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A CATALOG OF INSTRUMENTALLY DETERMINED EARTHQUAKES IN CHINA (MAGNITUDE ≧6) COMPILED FROM VARIOUS SOURCES

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ABSTRACT

A catalog of instrumentally determined earthquakes in China (magnitude ≧6) from 1901 to 1976 has been compiled in a form suitable for computers. The data include the origin time, epicenter, focal depth, magnitude, the province where the earthquake occurred, and information sources. The source materials which we consulted are extensive and include publications in Chinese and Japanese.

INTRODUCTION

In a previous paper, Lee *et al.* (1976) compiled a catalog of historical earthquakes in China from recent Chinese publications. These authors classified past earthquakes into two distinct groups: "historical" and "instrumental". For historical earthquakes, descriptive records were used to derive the earthquake parameters, whereas instrumental earthquakes were located using arrival times from seismograms. This paper deals with the instrumental earthquakes in China, i.e., earthquakes in the period after 1900 A.D. It is a complement to the earlier paper on historical earthquakes, which includes only earthquakes before 1900.

There is considerable interest in the western seismological community regarding Chinese earthquakes. China is one of the few countries that have a long history of earthquakes. China also has an extensive earthquake research program, emphasizing especially earthquake prediction. This was first pointed out by Coe (1971) and Bolt (1974) based on their personal visits. Recently, two American delegations visited China and reported on the Chinese earthquake program (Press *et al.,* 1975), and on the successful prediction of the Haicheng earthquake (Raleigh *et al.,* 1977). For background information on the literature dealing with Chinese earthquakes, the readers may refer to a compilation of abstracts by Lee and Wang (1976).

For evaluating earthquake hazards of a given region, it is indispensable to have an accurate and homogeneous earthquake catalog. Such a catalog is also useful for testing statistical methods that may be applicable in earthquake prediction. We present here our compilation based on sources available to us, and hope that our catalog will serve as a useful index of the large Chinese earthquakes in the past 76 years.

SOURCE MATERIALS

As described in Lee *et al.* (1976), a systematic study of Chinese earthquakes has been undertaken by the Academia Sinica. Recent publications in Chinese include *Catalog of Chinese Earthquakes* (Academia Sinica, 1970) covering the period from 1177 B.C. to 1949 A.D., and *Observational Report of the Chinese Seismic Observatory Network* (Academia Sinica 1973 to the present) for the years 1971 to 1974 (as of July 1977). A brief summary of large earthquakes in China with magnitudes greater than or equal to 6 was first published in 1970 and later revised (Academia Sinica, 1974). It covered the period from 780 B.C. to 1973 A.D.

A critical examination of Academia Sinica (1974) revealed that the earthquake catalog was incomplete, especially for earthquakes in and near Taiwan. Because

about 45 per cent of all Chinese earthquakes occurred in the vicinity of Taiwan, it is important to compile the Taiwanese earthquakes as completely as possible. Apparently, Academia Sinica (1974) did not have access to some critical source materials on Taiwan earthquakes. This is understandable because of the political history of Taiwan. By cross comparison, we found that Academia Sinica (1974) made use of many of western sources (especially the International Seismological Summaries, and Gutenberg and Richter, 1954), but gave no explicit references.

In order to compile a more complete and accurate catalog of instrumental earthquakes in China than Academia Sinica (1974), we have consulted the following major sources as well as those listed in the references. We use a single alphabetic character in our catalog to codify the source; this unique character precedes the sources described below.

A. Academia Sinica, Institute of Geophysics (1974). *Summary of Large Earthquakes in China from 780 B.C. to 1973 A.D. with Magnitude ≧6,* Peking, 31 pp. (in Chinese). This catalog is a revision of the one published in 1970. Unfortunately, it does not describe how the catalog was compiled and what source materials were used.

B. Beijing (Peking) Standard Seismological Station (1974 to 1976), *Monthly Bulletins,* Peking. (in Chinese). A monthly report of earthquake observations at the Peking station is issued promptly by the Institute of Geophysics, Academia Sinica. We have consulted reports covering the period from May 1974 to December 1976.

C. Academia Sinica, Institute of Geophysics (1970). *Catalog of Chinese Earthquakes,* vol. I and II combined, Peking, 361 pp. (in Chinese). Volume I of this catalog covers the period from 1177 B.C. through 1900 A.D., and volume II covers the period from 1901 A.D. through 1949 A.D. Each volume contains three sections: The first section is a catalog of strong earthquakes. The origin time, epicenter location, earthquake intensity, magnitude, historical records, and highlights of field investigations are listed for each earthquake. Isoseismal maps are included for some earthquakes. The second section is a catalog of earthquakes by province and is simply a re-arrangement of the quantitative data given in the first section. The third section includes earthquakes with insufficient data to determine epicenters or data which are questionable.

D. Duda, S. J. (1965). Secular seismic energy release in the Circum-Pacific belt, *Tectonophysics,* **2,** 409–452. This is a well known paper in which the author improves and updates the classical catalog of Gutenberg and Richter (1954) for earthquakes with magnitude 7 or greater.

G. Gutenberg, B. and C. F. Richter (1954). *Seismicity of the Earth and Associated Phenomena,* 2nd edition, Princeton University Press, 310 pp. This is a classic work and its earthquake catalog was carefully done. However, it was pointed out by the authors that they had access to the chief source of data (i.e., International Seismological Summary) only from 1918 through 1941, although their catalog covers 1904 to 1952. Many later users have been unaware of this fact and were led to the erroneous assumption that the Gutenberg and Richter catalog is complete from 1904 to 1952.

