

CRSP/COMPUSTAT RELEASE NOTES

JULY 2021 ANNUAL UPDATE

CRSP/COMPUSTAT SAS, ASCII, AND R FILES

These files are intended for use with the CRSP SAS and ASCII stock files and Compustat data files that contain GVKEYs and IIDs.

While a full subscription is required for either, for convenience and efficiency for some users, two packages are available:

- CFZ – Complete set of all files
- CLZ – Link package - a subset of the full CRSP/Compustat SAS, ASCII and R data files. The set consists only of files used for linking the CRSP and Compustat data. These files are intended for use with the CRSP SAS, ASCII and R stock files and Compustat data files that contain GVKEYs and IIDs.

These files are covered in existing CCM license agreements. To request them for download through CRSP's MOVEit site, please email support@crsp.org or call 312-263-6400, Option 2.

ABOUT THE JULY 2021 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is 20210710.

CALENDARS

The CCM database utilizes the CRSP stock calendars to align properly with CRSP data. Data in the CRSP daily Stock (and Indexes) 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	19251231-20210709	1-25176
MONTHLY TRADING CALENDAR	19251231-20251231	1-1201
ANNUAL TRADING CALENDAR	19251231-20221230	1-98
QUARTERLY TRADING CALENDAR	19251231-20221230	1-389
SEMI-ANNUAL TRADING CALENDAR	19251231-20221230	1-195
WEEKLY TRADING CALENDAR	19260102-20210709	1-4984

DATABASE CHARACTERISTICS

The following table summarizes general characteristics of the CCM database:

ATTRIBUTE	CCM FORMAT DATABASE
SOURCE	COMPUSTAT XPRESSFEED
VOLUME LABELS	CMZ20210709 - CRSPACCESS CFZ20210709 - SAS/ASCII/R CLZ20210709 (LINK ONLY) - SAS/ASCII/R
DELIVERY	MOVEIT CLOUD
CRSPACCESS VERSION	3.22 AND HIGHER – TS_PRINT CCM_PRINT
CRSPSIFT VERSION (WINDOWS ONLY)	YES – ALL CURRENTLY SUPPORTED VERSIONS
SASEXCCM ENGINE	VERSION 9.4
C	YES – CA3.22 AND HIGHER
NUMBER OF DATA ITEMS	OVER 4,000 QUARTERLY & ANNUAL DATA ITEMS

DATABASE PARAMETERS

TOTAL COMPUSTAT RECORDS	52,532
TOTAL GVKEY COMPANIES	50,334
TOTAL GVKEYX INDEXES	2,198
TOTAL GVKEY/IID SECURITIES	66,269
TOTAL CRSP SECURITIES LINKED	31,699
TOTAL GVKEYS IN LINK	50,284
TOTAL LINK RECORDS	110,926
TOTAL LINK RECORDS WITH A LINK TO CRSP	36,865

DB SIZE:

CMZ	11.84 GB
CFZ - ASCII	10.72 GB
CFZ - SAS	29.73 GB
CFZ - R	1.46 GB
CLZ - ASCII	1.13 GB
CLZ - SAS	1.85 GB
CLZ - R	46.46 MB



JULY 2021 GROUP EDITS

BEGDT_GRP	ENDDT_GRP	DESC_GRP
1949	2018	REVIEWED CASES WHERE A GVKEY HAS A VALID LINK TO A SPECIFIC PERMNO AND ALSO HAS A NU OR NR RECORD WITH AN 00X OR 99X IID THAT OVERLAPS THAT PERMNO'S TRADING RANGE. MADE CORRECTIONS TO LINK HISTORY FOR ABOUT 110 GVKEYS. PROJECT IS COMPLETE.

JULY 2021 LINK EDITS

GVKEY 31954 FEDERAL STREET ACQ CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170731	20170831	0	0	01	NR	P
20170901	20170907	0	0	01	NR	C
20170908	20190107	0	0	01	NR	N
20170908	20190107	16925	56006	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20170730	0	0	00X	NR	C
20170731	20170831	0	0	01	NR	P
20170901	20170907	0	0	01	NR	C
20170908	20190131	0	0	01	NR	N
20170908	20190104	16925	56006	02	LC	P
20190628	20210422	0	0	05	NR	C
20210423	99999999	20901	58174	05	LC	C

GVKEY 13861 TILE SHOP HOLDINGS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20120821	0	0	00X	NR	C
20120822	99999999	13563	54170	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20120821	0	0	00X	NR	C
20120822	20191110	13563	54170	01	LC	P
20191111	20210616	0	0	01	NR	P
20210617	99999999	13563	54170	01	LC	P

GVKEY 4367 WEATHERFORD INTL PLC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19770101	19790130	32791	1543	00X	LC	C
19790131	20190131	32791	1543	01	LC	P
20190201	20190510	32791	1543	01	LC	C
20190511	20191231	0	0	01	NR	C
20200430	99999999	0	0	05	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19770101	19790130	32791	1543	00X	LC	C
19790131	20150512	32791	1543	01	LC	P
20150513	20190131	0	0	01	NR	P
20190201	20191212	0	0	01	NR	C
20200430	20210601	0	0	05	NR	P
20210602	99999999	32791	1543	05	LC	"P

GVKEY 34233 AGILITI INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190628	20210228	0	0	01	NR	C
20210301	20210422	0	0	01	NR	P
20210423	99999999	20901	58174	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
DATA REMOVED BY COMPUSTAT						

GVKEY 21998 NEOTHETICS INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20141119	0	0	00X	NR	C
20141120	20180131	15075	55117	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20141119	0	0	00X	NR	C
20141120	20180117	15075	55117	01	LC	P

GVKEY 32961 EVOFEM BIOSCIENCES INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20180118	99999999	15075	55117	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20180117	0	0	00X	NR	C
20180118	99999999	15075	55117	01	LC	P

GVKEY 25348 NANTKWEST INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20150728	20210331	15533	55364	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20150727	0	0	00X	NR	C
20150728	20210309	15533	55364	01	LC	P

GVKEY 8617 PITTSTON CO-CONSOLIDATED

OLD:

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

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18649	21414	00X	LD	C
19620131	19801231	18649	21414	01	LD	P
19810101	19930726	18649	21414	01	LC	P
19930727	20000131	0	0	01	NR	P

GVKEY 28590 BRINKS CO

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NR	C
19620131	19930726	0	0	01	NR	C
19930727	99999999	18649	21414	01	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	18649	21414	00X	LC	C
19620131	19801231	18649	21414	01	LC	C
19810101	19930726	0	0	01	NR	C
19930727	99999999	18649	21414	01	LC	C

GVKEY 3255 UNICOM CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	20001020	20853	20486	01	LC	P
20001021	20001130	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	20853	20486	00X	LC	C
19620131	20001020	20853	20486	01	LC	P
20001021	20001130	0	0	01	NR	P

GVKEY 31596 COMMONWEALTH EDISON CO

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	19940831	20853	20486	01	LD	P
19940901	99999999	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	20853	20486	00X	LD	C
19620131	19940831	20853	20486	01	LD	P
19940901	99999999	0	0	99X	NR	C

GVKEY 3039 DUKE ENERGY OHIO INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	19941024	22947	20449	01	LC	P
19941025	20201231	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	22947	20449	00X	LD	C
19620131	19801231	22947	20449	01	LD	P
19810101	19941024	22947	20449	01	LC	P
19941025	20210331	0	0	99X	NR	C

