COMPUSTAT IBM 360/370 General File Formats

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Industrial Files

Several COMPUSTAT files are available in both annual and quarterly formats. The industrial annual formats offer both historical and restated data. The industrial quarterly formats offer restated data *as reported* by the company. The restated data allows analysts to compare current and prior years' results on a comparable basis and determine financial trends and growth rates. For most companies, annual and quarterly data is available for a maximum of 20 years and 48 quarters. The industrial files include the following:

Active Files
The *Primary, Supplementary, Tertiary File* contains the largest companies on the New York and American Stock Exchanges, including all companies comprising the S&P Industrial Index, and companies listed on major exchanges. The *Full Coverage File* contains NASDAQ National Market System companies, companies listed on regional exchanges, publicly held companies trading common stock, and wholly owned subsidiaries trading preferred stock or debt.

Canadian Files
The *Canadian File* contains more than 900 major Canadian industrial companies that report in Canadian currency.

Research Files
The *Industrial Research File* contains companies that have been deleted from the Primary, Supplementary, Tertiary, and Full Coverage files due to bankruptcy, acquisition or merger, leveraged buyout, or because they became private companies.

Back Data Files
Industrial files are also available for back periods. Annual back data is displayed from 1950 up to the current 20 year period. Quarterly back data is displayed from 1962 up to the current 48 quarter period.

Record Control Information

Annual

The IBM 360/370 General file format requires two records per company to present 350 data items for 20 years. Record 1 contains Data Items #1 through #175 for each of 20 years. Record 2 contains Data Items #176 through #350 for each of 20 years.

Each record contains 15,804 bytes of data. Eight bytes of block and record control information precede the data. Four bytes comprising the record descriptor word precede each record. Four bytes comprising the block descriptor word precede each block. The total block size is 15,812 bytes and the logical record length is 15,808 bytes.

The DCB may be written as:
DCB=(RECFM=VB,LRECL=15808,BLKSIZE=15812),LABEL=(,NL)

Quarterly

The IBM 360/370 General file format requires 12 records per company to present 232 data items for 48 quarters. Each record contains Data Items #1 through #232 for each of four quarters. Records are blocked in groups of three.

Each record contains 4,820 bytes of data. Four bytes comprising the record descriptor word precede each record. Four bytes comprising the block descriptor word precede each block. The logical record length is 4,824 bytes and the total block size is 14,476 bytes.

The DCB may be written as:
DCB=(RECFM=VB,LRECL=4824,BLKSIZE=14476),LABEL=(,NL)

Header Record

The header record format is identical to that of the company records. It is always the first record on the file and is identified by zeros in the CNUM field. This information is provided in the DATA field of the header record. Header records may contain default data. Quarterly header records have header record information in the first record only. The remaining two records will have default data.

Record Format

The next pages provide the technical specifications for header records and the complete industrial record formats for the Annual and Quarterly files.

Industrial Annual File
Header Record

Header Information	Code	Description	Beginning Byte	Number of Bytes	Cumulative Bytes
Blank		Blank	1	1804	1804
Header Record File Identification Code	35	Primary-Supplementary-Tertiary	1805	4	1808
	37	Full-Coverage			
	23	Canadian ($CAN)			
	89	Merged Research			
Cutoff Date – Month	01 - 12	Month of year	1809	4	1812
Cutoff Date – Day	01 - 31	Day of month	1813	4	1816
Cutoff Date – Year	2-digit expression	Last two digits of year	1817	4	1820
Creation Date – Month	01 - 12	Month of year	1821	4	1824
Creation Date – Day	01 - 31	Day of month	1825	4	1828
Creation Date – Year	2-digit expression	Last two digits of year	1829	4	1832
Blank		Blank	1833	8	1840
Number of Companies	5-digit expression	00000 – 65535	1841	4	1844
Previous Creation Date – Month	01 - 12	Month of year	1845	4	1848
Previous Creation Date – Day	01 - 31	Day of month	1849	4	1852
Previous Creation Date – Year	2-digit expression	Last two digits of year	1853	4	1856
Blank		Blank	1857	16	1872
Cutoff Date - Month	01-12	Month of year	1873	4	1876
Cutoff Date – Day	01-31	Day of month	1877	4	1880
Cutoff Date – Year	4-digit expression	4-Digit Year	1881	4	1884
Creation Date – Month	01-12	Month of year	1885	4	1888
Creation Date – Day	01-31	Day of month	1889	4	1892
Creation Date – Year	4-digit expression	4-Digit Year	1893	4	1896
Previous Creation Date – Month	01-12	Month of year	1897	4	1990
Previous Creation Date – Day	01-31	Day of month	1901	4	1904
Previous Creation Date – Year	4-digit expression	4-Digit Year	1905	4	1908
Blank			1909	13896	15804

