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China's Long-Term International Trade Statistics: by Commodity, 1952-1964 and 1981-2000

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1. Introduction

International trade has been a key engine driving Chinese economic growth in recent decades. Yet, long-term analyses of China's trade are still difficult because the country's trade statistics for the post-war period up to the mid-1980s have many shortcomings. For example, official customs statistics published by the Chinese government during this period, if they were published at all, do not provide any breakdown by commodity classification.

Against this background, we recently compiled new statistics of China's trade during 1952-1964 and 1981-2000 at the 3-digit level of the Standard International Trade Classification, Revision 1 (SITC-R1). The statistics for 1952-1964 and 1981-1987 are based on data we purchased from China's National Statistical Bureau.¹ The data for 1988-2000 are compiled from the Commodity Trade Statistics of the United Nations (UN Comtrade) as a part of our joint work with scholars at the Institute of Development Economics, Japan External Trade Organization (IDE-JETRO).² In this paper, we provide an overview of existing statistics of China's international trade and present our newly compiled statistics.

The paper is organized as follows. The next section provides a brief historical overview of China's official trade statistics and then describes China's official customs statistics today. Customs statistics were not published before 1984 (Custom statistics for the period after 1980 were published later). However, both Japanese IDE and American CIA have tried to estimate statistics for that period. We will explain these two set of estimates in Section 3. Section 4 reports our new trade statistics. Section 5 concludes with a discussion of remaining problems with the trade statistics we have compiled.

2. A brief history of China's trade statistics and description of customs statistics today

In China, Customs is responsible for the collection, compilation and dissemination of the

¹ The compilation of the statistics for 1952-64 and 1981-87 was conducted as a part of the Ministry of Education COE Program "Asia Long-Term Historical Statistical Database" headed by Konosuke Odaka of Hosei University.

² This work is partly funded by the Ministry of Education 21st Century COE Program "Research Unit for Statistical Analysis in Social Sciences" headed by Osamu Saito of Hitotsubashi University.

country's external merchandise trade statistics - known as Customs statistics. Customs statistics have a history of nearly 150 years, dating back to 1854. Since the founding of the People's Republic of China, along with the changes of China's economic and trade system, China's official trade statistics have undergone four stages of development as follows:

1949-1956: After the founding of the People's Republic of China in 1949, international trade was principally conducted by private companies until the mid-1950s. During this period Customs statistics, which were compiled by the General Administration of Customs, were the only kind of trade statistics in China. Like those in other countries, the customs statistics are based on importers' and exporters' customs declarations. But Customs statistics have not been made to public and only used within government or exchanged with some countries.

1957-1965: foreign trade was run exclusively by state-run trading companies during this period and there existed two kinds of trade statistics in China: customs statistics and *Foreign Trade Business Statistics* (FTBS). FTBS was based on reports from Chinese trade companies and was compiled by the Ministry of Foreign Trade and Economic Cooperation (now the Ministry of Commerce). Because FTBS were compiled mainly in order to monitor trading companies' activities and control China's international trade, they suffer from various shortcomings that make them unsuitable for international comparisons. For example, their coverage differ from the customs statistics of other countries and they contain neither data by country nor by commodity.

1966-1978: customs statistics were regarded redundant and discontinued during the "Cultural Revolution."

1979-present: Shortly after taking the open-door policy, the government decided to resume the customs statistics. The publication of Customs statistics was started in 1984. Customs statistics with detailed commodity classification is only available from the mid 1980s. Even aggregated level Customs statistics are available only for the period after 1980.

We now turn to a detailed description of the customs statistics.

1) Coverage

A detailed description of the coverage of China's customs statistics is provided in *The System of Chinese Customs Statistics*. There are two conditions for commodities to be recorded in custom statistic. The first is that the commodities must go through Chinese border. The second condition is that the movement of commodities must lead to increase or decrease in endowment of resources in China. It means that not only exports and imports of goods by economic transaction, but also goods transferred by foreign aid program, goods donated by compatriots in Hong Kong and Macau and Chinese with foreign citizenships are recorded in the customs statistics.

On the other hand, the following commodities are excluded from customs statistics:

- * Goods in transit that do not enter Chinese customs territory;
- * Temporary imports or exports of goods that are subsequently re-exported or re-imported within a specified period;
- * Goods on lease for a period of less than one year;
- * Goods carried into bonded warehouses;
- * Returned exported goods.

2) Valuation

Exports are valued on an FOB basis and imports on a CIF basis in the statistics.

3) Timing of recording

Exports and imports are recorded when they clear customs.

4) Commodity Classification

The commodity classification used in the customs statistics is provided in an official document entitled *Commodity Classification for China Customs Statistics* (CCCS). The CCCS was based on the Standard International Trade Classification Revision 2 in 1980-1991 and since then has been based on the Harmonized Commodity Description and Coding System (HS). Commodity codes in the CCCS consist of 8 digits. The first 6 digits in the current CCCS are identical to the codes in the HS, while the last 2 digits is a China-specific sub-heading for the purpose of tariff, trade statistics and trade policy measures.

5) Identification of trade partner countries and regions in the customs statistics

Partner countries are identified following international conventions, with the country of origin being recorded for imports and the country of final destination being recorded for exports. The country of origin is the country in which goods have been cultivated, mined or manufactured. If two or more countries were involved in the making of the product, the place where the last substantial work or processing occurred is recorded as the country of origin. The country of final destination refers to the country in which the goods are consumed, utilized or further processed or manufactured. When the final destination cannot be identified, the last country or region to which the goods are shipped is considered as the country of destination.

An important issue related to the identification of partner countries is that statistics on bilateral trade flows recorded in China and the partner country are inconsistent. For example, in many years, Chinese customs statistics report a deficit in the country's trade with Japan, while Japanese trade statistics show Japan has a deficit in its trade with China. Similar discrepancies can be found in China's trade with the United States and probably other countries as well. According to Chinese customs statistics, China recorded a trade deficit with the U.S. before 1992, while U.S. trade statistics show a large American trade deficit with China. Chinese customs statistics show a surplus for China in its trade with the U.S. from 1993 onward, but the amount is much smaller than the deficit by the U.S. in its trade statistics.

There are several factors which are likely to contribute to the large discrepancies between China's trade statistics and those of Japan or the United States. These factors include the fact that in the statistics of each country, exports and imports are recorded on an FOB and CIF basis, differences in the timing of recording, transit trade, and statistical errors. Among these, probably the most important factor is the transit trade via Hong Kong. Before China's economic liberalization and opening up to the outside world, most Chinese trade, including that with Japan and the U.S., passed through Hong Kong. And Hong Kong's role as the dominant entrepot for China's trade continued for a while even after the reforms. Goods that are exported from China to Japan via Hong Kong are treated in Chinese customs statistics as exports to Hong Kong if the final destination is unknown, while custom statistics in Japan may identify the same goods as originating from China. Similarly, in the case of goods that are exported from Japan to China via Hong Kong, Chinese customs statistics will record these goods as originating from Japan, while Japanese customs will treat as the Hong Kong as the final destination if they do not know that the goods will be shipped on to China. Thus, the main reason for the discrepancies appears to be difficulties in correctly identify the final des-

tinuation of exports as a result of their transit via Hong Kong. The same problem, of course, also explains the discrepancies between China's trade statistics and those of the U.S. as well as other countries.

3. Previous estimates of China's trade statistics for the period before the mid-1980s

Customs statistics were not published before 1984. The only Chinese statistics available for that period are the unreliable FTBS. However, both Japanese IDE and American CIA have tried to estimate statistics for that period. So we will explain these two set of estimates in this section.

Since the late 1950s, estimation of Chinese trade, based on data from its partner trade, was started in Japan and US. In Japan the Institute of Development Economics (IDE) started estimating Chinese trade for every two year from 1964 to 1978. After Chinese official customs statistics is published, IDE made estimation for period of 1979 through 1983, with intention of checking how accurate its estimates were (IDE, 1987). In US Central Intelligence Agency (CIA) estimated China's exports and imports by commodity for several years before China made the customs statistics public (Directorate of Intelligence, Central Intelligence Agency, 1984).

A comparison of the methodologies employed by the IDE and the CIA estimation of China's trade statistics is provided in Table 1. The two estimates have much in common: both are based on trade data provided by China's trading partner countries and the data come from similar sources, namely the trade statistics compiled by the UN, the OECD and individual countries. The classification of commodities is also the same, i.e. SITC-R1. The statistics, however, differ in many other respects, such as the number of Chinese partner countries used in the estimation, the valuation of exports and imports, the years covered, the degree of details, etc.