H. Hsu, M. T. (1971) Seismicity of Taiwan and some related problems, *Bull. Intern. Inst. Seism. Earthquake Eng.* **8,** 41–160. This paper includes a list of earthquakes in the Taiwan region from 1936 to 1969 and a list of disastrous earthquakes in Taiwan from 1900 to 1970. Although it is the most extensive

published list of Taiwanese earthquakes, some errors and omissions were found.

I. International Seismological Center (1914 to the present). *Bulletins* and its predecessor *International Seismological Summary*. This standard work is the primary source of seismological data and earthquake locations. We have consulted this work for earthquakes up to the end of 1974 (as available in the spring of 1977). For earthquakes prior to the 1960's, we ran into the following two problems: (1) many earthquakes were not independently located but were assigned locations of previous events, and (2) magnitude was not computed because the concept was not introduced until the 1930's and not listed until the 1960's.

J. Japanese Meteorological Agency (1922 to the present). *Seismological Bulletins* (in Japanese). We have consulted these bulletins to clarify a few questionable Taiwanese earthquakes.

K. Katsumata, M. and L. R. Sykes (1969). Seismicity and tectonics of the Western Pacific: Izu-Mariana-Caroline and Ryuku-Taiwan regions, *J. Geophys. Res.* **74,** 5923–5948. These authors relocated 380 earthquakes in the Ryuku-Taiwan region from 1961 to 1967 and 20 additional ones from 1934 to 1960.

N. Nishimura, S. (Editor) (1936). Report of the Hsinchu-Taichung earthquake of April 21, 1935, Taipei Observatory, Taipei, 160 pp. (in Japanese). This report includes a list of felt earthquakes in Taiwan from January to July of 1935, and a chapter on the history of Taiwanese earthquakes. The latter chapter was extremely valuable in our compilation work.

O. Nishimura, S. (Editor) (1942). Report of the Chiayi earthquake of December 1941, Taiwan Meteorological Observatory, Taipei, 227 pp. (in Japanese). This work includes a history of Taiwanese earthquakes from 1935 to 1941 and thus complements the preceding report described above.

P. California Institute of Technology, Seismological laboratory (1931 to the present). *Bulletins.* We have consulted these well known "Pasadena" bulletins mostly on magnitude determinations.

Q. Omori, F. (1907). Preliminary note on the Formosa earthquake of March 17, 1906, *Bull. Imp. Earthquake Invest. Comm. (Japan)* **1,** 53–69. On the Bokusekikaku and Basshisho (Formosa) earthquake of January 11, 1908, *Bull. Imp. Earthquake Invest. Comm. (Japan)* **2,** 156–165. These two papers by the well known Japanese seismologist F. Omori contain results of personal investigations. They are the best sources for some of the earlier Taiwanese earthquakes.

R. Rothe, J. P. (1969). *The Seismicity of the Earth, 1953–1965,* UNESCO, Paris, 336 pp. (in both English and French). This work is designed to be a continuation of Gutenberg and Richter (1954), but some errors and omissions were found.

U. National Geophysical and Solar-Terrestrial Data Center, (1976). *Earthquake Data File (EDF) Tape.* This is a magnetic tape file of earthquake origin times, locations, magnitudes, and related information that have been compiled from many sources, especially the Preliminary Determination of Epicenters (PDE) and Gutenberg and Richter (1954) (Meyers and Von Hake, 1976). It contains information on approximately 116,000 earthquakes from June 11, 1638 to December 31, 1974, and is the most extensive earthquake catalog

available for computer use. However, it has many transcription errors, and gives only one source for each earthquake entry.

Y. Wu, K. T. *et al.* (1976). Certain characteristics of Haicheng earthquake (M = 7.3) sequence, *Acta Geophys. Sinica* **19,** 95–109 (in Chinese). This paper deals with the famous Haicheng earthquake, the first major earthquake to have been successfully predicted.

Z. Zhu, C. N. and C. Z. Chen (1976). The rupture mechanism of the Zhaotong earthquake of 1974 in Yunnan Province, *Acta Geophys. Sinica* **19,** 317–329 (in Chinese). This paper concerns the magnitude 7.1 Zhaotong earthquake which occurred in the southwestern part of China.

Method of Compilation

Information for a given earthquake from a given source may be codified on one punched card, input into a computer as one record, and listed on the printout as one line. A computer listing of Chinese earthquakes in chronological order was prepared by combining (1) earthquakes in the EDF tape that were located in China (source U), and (2) earthquakes listed in sources A and C. If the origin times are within one minute, records of an earthquake from different sources are considered as one event and are listed in a group of successive lines. Different earthquake events are well separated by blank lines in the listing.

This list contains 2,599 events from 1901 to 1973, and some events may have more than one entry line. We checked it against the International Seismological Summaries (ISS) and Bulletins of the International Seismological Center (ISC). If we found a hypocenter solution in ISS or ISC, we entered it on our list. There is a drawback in this checking, because we will miss any Chinese earthquakes in the ISS or ISC that are not in our computer listing. However, it is not practical to study every entry of ISS or ISC. Furthermore, by entering additional sources (as described below) and checking new entries, it is unlikely that a significant number of earthquakes will be missed.

We then added earthquake data from sources D, H, K, N, O, Q, and R to our list, and created new entires if necessary. We studied each earthquake entry, and decided whether or not its magnitude was greater than or equal to 6. We tried to assign magnitude in M_S scale similar to that used by Gutenberg and Richter (1954). Since determining magnitude from original seismograms are time consuming, our judgment on magnitude was based on secondary evidence—magnitude given by various sources, number and distance of stations reporting arrival times in ISS or ISC, bulletins from various observatories, especially JMA and Pasadena (sources J and P), and reports on field observation of earthquakes, etc. (see References for articles we consulted). For earthquakes from 1974 to 1976, we have only preliminary data, mostly from PDE reports and monthly reports from the Peking station (sources U and B). We ended up with a selection of 579 earthquakes of magnitude 6 or greater for the period 1901 through 1976.

