

COMPUSTAT Additional Files

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Business Descriptions File

This file contains textual descriptions of COMPUSTAT companies compiled by Standard & Poor's analysts. Each record contains 3 fields: Permanent Number, Delimiter, and Business Descriptions. There are approximately 15,000 Business Descriptions, and one record per company. The Permanent Number is a 6-digit, positive, right-aligned, and zero-padded number between 000000 and 999999. This file should be read as a binary file. If the text does not occupy the entire field, the remainder of the field is padded with trailing NULL characters (ASCII code 0). If the field is empty, the entire field will consist of NULL characters. Sentences within the text are separated by a space character (ASCII code decimal 32). Paragraphs within the text are separated by a linefeed character (ASCII code decimal 10). Note that linefeed is used as a separator, not a terminator (there is no linefeed after the paragraph). The delimiter is a space character (ASCII code decimal 32). This file is available via file transfer protocol (FTP) delivery.

Economic & Industry Sector File

The data in this file enables you to use current industry and economic sectors in your stock performance analysis to compare a company to its peers. This is a comma separated ASCII file that contains Company Permanent Number, Economic Sector Code, and Industry Sector Code. The sector codes are positive integers that will not exceed 9999. This file is available via file transfer protocol (FTP) delivery.

Value/Growth File

This file indicates whether a company is a value or growth stock, based on the company's price-to-book ratio compared to the median price-to-book ratio for its industry sector. The median is calculated using all active U.S. companies in the COMPUSTAT database. If the company's ratio is greater than or equal to the industry median, it is classified as a growth stock. If the company's ratio is less than the industry median, it is classified as a value stock. This is a comma delimited ASCII file. This file is available via file transfer protocol (FTP) delivery.

Code	Description
0	Value
1	Growth

COMPUSTAT
2/2000

Trends & Projections

This is a monthly publication which addresses current economic issues and forecasts economic trends. This file is available via electronic frame relay and diskette, and is currently only available in a PDF format. Adobe Acrobat must be used to load this file. A sample *Trends & Projections* publication is located at the end of this chapter. This file is available via file transfer protocol (FTP) delivery.

Index Fundamentals File

The file contains annual and quarterly fundamental data for the following indexes:

- S&P 1500 July 1996 forward
- S&P 500 1990 forward
- S&P 600 July 1996 forward
- S&P 400 July 1996 forward

Data is presented in millions of dollars. The data facilitates benchmarking and portfolio rebalancing. This file is available via file transfer protocol (FTP) delivery.

File Structure

The Annual file will contain a variable number of records per Index (depending on the number of years available) with a maximum of 20 years. Data will be available beginning in 1990. The data in the Annual file will be stored as historical (the population and data for that year will not change except for updates) as of December 31st for each year. The current year in process will contain data for the population of the indices for that week's production.

The Quarterly file will begin with fourth quarter 1997 and continue to grow. The data in the Quarterly file will be stored as historical as of each calendar quarter. The data in the Quarterly file represents the value of the index as of the quarter end, using the most current data available for the companies in that index at the time. The quarter in process will contain data for the population of

the indices for that week's production. Income statement and Cash Flow items will be the latest 12MM value.

File Format

The file is only available in ASCII format. The file will be produced in a fixed length, delimited format. The delimiter of choice will be a vertical-bar character (|). All decimal items in the file will contain the decimal point (.).

Items that are not available will be presented as -0.001 in the Annual and Quarterly files.

Daily Fundamentals, Name and Address, and Permanent Number/CUSIP Cross Reference

Record Format

The next pages provide the record formats for the following files: Daily Fundamentals, Name and Address and Permanent Number/CUSIP Cross Reference. These files are available via file transfer protocol (FTP) delivery.