Table 1: A comparison of IDE and CIA estimation methods of Chinese Trade

	Method	Data sources	Coverage of partner countries	Classification of commodities	Valuation	Time period estimated	Data estimated	Limitations
IDE estimation	Exports are estimated by aggregating the imports of China's trade partner countries. Imports are estimated by aggregating the exports of China's trade partner countries.	Data from OECD, UN and individual trade partner countries.	Differ over time and incomplete due to data availability.	SITC Rev.1	CIF for exports and FOB for imports.	Every two years for the period 1964-1978 and every year for the period 1979-1983	(1) Total exports and imports, (2) their composition by partner country, (3) their composition by commodity; (4) exports and imports by country and commodity, (5) exports and imports by commodity and country.	(1) Poor coverage of partner countries; (2) CIF for exports and FOB for imports; (3) no adjustment for trade through third countries.
CIA estimation	The same as in the IDE estimation. In addition, values are estimated for countries of which trade data with China is not available.	Wider coverage than the IDE estimation.	Relatively better coverage as a result of estimation for countries of which trade data with China is not available.	SITC Rev.1	FOB for both exports and imports.	1970, 1975, and 1978-1982.	(1) Exports and imports for each first-digit SITC-R1 category, (2) exports and imports for some three-digit SITC-R1 category.	Data is less detailed relative to the IDE estimates.

The IDE estimates have many weaknesses, as the IDE has emphasized itself. These weaknesses include: (1) incomplete coverage of China's trading partners, leading to an under-

estimation of both exports and imports; (2) the valuation of Chinese exports on a CIF basis and imports on an FOB basis; (3) the failure to take transactions through third countries into account. The drawback of the CIA estimates when compared with those of the IDE are that (1) they include fewer years of estimation; (2) data on some of China's partner countries are not available; and (3) commodities are classified at a relatively aggregated level.

It is interesting to compare the export and import data estimated by the IDE and the CIA with official Chinese statistics, which were subsequently made public. A comparison, however, is feasible only at a relatively aggregated level of commodity classification.

The results of this exercise are shown in Table 2. Several points emerge from the Table. First, the three statistics are closer in exports than in imports. For instance, the ratio of the CIA's estimate of total exports to the official figure is 0.977 for 1981 and 1.052 for 1982. The closeness is somewhat surprising in light of the large potential for discrepancies between the two statistics due to differences in the time transactions were recorded, statistical errors, etc.

Table 2: A comparison of official Chinese customs statistics and CIA estimates

Year	Total exports and imports (Unit : 1,000US\$)						Ratio					
	Exports			Imports			Exports			Imports		
	CN	IDE	CIA	CN	IDE	CIA	IDE/CN	CIA/CN	CIA/IDE	IDE/CN	CIA/CN	CIA/IDE
1970	2,260,000	1,970,299	2,163,125	2,330,000	1,891,600	2,051,141	0.872	0.957	1.098	0.812	0.880	1.084
1971	2,640,000			2,200,000								
1972	3,440,000	2,962,129		2,860,000	2,359,337		0.861			0.825		
1973	5,820,000			5,160,000								
1974	6,950,000	6,013,119		7,620,000	6,219,249		0.865			0.816		
1975	7,260,000		7,120,634	7,490,000		6,818,344		0.981			0.910	
1976	6,850,000	6,607,584		6,580,000	5,042,083		0.965			0.766		
1977	7,590,000			7,210,000								
1978	9,750,000	9,704,614	10,169,520	10,890,000	9,213,163	10,331,095	0.995	1.043	1.048	0.846	0.949	1.121
1979	13,660,000	13,621,437	13,458,490	15,670,000	13,507,202	14,363,772	0.997	0.985	0.988	0.862	0.917	1.063
1980	18,270,000	18,505,150	18,874,962	19,550,000	17,889,770	19,179,615	1.013	1.033	1.020	0.915	0.981	1.072
1981	22,007,330	20,642,530	21,495,795	22,014,420	16,314,550	17,948,852	0.938	0.977	1.041	0.741	0.815	1.100
1982	22,347,920	20,420,820	23,501,229	19,292,990	14,572,820	16,632,964	0.914	1.052	1.151	0.755	0.862	1.141
1983	22,226,410	19,876,320		21,389,610	16,317,610		0.894			0.763		

Notes: (1) CN stands for Chinese official statistics; IDE and CIA stand for IDE and CIA estimates, respectively;

(2) Chinese official statistics are from administrative reports for the years 1970-1980 and from customs statistics for the years after 1981.

Second, the gap between imports in official Chinese statistics and CIA estimates is relatively small, but there are large gaps between the IDE estimates and the other two statistics. IDE estimates of total imports are well below official Chinese statistics, especially in the later years. Two factors contribute to this discrepancy. One is the valuation of exports and imports: Official Chinese statistics use CIF to measure imports, while the CIA converted FOB data to CIF data using information on trade cost; in contrast, IDE valued imports on an FOB basis. The second factor is that official customs statistics cover all, or nearly all, trading partners, while the IDE estimates do not include a number of trading partners due to problems with data availability. The CIA estimates also tend to underestimate Chinese total imports when compared with the official customs statistics, but the gap is much smaller than in the IDE estimation. It seems that the closeness of the CIA estimates to China's customs statistics, relative to the IDE estimates, mainly is the result of the better coverage of trade partners in the CIA estimation.

Third, the discrepancy between both the IDE and CIA estimates and official statistics for the period before 1980 is very similar to that for period after 1981 in terms of magnitude and the direction of the discrepancy, indicating that the figures of total exports and imports based on FTBS are reliable.

4. New Database on China's Trade: by Commodity

In order to solve various problems with China's existing trade statistics, we newly construct a database for China's trade during the periods 1952-1964 and 1981-2000. We use the SITC-R1 (3-digit level) for the classification of commodities. The sources and the method of constructing the database are as follows.

1) 1952-1964

We obtained the original data of China's Customs statistics from the National Bureau of Statistics of China. The statistics are classified on the basis of China's original industry code at the most disaggregated level. We aggregated the original data into SITC-R1 classification (3-digit level), using our own concordance table for China's Customs statistics and SITC-R1.³

2) 1981-1987

We obtain the original data of China's Customs statistics from the National Bureau of Statistics of China classified according to the SITC-R2 (6-digit level). The data are aggregated into SITC-R1 classifications at the 3-digit level (using the concordance table developed by IDE).

3) 1988-2000

For the period 1988-2000 we rely on the database constructed by Mr. Yosuke Noda of the IDE. The database is based on the COMTRADE database compiled by the United Nations, which uses the SITC-R2 (6-digit level) commodity classification for the period 1988-1991 and the SITC-R3 (6-digit level) commodity classification for the period 1992-2000. Mr. Noda converted and aggregated each commodity in SITC-R2 and R3 into SITC-R1 3-digit level, using the concordance table developed by IDE. In cases where a commodity in SITC-R2 or R3 falls into more than one category in the SITC-R1 the value of the commodity is equally divided between SITC-R1 categories.

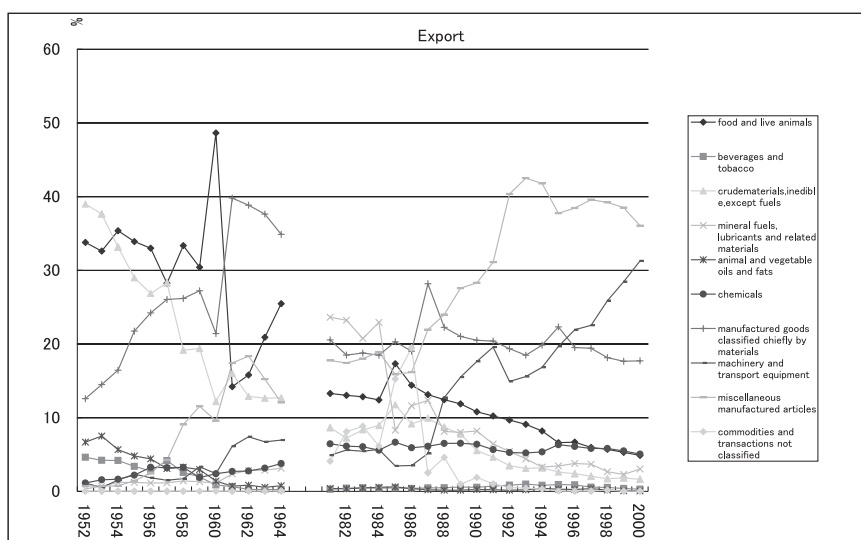


Figure 1

³ The concordance table for original commodity classification and SITC-R1 classification is available upon request.

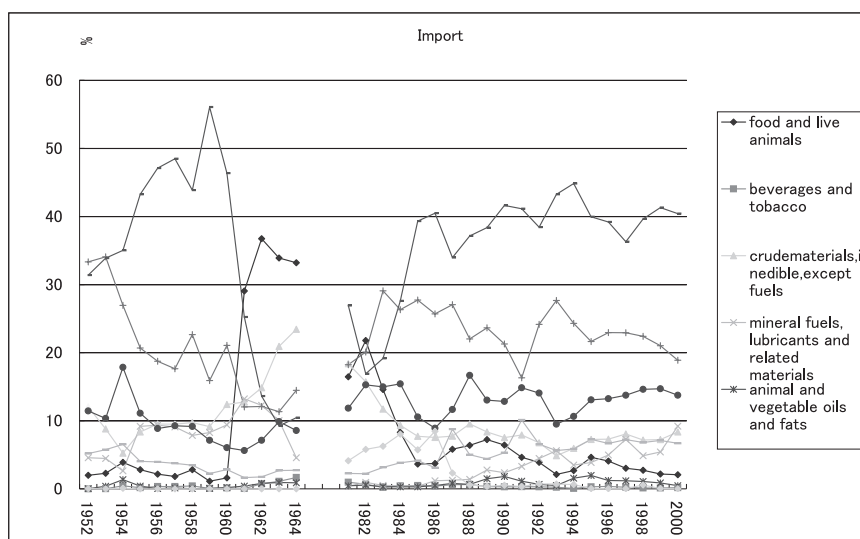


Figure 2

Appendix Tables A1-A5 present the estimation results of China's trade at the SITC-R1 2-digit level aggregated from our 3-digit level data.⁴ Figures 1 and 2 present the shares of export and import commodities respectively for 1952-64 and 1981-2000 at the SITC-R1 1-digit level. Two messages are evident from these figures. The figures allow two major observations. The first is a shift in China's export orientation. While in the 1950s, food products (SITC-0) and minerals (SITC-2) accounted for the largest share of exports, a gradual increase in the share of labor-intensive products (SITC-8) can be observed during the 1960s.