For each selected earthquake, we examined entries from various sources and decided from collective evidence and common sense the "best" value for (1) origin time, (2) hypocenter location, and (3) magnitude, and noted which source we chose for these three categories. Because some data from later works were copied from earlier ones, we assigned credit to the earliest source whenever values from several sources were identical. In some cases where available sources did not seem to give reasonable values to choose from, we have assigned values ourselves (often by averaging) and noted the source as L.

TABLE 1. CHRONOLOGICAL LIST OF CHINESE INSTRUMENTAL EARTHQUAKES.

ODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
AAA	1901	2	15				26.0 N	100.0 E		6.	AC	YUNNAN
NQH	1901	6	7	00	05		24.8 N	121.8 E		6.0		TAIWAN *
AAA	1902	8	22	03	00		40.0 N	76.5 E		8.25	ACD U	SINKIANG
QQL	1903	9	7	07	14		22.7 N	121.1 E		6.		TAIWAN *
QQL	1904	4	24	06	39		23.42N	120.5 E		6.25	C	TAIWAN
AAA	1904	8	30				31.2 N	100.9 E		6.	AC	SZECHWAN
QQA	1904	11	5	20	25		23.5 N	120.42E		6.25	AC	TAIWAN
GGG	1905	8	25	09	46	45.	43.0 N	129.0 E	470	6.75	AC G U	KIRIN
NNL	1905	8	28	04	22		24.2 N	121.7 E		6.		TAIWAN *
NNL	1906	3	16	22	42		23.6 N	120.5 E		7.	ACD	TAIWAN
NNL	1906	3	26	02	29		23.7 N	120.5 E		6.		TAIWAN
NNL	1906	4	6	16	53		23.4 N	120.4 E		6.25		TAIWAN
NNL	1906	4	7	22	40		23.4 N	120.4 E		6.25		TAIWAN
NNL	1906	4	13	19	18		23.4 N	120.4 E		6.5	AC	TAIWAN
NN.	1906	4	13	23	52		23.4 N	120.4 E		6.5		TAIWAN
GAA	1906	12	22	18	21		43.9 N	85.6 E		8.	ACDG U	SINKIANG
NND	1908	1	11	03	35		23.7 N	121.4 E		7.3	D	TAIWAN
DDD	1908	2	9	18	13		26.0 N	100.0 E		7.3	D	YUNNAN
DDD	1908	8	20	09	53		32.0 N	89.0 E		7.0	D	TIBET
NNG	1909	4	14	19	54		25.0 N	121.5 E		7.3	ACDG U	TAIWAN
AAA	1909	5	11				24.4 N	103.0 E		6.5	AC	YUNNAN
NND	1909	11	21	07	36		24.4 N	121.8 E		7.3	D	TAIWAN *
GGG	1910	1	8	14	49	30.	35.0 N	122.0 E		6.75	AC G U	HUANGHAI*
GLG	1910	4	12	00	22	13.	25.1 N	121.9 E		7.75	ACDG U	TAIWAN *
NHH	1910	6	17	05	28		21.0 N	121.0 E		7.0		TAIWAN *
GGG	1910	7	12	07	36	12.	37.0 N	76.0 E	120	6.75	AC G U	SINKIANG
NNL	1910	9	1	00	45		22.7 N	121.7 E		6.5	D	TAIWAN *
NNL	1910	9	1	14	21		24.1 N	122.4 E		6.5	D	TAIWAN *
NLL	1911	3	24	03	17		24. N	122. E		6.		TAIWAN *
GGS	1911	10	14	23	24	00.	31.0 N	80.5 E		6.75	AC G U	TIBET
NLL	1912	11	3	06	05		24. N	122. E		6.		TAIWAN *
NNL	1912	12	24	18	07		24.0 N	121.6 E		6.		TAIWAN
NNL	1913	1	7	22	50		24.0 N	121.6 E		6.5		TAIWAN
GGS	1913	3	6	02	09	00.	30.0 N	83.0 E		6.2	AC G U	TIBET
GGG	1913	3	6	11	04	00.	30.0 N	83.0 E		6.4	ACDG U	TIBET
AAA	1913	8					28.4 N	102.3 E		6.	AC	SZECHWAN
AAA	1913	12	21	15	37	35.	24.2 N	102.5 E		6.5	ACD	YUNNAN
GGG	1914	3	28	10	44	48.	25.0 N	99.0 E	100	6.9	GIU	YUNNAN
GGG	1914	7	6	06	37	30.	24.0 N	122.0 E	60	6.75	AC GIU	TAIWAN *
AAG	1914	8	4	22	41	36.	43.3 N	93.1 E		7.5	AC GI	SINKIANG
IIA	1914	10	9	02	39	10.	35.0 N	78.0 E		6.5	AC I	SINKIANG
GGG	1915	1	5	23	26	42.	25.0 N	123.0 E	160	7.25	DGI	TAIWAN *
IIA	1915	4	28	03	19	46.	34.5 N	96.0 E		6.5	AC I	TSINGHAI
AAA	1915	5	5	15	12	08.	34.0 N	96.0 E		6.5	AC	TSINGHAI
IIA	1915	12	3	02	39	19.	29.5 N	91.5 E		7.	ACD I	TIBET
