

CRSP/COMPUSTAT RELEASE NOTES

JULY 2020 QUARTERLY UPDATE

NEW! CRSP/COMPUSTAT SAS, ASCII, AND R FILES

CRSP is providing new access to our subscribers for the CRSP\Compustat Merged Database (CCM) in SAS, ASCII, and R file formats. 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 2020 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is 20200711.

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	19251231-20200710	1-24925
MONTHLY TRADING CALENDAR	19251231-20231231	1-1189
ANNUAL TRADING CALENDAR	19251231-20201231	1-97
QUARTERLY TRADING CALENDAR	19251231-20201231	1-385
SEMI-ANNUAL TRADING CALENDAR	19251231-20201231	1-193
WEEKLY TRADING CALENDAR	19260102-20200710	1-4932

DATABASE CHARACTERISTICS

The following table summarizes general characteristics of the CCM database:

ATTRIBUTE	CCM FORMAT DATABASE
SOURCE	COMPUSTAT XPRESSFEED
VOLUME LABELS	CMZ20200710 - CRSPACCESS CFZ20200710 - SAS/ASCII/R CLZ20200710 (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	50,576
TOTAL GVKEY COMPANIES	48,378
TOTAL GVKEYX INDEXES	2,198
TOTAL GVKEY/IID SECURITIES	62,588
TOTAL CRSP SECURITIES LINKED	30,231
TOTAL GVKEYS IN LINK	48,328
TOTAL LINK RECORDS	106,420
TOTAL LINK RECORDS WITH A LINK TO CRSP	35,076

DATABASE SIZES

CMZ	11.79 GB
CFZ - ASCII	10.68 GB
CFZ - SAS	29.36 GB
CFZ - R	1.43 GB
CLZ - ASCII	1.10 GB
CLZ - SAS	1.79 GB
CLZ - R	45.09 MB

JULY 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	99999999	87404	17399	01	LU	P

NEW:

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

JUNE 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
CEIEXBILL_FN	COST & EARNINGS IN EXCESS OF BILLINGS FN	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CEIEXBILL	COST & EARNINGS IN EXCESS OF BILLINGS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION

JUNE 2020 LINK EDITS

GVKEY 61140 WINDTREE THERAPEUTICS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19950807	0	0	00X	NR	C
19950808	20170504	82156	13915	01	LC	P
20170505	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19950807	0	0	00X	NR	C
19950808	20170504	82156	13915	01	LC	P
20170505	20200519	0	0	01	NR	P
20200520	99999999	82156	13915	01	LC	P

GVKEY 64229 DELMAR BANCORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970331	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970331	20200505	0	0	01	NR	P
20200506	99999999	19396	57086	01	LC	P

GVKEY 140023 DELCATH SYSTEMS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990101	20011021	0	0	00X	NR	C
20011022	20170914	89169	40199	01	LC	P
20170915	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990101	20011021	0	0	00X	NR	C
20011022	20170914	89169	40199	01	LC	P
20170915	20200430	0	0	01	NR	P
20200501	99999999	89169	40199	01	LC	P

GVKEY 34417 BOXWOOD MERGER CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181130	20181231	0	0	01	NR	P
20190101	20190106	0	0	01	NR	C
20190107	20200228	0	0	01	NR	N
20190107	99999999	18357	56586	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181130	20181231	0	0	01	NR	P
20190101	20190106	0	0	01	NR	C
20190107	20200228	0	0	01	NR	N
20190107	20200217	18357	56586	02	LC	P
20200228	20200228	0	0	03	NR	J

GVKEY 20810 INVENTERGY GLOBAL INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20140608	0	0	00X	NR	C
20140609	20151207	87604	17932	01	LC	P
20151208	99999999	87604	17932	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20140608	0	0	00X	NR	C
20140609	20170606	87604	17932	01	LC	P
20170607	99999999	0	0	01	NR	P

GVKEY 108645 ULTRA PETROLEUM CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20010118	20160502	88882	41178	01	LC	P
20160503	20170331	0	0	01	NR	P
20170401	20170412	0	0	01	NR	C

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170413	99999999	0	0	01	NR	N
19900731	20010117	0	0	01C	NU	C
20010118	20040331	88882	41178	01C	LX	N
20170413	99999999	16682	41178	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20010118	20160502	88882	41178	01	LC	P
20160503	20170331	0	0	01	NR	P
20170401	20170412	0	0	01	NR	C
20170413	99999999	0	0	01	NR	N
19900731	20010117	0	0	01C	NU	C
20010118	20040331	88882	41178	01C	LX	N
20170413	20190807	16682	41178	2	LC	P
20190808	99999999	0	0	2	NR	P