The second is that China imported machinery (SITC-7) as early as the 1950s, indicating that China already put a high priority on the import of capital goods fifty years ago. Notice, however, this observation is obscured by imports of food products around 1962 because of the severe famine.

5. Work to be done in the future

While the trade data we have compiled should help in long-term analyses of Chinese trade, much remains to be done.

For example, in the present paper, we did not attempt to estimate trade data for 1966-1980. As we have already explained in section 2, Chinese government did not compile its Customs statistics for 1966-1978 and probably it is impossible to get official statistics. Possible ways around this problem would be to revise the CIA or the IDE estimates or to compile entirely new estimates following the CIA and/or IDE methodology. Fortunately, since we have detailed trade data based on China's official Customs statistics (which have not been published) for the 1950s and the 1960s and the early 1980s, we can check reliability and biases of the CIA and the IDE estimates for these periods. Appendix Table A6 shows a comparison of our data based on the customs statistics with the CIA estimates at the two-digit level.

⁴ Data at the 3-digit SITC-R1 and by trade partner for 1952-1964 and 1981-2000 are available upon request.

The comparison shows that the quality of the CIA estimates is very high. Based on this type of comparison, we could create our own estimates on China's trade structure for the period 1966-1980.

A second task for the future is to compare our results with Chinese trade statistics for the pre-war period.

As a part of the Ministry of Education COE Program, "Asia Long-Term Historical Statistical Database" headed by Konosuke Odaka of Hosei University and the Ministry of Education 21st Century COE Program "Research Unit for Statistical Analysis in Social Sciences" headed by Osamu Saito of Hitotsubashi University, Professor Hajime Kose of Ryukoku University has already compiled trade statistics for China by country and by commodity at the SITC-R1 three-digit level for the pre-war period. A comparison of his trade statistics with our own may provide valuable insights into how China's development process in the 1940s and 1950s was affected by the Japanese invasion, China's Civil War and the Communist Revolution.

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Table A1. China's exports by commodity: SITC-R1, 2-digit level, 1952-1964 (unit: 1,000 Yum)

SITC-R1 Code (2-digit)	Name of items	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
00	Live animals	56,415	46,901	74,366	78,514	73,946	73,897	71,494	62,493	57,080	30,087	44,616	85,495	124,894
01	Meat and preparations	57,334	133,370	265,308	325,263	317,856	198,752	356,650	313,288	199,183	58,716	42,573	84,937	211,273
02	Dairy products and eggs	51,305	74,280	101,968	97,226	131,059	145,742	159,004	74,270	42,386	27,801	49,875	90,941	83,877
03	Fish and fish preparations	14,341	18,336	19,625	28,587	34,933	48,222	63,305	58,907	57,047	35,953	46,138	63,950	106,970
04	Cereals and cereal preparations	169,519	270,181	270,746	371,083	476,389	244,644	521,465	790,231	496,636	130,554	214,170	215,826	247,364
05	Fruit and vegetables	391,187	409,634	459,077	546,305	579,528	622,192	686,969	790,231	3,562,953	234,171	210,861	299,554	368,891
06	Sugar, sugar preparations and honey	415	1,343	1,876	5,554	6,229	8,432	33,663	28,110	22,755	41,271	41,793	82,820	116,107
07	Coffee, tea, cocoa, spices and manufactures thereof	96,312	89,512	98,035	119,623	132,056	134,273	157,781	153,183	116,000	84,233	80,426	87,374	100,019
08	Feeding-stuff for animals (not including unmilled cereals)	30,872	19,737	5,708	4,476	5,133	5,504	3,645	2,717	4,549	1,966	1,284	2,873	5,862
09	Miscellaneous food preparations	617	599	777	1,164	3,093	4,813	8,604	10,928	12,189	6,982	6,909	7,305	10,835
10	Beverages	1,634	1,165	1,469	3,267	3,526	3,352	5,673	7,243	5,170	4,813	6,765	7,321	9,037
11	Tobacco and tobacco manufactures	117,267	135,991	152,662	154,574	143,887	216,662	156,609	139,856	75,885	25,238	5,291	5,164	3,392
12	Hides, skins and fur skins, undressed	19,783	21,049	20,022	25,120	31,778	38,539	36,245	27,090	20,501	15,035	12,269	22,276	27,517
21	Oil-seeds, oil nuts and oil kernels	332,351	395,191	325,584	380,466	332,517	223,741	90,205	104,371	63,798	7,149	7,691	9,164	24,728
22	Crude rubber (including synthetic and reclaimed)	37,491	79,695	61,666	17,060	74,660	215,816	114,221	113,609	54,771	13,137	11,703	12,144	13,113
23	Crude rubber (including synthetic and reclaimed)	4,103	2,788	18,746	6,983	8,994	8,771	9,651	6,511	5,674	2,478	2,882	2,704	2,041
24	Wood, lumber and cork	2	0	0	0	0	35	15	5	0	0	0	0	0
25	Pulp and waste paper	237,484	361,076	331,937	377,403	422,999	376,370	329,672	558,203	478,278	255,297	197,977	214,599	250,998
26	Textile fibers (not manufactured into yarn, thread or fabrics) and their waste	24,623	22,380	35,347	51,739	81,066	89,443	85,395	71,812	58,429	56,290	49,771	53,234	62,356
27	Crude fertilizers and crude minerals (excluding coal, petroleum and precious stones)	157,302	204,022	244,321	288,168	318,342	380,062	326,018	351,136	285,996	217,292	217,292	168,245	183,315
28	Metalliferous ores and metal scrap	189,310	141,897	178,620	201,835	162,955	156,800	220,525	219,297	169,829	99,767	102,980	134,153	187,905
29	Crude animal and vegetable materials, n.e.s.	8,107	22,041	40,363	45,875	57,678	58,305	86,133	96,233	103,118	107,568	125,002	129,559	147,760
32	Coal, coke and briquettes	301	901	4,454	10,345	2,773	2,202	3,295	2,546	929	1,434	7,435	10,684	21,376
33	Petroleum and petroleum products	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Gas, natural and manufactured	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Electric energy	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Animal oils and fats	305	3,397	5,097	7,906	5,629	1,488	1,774	1,630	1,136	705	252	160	600
41	Animal and vegetable oils and fats	169,955	239,469	198,552	212,072	225,568	158,619	203,608	218,453	129,149	31,115	38,384	25,771	39,472
42	Fixed vegetable oils and fats, processed, and waxes of animal or vegetable origin	1,615	1,747	4,135	3,489	3,993	2,401	1,928	1,389	720	252	367	573	1,194
43	Chemical elements and compounds	8,888	18,222	18,868	38,951	82,820	51,796	68,911	48,340	115,543	47,550	39,689	41,559	69,559
51	Mineral tar and crude chemicals from coal, petroleum and natural gas	7,250	6,625	9,267	15,310	16,667	16,124	30,248	23,176	38,514	24,960	25,428	1,029	1,536
52	Dyeing, tanning and colouring materials	1,223	2,322	5,644	10,037	10,433	18,902	11,521	11,118	10,777	15,563	16,377	17,813	25,988
53	Medicinal and pharmaceutical products	5,390	15,947	14,181	19,230	19,942	38,364	38,313	34,203	27,096	21,760	23,708	27,065	27,584
54	Essential oils and perfume materials, toilet, polishing and cleansing preparations	183	367	3,183	5,144	3,046	1,954	1,632	2,117	3,397	3,828	6,838	13,973	7,249
55	Fertilizers, manufactured	34	42	461	915	55	518	823	16,712	11,632	8,987	10,905	11,842	17,580
56	Explosives and pyrotechnic products	6,434	7,329	7,679	9,733	39,938	37,847	46,932	2,989	16,320	652	3,077	13,871	18,777
57	Plastic materials, regenerated cellulose and artificial resins	15,059	24,520	22,985	34,120	64,857	64,192	66,944	53,047	36,579	28,438	39,799	78,392	114,790
58	Chemical materials and products, n.e.s.	7,361	2,603	1,126	2,080	8,955	5,441	47,539	46,945	41,378	36,286	50,849	57,900	45,086
61	Rubber manufactures, n.e.s.	320	1,226	1,139	2,666	3,471	9,603	17,807	11,603	8,272	12,371	14,005	11,910	18,282
62	Wood and cork manufactures (excluding furniture)	4,982	10,737	14,285	38,068	39,425	39,756	44,451	43,981	46,545	57,546	52,414	57,229	59,882
63	Paper, paperboard and manufactures thereof	110,667	154,376	241,929	454,976	651,156	794,190	896,839	1,306,236	1,251,169	1,176,802	1,120,705	1,093,352	1,026,131
64	Textile yarn, fabrics, made-up articles and related products	17,450	25,740	32,763	42,187	72,635	109,172	133,789	97,482	125,045	123,770	139,830	131,128	139,042
65	Non-metallic mineral manufactures, n.e.s.	30,354	23,200	59,763	158,403	193,280	82,027	133,789	97,482	125,045	123,770	139,830	131,128	139,042
66	Iron and steel	135,730	226,182	219,609	266,096	242,675	247,622	290,532	338,336	363,281	231,661	210,812	173,588	148,618
67	Non-ferrous metals	1,568	4,291	9,721	14,104	15,780	18,880	26,144	26,737	22,217	21,494	28,468	25,280	31,831
68	Manufactures of metal, n.e.s.	7,545	3,084	13,579	17,336	30,992	39,791	17,617	149,395	235,854	290,574	271,091	287,569	287,569
69	Machinery, other than electric	1,555	4,235	24,298	18,936	16,568	12,415	22,718	33,336	25,057	33,934	32,429	47,322	60,582
71	Electrical machinery, apparatus and appliances	19,705	9,895	18,516	72,673	50,434	26,892	23,017	40,395	52,940	11,044	23,719	14,028	28,125
72	Transport equipment	14	44	280	321	992	2,000	5,850	4,791	1,503	5,705	7,879	8,841	8,578
73	Sanitary, plumbing, heating and lighting fixtures on fittings	2,558	2,261	2,524	3,044	3,463	3,994	4,491	5,297	6,422	5,532	5,430	7,250	8,578
81	Furniture	4,828	6,555	11,251	34,491	70,039	126,816	308,585	611,429	667,187	634,779	685,099	585,507	482,378
82	Travel goods, handbags and similar articles	5	16	6	4,013	14,935	3,015	140,307	142,163	139,089	61,176	57,798	30,558	29,033
83	Clothing	1,029	1,695	2,561	3,192	4,464	4,586	4,386	6,236	7,360	10,032	10,451	12,260	16,844
84	Footwear	10,452	12,362	10,130	20,417	34,681	50,517	99,619	88,018	55,349	81,039	90,209	97,288	106,534
85	Professional, scientific and controlling instruments; photographic and optical goods	288	434	441	780	963	1,406	1,225	1,156	1,356	1,109	1,785	2,148	2,523
86	Miscellaneous manufactured articles, n.e.s.	2,571,142	3,262,198	3,668,939	4,655,070	5,334,563	5,264,424	6,322,513	7,494,479	9,397,520	4,589,733	4,676,505	4,881,267	5,460,564
87	Commodities and transactions not classified according to kind													
88														
89														
90	Total	2,571,142	3,262,198	3,668,939	4,655,070	5,334,563	5,264,424	6,322,513	7,494,479	9,397,520	4,589,733	4,676,505	4,881,267	5,460,564