NNA	1916	8	28	07	27		23.72N	120.92E		6.	AC	TAIWAN
NNA	1916	11	14	22	31		24.03N	120.8 E		6.	AC I	TAIWAN
NNA	1917	1	4	16	50		23.92N	120.88E		6.25	AC I	TAIWAN
NNL	1917	1	6	18	08		23.95N	120.93E		6.		TAIWAN
IAA	1917	1	24	00	48	12.	31.3 N	116.3 E		6.25	AC I	ANHWEI
DDD	1917	7	4	00	38	20.	25.0 N	123.0 E		7.7	D I	TAIWAN *
DDD	1917	7	4	05	36	30.	25.0 N	123.0 E		7.2	D I	TAIWAN *
IAA	1917	7	30	23	54	05.	28.0 N	104.0 E		6.5	ACD I	YUNNAN
GGG	1917	7	31	03	23	10.	42.5 N	131.0 E	460	7.5	ACDGIU	KIRIN
IIA	1917	9	4	16	42	16.	39.0 N	95.0 E		6.	AC I	TSINGHAI
IIA	1918	2	4	17	54	49.	29.6 N	87.8 E		6.	AC I	TIBET
GGG	1918	2	9	20	46	26.	43.0 N	130.0 E	450	6.5	AC G U	KIRIN
GAG	1918	2	13	06	07	13.	23.0 N	117.0 E		7.3	ACDGIU	KWANGTU.
NNL	1918	3	27	03	52		24.6 N	121.9 E		6.	I	TAIWAN *
GGG	1918	4	10	02	03	54.	43.5 N	130.5 E	570	7.2	ACDGIU	KIRIN
NNL	1918	6	7	04	55		24.3 N	121.3 E		6.	C I	TAIWAN
NLL	1918	9	24	00	03		23.5 N	120.6 E		6.	C I	TAIWAN
NLL	1918	12	18	17	17		23.0 N	120.8 E		6.	C I	TAIWAN
IIA	1919	5	29	10	59	45.	31.5 N	100.5 E		6.25	AC I	SZECHWAN
NNL	1919	7	18	15	07		24.1 N	121.9 E		6.	I	TAIWAN *
IIA	1919	7	24	02	03	20.	40.0 N	76.0 E		6.5	AC I	SINKIANG
IIA	1919	8	25	19	55	15.	32.0 N	100.0 E		6.25	AC I	SZECHWAN
NNA	1919	8	28	19	34		23.8 N	121.8 E		6.	AC I	TAIWAN *
NNA	1919	10	31	19	02		23.1 N	122.2 E		6.	AC I	TAIWAN *
INA	1919	12	20	19	34	00.	22.8 N	121.7 E		6.25	AC I	TAIWAN *
ING	1919	12	20	20	37	24.	22.8 N	121.7 E		7.0	ACDGIU	TAIWAN *
INA	1920	1	22	21	44	30.	24.5 N	122.1 E		6.25	AC I	TAIWAN *
IIA	1920	5	2	08	27	50.	35.0 N	90.5 E		6.25	AC I	TSINGHAI
IIA	1920	5	2	14	46	40.	35.0 N	90.5 E		6.25	AC I	TSINGHAI
NNL	1920	5	29	12	23		24.4 N	122.7 E		6.	C I	TAIWAN *
GNG	1920	6	5	04	21	28.	24.0 N	122.0 E		8.	ACDGIU	TAIWAN *
GGG	1920	10	12	06	54	48.	36.0 N	81.0 E		6.25	AC GIU	SINKIANG
INA	1920	10	20	10	02	16.	24.1 N	122.3 E		6.5	AC I	TAIWAN *
INA	1920	10	20	19	16	00.	24.1 N	122.3 E		6.25	AC I	TAIWAN *
AAG	1920	12	16	12	05	53.	36.5 N	105.7 E		8.5	ACDGIU	NINGSIA
AAA	1920	12	25	11	33	08.	35.6 N	106.3 E		7.	AC I	NINGSIA
AAA	1920	12	28	03	16	30.	35.5 N	105.5 E		6.25	AC I	KANSU
IIL	1921	1	6	23	09	45.	38.0 N	107.0 E		6.	C I	NINGSIA
IIA	1921	1	7	09	42	25.	38.0 N	107.0 E		6.	AC I	NINGSIA
IAA	1921	3	19	08	19	45.	23.5 N	117.0 E		6.25	AC I	KWANGTU.
IIA	1921	4	2	09	36	45.	23.3 N	122.0 E		6.5	AC I	TAIWAN *
AAA	1921	4	12	09	36	00.	35.8 N	106.2 E		6.5	AC I	NINGSIA
IIA	1921	7	19	17	03	00.	23.0 N	121.7 E		6.	AC I	TAIWAN *
NNL	1921	8	29	15	07		24.4 N	120.8 E		6.		TAIWAN
IIA	1921	10	14	16	43	45.	30.5 N	91.0 E		6.25	AC I	TIBET
NNL	1922	5	22	18	05		23.3 N	121.4 E		6.	I	TAIWAN
NNL	1922	7	2	13	30		23.8 N	122.3 E		6.	I	TAIWAN *
JJA	1922	7	19	12	54		24.2 N	122.3 E		6.	AC I	TAIWAN *
GNG	1922	9	1	19	16	06.	24.6 N	122.2 E		7.6	ACDGIU	TAIWAN *
LLA	1922	9	4	17	53		24.6 N	122.2 E		6.5	AC I	TAIWAN *
GNG	1922	9	14	19	31	39.	24.6 N	122.3 E		7.2	ACDGIU	TAIWAN *
NNA	1922	9	16	22	44		23.9 N	122.5 E		6.	AC I	TAIWAN *
LLA	1922	9	17	07	22		23.9 N	122.5 F		6.	AC I	TAIWAN *
LLA	1922	9	17	07	53		23.9 N	122.5 E		6.25	AC I	TAIWAN *
LLA	1922	9	17	09	59		23.9 N	122.5 E		6.75	AC I	TAIWAN *