Daily Fundamentals File

Position Number	Data Item Number	Data Item Name	Units (Company)	Precision	Data Type	Periodicity
1	SMBL	Stock Ticker Symbol		8	Character	Scalar
		Comma Delimiter		1	Character	
2	CONAME	Company Name		28	Character	Scalar
		Comma Delimiter		1	Character	
3	Perm#	Company Permanent Number		6	Character	Scalar
		Comma Delimiter		1	Character	
4	CNUM	CUSIP Issuer Code		6	Character	Scalar
		Comma Delimiter		1	Character	
5	CIC	CUSIP Issue Number and Check Digit		3	Character	Scalar
		Comma Delimiter		1	Character	
6	YEAR	Data Year		2	Numeric	Annual
		Comma Delimiter		1	Character	
7	UCODE	Update Code		1	Character	Annual
		Comma Delimiter		1	Character	
8	FYR	Fiscal Year Code		2	Character	Annual
		Comma Delimiter		1	Character	
9	A60	Common Equity	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
10	A25	Common Shares Outstanding	MM	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
11	A53	Earnings Per Share-Including Extraordinary Items	\$&¢	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
12	A58	Earnings Per Share-Excluding Extraordinary Items	\$&¢	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
13	A172	Net Income- Including Extraordinary Items	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
14	A18	Income Before Extraordinary Items	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	

Daily Fundamentals File (cont.)

Position Number	Data Item Number	Data Item Name	Units (Company)	Precision	Data Type	Periodicity
15	A233	Operating Earnings Per Share	\$&c	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
16	A12	Sales	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
17	A6	Total Assets	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
18	A27	Adjustment Factor-(Cumulative) by Ex Date	Ratio	12.6	Numeric	Annual
		Comma Delimiter		1	Character	
19	A41	Cost of Goods Sold	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
20	A189	Selling, General and Administrative Expense	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
21	A14	Depreciation	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
22	A13	Operating Income Before Depreciation	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
23	A178	Operating Income After Depreciation	MM\$	12.4	Numeric	Annual
		Comma Delimiter		1	Character	
24	SDBT	S&P Bond Rating-Senior		12.4	Numeric	Current
		Comma Delimiter		1	Character	
25	CSSPIN	S&P Index Constituent Markers		12.4	Numeric	Current
		Comma Delimiter		1	Character	
26	XREL	S&P Industry Index Code		12.4	Numeric	Current
		Comma Delimiter		1	Character	
27		Data Year		2	Numeric	Quarterly
		Comma Delimiter		1	Character	
28		Data Quarter		1	Numeric	Quarterly
		Comma Delimiter		1	Character	

Daily Fundamentals File (cont.)

Position Number	Data Item Number	Data Item Name	Units (Company)	Precision	Data Type	Periodicity
29		Update Code		1	Character	Quarterly
		Comma Delimiter		1	Character	
30		Fiscal Year Code		2	Character	Quarterly
		Comma Delimiter		1	Character	
31	Q27	12 MM Earnings Per Share Excl Extraordinary Items	\$&c	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
32	Q59	Common Equity	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
33	Q61	Common Shares Outstanding	MM	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
34	Q11	Earnings Per Share-Including Extraordinary Items	\$&c	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
35	Q19	Earnings Per Share-Excluding Extraordinary Items	\$&c	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
36	Q69	Net Income	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
37	Q8	Income Before Extraordinary Items	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
38	Q177	Operating Earnings Per Share	\$&c	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
39	Q2	Sales	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
40	Q44	Total Assets	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
41	Period Descriptor	Earnings Report Date		12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
42	Q16	Dividends Per Share-Exdate	\$&c	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	

Daily Fundamentals File (cont.)

Position Number	Data Item Number	Data Item Name	Units (Company)	Precision	Data Type	Periodicity
43	Q17	Adjustment Factors-(Cumulative) by Ex Date	Ratio	12.6	Numeric	Quarterly
		Comma Delimiter		1	Character	
44	Q178	Operating Earnings Per Share-12MM	\$&c	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
45	Q30	Cost of Goods Sold	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
46	Q1	Selling, General and Administrative Expense	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
47	Q5	Depreciation	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
48	Q21	Operating Income Before Depreciation	MM\$	12.4	Numeric	Quarterly
		Comma Delimiter		1	Character	
49	PDE	Cumulative Adjustment Factor-Ex Date		12.6	Numeric	Monthly
		Comma Delimiter		1	Character	
50	PDE	Raw Adjustment Factor (Current Period +1)		12.6	Numeric	Monthly
		Comma Delimiter		1	Character	
51	SOURCE	Source Document Code		2	Character	Annual
		Comma Delimiter		1	Character	
52	SOURCE DOCUMENT CODE	Source Document Code		2	Character	Quarterly