MAY 2020 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
HFO_FN	OTHER % OF REVENUE FOOTNOTE	1	STD	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION
HFMCD_FN	MEDICAID % OF REVENUE FOOTNOTE	1	STD	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION
HFMGD_FN	MANAGED CARE % OF REVENUE FOOTNOTE	1	STD	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION
BILLEXCEQ	BILLINGS IN EXCESS OF COST & EARNINGS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CEIEXBILLQ_FN	COST & EARNINGS IN EXCESS OF BILLINGS FN	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CEIEXBILLQ	COST & EARNINGS IN EXCESS OF BILLINGS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION

MAY 2020 LINK EDITS

GVKEY 183612 ZOOM TECHNOLOGIES INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20091010	99999999	77011	10759	01	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20090101	20091009	0	0	00X	NR	C
20091010	20140829	77011	10759	01	LC	C
20140830	99999999	0	0	01	NR	C

APRIL 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
RDIPEPSSA_DC	IN PROCESS R&D EXPENSE BASIC EPS EFFECT DATA CODE	1	STD	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION

APRIL 2020 LINK EDITS

GVKEY 186607 NEWLINK GENETICS CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20111110	0	0	00X	NR	C
20111111	99999999	13111	53935	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20111110	0	0	00X	NR	C
20111111	20200318	13111	53935	01	LC	P

GVKEY 32889 MENLO THERAPEUTICS INC -OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20150101	20180124	0	0	00X	NR	C
20180125	99999999	17266	56233	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20150101	20180124	0	0	00X	NR	C
20180125	20200306	17266	56233	01	LC	P

GVKEY 33137 TIBERIUS ACQU CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20160101	20180328	0	0	00X	NR	C
20180329	20180331	0	0	01	NR	P
20180401	20180409	0	0	01	NR	C
20180410	99999999	0	0	01	NR	N
20180410	99999999	17696	56304	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20160101	20180328	0	0	00X	NR	C
20180329	20180331	0	0	01	NR	P
20180401	20180409	0	0	01	NR	C
20180410	20200331	0	0	01	NR	N
20180410	20200317	17696	56304	02	LC	P

GVKEY 34136 CHASERG TECHNOLOGY ACQ
OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181031	20200229	0	0	01	NR	J
20181030	20200331	18192	56558	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181031	20200306	0	0	01	NR	J
20181030	20200305	18192	56558	02	LC	P

MARCH 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
DERAC	DERIVATIVE ASSETS - CURRENT	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
DERALT	DERIVATIVE ASSETS LONG-TERM	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
DERLC	DERIVATIVE LIABILITIES- CURRENT	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
DERLLT	DERIVATIVE LIABILITIES LONG-TERM	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
GLASA_DC	GAIN/LOSS AFTER-TAX DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
GLA_DC	GAIN/LOSS AFTER-TAX DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
GLDQ_DC	GAIN/LOSS DILUTED EPS EFFECT DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
GLDSA_DC	GAIN/LOSS DILUTED EPS EFFECT DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
GLDY_DC	GAIN/LOSS DILUTED EPS EFFECT DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
GLD_DC	GAIN/LOSS DILUTED EPS EFFECT DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
GLPSA_DC	GAIN/LOSS PRETAX DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
GLP_DC	GAIN/LOSS PRETAX DC	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION
HBINVNO	INVENTORIES NOT OWNED/DEPOSITS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
OGI	IMPAIRMENT OF OIL & GAS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
OGIQ	IMPAIRMENT OF OIL & GAS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
OGIQ_DC	IMPAIRMENT OF OIL AND GAS DATA CODE	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
OGIY	IMPAIRMENT OF OIL & GAS	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
OGIY_DC	IMPAIRMENT OF OIL AND GAS DATA CODE	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION

MARCH 2020 LINK EDITS

GVKEY 9835 PIONEER ENERGY SERVICES CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810101	19810203	0	0	00X	NR	C
19810204	99999999	63335	4202	01	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810101	19810203	0	0	00X	NR	C
19810204	20190813	63335	4202	1	LC	C
20190814	99999999	0	0	1	NR	C

GVKEY 18844 SHARING ECONOMY INTL INC - OLD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20071129	0	0	00X	NR	C
20071130	20091228	0	0	01	NR	P
20091229	99999999	93191	53312	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20071129	0	0	00X	NR	C
20071130	20091228	0	0	01	NR	P
20091229	20181204	93191	53312	01	LC	P
20181205	20191231	0	0	01	NR	P

