB
20000101	20010629	85068	32005	LD	BBB

MICROLYTICS INC (GVKEY 23123)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860401	19870915	0	0	NR	XXX
19870916	19910930	11680	9504	LD	BBB
19911001	19980529	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860401	19870915	0	0	NR	XXX
19870916	19910930	11680	9504	LC	BBB
19911001	19980529	0	0	NR	XXX

NOVEN PHARMACEUTICALS INC (GVKEY 14918)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19870101	19881102	0	0	NU	XXX
19881103	99999999	12236	10000	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19870101	19881102	0	0	NR	XXX
19881103	20090827	12236	10000	LC	BBB

ORBIT GAS CO -OLD (GVKEY 8175)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19770501	19870202	0	0	NR	XXX
19870203	19920331	11059	8929	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19770501	19870202	0	0	NR	XXX
19870203	19910130	11059	8929	LC	BBB
19910131	19920331	11059	8929	LD	BBB

ORCO INC (GVKEY 025188)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19870501	19910130	0	0	NR	XXX
19910131	19920331	11059	8929	LD	BBB
19920401	19940310	11059	8929	LC	BBB
19940311	19940729	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19870501	19910130	0	0	NR	XXX
19910131	19940310	11059	8929	LC	BBB
19940311	19940729	0	0	NR	XXX

PETRO-CANADA (GVKEY 15150)

OLD:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19900101	19910829	0	0	NR	XXX
19950913	99999999	82232	29667	LC	BBB
19910830	19950912	0	0	NU	XXX

NEW:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19900101	19910829	0	0	NR	XXX
19950913	20090731	82232	29667	LC	BBB
19910830	99999999	0	0	NR	XXX

PITTSTON CO-CONSOLIDATED (GVKEY 8617)

OLD:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	20000229	18649	21414	LC	BBB

NEW:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19930726	18649	21414	LD	BBB
19930727	20000229	0	0	NR	XXX

PRIDE INTERNATIONAL INC (GVKEY 14908)

OLD:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860901	19880905	0	0	NU	XXX
19880906	99999999	12074	9921	LU	BBB

NEW:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860901	19880905	0	0	NR	XXX
19880906	99999999	12074	9921	LC	BBB

SELECTIONS INC-OLD (GVKEY 13833)

OLD:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830401	19870915	0	0	NR	XXX
19870916	19900131	11680	9504	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830401	19870915	0	0	NR	XXX
19870916	19900131	11680	9504	LD	BBB

UNB CORP/OH (GVKEY 19694)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940101	19940330	0	0	NR	XXX
19940331	19990914	0	0	NU	XXX
19990915	20020328	87218	33717	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940101	19990914	0	0	NR	XXX
19990915	20020307	87218	33717	LC	BBB

WITS BASIN PRECIOUS MINERALS (GVKEY 143441)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000101	20010430	0	0	NU	XXX
20010501	20030326	85068	32005	LU	BBB
20030327	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000101	20030326	85068	32005	LC	BBB
20030327	99999999	0	0	NR	XXX

YUBA WESTGOLD INC (GVKEY 23585)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19831230	19920511	85009	5044	LU	BBB
19920512	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19831230	19890912	85009	5044	LC	BBB
19890913	19910428	0	0	NR	XXX
19910429	19920511	85009	5044	LC	BBB
19920512	99999999	0	0	NR	XXX

YUBA WESTGOLD INC OLD -CL A (GVKEY 11633)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730701	19790101	0	0	NU	XXX
19790102	19800821	85009	5044	LU	BBB
19800822	19801002	0	0	NU	XXX
19801003	19801202	85009	5044	LU	BBB
19801203	19821031	0	0	NU	XXX
19821101	19860202	85009	5044	LU	BBB
19860203	19860302	0	0	NU	XXX
19860303	19881230	85009	5044	LU	BBB
19881231	19901130	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730701	19790101	0	0	NR	XXX
19790102	19800821	85009	5044	LC	BBB
19800822	19801002	0	0	NR	XXX
19801003	19801202	85009	5044	LC	BBB
19801203	19821031	0	0	NR	XXX
19821101	19831229	85009	5044	LD	BBB
19831230	19890912	85009	5044	LC	BBB
19890913	19901130	0	0	NR	XXX