Annual File Index

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
	13 Character Key (DNUM & CUSIP)	Character	1	13	14
	S & P Permanent Number	Character	15	6	21
	Stock Ticker Symbol	Character	22	8	30
	Index Name	Character	31	28	59
	Year	Integer	60	4	64
	Fiscal Year-end Month of Data	Integer	65	2	67
N/A	Number of Companies	Integer	68	4	72
N/A	Percent of Equity Reporting	Integer	73	3	76
Annual Data Items					
1	Cash Equivalents	Decimal	77	12	89
2	Total Receivables	Decimal	90	12	102
3	Inventories	Decimal	103	12	115
68	Other Current Assets	Decimal	116	12	128
4	Total Current Assets	Decimal	129	12	141
161	Income Tax Refund	Decimal	142	12	154
8	Net PP&E	Decimal	155	12	167
31	Inv. & Adv. To Uncons. Subs.	Decimal	168	12	180
33	Intangibles	Decimal	181	12	193
69	Other Assets	Decimal	194	12	206
6	Total Assets	Decimal	207	12	219
27	Adjustment Factor	Decimal	220	12	232
34	Debt in Current Liabilities	Decimal	233	12	245
44	Debt Due in One Year	Decimal	246	12	258
206	Notes Payable	Decimal	259	12	271
70	Accounts Payable	Decimal	272	12	284
71	Income Tax Payable	Decimal	285	12	297
153	Accrued Expenses	Decimal	298	12	310
72	Other Current Liabilities	Decimal	311	12	323
5	Total Current Liabilities	Decimal	324	12	336
9	Long Term Debt	Decimal	337	12	349

Annual File Index (cont.)

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
35	Deferred Taxes & Investment Tax Credit	Decimal	350	12	362
74	Deferred Income Tax	Decimal	363	12	375
208	Investment Tax Credit	Decimal	376	12	388
38	Minority Interest	Decimal	389	12	401
75	Other Liabilities	Decimal	402	12	414
181	Total Liabilities	Decimal	415	12	427
130	Total Preferred Stock	Decimal	428	12	440
85	Common Stock	Decimal	441	12	453
210	Capital Surplus	Decimal	454	12	466
36	Retained Earnings	Decimal	467	12	479
88	Less Treasury Stock	Decimal	480	12	492
60	Common Equity	Decimal	493	12	505
216	Stockholders Equity	Decimal	506	12	518
37	Invested Capital	Decimal	519	12	531
25	Shares Outstanding	Decimal	532	12	531
12	Sales	Decimal	545	12	544
41	Cost of Goods Sold	Decimal	558	12	557
189	Selling, General, & Administrative Expense	Decimal	571	12	583
13	Operating Income Before Depreciation	Decimal	584	12	596
14	Depreciation	Decimal	597	12	609
178	Operating Profit	Decimal	610	12	622
15	Interest Expense	Decimal	623	12	635
61	Non Operating Income	Decimal	636	12	648
17	Special Items	Decimal	649	12	661
16	Income Taxes	Decimal	662	12	674
49	Minority Interest	Decimal	675	12	687
172	Net Income	Decimal	688	12	700
18	Income Before Extraordinary Items	Decimal	701	12	713
19	Preferred Dividends	Decimal	714	12	726

Annual File Index (cont.)