GVKEY 30865 CINERGY CORP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	19941024	0	0	01	NR	C
19941025	20060331	22947	20449	01	LC	C
20060401	20110930	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	22947	20449	00X	LC	C
19620131	19801231	22947	20449	01	LC	C
19810101	19941024	0	0	01	NR	C
19941025	20060331	22947	20449	01	LC	C
20060401	20110930	0	0	99X	NR	C

JUNE 2021 LINK EDITS**GVKEY 9421 SATELLITE INFO SYST CO-OLD****OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830701	19840130	0	0	00X	NR	C
19840131	19850228	68903	6363	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830701	19840130	0	0	00X	NR	C
19840131	19850227	68903	6363	01	LC	P

GVKEY 10316 TACO VILLA INC-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19831127	0	0	00X	NR	C
19831128	19850130	74553	6626	01	LC	P
19850131	19850531	74553	6626	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19831127	0	0	00X	NR	C
19831128	19850530	74553	6626	01	LC	P

GVKEY 12723 DEL TACO RESTAURANTS INC-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810101	19850530	0	0	00X	NR	C
19850531	19910911	74553	6626	01	LC	P
19910912	19910930	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810101	19850530	0	0	00X	NR	C
19850531	19910911	74553	6626	01	LC	P

GVKEY 105132 CREATOR CAPITAL LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920301	19940228	0	0	00X	NU	C
19940301	19940330	80365	12890	00X	LU	C
19940331	19990324	80365	12890	01	LU	C
19990325	99999999	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920301	19940228	0	0	00X	NU	C
19940301	19990324	80365	12890	01	LC	C
19990325	99999999	0	0	01	NU	C

GVKEY 61248 WALNUT FINANCIAL SVCS-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19950730	0	0	00X	NR	C
19950731	19950821	0	0	01	NR	P
19950822	19980930	82229	13954	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19950730	0	0	00X	NR	C
19950731	19950821	0	0	01	NR	P
19950822	19991101	82229	13954	01	LC	P

GVKEY 114399 THCG INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970829	19981230	0	0	00X	NR	C
19981231	20010612	82229	13954	01	LC	C
20010613	20070430	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970829	19981230	0	0	00X	NR	C
19981231	19991101	0	0	01	NR	C
19991102	20010612	82229	13954	01	LC	C
20010613	20070430	0	0	01	NR	C

GVKEY 29600 METEOR INDUSTRIES INC**OLD:**

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

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19950730	0	0	00X	NR	C
19950731	19970604	0	0	01	NR	P
19970605	20010430	85068	32005	01	LC	P

GVKEY 143441 WITS BASIN PRECIOUS MINERALS**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20010430	85068	32005	00X	LC	C
20010501	20030326	85068	32005	01	LC	P
20030327	20140110	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20010430	0	0	00X	NR	C
20010501	20030326	85068	32005	01	LC	P
20030327	20140131	0	0	01	NR	P

GVKEY 64876 SANTA FE INTERNATIONAL CORP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910701	19970609	0	0	00X	NR	C
19970610	20011120	85080	32017	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910701	19970609	0	0	00X	NR	C
19970610	20011120	85080	32017	01	LC	P

GVKEY 12170 DIGITAL TRANSERVICE CORP-OLD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19850505	0	0	00X	NR	C
19850506	19860130	87282	7530	01	LC	P
19860131	19861031	87282	7530	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850201	19850505	0	0	00X	NR	C
19850506	19861030	87282	7530	01	LC	P

GVKEY 13893 DIGITAL TRANSERVICE CORP-NEW**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851101	19861030	0	0	00X	NR	C
19861031	19870806	87282	7530	01	LC	P
19870807	19870831	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851101	19861030	0	0	00X	NR	C
19861031	19870806	87282	7530	01	LC	P

GVKEY 175660 TORREYPINES THERAPEUTICS INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20061003	0	0	00X	NR	C
20061004	20090929	88148	37144	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20061003	0	0	00X	NR	C
20061004	20090929	88148	37144	01	LC	P

GVKEY 118183

BURCON NUTRASCIENCE CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20111027	99999999	13038	53899	01	LC	P
19990226	20111026	13038	53899	01C	LX	C
20111027	99999999	13038	53899	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20111027	20180426	13038	53899	01	LC	P
20180427	20210524	0	0	01	NR	P
20210525	99999999	13038	53899	01	LC	P
19990226	20111026	13038	53899	01C	LX	C
20111027	20180426	13038	53899	01C	LX	N
20180427	20210524	0	0	01C	NR	N
20210525	99999999	13038	53899	01C	LX	N

GVKEY 34051 GARRETT MOTION INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20180930	0	0	00X	NR	C
20181001	20200918	18065	56501	01	LC	P
20200919	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20180930	0	0	00X	NR	C
20181001	20200920	18065	56501	01	LC	P
20200921	20210502	0	0	01	NR	P
20210503	99999999	18065	56501	01	LC	P

GVKEY 11944 TUESDAY MORNING CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19860306	0	0	00X	NU	C
19860307	19971231	10094	8037	01	LU	P
19990422	20201231	86866	8037	04	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19860306	0	0	00X	NU	C
19860307	19971226	10094	8037	01	LC	P
19990422	20200607	86866	8037	04	LC	P
20200608	20201231	0	0	04	NR	P
20210101	99999999	0	0	99X	NR	C

GVKEY 4472 EVERGREEN RESOURCE-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810401	19811220	0	0	00X	NR	C
19811221	19880128	33647	5238	01	LC	P
19880129	19890331	33647	5238	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810401	19811220	0	0	00X	NR	C
19811221	19890928	33647	5238	01	LC	P

GVKEY 8592 PIONEER CORP-TEXAS

OLD:

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

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19580101	19620130	0	0	00X	NR	C
19620131	19690519	0	0	01	NR	P
19690520	19860630	48370	24999	01	LC	P

GVKEY 5776 GALEN HEALTH CARE INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19670901	19680229	0	0	00X	NR	C
19680301	19690701	0	0	01	NR	P
19690702	19831229	48653	20950	01	LC	P
19831230	19930218	48653	20950	01	LD	P
19930219	19930930	79041	29781	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19670901	19680228	0	0	00X	NR	C
19680229	19690701	0	0	01	NR	P
19690702	19930218	48653	20950	01	LC	P
19930219	19930930	79041	29781	01	LC	P

GVKEY 6881 MIW INVESTORS-WASHINGTON

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730401	19790130	50498	2931	00X	LC	C
19790131	19801231	50498	2931	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730401	19790130	50498	2931	00X	LC	C
19790131	19801231	50498	2931	01	LC	P
19810101	19811231	50498	2931	99X	LC	C
19820101	19860331	0	0	99X	NU	C