Table A2: China's imports by commodity: SITC-R1, 2-digit level, 1952-1964 (unit: 1,000 Yuan)

SITC-R1 Code (2-digit)	Name of items	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
00	Live animals	463	7,436	4,627	6,887	11,871	10,768	33,630	21,918	25,693	13,124	21,252	22,786	2,118
01	Meat and preparations	2	5	1,398	361	22	175	2,597	807	777	746	1,223	1,151	20
02	Dairy products and eggs	63	694	2,645	299	464	1,011	2,597	15,658	10,377	5,391	6,903	5,882	6,546
03	Fish and fish preparations	1,704	4,457	55,109	6,565	7,577	9,101	14,789	15,025	5,516	848,330	885,600	918,401	1,145,669
04	Cereals and cereal preparations	75	79	1,841	25,992	3,944	2,089	31,990	16,813	14,002	16,208	21,854	23,084	18,798
05	Fruit and vegetables	30	1,220	2,331	10,538	1,901	2,089	7,823	16,813	37,421	44,150	262,896	187,673	156,855
06	Sugar, sugar preparations and honey	43,370	40,809	22,906	43,058	42,977	50,638	7,250	12,530	6,547	6,043	6,533	4,220	14,054
07	Coffee, tea, cocoa, spices and manufactures thereof	2,230	5,502	73,856	8,325	9,992	9,956	7,250	8,029	1,077	1,196	960	1,124	1,091
08	Feeding-stuff for animals (not including unmilled cereals)	0	0	0	0	0	156	1,596	1,391	20	35	295	50	85
09	Miscellaneous food preparations	0	0	318	31	54	17	40	69	20	0	0	0	4
10	Beverages	67	16	6,765	350	209	0	12	48	0	0	0	0	0
11	Tobacco and tobacco manufactures	143	776	12,358	6,021	14,119	14,521	23,096	5,040	8,300	1,511	24,683	37,754	67,766
12	Hides, skins and fur skins, undressed	21	0	16	356	1,076	1,230	675	62	179	1,243	603	556	76
21	Oil-seeds, oil nuts and oil kernels	562	1,142	37	1,913	16,432	10,563	9,037	4,564	2,952	16,680	12,538	7,235	10,265
22	Crude rubber (including synthetic and reclaimed)	56,642	158,842	110,546	78,035	222,181	217,979	207,845	275,598	244,332	157,661	155,613	157,283	181,047
23	Wood, lumber and cork	887	2,467	1,667	3,884	4,259	4,911	7,515	14,773	13,223	15,482	25,966	44,753	48,013
24	Pulp and waste paper	25	20,475	26,195	35,117	2,313	4,428	6,448	11,339	4,082	19,465	30,121	20,598	22,658
25	Textile fibers (not manufactured into yarn, thread or fabrics) and their waste	202,221	34,200	44,955	199,198	123,592	139,849	181,712	219,233	339,457	242,756	188,497	374,920	527,355
26	Crude fertilizers and crude minerals (excluding coal, petroleum and precious stones)	3,198	4,177	6,350	6,292	9,715	4,240	21,609	42,729	44,938	38,560	20,127	39,413	60,871
27	Metalliferous ores and metal scrap	31	234	96	602	965	7,389	16,807	26,466	36,477	29,366	38,225	44,219	47,069
28	Crude animal and vegetable materials, n.e.s.	5,414	5,914	23,408	10,634	19,881	20,338	64,721	52,190	36,808	52,556	26,422	27,548	29,580
32	Coal, coke and briquettes	53	3	9	600	10,640	3,167	27,810	56,152	59,853	68,099	65,159	52,074	56,504
33	Petroleum and petroleum products	109,719	118,169	111,969	332,911	384,670	392,465	391,770	523,649	555,999	537,703	338,135	291,988	128,610
34	Gas, natural and manufactured	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Electric energy	0	0	0	0	0	0	0	4	0	0	0	0	0
40	Animal oils and fats	0	4	28,635	78	22	205	406	1,716	7,986	7,685	13,162	10,969	10,322
41	Fixed vegetable oils and fats	556	9,889	29,082	14,359	493	5,056	459	2,884	3,691	10,948	12,651	20,354	25,937
42	Animal and vegetable oils and fats, processed, and waxes of animal or vegetable origin	158	38	22	18	3	308	0	212	121	228	885	304	138
51	Chemical elements and compounds	37,805	37,097	73,665	80,673	26,127	40,129	50,710	90,687	75,833	43,555	29,187	31,476	45,255
52	Mineral tar and crude chemicals from coal, petroleum and natural gas	476	1,366	19,475	781	540	1,535	908	1,057	393	73	5,421	7,862	4,524
53	Dyeing, tanning and colouring materials	801,184	42,059	321,124	95,752	20,061	43,097	44,282	57,598	35,855	23,818	21,917	20,581	32,708
54	Medicinal and pharmaceutical products	75,401	115,205	184,873	54,839	40,985	51,772	52,593	29,967	16,192	12,491	10,368	9,847	8,881
55	Essential oils and perfume materials, toilet, polishing and cleansing preparations	594	693	8,061	6,694	2,155	2,334	2,153	6,049	3,459	865	1,687	9,218	17,573
56	Fertilizers, manufactured	60,478	63,429	111,899	141,845	224,190	195,741	254,805	180,389	147,994	117,215	118,863	223,832	178,041
57	Explosives and pyrotechnic products	57	3,625	4,354	6,247	1,771	22,396	22,396	55,531	37,359	31,684	30,210	18,246	29,185
58	Plastic materials, regenerated cellulose and artificial resins	2,496	5,158	11,258	8,533	8,869	15,797	15,915	23,311	28,281	6,547	6,248	9,256	15,302
59	Chemical materials and products, n.e.s.	13,941	3,990	21,089	12,651	45,917	41,673	46,918	54,007	38,541	21,175	10,213	9,116	16,015
61	Leather, leather manufactures, n.e.s. as dressed for skins	1,591	136	30,901	641	201	209	553	1,118	532	3,420	3,539	3,026	4,695
62	Rubber manufactures, n.e.s.	51,330	17,834	18,999	7,400	4,748	4,097	4,779	4,141	3,454	475	1,377	1,882	1,510
63	Wood and cork manufactures (excluding furniture)	231	648	45,821	341	380	159	313	744	753	10	1,320	1,031	2,723
64	Paper, paperboard and manufactures thereof	115,199	90,895	214,193	55,142	54,843	46,689	16,807	12,545	13,280	22,775	14,904	16,043	25,956
65	Textile yarn, fabrics, made-up articles and related products	110,859	57,490	72,449	98,152	174,434	154,591	152,099	140,995	102,505	66,406	44,431	49,333	89,031
66	Non-metallic mineral manufactures, n.e.s.	10,949	11,721	129,123	9,623	33,574	16,880	16,998	20,824	29,669	12,343	8,106	15,423	31,679
67	Iron and steel	357,106	550,163	419,857	471,178	420,530	436,837	819,750	616,680	734,369	314,442	217,855	228,029	305,649
68	Non-ferrous metals	83,833	111,006	146,253	69,132	69,931	75,408	164,303	274,187	407,119	110,387	88,752	61,229	114,481
69	Manufactures of metal, n.e.s.	70,213	62,164	66,222	39,496	31,533	37,031	42,299	45,310	45,310	21,276	17,573	13,713	10,481
71	Machinery, other than electric	470,131	599,127	872,722	1,113,431	1,503,519	1,713,970	3,001,431	3,001,431	2,429,879	898,340	296,989	202,271	254,407
72	Electrical machinery, apparatus and appliances	137,818	129,062	73,223	157,312	192,862	147,100	208,586	291,111	177,318	92,696	44,931	27,582	38,804
73	Transport equipment	146,549	168,995	298,157	300,018	295,390	245,234	417,565	635,221	336,642	165,527	106,276	87,403	129,924
81	Sanitary, plumbing, heating and lighting fixtures and fittings	2,811	565	74	1,444	529	132	143	0	0	0	4	34	0
82	Furniture	35	0	0	8	56	35	318	222	451	153	331	267	93
83	Travel goods, handbags and similar articles	0	0	15	0	8	6	0	1	0	0	0	1	0
84	Clothing	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Footwear	1,041	303	4	168	28	0	1	56	102	3	1,057	4,608	5,273
86	Professional, scientific and controlling instruments; photographic and optical goods	114,173	144,087	157,874	132,609	147,960	139,242	141,074	160,402	160,402	60,924	45,842	77,753	93,726
89	Miscellaneous manufactured articles, n.e.s.	6,029	7,512	119,094	12,212	17,831	22,751	13,300	15,722	18,590	14,520	10,268	9,481	11,755
90	Commodities and transactions not classified according to kind	812	3,630	3,630	68	357	35	374	29	6	2	17	0	0
Total		2,404,252	2,647,549	4,244,626	3,631,864	4,229,749	4,345,629	5,352,524	7,004,912	6,340,026	4,583,945	3,289,078	3,435,669	4,051,636