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
191	\$ Savings-Common Stock Equivalents	Decimal	727	12	739
237	Income Available for Common	Decimal	740	12	752
170	Pretax Income	Decimal	753	12	765
20	Income Before Extraordinary Items & Discontinued Operations – Adj for CSE	Decimal	766	12	778
58	EPS Excl	Decimal	779	12	791
53	EPS Incl	Decimal	792	12	804
233	EPS from Operations	Decimal	805	12	817
125	Depreciation and Amortization – SCF	Decimal	818	12	830
128	Capital Expenditures	Decimal	831	12	843
308	Operating Activities – Net Cash Flow	Decimal	844	12	856
311	Investing Activities – Net Cash Flow	Decimal	857	12	869
313	Financing Activities – Net Cash Flow	Decimal	870	12	882
107	Sale of Property, Plant, and Equipment	Decimal	883	12	895
127	Cash Dividends	Decimal	896	12	908
108	Sale of Common and Preferred Stock	Decimal	909	12	921
Annual Weighted Average Ratios					
N/A	Current Ratio	Decimal	922	12	934
N/A	Quick Ratio	Decimal	935	12	947
N/A	Debt to Total Assets (%)	Decimal	948	12	960
N/A	Debt to Total Equity (%)	Decimal	961	12	973
N/A	Debt to Total Capital (%)	Decimal	974	12	986
N/A	Inventory Turnover	Decimal	987	12	999
N/A	Total Asset Turnover	Decimal	1000	12	1012
N/A	Profit Margin (%)	Decimal	1013	12	1025
N/A	Return on Total Assets (%)	Decimal	1026	12	1038
N/A	Receivables Turnover	Decimal	1039	12	1051
N/A	Average Collection Period (Days)	Decimal	1052	12	1064
N/A	Days to Sell Inventory	Decimal	1065	12	1077
N/A	Operating Cycle (Days)	Decimal	1078	12	1090

Annual File Index (cont.)

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
N/A	Return on Equity	Decimal	1091	12	1103
N/A	Return on Investments	Decimal	1104	12	1116
N/A	Return on Average Assets	Decimal	1117	12	1129
N/A	Return on Average Equity	Decimal	1130	12	1142
N/A	Return on Average Investment	Decimal	1143	12	1155
N/A	Interest Coverage Before Tax	Decimal	1156	12	1168
N/A	Interest Coverage After Tax	Decimal	1169	12	1181
N/A	Dividend Payout	Decimal	1182	12	1194
N/A	Gross Operating Margin	Decimal	1195	12	1207
N/A	Dividend Yield	Decimal	1208	12	1220
N/A	PE	Decimal	1221	12	1233
N/A	Market to Book	Decimal	1234	12	1246

Quarterly File Index

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
	13 Character Key (DNUM & CUSIP)	Character	1	13	14
	S & P Permanent Number	Character	15	6	21
	Stock Ticker Symbol	Character	22	8	30
	Index Name	Character	31	28	59
	Data Year	Integer	60	4	64
	Data Quarter	Integer	65	1	66
	Fiscal Year-end Month of Data	Integer	67	2	69
	Number of Companies	Integer	70	4	74
	Percent of Equity Reporting	Integer	75	3	78
Quarterly Data Items					
36	Cash Equivalents	Decimal	79	12	91
37	Total Receivables	Decimal	92	12	104
38	Inventories	Decimal	105	12	117
39	Other Current Assets	Decimal	118	12	130
40	Total Current Assets	Decimal	131	12	143
42	Net PP&E	Decimal	144	12	156
43	Other Assets	Decimal	157	12	169
44	Total Assets	Decimal	170	12	182
17	Adjustment Factor	Decimal	183	12	195
45	Debt in Current Liabilities	Decimal	196	12	208
46	Accounts Payable	Decimal	209	12	221
47	Income Tax Payable	Decimal	222	12	234
48	Other Current Liabilities	Decimal	235	12	247
	Total Current Liabilities	Decimal	248	12	260
51	Long Term Debt	Decimal	261	12	273
52	Deferred Income Tax & Investment Tax Credit	Decimal	274	12	286
53	Minority Interest	Decimal	287	12	299
50	Other Liabilities	Decimal	300	12	312
54	Total Liabilities	Decimal	313	12	325
55	Total Preferred Stock	Decimal	326	12	338

Quarterly File Index (cont.)