GVKEY 2940 MAGELLAN HEALTH INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19701001	19710128	0	0	00X	NR	C
19710129	19710613	0	0	01	NR	C
19710614	19810129	52652	25268	01	LC	C
19810130	19811231	52652	25268	01	LD	N
19880901	19920806	0	0	01	NR	C
19920807	20021008	77854	25268	01	LC	C
20021009	20031231	0	0	01	NR	C
20040101	20040105	0	0	01	NR	C
20040106	20040130	0	0	01	NR	N
19810130	19811210	52652	25268	02	LC	P
19811211	19880831	63933	25268	02	LC	P
19880901	19880930	0	0	02	NR	J
20040106	99999999	90011	25268	03	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19701001	19710128	0	0	00X	NR	C
19710129	19710613	0	0	01	NR	C
19710614	19810129	52652	25268	01	LC	C
19810130	19811210	52652	25268	01	LD	N
19811211	19880831	0	0	01	NR	N
19880901	19920806	0	0	01	NR	C
19920807	20021008	77854	25268	01	LC	C
20021009	20031231	0	0	01	NR	C
20040101	20040105	0	0	01	NR	C
20040106	20040130	0	0	01	NR	N
19810130	19811210	52652	25268	02	LC	P
19811211	19880831	63933	25268	02	LC	P
19880901	19880930	0	0	02	NR	J
20040106	99999999	90011	25268	03	LC	P

GVKEY 4850 FORT HOWARD CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19710101	19710429	0	0	00X	NR	C
19710430	19720515	0	0	01	NR	P
19720516	19881024	54754	25389	01	LD	P
19881025	19881130	0	0	01	NR	P
19881031	19881130	0	0	02	NR	N
19881201	19950309	0	0	02	NR	C
19950310	19950331	81487	13610	02	LC	C
19950401	19970813	81487	13610	02	LC	P
19970814	19970930	0	0	02	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19710101	19710429	0	0	00X	NR	C
19710430	19720515	0	0	01	NR	P
19720516	19881024	54754	25389	01	LC	P
19881025	19881130	0	0	01	NR	P
19881031	19881130	0	0	02	NR	N
19881201	19950309	0	0	02	NR	C
19950310	19950331	81487	13610	02	LC	C
19950401	19970813	81487	13610	02	LC	P
19970814	19970930	0	0	02	NR	P

GVKEY 8756 PRIMARK CORP-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730101	19820103	0	0	00X	NR	C
19820104	19871231	64071	21445	01	LC	P
19880101	19881231	64071	21445	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730101	19820103	0	0	00X	NR	C
19820104	19881230	64071	21445	01	LC	P

GVKEY 15248 PRIMARK CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19890227	64071	21445	00X	LC	C
19890228	20000913	64071	21445	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19881230	0	0	00X	NR	C
19881231	19890227	64071	21445	00X	LC	C
19890228	20000913	64071	21445	01	LC	P

GVKEY 2578 TELOS CORP/MD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790401	19801215	0	0	00X	NR	C
19801216	19821231	64725	25727	01	LD	C
19830101	19891121	64725	25727	01	LC	C
19891122	20201118	0	0	01	NR	C
20201119	99999999	20173	57580	01	LC	C
19891130	19891130	0	0	02	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790401	19801215	0	0	00X	NR	C
19801216	19891121	64725	25727	01	LC	P
19891130	19891130	0	0	02	NR	J
20201119	99999999	20173	57580	08	LC	P

MAY 2021 NEW DATA ITEMS

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

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
CAPX_DC	CAPITAL EXPENDITURES DC	2	SUMM	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED SUMMARY DATA FROM THE LATEST ANNUAL FILING

MAY 2021 GROUP EDITS**GROUP EDITS**

BEGDT	ENDDT	DESC
1949	2019	REVIEWED CASES WHERE A GVKEY HAS A VALID LINK TO A SPECIFIC PERMNO AND ALSO HAS A NU OR NR RECORD WITH AN 00X OR 99X IID THAT OVERLAPS THAT PERMNO'S TRADING RANGE. MADE CORRECTIONS TO LINK HISTORY FOR 45 GVKEYS. PROJECT IS 50% COMPLETE.

MAY 2021 LINK EDITS**GVKEY 64545 GLOBAL SELF STORAGE INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970207	20080404	84574	31911	01	LC	P
20080405	20160208	0	0	01	NR	P
20160209	99999999	15912	55510	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970207	20080406	15912	55510	01	LC	P
20080407	20160118	0	0	01	NR	P
20160119	99999999	15912	55510	01	LC	P

GVKEY 35530 STABILIS SOLUTIONS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190729	99999999	86812	16473	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190101	20190728	0	0	00X	NR	C
20190729	20191002	86812	16473	01	LC	P
20191003	20210428	0	0	01	NR	P
20210429	99999999	86812	16473	01	LC	P

GVKEY 21506 ARMANINO FOODS DISTINCTION

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880601	19900426	0	0	00X	NR	C
19900427	20031128	0	0	02	NR	P
20031129	20040930	0	0	02	NR	P
20041001	20050812	76302	10575	02	LC	P
20050813	99999999	0	0	02	NR	P

APRIL 2021 GROUP EDITS

BEGDT_GRP	ENDDT_GRP	DESC_GRP
1950	2021	REVIEWED CASES WHERE A GVKEY HAS A VALID LINK TO A SPECIFIC PERMNO AND ALSO HAS A NU OR NR RECORD WITH AN 00X OR 99X IID THAT OVERLAPS THAT PERMNO'S TRADING RANGE. MADE CORRECTIONS TO LINK HISTORY FOR 53 GVKEYS. PROJECT IS 35% COMPLETE.

APRIL 2021 LINK EDITS**GVKEY 14112 FRANKLIN WIRELESS CORP**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860701	19870330	0	0	00X	NR	C
19870331	19871030	0	0	01	NR	C
19871031	19900129	10066	6331	01	LC	C
19900130	19990317	0	0	01	NR	C
19990318	20020823	10066	6331	01	LC	C
20020824	99999999	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860701	19870330	0	0	00X	NR	C
19870331	19900129	10066	6331	01	LC	C
19900130	19990317	0	0	01	NR	C
19990318	20020825	10066	6331	01	LC	C
20020826	20210328	0	0	01	NR	C
20210329	99999999	10066	6331	01	LC	C

GVKEY 7183 MECHANICAL TECHNOLOGY INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731001	19810129	0	0	00X	NU	C
19810130	19810409	0	0	01	NU	C
19810410	99999999	52231	3074	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731001	19810129	0	0	00X	NR	C
19810130	19810409	0	0	1	NR	C
19810410	19940817	52231	3074	1	LC	C
19940818	19990415	0	0	1	NR	C
19990416	20090426	52231	3074	1	LC	C
20090427	20210322	0	0	1	NR	C
20210323	99999999	52231	3074	1	LC	C

GVKEY 28374 INTERLINK ELECTRONICS**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930606	0	0	00X	NU	C
19930607	20060406	79280	12178	01	LU	P
20060407	20160424	0	0	01	NU	P
20160425	99999999	79280	12178	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930606	0	0	00X	NR	C
19930607	20060406	79280	12178	01	LC	P
20060407	20160424	0	0	01	NR	P
20160425	20190214	79280	12178	01	LC	P
20190215	20210324	0	0	01	NR	P
20210325	99999999	79280	12178	01	LC	P

GVKEY 1051 API INSTRUMENTS CO**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19650511	0	0	00X	NR	C
19650512	19681231	41961	24580	99X	LN	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19680101	0	0	00X	NR	C
19680102	19681231	41961	24580	00X	LC	C

GVKEY 1170 ADVANCED TELECOMMUN-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830701	19831220	0	0	00X	NR	C
19831221	19840130	11149	6737	00X	LN	C
19840131	19850730	11149	6737	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830701	19831220	0	0	00X	NR	C
19831221	19840130	11149	6737	00X	LC	C
19840131	19850730	11149	6737	01	LC	P