FEBRUARY 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
ACCRT	ARO ACCRETION EXPENSE	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
ACCTCHG	ADOPTION OF ACCOUNTING CHANGES	39	FF01	FINANCIAL SERVICES FORMAT, PRO-FORMA REPORTING, STANDARDIZED PRESENTATION, RANK 1
ACCTCHG	ADOPTION OF ACCOUNTING CHANGES	37	PF01	INDUSTRIAL FORMAT, PRO-FORMA REPORTING, STANDARDIZED PRESENTATION, RANK 1
ACCTCHG	ADOPTION OF ACCOUNTING CHANGES	2161	BAPF01	BANK FORMAT, PRO-FORMA REPORTING, AVERAGE STANDARDIZED PRESENTATION, RANK 1

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
ACCTCHG	ADOPTION OF ACCOUNTING CHANGES	2160	BAPFO	BANK FORMAT, PRO-FORMA REPORTING, AVERAGE STANDARDIZED PRESENTATION
ACCTCHG	ADOPTION OF ACCOUNTING CHANGES	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
ACCTCHG	ADOPTION OF ACCOUNTING CHANGES	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION
ACCTCHGQ	ADOPTION OF ACCOUNTING CHANGES	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION
CIBEGNISA	COMP INC - BEGINNING NET INCOME	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CICURRSA	COMP INC - CURRENCY TRANS ADJ	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CIDERGLSA	COMP INC - DERIVATIVE GAINS/LOSSES	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CIMIISA	COMPREHENSIVE INCOME - NONCONTROLLING INTEREST	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CIOOTHERSA	COMP INC - OTHER ADJ	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CIPENSA	COMP INC - MINIMUM PENSION ADJ	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CISA	COMPREHENSIVE INCOME - TOTAL	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CISECGLSA	COMP INC - SECURITIES GAINS/LOSSES	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
CITOTALSA	COMPREHENSIVE INCOME - PARENT	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
DERALTQ	DERIVATIVE ASSETS LONG-TERM	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
DERHEDGLSA	GAINS/LOSSES ON DERIVATIVES & HEDGING	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
DERLCQ	DERIVATIVE LIABILITIES- CURRENT	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
FDAC	FEDERAL DEPOSIT ASSESSMENT CHARGE	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION
FDACQ	FEDERAL DEPOSIT ASSESSMENT CHARGE	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION
FDACY	FEDERAL DEPOSIT ASSESSMENT CHARGE	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION
PPENTQ_FN1	PROPERTY PLANT AND EQUIPMENT - TOTAL (NET) FOOTNOTE	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION
PPENT_FN	PROPERTY, PLANT & EQUIPMENT - TOTAL (NET) FN	2140	BPFO	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION
PPENT_FN	PROPERTY, PLANT & EQUIPMENT - TOTAL (NET) FN	15	FSFO	FINANCIAL SERVICES FORMAT, PRO-FORMA REPORTING, STANDARDIZED PRESENTATION

KEYSET	KEYSET_TAG	DESCRIPTION
2141	BPFO1	BANK FORMAT, PRO-FORMA REPORTING, STANDARD PRESENTATION, RANK 1
2161	BAPFO1	BANK FORMAT, PRO-FORMA REPORTING, AVERAGE STANDARDIZED PRESENTATION, RANK 1

JANUARY 2020 NEW DATA ITEMS

Listed in the table 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
MMXPXQ_FN	MINING EXPLORATION EXPENSE - FOOTNOTE	1	STD	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION
PPENTQ_FN1	PROPERTY PLANT AND EQUIPMENT - TOTAL (NET) FOOTNOTE	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
ACCTCHGQ	ADOPTION OF ACCOUNTING CHANGES	5	PFO	INDUSTRIAL FORMAT, PRO FORMA REPORTING, STANDARDIZED PRESENTATION
ACCTCHGQ	ADOPTION OF ACCOUNTING CHANGES	37	PFO1	INDUSTRIAL FORMAT, PRO-FORMA REPORTING, STANDARDIZED PRESENTATION, RANK 1

JANUARY 2020 LINK EDITS

GVKEY 15363 TCF FINANCIAL CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19860616	0	0	00X	NR	C
19860617	20190731	0	0	1	NR	P
20190801	99999999	11992	9882	1	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860101	19860616	0	0	00X	NR	C
19860617	20190731	10375	8292	01	LC	P
20190801	99999999	11992	9882	01	LC	P

GVKEY 27201 GEMPHIRE THERAPEUTICS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20160804	0	0	00X	NR	C
20160805	99999999	16255	55671	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20140101	20160804	0	0	00X	NR	C
20160805	20191230	16255	55671	01	LC	P