Industrial Annual File
Company Record – Record 1

Description	Mnemonic	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
Industry Classification Code	DNUM	Floating-point	1	4	4
CUSIP Issuer Code	CNUM	Character	5	8	12
CUSIP Issue Number and Check Digit	CIC	Floating-point	13	4	16
Record Number	REC	Floating-point	17	4	20
File Identification Code	FILE	Floating-point	21	4	24
Exchange Listing and S&P Major Index Code	ZLIST	Floating-point	25	4	28
Industry Name	INAME	Character	29	28	56
Company Name	CONAME	Character	57	28	84
Stock Ticker Symbol	SMBL	Character	85	8	92
Fiscal Year-end Month of Data (20)	FYR	Floating-point	93	80	172
Data Year (20)	YEAR	Floating-point	173	80	252
S&P Industry Index Relative Code	XREL	Floating-point	253	4	256
Stock Ownership Code	STK	Floating-point	257	4	260
Duplicate File Code	DUP	Floating-point	261	4	264
Blank		Floating-point	265	60	324
Update Code (20)	UCODE	Floating-point	325	80	404
Data Footnotes (35,20)	AFTNT	Character	405	1400	1804
Data Array (175,20)	DATA	Floating-point	1805	14000	15804

Industrial Annual File
Company Record – Record 2

Description	Mnemonic	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
Industry Classification Code	DNUM	Floating-point	1	4	4
CUSIP Issuer Code	CNUM	Character	5	8	12
CUSIP Issue Code and Check Digit	CIC	Floating-point	13	4	16
Record Number	REC	Floating-point	17	4	20
File Identification Code	FILE	Floating-point	21	4	24
Company Location Code – State	STATE	Floating-point	25	4	28
Company Location Code – County	COUNTY	Floating-point	29	4	32
Incorporation Code – Foreign	FIC	Floating-point	33	4	36
Source Document Code (20)	SOURCE	Floating-point	37	80	116
Blank or Transaction Code (Trans only)		Character	117	2	118
Blank		Character	119	10	128
Employer Identification Number	EIN	Character	129	12	140
S&P Index Primary Marker	CPSPIN	Character	141	1	141
S&P Index Secondary Marker	CSSPIN	Character	142	2	143
S&P Index Subset Identifier	CSSPII	Character	144	1	144
S&P Long-Term Domestic Issuer Credit Rating – Current	SPDRC	Character	145	2	146
Footnote - S&P Long-Term Domestic Issuer Credit Rating – Current	SPDRCF	Character	147	2	148
S&P Subordinated Debt Rating – Current	SUBDBT	Character	149	2	150
S&P Short-Term Domestic Issuer Credit Rating – Current	SPCPRC	Character	151	3	153
4 Digit Data Year (20)		Floating-point	154	80	233
North American Industry Classification System	NAICS	Character	234	8	241
Blank		Character	242	163	404
Data Footnotes (20)	AFTNT	Character	405	1400	1804
Data Array (20)	DATA	Floating-point	1805	14000	15804