GVKEY 1332 ASIA SUPERNET CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730901	19760823	0	0	00X	NR	C
19760824	19780130	12096	309	00X	LN	C
19780131	19890118	12096	309	01	LC	C
19890119	99999999	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730901	19760823	0	0	00X	NR	C
19760824	19780130	12096	309	00X	LC	C
19780131	19890118	12096	309	01	LC	C
19890119	99999999	0	0	01	NR	C

GVKEY 1363 BESTWAY INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730701	19780412	0	0	00X	NR	C
19780413	19790130	12221	193	00X	LN	C
19790131	19890816	12221	193	01	LC	C
19890817	19951218	0	0	01	NR	C
19951219	20041220	12221	193	01	LC	C
20041221	20101130	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730701	19780412	0	0	00X	NR	C
19780413	19790130	12221	193	00X	LC	C
19790131	19890816	12221	193	01	LC	C
19890817	19951218	0	0	01	NR	C
19951219	20041220	12221	193	01	LC	C
20041221	20101130	0	0	01	NR	C

GVKEY 1644 ANDERSON ELECTRIC CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19640902	0	0	00X	NR	C
19640903	19681231	41056	24508	99X	LN	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19640902	0	0	00X	NR	C
19640903	19681231	41056	24508	00X	LC	C

MARCH 2021 NEW DATA ITEMS

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

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
PTBL_DC	PREMIUMS - TOTAL (BUSINESS LINE) DATA CODE	4	FS	FINANCIAL SERVICES FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION
LI_DC	LEASING INCOME DATA CODE	4	FS	FINANCIAL SERVICES FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION

MARCH 2021 GROUP EDITS

BEGDT_GRP	ENDDT_GRP	DESC_GRP
1950	2021	REVIEWED CASES WHERE A GVKEY HAS A VALID LINK TO A SPECIFIC PERMNO AND ALSO HAS A NU OR NR RECORD WITH AN 00X OR 99X IID THAT OVERLAPS THAT PERMNO'S TRADING RANGE. MADE CORRECTIONS TO LINK HISTORY FOR 60 GVKEYS. PROJECT IS 20% COMPLETE.
1950	2021	REVIEWED CASES WHERE A GVKEY HAS A LN LINKTYPE THAT OVERLAPS THAT PERMNO'S TRADING RANGE. MADE CORRECTIONS TO LINK HISTORY FOR 74 GVKEYS. PROJECT IS 30% COMPLETE.

MARCH 2021 LINK EDITS**GVKEY 3691 GT BIOPHARMA INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19700301	19720130	0	0	00X	NU	C
19720131	19721213	0	0	1	NU	P
19721214	20010516	29744	1308	1	LU	P
20010517	99999999	0	0	1	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19700301	19720130	0	0	00X	NR	C
19720131	19721213	0	0	1	NR	P
19721214	20010516	29744	1308	1	LC	P
20010517	20210210	0	0	1	NR	P
20210211	99999999	29744	1308	1	LC	P

GVKEY 143710 WILLIAMS INDUSTRIAL SE G INC
OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990101	20010517	0	0	00X	NR	C
20010518	20060928	88987	41577	1	LC	P
20060929	20140714	0	0	1	NR	P
20140715	20160330	88987	41577	1	LC	P
20160331	99999999	0	0	1	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990101	20010517	0	0	00X	NR	C
20010518	20060928	88987	41577	1	LC	P
20060929	20100809	0	0	1	NR	P
20100810	20160330	88987	41577	1	LC	P
20160331	20210221	0	0	1	NR	P
20210222	99999999	88987	41577	1	LC	P

FEBRUARY 2021 NEW DATA ITEMS

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

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
BILLEXCE	BILLINGS IN EXCESS OF COST & EARNINGS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
GLD_DC	GAIN/LOSS DILUTED EPS EFFECT DC	2100	BSTD	BANK FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION

FEBRUARY 2021 LINK EDITS
GVKEY 27677 EXTRACTION OIL & GAS INC
OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20161011	0	0	00X	NR	C
20161012	99999999	16402	55761	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20161011	0	0	00X	NR	C
20161012	20200624	16402	55761	01	LC	P
20200625	20201231	0	0	01	NR	P
20210101	20210120	0	0	01	NR	C
20210121	99999999	16402	55761	04	LC	P

GVKEY 1300 HONEYWELL INTERNATIONAL INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NR	C
19620131	99999999	10145	22168	01	LC	P
20181031	99999999	0	0	04	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	10145	22168	00X	LC	C
19620131	99999999	10145	22168	01	LC	P
20181031	99999999	0	0	04	NR	J

GVKEY 1408 BEAM INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NR	C
19620131	20140430	10225	20067	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	10225	20067	00X	LC	C
19620131	20140430	10225	20067	01	LC	P

GVKEY 12115 BRAINERD INTL INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19860429	0	0	00X	NR	C
19860430	19951229	10021	7973	01	LC	P
19951230	19960131	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19860126	0	0	00X	NR	C
19860127	19860429	10021	7973	00X	LC	C
19860430	19951229	10021	7973	01	LC	P
19951230	19960131	0	0	01	NR	P

GVKEY 21423 UNIVERSITY BANCORP INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870101	19870607	0	0	00X	NR	C
19870608	19900331	11396	9237	02	LD	P
19900401	20090109	11396	9237	02	LC	P
20090110	99999999	0	0	02	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870101	19870607	0	0	00X	NR	C
19870608	19900330	11396	9237	02	LD	P
19900331	20090109	11396	9237	02	LC	P
20090110	99999999	0	0	02	NR	P

GVKEY 24184 LABONE INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900101	19910429	19968	569	00X	LC	C
19910430	20051130	19968	569	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900101	19910429	0	0	00X	NR	C
19910430	19910515	0	0	01	NR	P
19910516	20051101	19968	569	01	LC	P

GVKEY 176446 EXCEL BANCORP INC QUINCY MAS**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860917	19921231	10670	8573	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860917	19920928	10670	8573	01	LC	P
19920929	19921231	0	0	99X	NR	C

GVKEY 178937 WESTERN LIBERTY BANCORP -OLD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20071129	0	0	00X	NR	C
20071228	20100224	92481	52835	01	LD	P
20100225	20101029	0	0	01	NR	P
20071130	20071130	0	0	02	NR	P
20071201	20071227	0	0	02	NR	C
20071228	20101029	0	0	02	NR	N
20101030	20110930	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20071129	0	0	00X	NR	C
20071228	20100224	92481	52835	01	LC	P
20100225	20101029	0	0	01	NR	P
20071130	20071130	0	0	02	NR	P
20071201	20071227	0	0	02	NR	C
20071228	20101029	0	0	02	NR	N
20101030	20110930	0	0	99X	NR	C

GVKEY 197855 WESTERN LIBERTY BANCORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20071129	0	0	00X	NR	C
20071228	20100224	92481	52835	01	LC	J
20100225	20100930	0	0	01	NR	J
20101001	20101028	0	0	01	NR	P
20101029	20121031	92481	52835	01	LC	P
20071130	20071130	0	0	02	NR	P
20071201	20071227	0	0	02	NR	C
20071228	20110331	0	0	02	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20071129	0	0	00X	NR	C
20071228	20100224	92481	52835	01	LD	J
20100225	20100930	0	0	01	NR	J
20101001	20101028	0	0	01	NR	P
20101029	20121017	92481	52835	01	LC	P
20071130	20071130	0	0	02	NR	P
20071201	20071227	0	0	02	NR	C
20071228	20110331	0	0	02	NR	N