GVKEY 5165 GIGA-TRONICS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19820401	19830619	0	0	00X	NU	C
19830620	99999999	39029	6080	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19820401	19830619	0	0	00X	NR	C
19830620	20171027	39029	6080	01	LC	P
20171028	99999999	0	0	01	NR	P

GVKEY 27269 NUVEEN HI INCOME DEC 19 TARG

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20160531	20191129	16081	55579	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20160531	20191122	16081	55579	01	LS	P
20191123	99999999	0	0	01	NR	P

GVKEY 27678 ROAN HOLDINGS GROUP CO LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20160713	99999999	14994	55069	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20160713	20190905	14994	55069	01	LC	P
20190906	99999999	0	0	01	NR	P

GVKEY 62592 PROTALIX BIOTHERAPEUTICS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	19980129	0	0	00X	NU	C
19980130	19980525	0	0	01	NU	C
19980526	99999999	86080	16110	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19961231	19980514	0	0	01	NR	C
19980515	19991116	86080	16110	01	LC	C
19991117	20070311	0	0	01	NR	C
20070312	99999999	86080	16110	01	LC	C

GVKEY 174314 WILDBRAIN LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040701	20060530	0	0	00X	NR	C
20120531	20180430	0	0	01	NR	C
20180501	20180531	0	0	01	NR	J
20060531	20120530	0	0	01C	NR	C
20120531	20180430	0	0	01C	NR	N
20180501	20180531	0	0	01C	NR	J
20141031	20150622	0	0	02	NR	J
20150623	20180430	15424	55307	02	LC	J
20180501	99999999	15424	55307	02	LC	P
20141031	20180430	15424	55307	02C	LX	J
20180501	99999999	15424	55307	02C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040701	20060530	0	0	00X	NR	C
20120531	20180430	0	0	01	NR	C
20180501	20180531	0	0	01	NR	J
20060531	20120530	0	0	01C	NR	C
20120531	20180430	0	0	01C	NR	N
20180501	20180531	0	0	01C	NR	J
20141031	20150622	0	0	02	NR	J
20150623	20180430	15424	55307	02	LC	J
20180501	20191223	15424	55307	02	LC	P
20191224	99999999	0	0	02	NR	P
20141031	20150622	0	0	02C	NR	J
20150623	20180430	15424	55307	02C	LX	J
20180501	20191223	15424	55307	02C	LX	N
20191224	99999999	0	0	02C	NR	N

GVKEY 25509 SUPERIOR ENERGY SERVICES INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900901	19920706	0	0	00X	NU	C
19920707	20190830	77763	11606	01	LC	P
20190901	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19900901	19920706	0	0	00X	NR	C
19920707	20190926	77763	11606	01	LC	P
20190927	20191225	0	0	01	NR	P
20191226	99999999	77763	11606	01	LC	P

GVKEY 33702 TWELVE SEAS INVESTMENT CO**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20180620	20180630	0	0	01	NR	P
20180701	20180712	0	0	01	NR	C
20180713	99999999	0	0	01	NR	N
20180713	99999999	17978	56425	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20180620	20180630	0	0	01	NR	P
20180701	20180712	0	0	01	NR	C
20180713	20191231	0	0	01	NR	N
20180713	20191222	17978	56425	02	LC	P

GVKEY 35105 HEALTH SCNCES ACQ CORP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20180101	20190509	0	0	00X	NR	C
20190510	20190531	0	0	01	NR	P
20190601	20190620	0	0	01	NR	C
20190621	99999999	0	0	01	NR	N
20190621	99999999	18776	56742	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20180101	20190509	0	0	00X	NR	C
20190510	20190531	0	0	01	NR	P
20190601	20190620	0	0	01	NR	C
20190621	20191231	0	0	01	NR	N
20190621	20191218	18776	56742	02	LC	P

GVKEY 60888 GLOWPOINT INC -OLD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940701	19950615	0	0	00X	NR	C
19950616	20051004	81761	13783	01	LC	P
20051005	20111214	0	0	01	NR	P
20111215	99999999	81761	13783	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940701	19950615	0	0	00X	NR	C
19950616	20051004	81761	13783	01	LC	P
20051005	20111214	0	0	01	NR	P
20111215	20191002	81761	13783	01	LC	P
20191003	99999999	0	0	99X	NR	C