TABLE 1. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
LLA	1922	9	18	06	20		23.9 N	122.5 E		6.	AC I	TAIWAN *
LLA	1922	10	14	03	56		24.6 N	122.3 E		6.	AC I	TAIWAN *
NNA	1922	10	16	23	47		24.6 N	122.3 E		6.75	AC I	TAIWAN *
GGG	1922	10	16	16	01	32.	39.5 N	91.0 E		6.5	AC GIU	SINKIANG
IIA	1922	10	27	14	22	40.	25.3 N	122.0 E		6.5	AC I	TAIWAN *
NNA	1922	12	2	03	46		24.6 N	122.0 E		6.25	AC I	TAIWAN *
GAG	1923	3	24	12	40	06.	31.3 N	100.8 E		7.3	ACDGIU	SZECHWAN
NNL	1923	4	5	22	10		24.7 N	122.3 E		6.	C I	TAIWAN *
AAA	1923	4	23	03	17	00.	29.0 N	124.5 E		6.75	AC I	TUNG HAI*
NNL	1923	5	4	10	41		23.3 N	120.3 E		6.	I	TAIWAN
AAA	1923	7	1	07	54	55.	23.0 N	101.0 E		6.5	AC I	YUNNAN
NNA	1923	7	2	02	32		23.1 N	122.0 E		6.5	AC I	TAIWAN *
AAA	1923	8					28.7 N	102.2 E		6.	AC	SZECHWAN
NNA	1923	8	27	11	15		24.1 N	122.1 E		6.25	AC I	TAIWAN *
IIA	1923	10	20	3	18	48.	30.0 N	99.0 E		6.5	AC I	SZECHWAN
NNL	1923	11	18	21	30		24.2 N	122.5 E		6.	I	TAIWAN *
NNL	1923	11	25	17	04		23.8 N	122.9 E		6.	I	TAIWAN *
NNL	1924	1	15	11	36		22.1 N	120.0 E		6.	I	TAIWAN *
AAG	1924	7	3	04	40	10.	36.8 N	83.8 E		7.2	ACDGIU	SINKIANG
AAG	1924	7	11	19	44	44.	37.1 N	83.6 E		7.2	ACDGIU	SINKIANG
NNA	1924	7	22	14	24		23.8 N	122.3 E		6.25	AC I	TAIWAN *
GGG	1924	10	8	20	32	57.	30.0 N	90.0 E		6.5	AC GIU	TIBET
NNL	1925	3	1	12	26		23.1 N	121.3 E		6.	C I	TAIWAN
AAG	1925	3	16	14	42	17.	25.7 N	100.3 E		7.1	ACDGIU	YUNNAN
IIA	1925	3	16	23	50	26.	25.0 N	100.5 E		6.25	AC I	YUNNAN
NNG	1925	4	16	19	53		20.4 N	120.2 E		7.1	ACDGIU	TAIWAN *
NNL	1925	5	24	01	25		23.9 N	121.9 F		6.	I	TAIWAN *
GGG	1925	12	7	08	34	30.	37.0 N	76.5 E		6.	AC GIU	SINKIANG
GGG	1926	6	4	06	50	58.	35.0 N	89.5 E		6.	AC GIU	TIBET
IIA	1926	8	3	03	41	30.	22.0 N	121.0 E		6.5	AC I	TAIWAN *
AAG	1926	8	6	22	45	59.	35.4 N	78.7 E		6.25	AC G	SINKIANG
NNA	1926	9	12	15	44		22.7 N	122.5 E		6.25	AC I	TAIWAN *
NNL	1926	11	1	23	31		24.9 N	122.7 E		6.	I	TAIWAN *
GGG	1927	2	3	03	53	10.	33.5 N	121.0 E		6.5	AC GIU	HUANGHAI*
GAA	1927	3	14	17	37	39.	25.4 N	103.1 E		6.	AC GIU	YUNNAN
AAG	1927	3	15	21	48	37.	38.2 N	98.2 E		6.	AC GIU	TSINGHAI
GGG	1927	4	30	13	56	47.	38.5 N	78.0 E		6.	AC GIU	SINKIANG
GGG	1927	5	17	21	44	16.	44.0 N	131.0 E	430	6.5	AC GIU	HEILUNG.
AAG	1927	5	22	22	32	47.	37.4 N	102.6 E	25	8.0	ACDGIU	KANSU
AAA	1927	5	23	13	51	10.	37.7 N	102.2 E		6.	AC I	KANSU
NNG	1927	8	24	18	09		23.3 N	120.3 E		6.75	AC GIU	TAIWAN
AAG	1927	9	23	13	54	13.	42.3 N	85.6 E		6.75	AC GIU	SINKIANG
NNL	1928	1	20	06	47		24.2 N	121.8 E		6.		TAIWAN *
NNL	1928	1	27	22	23		22.8 N	121.1 E		6.	C I	TAIWAN
AAG	1928	3	7	22	43	28.	37.6 N	102.2 E		6.	AC GIU	KANSU
NNL	1928	4	24	19	45		24.5 N	121.4 E		6.	C I	TAIWAN
GGG	1928	6	7	06	24	35.	44.0 N	131.0 E	430	6.	AC GIU	HEILUNG.
IIA	1928	8	5	14	41	51.	25.0 N	119.0 E		6.25	AC I	NAN HAI *
AAA	1929	1	13	18	44	39.	40.7 N	111.3 E		6.	AC I	INNER M.
NNL	1929	2	8	07	41		24.8 N	122.1 E		6.	C I	TAIWAN *