Table A3: China's exports and imports by commodity, SITC-R1, 2-digit level, 1981-1987 (unit: 1,000 Yuan)

SITC-R1 Code (2-digit)	Name of items	1981	1982	1983	1984	1985	1986	1987	1981	1982	1983	1984	1985	1986	1987
00	Live animals	624,929	683,715	664,731	710,098	890,431	1,171,385	1,294,425	4,260	4,507	5,663	8,466	8,466	42,303	10,874
01	Meat and preparations	621,783	908,926	885,621	1,005,984	1,362,923	1,739,744	1,947,222	3,899	1,554	2,732	7,478	20,029	31,603	67,259
02	Dairy products	132,049	144,312	132,390	164,675	180,921	242,439	565,792	31,231	96,372	35,553	53,229	96,103	170,379	183,894
03	Fish and fish preparations	624,260	613,116	581,338	678,143	845,940	1,232,595	2,396,557	24,557	41,200	46,903	72,419	130,504	168,736	216,848
04	Cereals and cereal preparations	494,205	414,557	422,692	1,026,110	3,181,105	3,105,529	2,396,557	5,070,242	6,057,531	4,855,020	3,992,346	2,853,278	3,992,346	6,285,337
05	Fruit and vegetables	1,411,850	1,518,975	1,588,071	1,842,079	2,467,753	3,840,610	4,809,156	79,363	119,452	58,834	76,807	150,249	196,680	203,686
06	Sugar, sugar preparations and honey	252,130	181,767	149,394	121,734	233,908	445,309	580,537	744,170	1,218,705	870,103	575,772	851,737	750,738	1,114,543
07	Coffee, tea, cocoa, spices and manufactures thereof	481,484	621,544	704,675	1,006,507	1,309,532	1,633,717	1,823,407	52,731	141,298	107,722	106,710	121,532	403,166	293,483
08	Feeding-stuff for animals (not including unmilled cereals)	150,979	204,675	389,232	502,263	709,055	1,460,471	2,019,481	38,191	88,538	150,276	204,274	248,774	338,442	501,601
09	Miscellaneous food preparations	89,778	107,036	109,687	130,528	170,356	270,118	433,699	8,238	8,204	10,542	26,705	64,001	62,525	101,333
11	Tobacco and tobacco manufactures	40,351	114,924	122,841	155,976	207,581	270,118	433,699	8,238	8,204	10,542	26,705	64,001	62,525	101,333
12	Tobacco and tobacco manufactures	59,207	85,233	82,126	88,781	103,880	145,453	218,845	346,500	233,088	81,312	547,902	547,902	544,444	879,169
13	Hides, skins and fur skins, undressed	152,991	171,923	173,542	258,026	355,778	427,381	509,744	102,116	191,506	110,675	91,281	304,866	268,929	253,381
21	Oil-seeds, oil nuts and oil kernels	704,587	371,923	632,463	1,094,383	1,418,572	1,979,197	2,526,660	299,552	211,795	2,056	2,395	2,711	218,328	229,134
22	Crude rubber (including synthetic and reclaimed)	7,124	7,262	9,629	10,926	11,106	6,080	9,954	353,868	334,171	533,251	704,194	649,565	934,158	1,458,186
23	Wood, lumber and cork	19,465	21,225	19,783	25,457	28,128	66,280	132,880	421,735	534,427	1,183,587	1,657,325	2,568,123	2,314,138	2,178,778
24	Pulp and waste paper	255	17	671	2,016	747	5,135	5,519	642,249	408,534	553,001	622,655	660,033	776,372	1,502,575
25	Textile fibers (not manufactured into yarn, thread or fabrics) and their waste	759,652	1,091,247	1,326,346	2,038,835	3,408,809	4,021,038	5,632,236	4,445,128	4,452,128	1,769,521	1,667,456	3,495,933	4,207,982	4,209,778
26	Crude fertilizers and crude minerals (excluding coal, petroleum and precious stones)	330,513	387,051	373,423	483,773	710,465	929,192	1,346,895	139,152	160,107	197,359	190,336	162,360	127,693	105,061
27	Metalliferous ores and metal scrap	533,572	206,648	298,044	287,408	564,022	746,022	1,061,039	261,758	348,665	446,393	678,236	1,579,691	1,954,457	1,954,457
28	Crude animal and vegetable materials, n.e.s.	668,911	735,985	821,817	988,852	1,203,832	1,729,898	2,406,975	88,335	185,360	113,201	139,980	187,387	303,706	264,407
29	Coal, coke, and briquettes	593,780	705,524	633,173	675,917	983,456	1,493,399	2,001,559	94,040	116,013	55,579	92,410	127,502	1,278,812	1,479,429
30	Petroleum and petroleum products	8,093,874	8,902,527	8,458,519	12,618,894	4,437,816	11,070,574	14,903,499	18,079	186,822	55,579	92,410	127,502	1,278,812	1,479,429
31	Gas, natural and manufactured	942	1,574	2,065	10,629	9,766	8,001	9,692	269	954	1,619	3,267	6,085	6,912	14,328
32	Electric energy	0	0	0	0	9,106	5,703	10,901	25,768	35,777	41,902	54,754	170,378	177,019	253,212
33	Animal oils and fats	13,324	1,132	166	200	209	299	936	45,568	54,314	33,955	50,845	91,079	74,763	120,316
34	Fixed vegetable oils and fats	144,280	140,378	204,453	317,277	396,164	402,865	296,365	119,631	142,595	103,050	125,451	263,592	636,971	1,167,968
35	Animal and vegetable oils and fats, processed, and waxes of animal or vegetable origin	2,033	2,430	2,006	1,910	2,921	2,526	6,046	614	2,533	1,074	3,563	8,766	7,772	11,128
36	Chemical elements and compounds	1,159,349	1,166,463	1,219,497	1,469,234	2,017,765	3,059,865	3,696,919	2,043,779	2,545,351	2,894,954	3,332,774	5,177,672	5,504,114	5,289,638