GVKEY 1415 AMERICAN CAPITAL CORP-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19650901	19710429	0	0	00X	NR	C
19710430	19720301	0	0	01	NR	P
19720302	19831231	54332	20070	01	LC	P
19840101	19850430	54332	20070	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19650901	19710429	0	0	00X	NR	C
19710430	19720301	0	0	01	NR	P
19720302	19840130	54332	20070	01	LC	P
19840131	19850430	54332	20070	01	LD	P

GVKEY 1936 BDM FEDERAL -CL A

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19801002	0	0	00X	NR	C
19801003	19830130	63896	477	01	LC	C
19830131	19870228	63896	477	01	LC	N
19870301	19880624	63896	477	01	LC	P
19830131	19840130	63896	477	02	LD	P
19840131	19870228	0	0	02	NR	P

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19870301	19880229	0	0	02	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19801002	0	0	00X	NR	C
19801003	19830130	63896	477	01	LC	C
19830131	19840130	63896	477	01	LD	N
19840131	19870228	63896	477	01	LC	N
19870301	19880624	63896	477	01	LC	P
19830131	19840130	63896	477	02	LC	P
19840131	19870228	0	0	02	NR	P
19870301	19880229	0	0	02	NR	J

GVKEY 2147 BELLWETHER EXPLORATION-OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19801218	0	0	00X	NR	C
19801219	19831218	17559	487	01	LC	P
19831219	19870831	17559	487	01	LD	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780101	19801218	0	0	00X	NR	C
19801219	19870830	17559	487	01	LC	P

GVKEY 2489 BURLINGTON INDUSTRIES INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491001	19501229	20677	23018	00X	LN	C
19501230	19620130	20677	23018	00X	LC	C
19620131	19820128	20677	23018	01	LC	P
19820129	19821231	20677	23018	01	LD	P
19830101	19870831	20677	23018	01	LC	P
19870831	19870831	0	0	02	NR	N
19870901	19920229	0	0	02	NR	C
19920301	19920318	0	0	02	NR	P
19920319	20011114	77465	29449	02	LC	P
20011115	20031128	0	0	02	NR	P
20031129	20040130	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491001	19620130	20677	23018	00X	LC	C
19620131	19870831	20677	23018	01	LC	P
19870831	19870831	0	0	02	NR	N
19870901	19920229	0	0	02	NR	C
19920301	19920318	0	0	02	NR	P
19920319	20011114	77465	29449	02	LC	P
20011115	20031128	0	0	02	NR	P
20031129	20040130	0	0	99X	NU	C

GVKEY 2514 SEAFIELD CAPITAL CORP**OLD:**

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

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590101	19620130	0	0	00X	NR	C
19620131	19770228	0	0	01	NR	P
19770301	19910515	19968	569	01	LC	P
19910516	19910628	0	0	01	NR	P

GVKEY 2940 MAGELLAN HEALTH INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19701001	19710128	0	0	00X	NR	C
19710129	19710613	0	0	01	NR	C
19710614	19810129	52652	25268	01	LC	C
19810130	19880831	52652	25268	01	LC	N
19880901	19920806	0	0	01	NR	C
19920807	20021008	77854	25268	01	LC	C
20021009	20031231	0	0	01	NR	C
20040101	20040105	0	0	01	NR	C
20040106	20040130	0	0	01	NR	N
19810130	19811210	52652	25268	02	LD	P
19811211	19880831	63933	25268	02	LC	P
19880901	19880930	0	0	02	NR	J
20040106	99999999	90011	25268	03	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19701001	19710128	0	0	00X	NR	C
19710129	19710613	0	0	01	NR	C
19710614	19810129	52652	25268	01	LC	C
19810130	19811231	52652	25268	01	LD	N
19880901	19920806	0	0	01	NR	C
19920807	20021008	77854	25268	01	LC	C
20021009	20031231	0	0	01	NR	C
20040101	20040105	0	0	01	NR	C
20040106	20040130	0	0	01	NR	N
19810130	19811210	52652	25268	02	LC	P
19811211	19880831	63933	25268	02	LC	P
19880901	19880930	0	0	02	NR	J
20040106	99999999	90011	25268	03	LC	P

GVKEY 4060 DUPONT DE NEMOURS INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500601	19620130	0	0	00X	NR	C
19620131	20170831	20626	20597	01	LC	P
20170901	99999999	16851	56027	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500601	19620130	20626	20597	00X	LC	C
19620131	20170831	20626	20597	01	LC	P
20170901	99999999	16851	56027	01	LC	P

GVKEY 4087 DU PONT (E I) DE NEMOURS**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NR	C
19620131	20170831	11703	20606	01	LC	P
19980430	20051230	0	0	02	NR	J
19980430	99999999	0	0	03	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	11703	20606	00X	LC	C
19620131	20170831	11703	20606	01	LC	P
19980430	20051230	0	0	02	NR	J
19980430	99999999	0	0	03	NR	N

GVKEY 4839 FORD MOTOR CO**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19560306	0	0	00X	NR	C
19560307	19571230	25785	20750	00X	LN	C
19571231	19620130	25785	20750	00X	LC	C
19620131	99999999	25785	20750	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	25785	20750	00X	LC	C
19620131	99999999	25785	20750	01	LC	P

GVKEY 5301 GREAT ATLANTIC & PAC TEA CO**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500301	19620130	0	0	00X	NR	C
19620131	20101210	26657	20844	01	LC	P
20101211	20120330	0	0	01	NR	P
19990831	20060131	0	0	02	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500301	19581214	0	0	00X	NR	C
19581215	19620130	26657	20844	00X	LC	C
19620131	20101210	26657	20844	01	LC	P
20101211	20120330	0	0	01	NR	P
19990831	20060131	0	0	02	NR	J

GVKEY 6081 NAVISTAR INTERNATIONAL CORP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491101	19620130	0	0	00X	NR	C
19620131	20070213	12503	21265	01	LC	P
20070214	20080629	0	0	01	NR	P
20080630	99999999	12503	21265	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491101	19620130	12503	21265	00X	LC	C
19620131	20070213	12503	21265	01	LC	P
20070214	20080629	0	0	01	NR	P
20080630	99999999	12503	21265	01	LC	P

GVKEY 6379 KELLY SERVICES INC -CL A**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19610901	19630130	0	0	00X	NR	C
19840131	19840630	47379	2519	01	LD	J
19840701	19840731	47379	2519	01	LD	P
19840802	99999999	47379	2519	01	LC	P
19840802	99999999	47387	2519	02	LC	J
19630131	19721213	0	0	03	NR	P
19721214	19840630	47379	2519	03	LC	P
19840701	19840731	47379	2519	03	LC	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19610901	19630130	0	0	00X	NR	C
19840131	19840630	47379	2519	01	LC	J
19840701	99999999	47379	2519	01	LC	P
19840802	99999999	47387	2519	02	LC	J
19630131	19721213	0	0	03	NR	P
19721214	19840130	47379	2519	03	LC	P
19840131	19840630	0	0	03	NR	P
19840701	19840731	0	0	03	NR	J