DECEMBER 2019 NEW DATA ITEMS

Listed in the table 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
STKCOSA_FN	STOCK COMPENSATION EXPENSE FOOTNOTE	1	STD	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION
CSTKE_DC	COMMON STOCK EQUIVALENTS - DOLLAR SAVINGS DATA CODE	7	SFAS	INDUSTRIAL FORMAT, PRE-FASB REPORTING, STANDARDIZED PRESENTATION

DECEMBER 2019 LINK EDITS

GVKEY 188856 FRANCHISE GROUP INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060501	20120628	0	0	00X	NR	C
20120629	20120701	0	0	01	NR	P
20120702	20190714	13537	54155	01	LC	P
20190715	99999999	0	0	01	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060501	20120628	0	0	00X	NR	C
20120629	20120701	0	0	01	NR	P
20120702	20140714	13537	54155	01	LC	P
20140715	20191114	0	0	01	NR	P
20191115	99999999	13537	54155	01	LC	P

GVKEY 22032 TILL CAPITAL CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20141031	20150525	0	0	01	NR	P
20150526	99999999	15386	55282	01	LC	P
20141031	20150525	0	0	01C	NR	N
20150526	99999999	15386	55282	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20141031	20150525	0	0	01	NR	P
20150526	20180502	15386	55282	01	LC	P
20180503	99999999	0	0	01	NR	P
20141031	20150525	0	0	01C	NR	N
20150526	20180502	15386	55282	01C	LX	N
20180503	99999999	0	0	01C	NR	N

GVKEY 28119 BROOKFIELD PROPERTY REIT

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930407	0	0	00X	NR	C
19930408	20090415	79129	29807	01	LC	P
20090416	20100304	0	0	01	NR	P
20100305	99999999	79129	29807	01	LC	P
20180831	99999999	0	0	05	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930407	0	0	00X	NR	C
19930408	20090415	79129	29807	01	LC	P
20090416	20100304	0	0	01	NR	P
20100305	99999999	79129	29807	01	LC	P
20180831	20190930	0	0	05	NR	J

GVKEY 160488 NEUROMETRIX INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20040721	0	0	00X	NR	C
20040722	20151201	90288	45428	01	LC	P
20151202	99999999	90288	45428	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20040721	0	0	00X	NR	C
20040722	99999999	90288	45428	01	LC	P

GVKEY 170307 GADSEN PROPERTIES INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20111229	0	0	00X	NR	C
20111230	20170706	88258	5761	01	LC	P
20170707	20171001	0	0	01	NR	P
20171002	99999999	88258	5761	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100101	20111229	0	0	00X	NR	C
20111230	20170706	88258	5761	01	LC	P
20170707	20171001	0	0	01	NR	P
20171002	20180619	88258	5761	01	LC	P
20180620	99999999	0	0	01	NR	P

NOVEMBER 2019 NEW DATA ITEMS

Listed in the table 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
CSHOPQ_FN	TOTAL SHARES REPURCHASED - QUARTER FOOTNOTE	2100	BSTD	BANK FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION

NOVEMBER 2019 LINK EDITS

GVKEY 11161 VICON INDUSTRIES INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731001	19760624	0	0	00X	NU	C
19760625	99999999	61700	4797	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19731001	19760624	0	0	00X	NR	C
19760625	20180711	61700	4797	01	LC	P
20180712	99999999	0	0	01	NR	P

GVKEY 28119 BROOKFIELD PROPERTY REIT

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930407	0	0	00X	NR	C
19930408	20090415	79129	29807	01	LC	P
20090416	20100304	0	0	01	NR	P
20100305	20180827	79129	29807	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930407	0	0	00X	NR	C
19930408	20090415	79129	29807	01	LC	P
20090416	20100304	0	0	01	NR	P
20100305	99999999	79129	29807	01	LC	P
20180831	99999999	0	0	05	NU	J

GVKEY 29921 REVOLUTION LIGHTING TECHNLS

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940321	0	0	00X	NR	C
19940322	99999999	80368	12935	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940321	0	0	00X	NR	C
19940322	20191011	80368	12935	01	LC	P
20191012	99999999	0	0	01	NR	P

GVKEY 20441 GWG HOLDINGS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20140924	0	0	00X	NR	C
20140925	20181230	14930	55026	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20140924	0	0	00X	NR	C
20140925	99999999	14930	55026	01	LC	P

GVKEY 10845 UNILEVER PLC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620130	28302	21802	00X	LU	C
19620131	99999999	28302	21802	90	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19620101	19620130	28302	21802	00X	LC	C
19620131	19931231	28302	21802	90	LC	P
19940101	99999999	0	0	99X	NR	C