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
56	Common Stock	Decimal	339	12	351
57	Capital Surplus	Decimal	352	12	364
58	Retained Earnings	Decimal	365	12	377
98	Less Treasury Stock	Decimal	378	12	390
59	Common Equity	Decimal	391	12	403
60	Stockholders Equity	Decimal	404	12	416
62	Invested Capital	Decimal	417	12	429
61	Shares Outstanding	Decimal	430	12	442
2	Sales	Decimal	443	12	455
30	Cost of Goods Sold	Decimal	456	12	468
1	Selling, General & Administrative Expense	Decimal	469	12	481
21	Operating Income Before Depreciation	Decimal	482	12	494
5	Depreciation	Decimal	495	12	507
N/A	Operating Profit	Decimal	508	12	520
22	Interest Expense	Decimal	521	12	533
31	Non Operating Income	Decimal	534	12	546
32	Special Items	Decimal	547	12	559
6	Income Taxes	Decimal	560	12	572
3	Minority Interest	Decimal	573	12	585
69	Net Income	Decimal	586	12	598
8	Income Before Extraordinary Items	Decimal	599	12	611
24	Preferred Dividends	Decimal	612	12	624
	\$ Savings-Common Stock Equivalents	Decimal	625	12	637
25	Income Available for Common	Decimal	638	12	650
23	Pretax Income	Decimal	651	12	663
10	Income Before Extraordinary Items & Discontinued Operations – Adj for CSE	Decimal	664	12	676
19	EPS Excl	Decimal	677	12	689
11	EPS Incl	Decimal	690	12	702

Quarterly File Index (cont.)

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
177	EPS from Operations	Decimal	703	12	715
77	Depreciation and Amortization – SCF	Decimal	716	12	728
90	Capital Expenditures	Decimal	729	12	741
108	Operating Activities – Net Cash Flow	Decimal	742	12	754
111	Investing Activities – Net Cash Flow	Decimal	755	12	767
113	Financing Activities – Net Cash Flow	Decimal	768	12	780
102	Sale of Property, Plant, and Equipment	Decimal	781	12	793
89	Cash Dividends	Decimal	794	12	806
84	Sale of Common and Preferred Stock	Decimal	807	12	819
Quarterly Weighted Average Ratios					
N/A	Current Ratio	Decimal	820	12	832
N/A	Quick Ratio	Decimal	833	12	845
N/A	Debt to Total Assets (%)	Decimal	846	12	858
N/A	Debt to Total Equity (%)	Decimal	859	12	871
N/A	Debt to Total Capital (%)	Decimal	872	12	884
N/A	Inventory Turnover	Decimal	885	12	897
N/A	Total Asset Turnover	Decimal	898	12	910
N/A	Profit Margin (%)	Decimal	911	12	923
N/A	Return on Total Assets (%)	Decimal	924	12	936
N/A	Receivables Turnover	Decimal	937	12	949
N/A	Average Collection Period (Days)	Decimal	950	12	962
N/A	Days to Sell Inventory	Decimal	963	12	975
Operating Cycle (Days)		Decimal	976	12	988
N/A	Return on Equity	Decimal	989	12	1001
N/A	Return on Investments	Decimal	1002	12	1014
N/A	Return on Average Assets	Decimal	1015	12	1027
N/A	Return on Average Equity	Decimal	1028	12	1040
N/A	Return on Average Investment	Decimal	1041	12	1053

Quarterly File Index (cont.)

Data Item Number	Data Item Name	Data Type	Beginning Byte	Number of Bytes	Cumulative Bytes
N/A	Interest Coverage Before Tax	Decimal	1054	12	1066
N/A	Interest Coverage After Tax	Decimal	1067	12	1079
N/A	Gross Operating Margin	Decimal	1080	12	1092
N/A	Dividend Yield	Decimal	1093	12	1105
N/A	PE	Decimal	1106	12	1118
N/A	Market to Book	Decimal	1119	12	1131

Name and Address Header Record

Header Information	Code	Description	Beginning Byte	Number of Bytes	Cumulative Bytes
Blank		Blank	1	124	124
Header Record File Identification Code	94	Name & Address	125	2	126
Cutoff Date – Month	01-12	Month of year	127	2	128
Cutoff Date – Day	01-31	Day of month	129	2	130
Cutoff Date – Year	2-digit expression	Last two digits of year	131	2	132
Creation Date – Month	01-12	Month of year	133	2	134
Creation Date – Day	01-31	Day of month	135	2	136
Creation Date – Year	2-digit expression	Last two digits of year	137	2	138
Blank		Blank	139	4	142
Number of companies	5-digit expression	00000-65535	143	5	147
Previous Creation Date – Month	01-12	Month of year	148	2	149
Previous Creation Date – Day	01-31	Day of month	150	2	151
Previous Creation Date – Year	2-digit expression	Last two digits of year	152	2	153
Blank		Blank	154	5018	5171