37	Mineral tar and crude chemicals from coal, petroleum or natural gas	26,201	204,077	81,981	35,416	87,896	57,097	224,823	11,445	16,483	44,951	84,439	121,399	149,570	0
38	Dyeing, tanning and colouring materials	110,762	139,693	136,716	192,419	229,480	435,383	652,898	194,881	288,656	136,537	181,182	44,810	234,548	654,579
39	Medicinal and pharmaceutical products	428,311	447,754	525,548	608,773	886,030	1,139,327	1,503,327	31,327	68,522	136,537	181,182	44,810	234,548	654,579
40	Essential oils and perfume materials, toilet, polishing and cleansing preparations	18,813	17,845	20,648	23,648	33,346	379,299	508,376	1,029,206	1,101,572	1,390,426	2,065,308	2,234,123	1,284,000	5,219,490
41	Perfumes, toilet preparations, toilet, polishing and cleansing preparations	12,224	8,866	13,131	38,663	5,258	35,130	679,960	1,580	1,029,206	1,101,572	1,390,426	2,065,308	2,234,123	1,284,000
42	Plastic materials and plastic products	101,960	121,879	136,070	374,680	335,266	538,326	679,960	1,580	1,029,206	1,101,572	1,390,426	2,065,308	2,234,123	1,284,000
43	Plastic materials and plastic products, n.e.s.	81,421	56,827	89,981	97,317	123,970	203,485	302,347	841,845	1,238,996	1,210,929	2,604,257	4,284,897	4,565,428	5,476,287
44	Chemical materials and products, n.e.s.	280,410	218,536	234,485	231,760	356,140	516,629	693,033	163,437	168,714	328,353	703,796	646,216	589,150	912,854
45	Leather, leather manufactures, n.e.s. as dressed fur skins	149,208	118,316	127,376	185,766	133,044	222,993	6,420,159	163,437	112,704	70,453	125,631	428,678	479,006	7,259,893
46	Rubber manufactures, n.e.s.	80,354	109,704	121,116	123,042	153,761	296,932	378,210	7,790	12,063	16,416	30,513	44,658	76,683	168,114
47	Wood and cork manufactures (excluding furniture)	51,534	56,187	53,334	59,659	75,577	135,905	330,306	203,512	360,423	219,877	429,558	773,971	700,021	2,026,294
48	Paper, paperboard and manufactures thereof	264,668	267,543	308,559	384,152	448,793	684,897	940,803	625,719	409,438	394,413	536,844	1,287,211	1,948,994	2,718,782
49	Textile yarn, fabrics, made-up articles and related products	4,183,43	4,309,665	5,352,307	7,693,227	9,601,353	14,724,715	22,228,340	2,729,871	1,525,708	983,414	2,034,801	4,503,430	5,015,587	7,246,592
50	Non-metallic mineral manufactures, n.e.s.	63,726	60,156	559,325	575,473	672,877	1,110,760	1,636,833	147,006	285,815	411,700	503,763	974,566	1,272,578	1,275,776
51	Iron and steel	871,565	902,379	403,521	286,268	348,209	572,984	1,570,248	2,526,924	3,324,535	6,970,908	9,733,167	21,018,724	23,545,598	17,866,331
52	Non-ferrous metals	850,839	326,374	289,600	363,139	617,628	908,191	2,189,981	525,583	1,074,314	3,047,591	2,374,395	4,848,529	3,718,427	2,741,300
53	Machinery of metal, n.e.s.	902,839	966,124	1,013,433	1,051,895	1,251,051	1,927,676	2,969,203	86,640	80,843	155,054	355,004	1,003,369	1,665,153	1,929,358
54	Machinery, other than electric	497,585	546,787	453,836	600,665	526,072	1,003,043	2,165,121	1,730,789	1,776,000	2,671,356	6,351,142	17,891,115	33,299,998	33,299,998
55	Electrical machinery, apparatus and appliances	552,719	588,902	790,367	1,265,557	718,273	1,698,056	3,680,266	1,121,586	1,121,586	3,146,286	6,089,898	13,207,376	12,036,381	12,301,391
56	Transport equipment	752,814	1,182,156	1,147,062	1,436,800	1,016,380	1,093,266	1,207,873	6,660,957	3,146,286	3,865,439	6,089,898	18,361,019	19,044,877	8,673,640
57	Sanitary, plumbing, heating and lighting fixtures and fittings	236,986	102,832	92,891	90,673	113,320	170,177	15,990	9,640	13,444	20,800	49,716	135,512	175,786	165,355
58	Furniture	105,286	262,676	241,832	283,515	269,259	377,016	1,066,917	366	654	1,015	3,487	7,900	6,657	900,239
59	Travel goods, handbags and similar articles	144,701	3,901,105	4,410,950	6,328,209	6,102,054	10,217,369	15,482,941	27,678	15,037	6,665	16,866	53,706	81,693	64,903
60	Clothing	3,374,919	180,414	180,414	3,374,919	180,414	3,374,919	180,414	3,374,919	180,414	3,374,919	180,414	3,374,919	180,414	3,374,919
61	Footwear	265,402	284,105	387,958	495,725	267,106	509,631	1,227,766	581,799	487,588	896,668	1,345,331	2,908,597	2,783,719	6,202,504
62	Professional, scientific and controlling instruments, photographic and optical goods	2,019,670	2,047,262	2,084,663	2,835,663	495,725	2,641,060	9,472,755	202,777	269,265	374,595	910,566	1,988,130	1,988,130	6,491,762
63	Miscellaneous manufactured articles, n.e.s.	3,003,396	6,692,368	7,750,924	7,131,249	20,011,825	42,099,270	3,453,325	3,027,746	4,149,722	5,285,562	9,967,239	14,415,735	25,378,488	3,720,407
64	Commodities and transactions not classified according to kind	38,255,520	44,729,518	47,708,174	61,621,336	75,555,526	129,260,175	137,185,155	38,273,500	37,859,047	44,825,229	67,030,406	132,992,818	162,512,211	159,786,526