GVKEY 13498 CARNIVAL CORPORATION & PLC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851001	19870723	0	0	00X	NR	C
19870724	99999999	75154	20394	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851001	19870723	0	0	00X	NR	C
19870724	99999999	75154	20394	01	LC	P
20031128	99999999	0	0	04	NR	N
20030421	99999999	89728	56248	90	LC	J

GVKEY 140821 CARNIVAL CORP/PLC (GBR)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20001022	0	0	00X	NR	C
20001023	20030417	88671	40151	90	LC	P
20030421	99999999	89728	56248	90	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20001022	0	0	00X	NR	C
20001023	20021231	88671	40151	90	LC	P

GVKEY 10846 THE UNILEVER GROUP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NR	C
19620131	99999999	28310	21803	90	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19611228	0	0	00X	NR	C
19611229	19620130	28310	21803	00X	LC	C
19620131	99999999	28310	21803	90	LC	P
19940101	99999999	28302	21802	91	LC	J

GVKEY 32270 UNITED STATES 3X SRT OIL ETF

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20170731	0	0	00X	NR	C
20170801	20190930	16848	56022	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20170731	0	0	00X	NR	C
20170801	99999999	16848	56022	01	LS	P

GVKEY 253355 AVITA MEDICAL LTD

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
20120330	99999999	0	0	90	NR	P

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
20120330	20190930	0	0	90	NR	P
20191001	99999999	19022	56920	90	LC	P

FEBRUARY 2020 LINK EDITS

GVKEY 65089 DETROIT EDISON CO

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	11674	20574	00X	LC	C
19620131	19801231	11674	20574	01	LC	P
19951230	99999999	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	11674	20574	00X	LD	C
19620131	19801231	11674	20574	01	LD	P
19810101	99999999	0	0	99X	NR	C

GVKEY 3897 DTE ENERGY CO

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	11674	20574	00X	LD	C
19620131	19960101	11674	20574	01	LD	P
19960102	99999999	11674	20574	01	LC	P
20020628	20051230	0	0	02	NR	J
20191129	99999999	0	0	05	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	11674	20574	00X	LC	C
19620131	99999999	11674	20574	01	LC	P
20020628	20051230	0	0	02	NR	J
20191129	99999999	0	0	05	NR	J

GVKEY 21802 PROTEON THERAPEUTICS INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20141021	0	0	00X	NR	C
20141022	20200131	15015	55083	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20141021	0	0	00X	NR	C
20141022	20200109	15015	55083	01	LC	P

GVKEY 32483 MOSAIC ACQ CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171030	0	0	00X	NR	C
20171031	20171130	0	0	01	NR	P
20171201	20171207	0	0	01	NR	C
20171208	99999999	0	0	01	NR	N
20171208	99999999	17201	56115	03	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171030	0	0	00X	NR	C
20171031	20171130	0	0	01	NR	P
20171201	20171207	0	0	01	NR	C
20171208	20200131	0	0	01	NR	N
20171208	20200120	17201	56115	03	LC	P

GVKEY 6233 SCULLY ROYALTY LTD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19760101	19810330	0	0	00X	NR	C
19810331	19970513	0	0	02	NR	C
19970514	99999999	84820	15468	02	LC	C
19891229	19970513	0	0	02C	NR	N
19970514	20100228	84820	15468	02C	LX	N
20100301	20150331	84820	15468	02C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19760101	19810330	0	0	00X	NR	C
19810331	19970513	0	0	02	NR	C
19970514	99999999	84820	15468	02	LC	C
19900430	19970513	0	0	02C	NR	N
19970514	19970731	84820	15468	02C	LX	N

GVKEY 110728 INTERPACE BIOSCIENCES INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980519	0	0	00X	NU	C
19980520	99999999	86083	16119	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19980519	0	0	00X	NR	C
19980520	99999999	86083	16119	01	LC	P

GVKEY 177472 NOBILIS HEALTH CORP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20070530	0	0	00X	NR	C
20111130	20150331	0	0	01	NR	N
20150401	20150416	0	0	01	NR	P
20150417	20190904	15324	55243	01	LC	P
20070531	20150331	0	0	01C	NR	C
20150401	20150416	0	0	01C	NR	N
20150417	99999999	15324	55243	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20070530	0	0	00X	NR	C
20111130	20150331	0	0	01	NR	N
20150401	20150416	0	0	01	NR	C
20150417	20190903	15324	55243	01	LC	C
20190904	99999999	0	0	01	NR	C
20070531	20150331	0	0	01C	NR	C
20150401	20150416	0	0	01C	NR	N
20150417	20161230	15324	55243	01C	LX	N