GVKEY 6424 KEYSTONE CONS INDUSTRIES INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490701	19620130	0	0	00X	NU	C
19620131	20011212	19975	21053	01	LU	P
20011213	20050930	0	0	01	NR	P
20060531	20130731	0	0	02	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490701	19620130	19975	21053	00X	LC	C
19620131	20011212	19975	21053	01	LC	P
20011213	20050930	0	0	01	NR	P
20060531	20130731	0	0	02	NR	P

GVKEY 6737 LINCOLN ELECTRIC HLDGS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19780130	0	0	00X	NR	C
19780131	19950612	0	0	01	NR	P
19950613	19970531	81678	27454	01	LC	P
19970601	19980531	81678	27454	01	LC	J
19980601	99999999	81678	27454	01	LC	P
19780131	19950612	0	0	02	NR	J
19950613	19970531	81678	27454	02	LD	J
19970601	19971230	81678	27454	02	LD	P
19971231	19980531	81717	27454	02	LC	P
19980601	19980630	81717	27454	02	LC	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19740101	19780130	0	0	00X	NR	C
19780131	19950612	0	0	01	NR	P
19950613	19970531	81678	27454	01	LC	P
19970601	19971230	81678	27454	01	LD	J
19971231	19980531	81678	27454	01	LC	J
19980601	99999999	81678	27454	01	LC	P
19780131	19950612	0	0	02	NR	J
19950613	19970531	81678	27454	02	LD	J
19970601	19971230	81678	27454	02	LC	P
19971231	19980531	81717	27454	02	LC	P
19980601	19980630	81717	27454	02	LC	J

GVKEY 6868 MEI CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19620130	0	0	00X	NU	C
19620131	19620701	0	0	01	NU	P
19620702	19860529	12933	21133	01	LU	P
19860530	19860530	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19620130	12933	21133	00X	LC	C
19620131	19860529	12933	21133	01	LC	P

GVKEY 7861 NEW YORK SHIPBUILDING CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19660204	25486	23338	00X	LN	C
19660205	19660428	0	0	00X	NR	C
19660429	19701030	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19660204	25486	23338	00X	LC	C
19660205	19660428	0	0	00X	NR	C
19660429	19701030	0	0	01	NR	P

GVKEY 8277 PACIFIC PETROLEUMS LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600301	19660428	0	0	00X	NU	C
19660429	19790330	34999	24045	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600301	19620701	0	0	00X	NR	C
19620702	19660428	34999	24045	00X	LC	C
19660429	19790330	34999	24045	01	LC	P

GVKEY 9771 SMITH (A.O.)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590801	19620130	0	0	00X	NU	C
19820129	19881231	19852	21625	01	LU	P
19890101	20020805	19852	21625	01	LU	N
20020806	99999999	0	0	01	NU	N
19620131	19820128	0	0	02	NU	C
19820129	19830929	0	0	02	NU	N
19830930	19881231	65402	21625	02	LU	N
19890101	99999999	65402	21625	02	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590801	19620130	19852	21625	00X	LC	C
19820129	19881231	19852	21625	01	LC	P
19890101	20020805	19852	21625	01	LC	N
20020806	20100528	0	0	01	NR	N
19620131	19820128	19852	21625	02	LC	C
19820129	19821231	19852	21625	02	LD	N
19830101	19830929	0	0	02	NR	N
19830930	19881231	65402	21625	02	LC	N
19890101	99999999	65402	21625	02	LC	P

GVKEY 9775 SMITHKLINE BECKMAN CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19571013	0	0	00X	NR	C
19571014	19620130	26390	23405	00X	LN	C
19620131	19890726	26390	23405	01	LC	P
19890727	19890831	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19571013	0	0	00X	NR	C
19571014	19620130	26390	23405	00X	LC	C
19620131	19890726	26390	23405	01	LC	P
19890727	19890831	0	0	01	NR	P

GVKEY 10095 STOP & SHOP COS

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490701	19620130	0	0	00X	NR	C
19820129	19821231	36986	24195	01	LD	P
19830101	19880622	36986	24195	01	LC	P
19620131	19620701	0	0	04	NR	C
19620702	19820128	36986	24195	04	LC	C
19820129	19821231	36986	24195	04	LC	N
19830101	19911031	0	0	04	NR	N
19911101	19911121	0	0	04	NR	P
19911122	19960724	77123	24195	04	LC	P
19960725	19960830	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490701	19620130	0	0	00X	NR	C
19820129	19880622	36986	24195	01	LC	P
19620131	19620701	0	0	04	NR	C
19620702	19820128	36986	24195	04	LC	C
19820129	19821231	36986	24195	04	LD	N
19830101	19911031	0	0	04	NR	N
19911101	19911121	0	0	04	NR	P
19911122	19960724	77123	24195	04	LC	P

GVKEY 10443 TENNECO INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19570101	19620130	0	0	00X	NR	C
19620131	19961211	26542	21729	01	LC	P
19961212	99999999	84375	31841	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19570101	19620130	26542	21729	00X	LC	C
19620131	19961211	26542	21729	01	LC	P
19961212	99999999	84375	31841	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880601	19900426	0	0	00X	NR	C
19900427	20050812	76302	10575	02	LC	P
20050813	99999999	0	0	02	NR	P

JANUARY 2021 LINK EDITS**GVKEY 1383 AMERICAN ADVENTURE INC****OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19801001	19810830	0	0	00X	NU	C
19810831	19870325	0	0	01	NU	C
19870326	19871106	11206	9056	01	LC	C
19871107	19880930	0	0	01	NU	C
19881001	19881031	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19801001	19810817	0	0	00X	NR	C
19810818	19870325	12432	9056	01	LC	C
19870326	19871106	11206	9056	01	LC	C
19871107	19880930	0	0	01	NR	C
19881001	19881031	0	0	99X	NR	C

GVKEY 26148 NABRIVA THERAPEUTICS PLC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20150917	0	0	00X	NR	C
20170626	99999999	15656	55408	01	LC	P
20150918	20170531	15656	55408	90	LC	P
20170601	20170625	15656	55408	90	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20150917	0	0	00X	NR	C
20170626	99999999	15656	55408	01	LC	P
20150918	20170531	20197	55408	90	LC	P
20170601	20170625	20197	55408	90	LC	C

GVKEY 36153 AMMO INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20170330	0	0	00X	NR	C
20170331	20200131	0	0	01	NR	C
20200201	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20170330	0	0	00X	NR	C
20170331	20200131	0	0	01	NR	C
20200201	20201130	0	0	01	NR	P
20201201	99999999	85399	15711	01	LC	P

DECEMBER 2020 LINK EDITS**GVKEY 23623 SANARA MEDTECH INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19910227	0	0	00X	NR	C
19910228	19910307	0	0	01	NU	C
19910308	19920817	76928	10836	01	LU	C
19920818	99999999	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19910227	0	0	00X	NR	C
19910228	19910307	0	0	01	NU	C
19910308	19920817	76928	10836	01	LU	C
19920818	20201101	0	0	01	NR	C
20201102	99999999	76928	10836	01	LC	C

GVKEY 61709 SMITH-MIDLAND CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19951212	0	0	00X	NU	C
19951213	19991004	82745	14221	01	LU	P
19991005	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19951212	0	0	00X	NR	C
19951213	19991004	82745	14221	01	LC	P
19991005	20201116	0	0	01	NR	P
20201117	99999999	82745	14221	01	LC	P