GGA	1929	3	22	03	04	04.	24.0 N	103.0 E		6.25	AC GIU	YUNNAN
NNG	1929	8	19	02	44		24.2 N	122.5 E		6.75	AC GIU	TAIWAN *
LLA	1929	8	19	20	44		24.7 N	122.5 E		6.25	AC I	TAIWAN *
LLA	1929	8	20	16	38		24.2 N	122.5 E		6.25	AC I	TAIWAN *
LLA	1929	9	11	22	18		24.2 N	122.5 E		6.	AC I	TAIWAN *
AAA	1929	10	16	20	27	37.	25.8 N	98.7 E		6.5	AC I	YUNNAN
NNG	1929	10	24	06	34		22.4 N	122.5 E		6.5	AC GIU	TAIWAN *
NNL	1929	12	18	06	59		24.6 N	122.7 E		6.	I	TAIWAN *
AAA	1930	4	28	18	34	37.	25.8 N	98.6 E		6.25	AC I	YUNNAN
NNG	1930	5	19	15	04		20.4 N	120.5 E		6.5	GIU	TAIWAN *
AAG	1930	7	13	19	27	21.	38.1 N	98.2 E		6.5	AC GIU	TSINGHAI
NNL	1930	8	20	20	54		24.6 N	122.0 E	40	6.5	AC I	TAIWAN *
NNL	1930	9	9	19	04		24.7 N	122.6 E	20	6.		TAIWAN *
AAA	1930	9	21	23	04	14.	25.8 N	98.4 E		6.5	AC I	YUNNAN
AAA	1930	9	25	18	33	34.	25.3 N	98.9 E		6.	AC I	YUNNAN
AAA	1930	11	4	15	38	03.	25.6 N	98.3 E		6.	AC I	YUNNAN
NNL	1930	11	11	08	30		25.0 N	121.8 E		6.	C I	TAIWAN
AAA	1930	12	2	07	01	76.	25.8 N	98.3 E		6.	A I	YUNNAN
NNL	1930	12	8	06	20		23.3 N	120.4 E		6.	I	TAIWAN
INL	1930	12	8	08	01	05.	23.3 N	120.4 E		6.5	AC I	TAIWAN
NNL	1930	12	21	14	55		23.3 N	120.4 E		6.5	I	TAIWAN
NNL	1930	12	21	23	52		23.3 N	120.4 E		6.5	I	TAIWAN
NNL	1930	12	22	00	08		23.3 N	120.4 E		6.5	C I	TAIWAN
NNG	1931	1	1	23	52		23.7 N	122.1 E		6.25	AC GIU	TAIWAN *
NNG	1931	2	13	00	41		24.1 N	121.9 E		6.	AC GIU	TAIWAN *
IIA	1931	7	25	12	40	06.	25.5 N	98.5 E		6.	AC I	YUNNAN
AAG	1931	8	10	21	18	43.	47.1 N	89.8 E		8.0	ACDGIU	SINKIANG
AAG	1931	8	18	14	21	04.	47.4 N	90.0 E		7.2	ACDGIU	SINKIANG
AAG	1931	9	21	10	27	20.	19.8 N	113.1 E		6.75	AC GIU	NAN HAI *
NNL	1931	10	24	12	37		24.0 N	122.2 E		6.	GI	TAIWAN *
GGG	1931	11	5	12	19	33.	47.0 N	90.0 E		6.25	AC GIU	SINKIANG
IAA	1932	3	6	21	43	50.	30.1 N	101.8 E		6.	AC I	SZECHWAN
AAG	1932	4	6	09	11	18.	31.4 N	115.0 E		6.	AC GIU	HUPEH
GGG	1932	8	21	04	15	35.	24.5 N	121.5 E		6.5	AC GIU	TAIWAN
AAG	1932	8	22	11	12	42.	36.1 N	121.6 E		6.25	AC GIU	HUANGHAI*
AAG	1932	9	11	14	13	12.	45.1 N	83.0 E		6.	AC GIU	SINKIANG
GGG	1932	10	9	12	49	49.	23.5 N	122.5 E	130	6.	AC GIU	TAIWAN *
GGG	1932	10	23	21	27	48.	24.5 N	122.25E		6.25	AC GIU	TAIWAN *
GGG	1932	12	15	19	33	38.	21.0 N	121.0 E		6.	AC GIU	TAIWAN *
AAG	1932	12	25	02	04	27.	39.7 N	97.0 E		7.6	ACDGIU	KANSU
AAG	1933	2	13	02	49	15.	46.3 N	90.5 E		6.5	AC GIU	SINKIANG
NNL	1933	2	19	04	26		24.5 N	122.8 E	100	6.	GI	TAIWAN *
NNG	1933	4	19	06	44		24.3 N	121.5 E		6.5	AC GIU	TAIWAN
AAG	1933	6	7	11	46	08.	27.5 N	99.9 E		6.25	AC GIU	YUNNAN
AAG	1933	8	11	08	54	06.	25.9 N	98.4 E		6.5	A GIU	YUNNAN
AAG	1933	8	25	07	50	30.	32.0 N	103.7 E		7.4	ACDGIU	SZECHWAN
GGG	1933	9	9	05	02	35.	44.0 N	130.0 E	590	6.25	AC GIU	HEILUNG.
AAG	1933	9	25	18	51	27.	38.3 N	86.9 E		6.75	AC GIU	SINKIANG
AAG	1934	1	12	13	31	52.	23.7 N	102.7 E		6.	AC GIU	YUNNAN
AAG	1934	1	19	12	33	11.	25.9 N	98.3 E		6.	A GIU	YUNNAN