GVKEY 8867 QUANTUM CORP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810401	19831229	0	0	00X	NR	C
19831230	19990731	65024	5722	01	LU	P
19990801	19990831	65024	5722	01	LU	J
19990730	19990731	0	0	02	NU	J
19990801	19990803	0	0	02	NU	P
19990804	99999999	87043	5722	02	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19810401	19831229	0	0	00X	NR	C
19831230	19990731	65024	5722	01	LC	P
19990801	19990831	65024	5722	01	LC	J
19990730	19990731	0	0	02	NR	J
19990801	19990803	0	0	02	NR	P
19990804	20190114	87043	5722	02	LC	P
20190115	99999999	0	0	02	NR	P

OCTOBER 2019 NEW DATA ITEMS

Listed in the table 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
DILADJ_DC	DILUTION ADJUSTMENT DATA CODE	1	STD	INDUSTRIAL FORMAT, CONSOLIDATED INFORMATION, STANDARDIZED PRESENTATION

OCTOBER 2019 LINK EDITS**GVKEY 8539 EXELON CORP****OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	21776	21396	00X	LC	C
19620131	99999999	21776	21396	01	LC	P
19980430	20060131	0	0	02	NR	J
19980430	20060131	0	0	03	NR	J
19980430	20060131	0	0	04	NR	J
19980430	20060131	0	0	05	NR	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	19620227	0	0	01	NR	P
19620228	99999999	21776	21396	01	LC	P
19980430	20060131	0	0	02	NR	J
19980430	20060131	0	0	03	NR	J
19980430	20060131	0	0	04	NR	J
19980430	20060131	0	0	05	NR	J

GVKEY 18660 EP ENERGY CORP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20140116	0	0	00X	NR	C
20140117	99999999	14392	54697	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20130101	20140116	0	0	00X	NR	C
20140117	20190430	14392	54697	01	LC	P
20190501	99999999	0	0	01	NR	P

GVKEY 23069 PROSHARES ULTRSH GOLD MINERS**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20150101	20150212	0	0	00X	NR	C
20150213	20190806	15207	50846	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20150101	20150212	0	0	00X	NR	C
20150213	20190731	15207	50846	01	LS	P
20190801	99999999	0	0	01	NR	P

GVKEY 35161 ADYNXX INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190506	99999999	14420	54712	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190506	20190531	14420	54712	01	LC	P
20190601	99999999	0	0	01	NR	P

GVKEY 188856 FRANCHISE GROUP INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060501	20120628	0	0	00X	NR	C
20120629	20120701	0	0	01	NR	P
20120702	99999999	13537	54155	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060501	20120628	0	0	00X	NR	C
20120629	20120701	0	0	01	NR	P
20120702	20190714	13537	54155	01	LC	P
20190715	99999999	0	0	01	NR	P

SEPTEMBER 2019 LINK EDITS**GVKEY 160375 STEREO TAXIS INC**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990101	20040811	0	0	00X	NR	C
20040812	99999999	90325	45488	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19990101	20040811	0	0	00X	NR	C
20040812	20160729	90325	45488	01	LC	P
20160730	99999999	0	0	01	NR	P

AUGUST 2019 LINK EDITS**GVKEY 032629 USAA CORE SHRT TERM BOND ETF**

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20171026	99999999	17028	56113	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171025	0	0	00X	NR	C
20171026	20190628	17028	56113	01	LS	P
20190701	99999999	18819	54950	01	LS	P

GVKEY 032628 USAA EMRG MKTS VAL BL ETF

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171025	0	0	00X	NR	C
20171026	99999999	17027	56113	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171025	0	0	00X	NR	C
20190629	20190630	0	0	00X	NR	C
20171026	20190628	17027	56113	01	LS	P
20190701	99999999	18820	54950	01	LS	P

GVKEY 32630 USAA MSCI US VAL MMT BLN ETF**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20171026	99999999	17024	56113	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171025	0	0	00X	NR	C
20171026	20190628	17024	56113	01	LS	P
20190701	99999999	18823	54950	01	LS	P

GVKEY 32631 USAA INT VAL MMNTM BLND ETF**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20171026	99999999	17026	56113	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171025	0	0	00X	NR	C
20171026	20190628	17026	56113	01	LS	P
20190701	99999999	18821	54950	01	LS	P

GVKEY 32632 USAA SML CP VAL MMTM BLN ETF**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20171026	99999999	17025	56113	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20170101	20171025	0	0	00X	NR	C
20171026	20190628	17025	56113	01	LS	P
20190701	99999999	18822	54950	01	LS	P