GVKEY 62213 USA TECHNOLOGIES INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950731	20070318	0	0	01	NR	P
20070319	99999999	91910	52001	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950731	20070318	0	0	01	NR	P
20070319	20190925	91910	52001	01	LC	P
20190926	20201118	0	0	01	NR	P
20201119	99999999	91910	52001	01	LC	P

GVKEY 118936 INVESCO QQQ TRUST

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990310	20070411	86755	35013	01	LS	P
20070412	99999999	91953	44072	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990310	99999999	86755	35013	01	LS	P

GVKEY 178157 MIMEDX GROUP INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080229	20130424	0	0	01	NR	P
20130425	20181107	13878	54378	01	LC	P
20181108	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20080229	20130424	0	0	01	NR	P
20130425	20181107	13878	54378	01	LC	P
20181108	20201103	0	0	01	NR	P
20201104	99999999	13878	54378	01	LC	P

NOVEMBER 2020 LINK EDITS**GVKEY 25153 KNOWLEDGE LEADERS DEVE WORLD**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20150731	99999999	15554	54446	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20150101	20150707	0	0	00X	NR	C
20150708	20200525	15554	54446	01	LS	P
20200526	99999999	19855	57370	01	LS	P

GVKEY 21431 CALIFORNIA RESOURCES CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20141127	0	0	00X	NR	C
20141128	20200715	15029	55089	01	LC	P
20200716	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20141112	0	0	00X	NR	C
20141113	20141128	0	0	01	NR	P
20141201	20200715	15029	55089	01	LC	P
20200716	20200930	0	0	01	NR	P
20201001	20201027	0	0	01	NR	C
20201028	99999999	15029	55089	02	LC	P

GVKEY 25302 INTRUSION INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19920520	0	0	00X	NU	C
19920521	20061011	77624	11537	01	LU	P
20061012	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19920520	0	0	00X	NR	C
19920521	20061011	77624	11537	01	LC	P
20061012	20201008	0	0	01	NR	P
20201009	99999999	77624	11537	01	LC	P

GVKEY 32192 YOGAWORKS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20170810	0	0	00X	NR	C
20170811	99999999	16913	56051	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20170810	0	0	00X	NR	C
20170811	20190721	16913	56051	01	LC	P
20190722	20190723	0	0	01	NR	P
20190724	20190731	16913	56051	01	LC	P
20190801	99999999	0	0	01	NR	P

GVKEY 33223 COOL HOLDINGS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20180309	99999999	90207	45281	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20180309	20191107	90207	45281	01	LC	P
20191108	99999999	0	0	01	NR	P

OCTOBER 2020 LINK EDITS**GVKEY 15489 HUMANIGEN INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090101	20130130	0	0	00X	NR	C
20130131	20151216	13755	54309	01	LC	P
20151217	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20130130	0	0	00X	NR	C
20130131	20151216	13755	54309	01	LC	P
20151217	20200917	0	0	01	NR	P
20200918	99999999	13755	54309	01	LC	P

GVKEY 15520 SIGNET JEWELERS LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880201	19880712	0	0	00X	NR	C
19880713	99999999	12076	9857	1	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880201	19880712	0	0	00X	NR	C
19880713	20080910	19662	9857	01	LC	P
20080911	99999999	12076	9857	01	LC	P

GVKEY 20951 INNOCOLL HOLDINGS PLC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20140724	0	0	00X	NR	C
20160316	20170731	14806	54957	01	LC	P
20140725	20160229	14806	54957	90	LC	P
20160301	20160315	14806	54957	90	LC	C
20160316	99999999	0	0	90	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20140724	0	0	00X	NR	C
20160316	20170721	14806	54957	01	LC	P
20140725	20160229	19664	57263	90	LC	P
20160301	20160315	19664	57263	90	LC	C
20160316	99999999	0	0	90	NR	N

GVKEY 254381 BENITEC BIOPHARMA LTD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120701	20140629	0	0	00X	NR	C
20200415	99999999	15631	55390	01	LC	P
20140630	20150817	0	0	90	NR	P
20150818	20200331	15631	55390	90	LC	P
20200401	20200414	15631	55390	90	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120701	20140629	0	0	00X	NR	C
20200415	99999999	15631	55390	01	LC	P
20140630	20150817	0	0	90	NR	P
20150818	20200331	19665	55390	90	LC	P
20200401	20200414	19665	55390	90	LC	C

GVKEY 178377 SPI ENERGY CO LTD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20070927	0	0	00X	NR	C
20070928	20151231	0	0	01	NR	P
20170919	99999999	15913	55511	02	LC	P
20160119	20170831	15913	55511	90	LC	P
20170901	20170918	15913	55511	90	LC	C
20170919	99999999	0	0	90	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20070927	0	0	00X	NR	C
20070928	20151231	0	0	01	NR	P
20170919	99999999	15913	55511	02	LC	P
20160119	20170831	19666	55511	90	LC	P
20170901	20170918	19666	55511	90	LC	C
20170919	99999999	0	0	90	NR	N

GVKEY 272838 SUNDANCE ENERGY AUSTRALIA

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100701	20160831	0	0	00X	NR	C
20191126	99999999	16306	55699	02	LC	P
20160901	20191031	16306	55699	90	LC	P
20191101	20191125	16306	55699	90	LC	C
20191126	99999999	0	0	90	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100701	20160901	0	0	00X	NR	C
20191126	99999999	16306	55699	02	LC	P
20160902	20191031	19667	55699	90	LC	P
20191101	20191125	19667	55699	90	LC	C

GVKEY 35112 PROFICIENT ALPHA ACQ CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190531	20190531	0	0	01	NR	P
20190601	20190619	0	0	01	NR	C
20190620	20200630	0	0	01	NR	N
20190620	20200616	18781	56750	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20171001	20190530	0	0	00X	NR	C
20190531	20190531	0	0	01	NR	P
20190601	20190619	0	0	01	NR	C
20190620	20200630	0	0	01	NR	N
20190620	20200616	19670	56750	02	LC	P

GVKEY 253355 AVITA THERAPEUTICS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030930	20120229	0	0	01	NR	C
20120301	20120329	0	0	01	NR	C
20120330	99999999	0	0	01	NR	N
20200630	99999999	19022	56920	02	LC	P
20120330	20190930	0	0	90	NR	P
20191001	20200531	19022	56920	90	LC	P
20200601	20200629	19022	56920	90	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030930	20120229	0	0	01	NR	C
20120301	20120329	0	0	01	NR	C
20120330	99999999	0	0	01	NR	N
20200630	99999999	19022	56920	02	LC	P
20120330	20190930	0	0	90	NR	P
20191001	20200531	19671	56920	90	LC	P
20200601	20200629	19671	56920	90	LC	C

GVKEY 26050 INVITEL HOLDINGS AS**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19921227	0	0	00X	NR	C
19921228	20100217	78157	11883	90	LC	P
20100218	20100730	0	0	90	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19921227	0	0	00X	NR	C
19921228	20090226	78157	11883	90	LC	P
20090227	20100217	19663	57262	90	LC	P
20100218	20100730	0	0	90	NR	P

GVKEY 29789 ARCADIS NV**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19931229	0	0	00X	NR	C
19931230	20070607	79976	12744	90	LC	P
20070608	99999999	0	0	90	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19931229	0	0	00X	NR	C
19931230	20010315	19672	12744	90	LC	P
20010316	20070607	79976	12744	90	LC	P
20070608	99999999	0	0	90	NR	P