TABLE 1. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
AAG	1934	1	20	17	56	16.	41.1 N	108.3 E		6.25	AC GIU	INNER M.
GNG	1934	4	16	13	40	18.	21.8 N	121.2 E		6.	AC GIU	TAIWAN *
AAG	1934	6	23	05	19	55.	33.0 N	92.8 E		6.	AC GIU	TSINGHAI
AAA	1934	8	7	11	50	04.	44.6 N	87.7 E		6.	AC GIU	SINKIANG
NNG	1934	8	11	08	18		24.82N	121.82E		6.5	AC GIU	TAIWAN *
AAG	1934	12	15	01	57	40.	31.3 N	89.0 E		7.1	ACDGIU	TIBET
AAG	1935	1	3	01	50	17.	30.8 N	88.2 E		6.5	AC GIU	TIBET
NNG	1935	2	9	19	19		24.9 N	122.1 E	60	6.25	AC GIU	TAIWAN *
NNA	1935	2	22	08	55		24.1 N	121.8 E	10	6.	AC I	TAIWAN *
GGG	1935	3	28	23	47	51.	43.0 N	131.0 E	550	6.25	AC GIU	KIRIN
GNG	1935	4	20	22	01	54.	24.35N	120.82E	10	7.1	ACDGIU	TAIWAN
GNG	1935	4	20	22	26	26.	24.7 N	120.9 E		6.	AC GIU	TAIWAN
AAA	1935	4	28				29.4 N	102.3 E		6.	AC	SZECHWAN
GNG	1935	5	4	23	02	24.	24.52N	120.82E		6.	AC GIU	TAIWAN
AAG	1935	5	21	04	22	34.	28.8 N	89.5 E	140	6.25	AC GIU	TIBET
NNA	1935	7	16	16	19		24.4 N	120.7 E	30	6.5	AC IU	TAIWAN
AAG	1935	7	26	10	32	31.	33.3 N	101.1 E		6.	AC GIU	TSINGHAI
GDG	1935	9	4	01	37	41.	22.5 N	121.55E		7.2	ACDGIU	TAIWAN *
OOA	1935	9	4	01	54		22.5 N	121.8 E		6.	AC I	TAIWAN *
OOA	1935	9	4	03	28		22.5 N	121.3 E		6.	AC I	TAIWAN *
AAG	1935	12	18	07	10	36.	28.6 N	103.7 E		6.	AC GIU	SZECHWAN
AAA	1935	12	18	16	59	30.	29.1 N	103.3 E		6.	AC I	SZECHWAN
AAA	1936	1	27	19	30	22.	45.0 N	91.6 E		6.	AC GIU	SINKIANG
AAG	1936	2	7	08	56	27.	35.4 N	103.4 E		6.75	AC GIU	KANSU
AAA	1936	4	1				22.5 N	109.4 E		6.75	AC	KWANGSI
AAG	1936	4	26	23	59	11.	28.7 N	103.7 E		5.75	AC GIU	SZECHWAN
IIA	1936	4	27	05	42	37.	28.7 N	103.2 E		6.	AC I	SZECHWAN
AAG	1936	5	16	07	05	44.	28.5 N	103.6 E		6.75	AC GIU	SZECHWAN
OOL	1936	5	28	12	28		21.7 N	120.3 E		6.	C I	TAIWAN *
AAG	1936	8	1	06	24	30.	34.2 N	105.7 E		6.	AC GIU	KANSU
OOG	1936	8	22	06	51		22.0 N	121.2 E		7.2	ACDGIU	TAIWAN *
OOL	1936	8	22	11	09		22.2 N	121.2 E		6.	C I	TAIWAN *
AAG	1937	1	7	13	20	41.	35.5 N	97.6 E		7.6	ACDGIU	TSINGHAI
AAG	1937	7	31	20	35	48.	35.2 N	115.3 E		6.9	AC GIU	SHANTUNG
AAG	1937	8	1	10	41	05.	35.3 N	115.4 E		6.75	AC GIU	SHANTUNG
GGG	1937	11	15	21	37	34.	35.0 N	78.0 E	100	6.5	AC GI	SINKIANG
OOG	1937	11	26	10	45		24.2 N	123.0 E		6.	GI	TAIWAN *
OOG	1937	12	08	08	32		23.1 N	121.4 E		7.	ACDGIU	TAIWAN *
OOA	1937	12	08	20	38		23.1 N	121.4 E		6.25	AC I	TAIWAN *
OOA	1937	12	13	18	53		22.8 N	121.3 E		6.75	AC IU	TAIWAN *
OOA	1937	12	17	09	32		22.8 N	121.5 E		6.75	AC IU	TAIWAN *
OOL	1938	2	8	13	13		24.8 N	122.1 E		6.	C I	TAIWAN *
AAA	1938	3	14	05	14	21.	32.3 N	103.6 E		6.	AC IU	SZECHWAN
IAA	1938	5	14	12	03	03.	23.0 N	99.8 E		6.	AC I	YUNNAN
AAA	1938	8	22	21	37	24.	37.4 N	98.5 E		6.	AC GIU	TSINGHAI
OOL	1938	8	28	00	35		21.6 N	122.5 E	40	6.		TAIWAN *
OOL	1938	9	1	02	54		23.7 N	122.4 E		6.	IU	TAIWAN *
OOG	1938	9	7	04	03		23.8 N	121.8 E		7.	ACDGIU	TAIWAN *
OOA	1938	10	13	15	26		24.0 N	121.1 E		6.25	AC IU	TAIWAN
GGG	1938	10	21	06	46	22.	43.5 N	131.0 E	550	6.25	AC GIU	HEILUNG.