GVKEY 17628 EMERGE ENERGY SERVICES LP**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20130508	0	0	00X	NR	C
20130509	99999999	13895	54391	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20130508	0	0	00X	NR	C
20130509	20190530	13895	54391	01	LC	P
20190531	99999999	0	0	01	NR	P

GVKEY 30398 FALCONSTOR SOFTWARE INC**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940627	0	0	00X	NU	C
19940628	20010822	80652	13180	01	LC	P
20010823	99999999	89099	13180	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940627	0	0	00X	NU	C
19940628	20010822	80652	13180	01	LC	P
20010823	20170922	89099	13180	01	LC	P
20170923	99999999	0	0	01	NR	P

GVKEY 185377 COLUMBIA INDIA INFRASTRUCTR**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100811	20190628	12047	53146	01	LS	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20100811	20190614	12047	53146	01	LS	P
20190615	99999999	0	0	01	NR	P

CHANGES

For subscribers of the existing CCM database, changes to organization of the data has been kept to a minimum. Reviewing the data at the level of detail required to create these files benefits all subscribers through data corrections and cleanup.

CRSP AND COMPUSTAT LINKING

Files include PERMNO and PERMCO fields already associated with GVKEYs and IIDs. Linking information is available for details, but the work is done!

METADATA FILES

Metadata files are included with the SAS, ASCII and R formats:

- D_ItemInfo
- D_FileInfo
- D_ItemRelationship

- D_ItemDensity
- D_KeysetInfo
- D_CommonItems
- D_FiscalPeriod

DATA ITEM NAMES & DESCRIPTIONS

Item Names have been cleaned. Names exceeding field width have been shortened using conventions. Names are no longer truncated. Typographical errors have been corrected. CRSP has made every effort to make item names match those that are provided by Compustat.

MNEMONICS

CRSP database structure requires that no itemids or mnemonics are duplicated. In cases where there are duplicates, CRSP has modified the mnemonic used to identify the item.

- idx_ Prefixes - all quarterly and annual index items mnemonics have been prepended with “idx_”
- sec_ Prefixes – Three items in the SecurityTimeSeriesData table have had prefixes added in order to retain uniqueness:
 - sec_curcdq – ISO Currency Code
 - sec_nisa – Net Income (Loss)
 - sec_nisa_dc – Net Income (Loss) Data Code

TABLE ORGANIZATION

- Annual Balance Sheet data is split into two files:
 - Bal Ann Indl (Industrial)
 - Bal Ann Fin (Financial Services)
- Income Statement Annual is split into two files:
 - IS Ann Indl (Industrial)
 - IS Ann Fin (Financial Services)
- New groups
 - Annual Data – group Index Annual is new. All items are prefixed with IDX_*
 - Quarterly Data – group Index Quarterly is new. All items are prefixed with IDX*_

REFERENCE FILES

Most Compustat reference codes have been consolidated into three files, and eight remained as stand-alone files.

- ReferenceCodes - Reference Codes
 - Accounting Standard
 - Acquisition Method
 - Bal Sheet Presentation
 - Company Status
 - Comparability Status
 - Country
 - Data Code
 - Data Format
 - Dividend Tax Marker
 - Exchange Rate Type
 - Footnote
 - IC Auditor Opinion
 - Income Statement Model
 - Industry Format
 - Industry Presentation
 - Issue Status Alert
 - Issue Type
 - Level of Consolidation

- MIC Reference
- Note Type
- Officer Certification
- Officer Title
- Oil & Gas Method
- Reason for Deletion
- Sec Fin Ann Footnote
- State/Province
- Status Alert
- Stock Ownership
- ReferenceNumbers – Reference Numbers
 - Auditor
 - Auditor Opinion
 - Cash Flow Format
 - Inventory Valuation
 - Price Status
 - S&P Economic Sector
 - S&P Industry Sector
 - Source Document
 - Stock Exchange
 - Update
- ReferenceNumberswithStatus – Reference Numbers with Status
 - Fortune Industry
 - NAICS
 - S&P Industry Index
 - S&P Major Index
 - SIC
- ReferenceConstituents - Constituents
- ReferenceExchchangeTier - Exchange Tier
- ReferenceFootnote - Footnote
- ReferenceGICS - GICS
- ReferenceIndex - Index
- ReferenceMajorIndexes - Major Index
- ReferenceMarketHoliday - Market Holidays
- ReferenceNoteSubtype - Note Subtype

FISCAL PERIOD DATE CONVENTIONS

Format of date items used to access fiscal data has changed. YYYY.Q, where Q identifies quarter 1-4, is now presented as and integer YYYYQ. This change allows for this to be a more efficient relational database key for joining tables.

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

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.](#)