Table A4: China's exports by commodity, SITC-R1, 2-digit level, 1981-2000 (unit: 1,000 US\$)

Table A5: China's imports by commodity, SITC-R1, 2-digit level, 1981–2000 (unit: 1,000 US\$)

SITC-R1 Code	Name of items	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
00	Live animals	2,506	2,827	2,860	3,646	18,860	12,288	12,572	16,519	10,441	13,618	19,083	20,007	17,200	18,335	28,342	34,699	31,897	45,466	46,982	41,846
01	Meat and preparations	229	822	1,380	3,180	6,813	9,268	18,042	28,236	47,027	53,987	62,441	63,919	75,132	95,739	102,618	169,853	163,545	150,705	510,306	653,958
02	Dairy products and eggs	18,471	51,255	17,956	22,844	32,688	49,530	49,434	70,189	68,805	80,942	88,734	66,416	56,136	80,848	92,888	61,079	59,957	66,919	86,487	160,621
03	Fish and fish preparations	13,345	22,769	24,868	27,668	44,389	47,460	58,292	91,990	118,027	102,405	122,405	132,536	162,376	180,441	202,547	250,959	250,959	250,959	876,448	1,202,547
04	Cereals and cereal preparations	2,966	3,626	4,246	5,170	6,826	8,258	10,000	12,888	16,502	23,858	32,582	41,028	51,105	62,548	72,548	85,105	95,105	105,105	115,105	125,105
05	Vegetables and preparations	46,688	56,688	66,688	76,688	86,688	96,688	106,688	116,688	126,688	136,688	146,688	156,688	166,688	176,688	186,688	196,688	206,688	216,688	226,688	236,688
06	Sugar, sugar preparations and preparations	64,818	49,446	49,446	28,204	28,204	27,611	296,086	866,056	441,495	389,374	269,635	272,313	132,144	102,445	93,427	426,921	426,921	250,140	171,572	181,558
07	Coffee, tea, cocoa, spices and preparations	31,018	74,814	54,405	45,996	41,337	116,860	71,325	98,879	63,619	27,852	52,094	59,357	57,202	61,224	76,021	81,363	85,470	88,039	114,327	114,327
08	Feeding-stuff for animals (not in primary forms)	22,466	46,846	75,897	88,849	84,617	116,860	145,453	46,569	48,964	46,569	59,931	463,409	309,335	349,888	423,061	1,299,943	1,792,130	1,400,033	620,899	909,979
09	Miscellaneous food preparations	3,006	9,079	11,577	17,410	20,447	24,341	14,583	50,336	48,964	50,336	50,336	50,336	58,292	67,323	62,993	79,460	90,108	130,384	150,177	194,642
10	Drinks	20,822	12,337	41,066	186,361	157,320	157,320	236,331	305,366	171,240	130,013	163,888	204,272	200,263	32,343	338,945	456,884	504,466	105,175	87,561	204,466
11	Alcoholic tobacco preparations	60,006	101,326	55,897	39,345	103,996	76,901	68,113	70,717	43,963	20,326	32,488	51,870	189,374	208,245	410,870	369,304	405,022	400,386	407,197	637,773
21	Hides, skins and fur skins, and preparations	176,207	112,661	1,038	1,032	9,922	63,457	61,995	37,783	13,363	20,726	20,226	31,194	28,812	62,372	109,581	325,658	873,848	1,226,572	1,513,362	2,943,952
22	Oil-seeds, oil nuts and oil kernels	209,334	576,810	269,319	303,532	220,940	270,568	391,985	589,566	480,239	365,233	411,316	290,836	290,543	385,463	505,983	795,120	619,336	515,368	595,244	974,379
23	Crude animal and vegetable materials	248,080	504,988	597,771	714,364	873,511	670,765	385,693	1,153,394	635,807	508,524	509,473	600,107	610,069	570,566	518,539	633,287	948,280	921,667	1,810,782	2,421,251
24	Wood, lumber and cork	2,614,784	1,405,874	899,698	718,311	1,189,093	1,219,705	1,311,499	2,189,236	2,571,133	1,974,336	2,429,902	2,133,424	1,530,276	2,982,467	4,108,118	3,770,088	3,963,768	2,601,782	1,938,113	2,846,378
26	Crude fertilizers and crude materials	81,854	84,713	99,676	82,041	55,225	37,012	26,242	33,564	48,451	33,421	55,519	54,828	59,770	79,684	108,513	235,688	315,688	241,292	432,322	714,315
27	Crude mineral ores and metal ores	153,976	184,479	225,451	292,343	537,310	635,475	525,392	447,062	611,426	730,241	955,601	1,559,618	1,883,384	1,894,524	2,898,104	2,842,070	3,204,048	2,948,036	3,277,394	5,183,081
28	Crude animal and vegetable materials	51,962	98,074	76,134	76,164	99,701	80,786	129,306	148,264	113,332	80,791	93,050	108,676	173,306	169,641	200,119	225,878	266,889	260,385	278,532	350,400
29	Crude animal and vegetable materials	53,318	61,382	57,172	60,336	63,737	88,031	70,980	62,202	90,923	74,138	47,238	43,423	41,986	34,634	36,429	146,790	92,279	68,649	61,173	69,818
30	Crude animal and vegetable materials	10,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988	20,988
31	Crude animal and vegetable materials	158	505	818	1,408	2,070	2,003	3,852	6,779	15,671	17,102	48,554	84,186	157,018	296,366	452,852	586,227	876,453	824,039	1,198,694	1,540,923
32	Electric energy	15,158	18,930	21,163	23,601	57,952	51,310	68,068	80,541	78,398	117,020	171,457	283,381	244,047	107,572	32,637	2,646	2,288	396	2,186	96,267
33	Animal oils and fats	26,805	28,737	17,149	21,916	30,079	21,670	32,397	42,331	33,321	32,771	25,444	23,584	34,164	48,283	148,803	95,314	83,013	80,713	117,664	131,651
41	Foodstuffs and preparations	70,371	75,447	52,046	54,074	89,657	184,629	313,970	323,187	839,442	947,319	690,237	373,433	328,186	1,371,147	1,913,854	1,322,923	1,315,850	1,091,986	876,648	587,549
42	Animal and vegetable oils and fats	17,907	7,530	7,561	12,001	25,884	31,382	43,971	82,062	77,039	87,560	130,013	148,127	158,009	204,445	197,832	220,256	254,116	265,034	393,519	525,517
43	Medicinal and pharmaceutical preparations	605,416	582,842	702,235	890,238	759,906	572,186	1,403,089	1,117,386	1,193,865	1,449,010	2,013,638	1,783,847	948,720	1,440,804	2,253,889	2,256,138	2,307,349	2,431,696	2,214,871	1,710,422
44	Mineral tar and crude chemicals	495,203	665,659	611,580	1,122,524	1,457,448	1,323,312	1,472,120	3,580,938	2,228,302	1,514,968	2,393,855	4,269,525	4,416,567	5,337,584	7,278,345	8,102,844	9,436,033	9,722,132	10,717,755	13,366,295
51	Chemical materials and products	87,807	89,267	266,845	303,360	219,801	170,768	245,391	338,499	424,274	406,175	504,044	668,048	669,284	859,452	1,268,050	1,093,957	1,268,050	1,440,261	1,800,028	2,105,321
52	Leather, leather manufactures, and preparations	97,316	59,632	35,582	54,147	145,809	138,842	195,584	223,697	280,238	373,340	642,422	1,249,463	1,653,500	1,984,036	2,061,612	2,099,941	2,396,347	2,046,304	2,123,046	2,556,963
61	Rubber manufactures, n.e.s.	4,582	6,384	8,291	13,152	15,190	22,227	45,246	51,083	49,542	49,999	76,352	273,852	307,047	379,461	446,910	585,640	569,080	520,295	751,145	756,603
62	Wood and cork manufactures (except furniture)	119,713	190,700	119,713	185,154	262,915	202,905	344,703	618,427	469,633	364,195	624,660	705,152	1,020,330	1,062,736	1,050,575	938,462	909,052	1,009,585	1,187,273	1,039,258
63	Textile yarn, fabrics, manufactures and preparations	1,341,100	807,253	496,674	877,669	1,331,799	1,331,799	1,348,090	4,200,004	4,582,280	5,276,601	3,636,084	7,429,653	7,407,997	9,179,761	10,723,559	11,765,317	12,049,911	10,863,295	10,854,881	12,579,884
64	Non-metallic mineral manufactures and preparations	86,474	159,902	207,929	217,139	331,485	368,863	342,950	430,131	520,451	432,152	442,596	694,017	890,590	1,071,388	1,204,969	1,283,372	1,393,063	1,487,671	1,826,091	2,601,159
65	Iron and steel	1,562,897	1,758,172	3,520,661	4,212,772	7,149,226	6,824,811	4,802,777	4,624,473	5,796,591	2,852,638	2,998,488	4,259,572	12,629,776	9,362,127	6,367,592	7,226,793	6,642,560	6,408,645	7,466,646	9,676,636
67	Non-ferrous metals	309,166	568,420	1,593,187	1,092,412	1,649,160	1,077,805	786,908	886,545	1,123,736	599,852	829,948	1,282,948	1,885,333	1,684,745	2,711,302	3,035,660	3,214,159	3,035,660	4,771,148	6,063,058
68	Manufactures of metal, n.e.s.	1,015,965	1,274,744	1,830,100	1,535,045	2,282,845	1,845,653	1,456,645	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945
69	Metals in primary forms	1,015,965	1,274,744	1,830,100	1,535,045	2,282,845	1,845,653	1,456,645	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945	1,035,945
71	Electrical machinery, apparatus and accessories	769,382	993,432	778,602	271,197	4,992,105	3,488,806	3,306,825	5,707,323	6,134,857	5,548,361	6,904,907	9,212,662	12,611,826	16,015,239	19,029,465	18,672,243	21,228,811	25,397,935	34,439,907	40,726,044
72	Transport equipment, heating and ventilation equipment	841,048	816,635	1,983,001	2,310,454	5,517,532	4,349,950	5,049,105	5,703,827	6,627,546	72,881	63,664	83,664	120,702	138,439	162,170	156,808	144,308	292,247	242,186	201,661
73	Sanitary plumbing, heating and ventilation equipment	5,671	7,113	10,205	21,429	46,093	44,286	44,540	74,101	60,392	62,746	72,881	83,664	120,702	138,439	162,170	156,808	144,308	292,247	242,186	201,661
81	Furniture	4,263	5,800	11,642	20,944	35,161	40,495	41,712	61,253	67,566	72,349	49,308	83,551	85,551	98,061	186,609	109,740	139,024	94,187	194,710	284,534
82	Travel goods, handbags and suitcases	15	746	3,346	7,200	18,827	23,629	24,200	35,875	45,738	57,528	69,955	92,166	138,439	162,170	156,808	144,308	139,024	94,187	194,710	284,534
83	Footwear	385	257	557	7,542	1,721	1,852	3,364	9,002	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024
84	Professional, scientific and communications equipment	342,235	263,983	452,863	579,884	989,319	806,875	1,667,699	1,208,377	1,179,283	1,208,313	1,510,000	2,352,962	2,493,794	2,862,731	4,095,587	3,888,371	4,361,723	4,198,503	5,346,290	7,299,893
85	Miscellaneous manufactures and preparations	118,986	142,468	189,190	392,485	676,235	429,945	1,745,097	1,374,400												

Table A6: Comparison of the commodity composition of exports and imports in China's customs statistics and the CIA estimates: SITC-R1, 2-digit level, 1980-1982 (share in total exports or imports in %)