Industrial Quarterly File
Header Record 1

Header Information	Code	Description	Beginning Byte	Number of Bytes	Cumulative Bytes
Blank		Blank	1	628	628
Header Record File Identification Code	36	Primary-Supplementary-Tertiary	629	4	632
	43	Full-Coverage			
	25	Canadian ($CAN)			
	90	Merged Research			
Cutoff Date – Month	01 - 12	Month of year	633	4	636
Cutoff Date – Day	01 - 31	Day of month	637	4	640
Cutoff Date – Year	2-digit expression	Last two digits of year	641	4	644
Creation Date – Month	01 - 12	Month of year	645	4	648
Creation Date – Day	01 - 31	Day of month	649	4	652
Creation Date – Year	2-digit expression	Last two digits of year	653	4	656
Blank		Blank	657	8	664
Number of Companies	5-digit expression	00000 – 65535	665	4	668
Previous Creation Date – Month	01 - 12	Month of year	669	4	672
Previous Creation Date – Day	01 - 31	Day of month	673	4	676
Previous Creation Date – Year	2-digit expression	Last two digits of year	677	4	680
Blank		Blank	681	16	696
Cutoff Date – Month	01-12	Month of year	697	4	700
Cutoff Date – Day	01-31	Day of month	701	4	704
Cutoff Date – Year	4-digit expression	4-Digit Year	705	4	708
Creation Date – Month	01-12	Month of year	709	4	712
Creation Date – Day	01-31	Day of month	713	4	716
Creation Date – Year	4-digit expression	4-Digit Year	717	4	720
Previous Creation Date – Month	01-12	Month of year	721	4	724
Previous Creation Date – Day	01-31	Day of month	725	4	728
Previous Creation Date –Year	4-digit expression	4-Digit Year	729	4	732
Blank		Blank	733	4088	4820

Industrial Quarterly File
Header Record 2 & 3

Description	Type of Data	Default Data	Beginning Byte	Number of Bytes	Cumulative Bytes
Position 1	Floating Point	Zeros	1	4	4
Position 2	Character	Header and Trailer	5	8	12
(CUSIP)		Records have 6 Character Zeros and 2 Character Blanks			
Position 3	Floating Point	Zeros	13	4	16
Position 4	Floating Point	Zeros	17	4	20
Position 5	Floating Point	Header and Trailer	21	4	24
(Record Number)		Records have value of "1"			
Position 6	Floating Point	Zeros	25	4	28
Position 7	Floating Point	Zeros	29	4	32
Position 8	Character	Character Blanks	33	28	60
Position 9	Character	Character Blanks	61	28	88
Position 10	Character	Character Blanks	89	12	100
Position 11	Floating Point	Zeros	101	4	104
Position 12	Character	Character Blanks	105	8	112
Position 13	Floating Point	Zeros	113	4	116
Position 14	Floating Point	Zeros	117	4	120
Position 15	Floating Point	Zeros	121	4	124
Position 16	Floating Point	Zeros	125	4	128
Position 17	Floating Point	Zeros	129	4	132
Position 18	Floating Point	Zeros	133	4	136
Position 19	Character	Character Blanks	137	4	140
Position 20	Character	Character Blanks	141	56	196
Position 21 (19,4)	Floating Point	Zeros	197	368	564
Position 22 (8,4)	Character	Character Blanks	565	64	628
Position 23 (232,4)	Floating Point	Not Available Data codes	629	3712	4340
Position 24(60,4)	Character	Character Blanks	4341	480	4820