GVKEY 102696 LOGITECH INTERNATIONAL SA**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940401	19970326	0	0	00X	NU	C
19970327	99999999	84621	15412	02	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940401	19970326	0	0	00X	NR	C
19970327	20061022	19673	15412	02	LC	P
20061023	99999999	84621	15412	02	LC	P

GVKEY 110620 ICON PLC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950601	19980514	0	0	00X	NR	C
19980515	99999999	86072	16109	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950601	19980514	0	0	00X	NR	C
19980515	20130203	19674	16109	01	LC	P
20130204	99999999	86072	16109	01	LC	P

GVKEY 137611 SOHU COM LTD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	20000711	0	0	00X	NR	C
20000712	20180531	88467	37957	01	LC	P
20180601	99999999	88467	37957	90	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20000711	0	0	00X	NR	C
20000712	20180531	19675	37957	01	LC	P
20180601	99999999	88467	37957	90	LC	P

GVKEY 253527 EYEPOINT PHARMACEUTICALS INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020701	20050126	0	0	00X	NR	C
20050127	20080610	90542	46110	01	LC	P
20080611	20080625	0	0	01	NR	P
20080626	99999999	90542	46110	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020701	20050126	0	0	00X	NR	C
20050127	20080625	19678	46110	01	LC	P
20080626	99999999	90542	46110	01	LC	P

GVKEY 2270 VALARIS PLC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780601	19800227	0	0	00X	NR	C
19800228	20091222	62519	559	01	LC	P
20091223	20200817	93159	53296	01	LC	P
20200818	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19780601	19800227	0	0	00X	NR	C
19800228	20091222	62519	559	01	LC	P
20091223	20120521	19661	53296	01	LC	P
20120522	20200817	93159	53296	01	LC	P
20200818	99999999	0	0	01	NR	P

SEPTEMBER 2020 NEW DATA ITEMS

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

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
TXDB	DEFERRED TAXES (BALANCE SHEET)	15	FSFO	FINANCIAL SERVICES FORMAT, PRO-FORMA REPORTING, STANDARDIZED PRESENTATION
TXDB	DEFERRED TAXES (BALANCE SHEET)	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION

SEPTEMBER 2020 LINK EDITS**GVKEY 101973 TORM PLC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20020416	0	0	00X	NR	C
20020417	20130731	89356	42999	90	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20020416	0	0	00X	NR	C
20180309	99999999	17157	56182	01	LC	P
20020417	20130719	89356	42999	90	LC	P

GVKEY 1491 HADERA PAPER LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600401	19650629	0	0	00X	NR	C
19650630	20111221	29014	20089	01	LC	P
20120114	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600401	19620701	0	0	00X	NR	C
19620702	19650629	19580	20089	00X	LC	C
19650630	19801125	19580	20089	01	LC	P
19801126	20111221	29014	20089	01	LC	P
20120114	99999999	0	0	01	NR	P

GVKEY 14370 MANPOWERGROUP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19811101	19880502	0	0	00X	NU	C
19880503	99999999	75285	20312	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19811101	19880502	0	0	00X	NU	C
19880503	19910502	19581	57197	01	LC	P
19910503	99999999	75285	20312	01	LC	P

GVKEY 15824 HERITAGE GLOBAL INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19890706	0	0	00X	NR	C
19890707	19911003	75955	10238	01	LC	C
19911004	19930322	0	0	01	NR	C
19930323	20010928	78988	10238	01	LC	C
20010929	99999999	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19890706	0	0	00X	NR	C
19890707	19911003	75955	10238	01	LC	C
19911004	19930322	0	0	01	NR	C
19930323	20010930	78988	10238	01	LC	C
20011001	20200830	0	0	01	NR	C
20200831	99999999	78988	10238	01	LC	C

GVKEY 25791 BRILLIANCE CHINA AUTOMOTIVE**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19921008	0	0	00X	NR	C
19921009	20070725	77995	29617	90	LC	P
20070726	20090831	0	0	90	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19921008	0	0	00X	NR	C
19921009	20000416	19582	29617	90	LC	P
20000417	20070725	77995	29617	90	LC	P
20070726	20090831	0	0	90	NR	P

GVKEY 29804 INVESCO LTD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930930	19950824	0	0	02	NR	P
19950825	99999999	81910	30929	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930930	19950824	0	0	02	NR	P
19950825	20071203	81910	30929	02	LC	P
20071204	99999999	19583	30929	02	LC	P

AUGUST 2020 LINK EDITS**GVKEY 111629 CREXENDO INC****OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970701	19980629	0	0	00X	NR	C
19980630	19991117	0	0	01	NR	P
19991118	20150112	87404	17399	01	LC	P
20150113	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970701	19980629	0	0	00X	NR	C
19980630	19991117	0	0	01	NR	P
19991118	20001229	87404	17399	01	LC	P
20010110	20040815	0	0	01	NR	P
20040816	20150112	87404	17399	01	LC	P
20150113	20200707	0	0	01	NR	P
20200708	99999999	87404	17399	01	LC	P

STEPS TO INSTALL:

- From the directory containing your downloaded zip file, right click (in Windows) or run File Roller (in Red Hat)
- Set the extract destination to the current higher level directory where data is normally stored and unzip will add the rest of the path (default is C:\ in Windows or /home in Red Hat)
- For example, in Windows, extracting to C:\ will install the data under C:\crspdata

Contact CRSP Client Services for assistance at: support@crsp.org or call 312-263-6400, Option 2.

SETTING ENVIRONMENT VARIABLES FOR CDAB DATABASE

The zip process will not automatically set environment variables for use with command line tools. The following steps will do so.

NOTE: CRSPSift does not use and therefore does not require environment variables.

LINUX

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

Check the current state of the environment variables by entering this command: `env | grep crsp`

- If you have admin privileges on your machine, open the .profile file, and make updates to the following lines to update the paths for the new data installed:
 - `CRSP_CCM=<full path name>/<compustat directory>` (example: `CRSP_CCM=~ /crspdata/cmz201309`)
- If you are using the bash shell (or any Bourne-style shell), enter the same commands above and export each one. This will make changes for your current session only and does not save to the .profile file.
- A shell script is available to make changes that can be reused for each update done. Note that this will only make changes to your current session and does not save to the .profile file.
 - Navigate to where the CUPL tools are loaded and then enter: `cd accbin`
 - Start the script by entering: `./crsp_setup.sh`
 - The script will prompt for the following:
 - File name (*will be appended with .kshrc*)
 - Top level directory (this should be where CUPL tools are located (example: ~/crsp)
 - Scratch directory for error messages – name can be anything
 - Enter path for daily stock directory
(example: ~/crspdata/diz201308)
 - Enter path for monthly stock directory
(example: ~/crspdata/miz201308)
 - Enter path for index directory
(example: ~/crspdata/ifz201308)
 - Enter path for CCM directory – enter to leave blank
(example: `CRSP_CCM=~ /crspdata/cmz201309`)
 - Enter path for CST directory – enter to leave blank
 - Execute script by running: `./<file name created above>.kshrc` (*note there is a space between the two dots*)

WINDOWS:

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

[Click here to view a copy of the CRSP/Compustat Merged Database Guide.](#)