SITC-R1 Code (2-digit)	Name of items	China's customs statistics				CIA estimate				China's customs statistics				CIA estimate			
		1980	1981	1982	1982	1980	1981	1982	1982	1980	1981	1982	1982	1980	1981	1982	1982
00	Live animals	1.93	1.71	1.65	1.65	1.82	1.78	1.60	1.60	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01
01	Meat and preparations	2.00	1.69	2.18	2.18	2.04	1.75	1.67	1.67	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.02
02	Dairy products and eggs	0.39	0.35	0.35	0.35	0.48	0.45	0.41	0.41	0.05	0.10	0.28	0.28	0.02	0.05	0.05	0.20
03	Fish and fish preparations	2.09	1.70	1.48	1.48	2.14	1.99	1.57	1.57	0.07	0.08	0.12	0.12	0.01	0.01	0.01	0.03
04	Cereals and cereal preparations	2.34	1.34	1.00	1.00	2.58	2.39	2.03	2.03	12.28	16.18	17.74	17.74	11.54	12.90	14.77	14.77
05	Fruit and vegetables	4.12	3.84	3.67	3.67	5.02	4.91	4.25	4.25	1.58	2.38	3.57	3.57	1.45	2.61	3.85	3.85
06	Sugar, sugar preparations and honey	1.22	0.69	0.44	0.44	1.08	0.72	0.80	0.80	0.33	0.17	0.41	0.41	0.19	0.28	0.36	0.36
07	Coffee, tea, cocoa, spices and manufactures thereof	1.82	1.31	1.50	1.50	1.51	1.38	1.59	1.59	0.51	0.07	0.12	0.12	0.03	0.09	0.25	0.25
08	Feeding-stuff for animals (not including unmilled cereals)	0.32	0.41	0.49	0.49	0.39	0.55	0.21	0.21	0.01	0.02	0.05	0.05	0.02	0.04	0.06	0.06
09	Miscellaneous food preparations	0.28	0.24	0.26	0.26	0.20	0.20	0.21	0.21	0.01	0.01	0.02	0.02	0.03	0.03	0.05	0.07
11	Beverages	0.15	0.11	0.28	0.28	0.33	0.32	0.34	0.34	0.17	1.11	0.68	0.68	0.14	0.44	0.45	0.45
12	Tobacco and tobacco manufactures	0.29	0.16	0.16	0.16	0.30	0.23	0.24	0.24	0.48	0.33	0.56	0.56	0.24	0.12	0.14	0.14
21	Hides, skins and fur skins, undressed	0.48	0.42	0.42	0.42	0.41	0.38	0.29	0.29	0.88	0.96	0.62	0.62	0.82	0.87	0.48	0.48
22	Oil-seeds, oil nuts and oil kernels	0.82	1.92	0.90	0.90	0.99	2.45	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Cattle rubber (including synthetic and reclaimed)	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	1.20	1.14	0.98	0.98	2.17	1.20	1.46	1.46
24	Wood, lumber and cork	0.14	0.05	0.05	0.05	0.16	0.10	0.10	0.10	1.26	1.35	2.79	2.79	0.43	0.81	1.84	1.84
25	Pulp and waste paper	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.05	2.05	1.20	1.20	0.99	1.01	0.84	0.84
26	Textile fibers (not manufactured into yarn, thread or fabrics) and their waste	3.02	2.07	2.64	2.64	1.38	1.32	1.93	1.93	10.56	14.19	8.28	8.28	10.95	12.66	8.66	8.66
27	Crude fertilizers and crude minerals (excluding coal, petroleum and precious stones)	0.96	0.90	0.94	0.94	1.39	1.21	1.19	1.19	0.38	0.44	0.47	0.47	0.20	0.12	0.25	0.25
28	Metalliferous ores and metal scrap	1.58	1.45	0.50	0.50	0.91	0.96	0.53	0.53	1.13	0.84	1.02	1.02	0.14	0.10	0.17	0.17
29	Crude animal and vegetable materials, n.e.s.	2.44	1.82	1.78	1.78	2.84	2.13	1.89	1.89	0.38	0.28	0.54	0.54	0.56	0.29	0.50	0.50
32	Coal, coke, and briquettes	1.49	1.62	1.70	1.70	1.32	1.25	1.31	1.31	0.32	0.30	0.34	0.34	0.64	0.56	0.77	0.77
33	Petroleum and petroleum products	21.80	22.02	21.51	21.51	22.09	21.03	20.08	20.08	0.63	0.06	0.55	0.55	0.72	0.31	0.18	0.18
34	Gas, natural and manufactured	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	Electric energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Animal oils and fats	0.31	0.39	0.34	0.34	0.43	0.49	0.28	0.28	0.79	0.38	0.42	0.42	0.69	0.48	0.36	0.36
42	Fixed vegetable oils and fats	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.02	0.02	0.06	0.06
43	Animal and vegetable oils and fats, processed, and waxes of animal or vegetable origin	2.40	3.15	2.82	2.82	2.50	2.58	2.30	2.30	6.40	6.52	7.45	7.45	2.79	2.61	3.17	3.17
51	Chemical elements and compounds	0.16	0.07	0.49	0.49	0.15	0.26	0.13	0.13	0.14	0.04	0.05	0.05	0.00	0.00	0.00	0.00
52	Mineral tar and crude chemicals from coal, petroleum and natural gas	0.38	0.30	0.34	0.34	0.31	0.30	0.29	0.29	0.50	0.62	0.85	0.85	0.42	0.64	0.64	0.64
53	Dyeing, tanning and colouring materials	1.44	1.14	1.08	1.08	1.01	0.92	0.85	0.85	0.07	0.16	0.20	0.20	0.10	0.16	0.20	0.20
54	Medicinal and pharmaceutical products	0.60	0.51	0.43	0.43	0.52	0.44	0.44	0.44	0.02	0.10	0.04	0.04	0.05	0.09	0.13	0.13
55	Essential oils and perfume materials, toilet, polishing and cleansing preparations	0.00	0.00	0.01	0.01	0.02	0.03	0.02	0.02	2.19	3.29	3.23	3.23	4.49	4.20	3.49	3.49
56	Fertilizers, manufactured	0.33	0.28	0.29	0.29	0.51	0.44	0.47	0.47	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
57	Explosives and pyrotechnic products	0.34	0.22	0.14	0.14	0.39	0.29	0.18	0.18	4.60	2.69	3.68	3.68	1.92	2.65	3.70	3.70
58	Plastic materials, regenerated cellulose and artificial resins	0.84	0.76	0.52	0.52	0.87	0.85	0.56	0.56	0.50	0.48	0.49	0.49	0.94	0.88	1.12	1.12
59	Chemical materials and products, n.e.s.	0.63	0.41	0.29	0.29	0.62	0.43	0.26	0.26	0.47	0.53	0.33	0.33	0.74	0.73	0.97	0.97
61	Leather, leather manufactures, n.e.s. as dressed fur skins	0.29	0.22	0.27	0.27	0.29	0.28	0.23	0.23	0.05	0.02	0.04	0.04	0.10	0.06	0.08	0.08
62	Rubber manufactures, n.e.s.	0.15	0.14	0.14	0.14	0.31	0.27	0.23	0.23	0.19	0.65	1.06	1.06	0.28	0.19	0.28	0.28
63	Wood and cork manufactures (excluding furniture)	0.75	0.72	0.65	0.65	0.83	0.82	0.70	0.70	1.71	2.00	1.20	1.20	1.84	1.35	0.99	0.99
64	Paper, paperboard and manufactures thereof	13.07	11.38	10.41	10.41	14.83	14.41	11.99	11.99	3.44	7.28	4.47	4.47	4.36	8.75	6.95	6.95
65	Textile yarn, fabrics, made-up articles and related products	1.86	1.74	1.45	1.45	2.23	2.24	1.96	1.96	0.48	0.47	0.84	0.84	0.80	0.93	1.05	1.05
66	Non-metallic mineral manufactures, n.e.s.	1.31	2.37	2.18	2.18	1.38	2.09	1.95	1.95	11.08	8.48	9.74	9.74	11.58	7.32	11.25	11.25
67	Iron and steel	1.07	1.13	0.79	0.79	0.99	1.08	0.88	0.88	2.71	1.68	3.15	3.15	2.17	0.91	2.59	2.59
68	Non-ferrous metals	1.31	1.13	0.99	0.99	1.38	1.26	1.07	1.07	0.56	0.28	0.24	0.24	1.90	1.95	1.02	1.02
69	Manufactures of metal, n.e.s.	2.30	2.46	2.33	2.33	2.09	2.43	2.33	2.33	6.57	5.52	5.20	5.20	14.55	14.13	8.43	8.43
71	Machinery, other than electric	1.50	1.35	1.33	1.33	1.53	1.56	1.36	1.36	13.50	4.17	3.28	3.28	5.58	7.47	4.93	4.93
72	Electrical machinery, apparatus and appliances	2.28	1.50	1.42	1.42	1.46	1.58	1.42	1.42	5.68	4.56	4.52	4.52	7.76	3.90	6.34	6.34
73	Transport equipment	0.80	0.20	0.25	0.25	0.63	0.41	0.63	0.63	0.01	0.02	0.03	0.03	0.05	0.05	0.05	0.05
81	Sanitary, plumbing, heating and lighting fixtures and fittings	0.30	0.29	0.23	0.23	0.31	0.32	0.31	0.31	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.03
82	Furniture	0.61	0.64	0.63	0.63	0.67	0.77	0.86	0.86	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01
83	Travel goods, handbags and similar articles	0.41	0.39	0.44	0.44	0.45	0.53	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	Clothing	8.85	9.18	9.43	9.43	8.95	9.80	10.00	10.00	0.08	0.09	0.04	0.04	0.11	0.23	0.30	0.30
85	Footwear	0.96	1.03	1.03	1.03	1.06	1.21	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
86	Professional, scientific and controlling instruments, photographic and optical goods, watches and clocks	0.67	0.72	0.69	0.69	0.58	0.65	0.55	0.55	1.82	1.86	1.43	1.43	1.50	2.00	1.89	1.89
89	Miscellaneous manufactured articles, n.e.s.	4.61	5.50	4.95	4.95	4.16	3.87	3.56	3.56	0.64	0.63	0.79	0.79	0.83	0.99	1.70	1.70
90	Commodities and transactions not classified according to kind	1.04	4.09	8.09	8.09	0.72	0.90	1.12	1.12	1.64	4.83	6.08	6.08	1.77	2.13	1.77	1.77
	Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00