Name and Address File

Description	Mnemonic	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
CUSIP Number	CUSIP#	Character	1	9	9
S & P Permanent Number	Perm#	Character	10	9	18
Company Name	Co. Name	Character	19	28	46
Street Address	Street Address	Character	47	39	85
Blank		Character	86	39	124
City	City	Character	125	24	148
State	State	Character	149	15	163
Zip Code	Zip Code	Character	164	10	173
Phone Number	Phone#	Character	174	14	187
Blank		Character	188	14	201
First Name 1	First Name 1	Character	202	20	221
Last Name 1	Last Name 1	Character	222	20	241
Title 1	Title 1	Character	242	39	280
First Name 2	First Name 2	Character	281	20	300
Last Name 2	Last Name 2	Character	301	20	320
Title 2	Title 2	Character	321	39	359
First Name 3	First Name 3	Character	360	20	379
Last Name 3	Last Name 3	Character	380	20	399
Title 3	Title 3	Character	400	39	438
First Name 4	First Name 4	Character	439	20	458
Last Name 4	Last Name 4	Character	459	20	478
Title 4	Title 4	Character	479	39	517
Blank		Character	518	158	675
Blank		Character	676	296	971
Blank		Character	972	4200	5171

Permanent Number/CUSIP Cross Reference File - Character ASCII Format

Full File Output

Description	Identification	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
S & P Permanent Number	Perm #	Character	1	8	8
Space Delimiter	Space Fill	Character	9	1	9
Company Name	Name	Character	10	28	37
Space Delimiter	Space Fill	Character	38	1	38
CUSIP Number	Cusno	Character	39	9	47
Space Delimiter	Space Fill	Character	48	1	48
Stock Ticker Symbol	Tickr	Character	49	8	56
Space Delimiter	Space Fill	Character	57	1	57
Deletion Month and Year	Deldta	Character	58	4	61
Space Delimiter	Space Fill	Character	62	1	62
Deletion Code	Delcd	Character	63	4	66

Permanent Number/CUSIP Cross Reference File - Character ASCII Format

Transactional File Output

Description	Identification	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
S & P Permanent Number	Perm #	Character	1	8	8
Space Delimiter	Space Fill	Character	9	1	9
Company Name	Name	Character	10	28	37
Space Delimiter	Space Fill	Character	38	1	38
Old CUSIP Number	Oldcus	Character	39	9	47
Space Delimiter	Space Fill	Character	48	1	48
New CUSIP Number	Newcus	Character	49	9	57
Space Delimiter	Space Fill	Character	58	1	58
Old Tic	Oldtic	Character	59	8	66
Space Delimiter	Space Fill	Character	67	1	67
New Tic	New Tic	Character	68	8	75
Space Delimiter	Space Fill	Character	76	1	76
Deletion Month and Year	Delta	Character	77	4	80
Space Delimiter	Space Fill	Character	81	1	81
Deletion Code	Delcd	Character	82	4	85
Line Feed	Line Feed	Character	86	1	86

Permanent Number/CUSIP Cross Reference File - IBM Format

Full File Output

Description	Identification	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
S & P Permanent Number	Perm #	Character	1	8	8
Company Name	Name	Character	9	28	36
CUSIP Number	Cusno	Character	37	8	44
CUSIP Check Digit	CIC4	Floating-point	45	4	48
Deletion Month and Year	Deldta	Character	49	4	52
Deletion Code	Delcd	Character	53	4	56

Transactional File Output

Description	Identification	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
S & P Permanent Number	Perm #	Character	1	8	8
Company Name	Name	Character	9	28	36
Old CUSIP Number	Oldcus	Character	37	8	44
Old CUSIP Check Digit	Oldcic	Floating-point	45	4	48
New CUSIP Number	Newcus	Character	49	8	56
New CUSIP Check Digit	Newcic	Floating-point	57	4	60
Deletion Month and Year	Delta	Character	61	4	64
Deletion Code	Delcd	Character	65	4	68