Industrial Quarterly File
Company Record – Complete Record Format

Description	Mnemonic	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
Industry Classification Code	DNUM	Floating-point	1	4	4
CUSIP Issuer Code	CNUM	Character	5	8	12
CUSIP Issue Number and Check Digit	CIC	Floating-point	13	4	16
Blank or Transaction Code (trans only)		Floating-point	17	4	20
Record Number	REC	Floating-point	21	4	24
File Identification Code	FILE	Floating-point	25	4	28
Duplicate File Code	DUP	Floating-point	29	4	32
Company Name	CONAME	Character	33	28	60
Industry Name	INAME	Character	61	28	88
Employer Identification Number	EIN	Character	89	12	100
Stock Ownership Code	STK	Floating-point	101	4	104
Stock Ticker Symbol	SMBL	Character	105	8	112
Exchange Listing and S&P Major Index Code	ZLIST	Floating-point	113	4	116
S&P Industry Index Relative Code	XREL	Floating-point	117	4	120
Incorporation Code – Foreign	FIC	Floating-point	121	4	124
Incorporation Code – State	INCORP	Floating-point	125	4	128
Company Location Code – State	STATE	Floating-point	129	4	132
Company Location Code – County	COUNTY	Floating-point	133	4	136
Canadian Index Code – Current	CANDXC	Character	137	4	140
North American Industry Classification System	NAICS	Character	141	8	148
Blank		Character	149	48	196
Period Descriptor Array (19, 4)		Floating-point	197	368	564
Period Footnote Array (8, 4)	QFTNT	Character	565	64	628
Data Array (232, 4)	DATA	Floating-point	629	3712	4340
Data Footnotes (60, 4)	AFTNT	Character	4341	480	4820

Industrial Quarterly File
Company Record – Company Descriptors

Description	Mnemonic	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
Industry Classification Code	DNUM	Floating-point	1	4	4
CUSIP Issuer Code	CNUM	Character	5	8	12
CUSIP Issue Number and Check Digit	CIC	Floating-point	13	4	16
Blank		Floating-point	17	4	20
Record Number	REC	Floating-point	21	4	24
File Identification Code	FILE	Floating-point	25	4	28
Duplicate File Code	DUP	Floating-point	29	4	32
Company Name	CONAME	Character	33	28	60
Industry Name	INAME	Character	61	28	88
Employer Identification Number	EIN	Character	89	12	100
Stock Ownership Code	STK	Floating-point	101	4	104
Stock Ticker Symbol	SMBL	Character	105	8	112
Exchange Listing and S&P Major Index Code	ZLIST	Floating-point	113	4	116
S&P Industry Index Relative Code	XREL	Floating-point	117	4	120
Incorporation Code – Foreign	FIC	Floating-point	121	4	124
Incorporation Code – State	INCORP	Floating-point	125	4	128
Company Location Code – State	STATE	Floating-point	129	4	132
Company Location Code – County	COUNTY	Floating-point	133	4	136
Canadian Index Code – Current	CANDX	Character	137	4	140
North American Industry Classification System	NAICS	Character	141	8	148
Blank		Character	149	48	196

Industrial Quarterly File
Company Record – Period Descriptor Array

Description	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
Period Descriptor Array (19, 4)	Floating-point	197	368	564
Data Year	Floating-point	197	4	200
Data Quarter	Floating-point	201	4	204
Fiscal Year-end Month of Data	Floating-point	205	4	208
Standard & Poor's COMPUSTAT Calendar Year	Floating-point	209	4	212
Standard & Poor's COMPUSTAT Calendar Quarter	Floating-point	213	4	216
Update Code	Floating-point	217	4	220
Blank	Floating-point	221	4	224
Source Document Code	Floating-point	225	4	228
S&P Long-Term Domestic Issuer Credit Rating	Floating-point	229	4	232
Blank	Floating-point	233	4	236
S&P Commercial Paper Rating	Floating-point	237	4	240
S&P Common Stock Ranking	Floating-point	241	4	244
S&P Major Index Code – Historical	Floating-point	245	4	248
S&P Industry Index Code – Historical	Floating-point	249	4	252
Report Date of Quarterly Earnings	Floating-point	253	4	256
Flow of Funds Statement Format Code	Floating-point	257	4	260
S&P Subordinated Debt Rating	Floating-point	261	4	264
Canadian Index Code	Floating-point	265	4	268
4-Digit Data Year	Floating-point	269	4	272
4-Digit SPC Calendar Year	Floating-point	273	4	276
Blank	Floating-point	277	12	288

Industrial Quarterly File
Company Record – Period Footnote Array

Description	Type of Data	Beginning Byte	Number of Bytes	Cumulative Bytes
Period Footnote Array (8, 4)	Character	565	64	628
Comparability Status	Character	565	2	566
Company Status Alert	Character	567	2	568
S&P Senior Debt Rating (Implied)	Character	569	2	570
Blank	Character	571	10	580