AAG	1938	11	21	01	11	31.	29.9 N	95.3 E		6.	AC GIU	TIBET
OOL	1938	11	21	06	40		24.1 N	121.2 E		6.	C I	TAIWAN
AAA	1938	12	02	22	14	20.	33.2 N	90.4 E		6.	AC I	TIBET
OOG	1938	12	06	23	01		22.9 N	121.6 E		7.	ACDGIU	TAIWAN *
OOA	1938	12	7	15	01		23.0 N	121.5 E		6.	AC I	TAIWAN *
OOL	1938	12	22	16	57		24.0 N	122.6 E		6.	IU	TAIWAN *
IIA	1939	2	23	15	40	46.	62.5 N	82.5 E		6.	AC GIU	SINKIANG
OOL	1939	5	16	07	20		23.6 N	122.0 E		6.25	AC IU	TAIWAN *
OOL	1939	11	7	03	53		24.4 N	120.8 E		6.	C I	TAIWAN
AAG	1940	1	19	05	23	48.	42.7 N	121.3 E		6.	AC GIU	INNER M.
AAG	1940	4	6	13	43	02.	23.8 N	102.4 E		6.	AC GIU	YUNNAN
IIG	1940	7	10	05	49	52.	44.9 N	130.4 E	560	7.3	AC GIU	HEILUNG.
OOL	1940	8	5	21	30		24.4 N	122.5 E		6.	I	TAIWAN *
AAA	1940	9	3	14	40	37.	30.7 N	91.7 E		6.25	AC GIU	TIBET
IIG	1940	10	4	04	35	51.	30.5 N	91.5 E		6.	AC GIU	TIBET
OOL	1941	1	3	14	13		24.0 N	121.8 E		6.		TAIWAN *
AAG	1941	1	21	12	42	01.	27.5 N	91.9 E	180	6.75	AC GIU	TIBET
AAG	1941	4	19	07	53	45.	39.1 N	97.0 E		6.	AC GIU	TSINGHAI
AAG	1941	5	5	15	18	27.	46.7 N	127.1 E		6.	AC GIU	HEILUNG.
GAG	1941	5	16	07	14	32.	23.6 N	99.4 E		6.9	AC GIU	YUNNAN
AAG	1941	6	11	23	13	31.	30.1 N	102.5 E		6.	AC GIU	SZECHWAN
OOL	1941	10	1	08	24		24.7 N	122.0 E		6.		TAIWAN *
AAA	1941	10	8	15	24	20.	32.1 N	103.3 E		6.	AC I	SZECHWAN
AAA	1941	10	31	06	31	06.	25.4 N	98.4 E		6.25	AC I	YUNNAN
OOG	1941	12	16	19	19		23.4 N	120.4 E		7.1	ACDGIU	TAIWAN
AAG	1941	12	26	14	48	09.	22.2 N	100.1 E		7.	ACDGIU	YUNNAN
AAA	1942	1	31	17	30	47.	22.8 N	101.0 E		6.75	AC I	YUNNAN
IIA	1942	5	24	21	19	32.	22.9 N	121.5 E		6.25	AC I	TAIWAN *
IIA	1942	7	8	21	22	27.	43.0 N	122.0 E		6.	AC I	KIRIN
IIA	1942	9	1	18	59	34.	47.0 N	127.0 E		6.	AC I	HEILUNG.
IIA	1942	9	24	03	38	58.	23.9 N	121.7 E		6.5	AC I	TAIWAN *
IHA	1943	10	22	16	01	15.	23.8 N	121.5 E	5	6.25	AC I	TAIWAN
IHA	1943	11	7	08	25	45.	21.6 N	119.3 E	60	6.	AC I	TAIWAN *
IHA	1943	11	23	21	51	35.	24.0 N	121.7 E		6.	AC I	TAIWAN *
GGG	1943	11	24	13	17	13.	22.5 N	122.0 E		6.9	AC GIU	TAIWAN *
IJA	1943	12	2	05	08	57.	22.9 N	121.6 E		5.5	AC IU	TAIWAN *
IHL	1944	2	5	17	19	56.	23.8 N	121.4 E	5	6.5	IU	TAIWAN
IIA	1944	3	9	22	03	43.	42.5 N	82.5 E		6.5	AC IU	SINKIANG
IIG	1944	3	9	22	12	57.	42.5 N	82.5 E		7.2	ACDGIU	SINKIANG
AAG	1944	9	27	16	25	07.	39.1 N	75.0 E		7.	ACDGIU	SINKIANG
IIA	1944	9	27	16	52	57.	38.5 N	74.8 E		6.	AC I	SINKIANG
AAG	1944	10	17	18	36	56.	31.4 N	83.3 E		6.75	AC GIU	TIBET
IIG	1944	10	29	00	11	30.	31.3 N	83.4 E		6.75	AC GIU	TIBET
IIA	1944	11	6	05	49	05.	31.3 N	83.4 E		6.	AC I	TIBET
AAG	1944	12	19	14	09	04.	39.7 N	124.3 E		6.75	AC GIU	LIAONING*
LHL	1945	4	10	16	16		23.5 N	121.5 E		6.	AC I	TAIWAN *
IIA	1945	8	1	22	23	15.	23.9 N	121.7 E		6.5	AC IU	TAIWAN *
IIA	1945	8	2	17	52	07.	20.4 N	120.4 E		6.	AC IU	TAIWAN *
AAG	1945	9	23	15	34	23.	39.7 N	118.7 E		6.25	AC GIU	HOPEH
IIA	1945	10	21	03	21	03.	23.7 N	120.5 E		6.25	AC IU	TAIWAN

TABLE 1. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
GGG	1946	1	11	01	33	29.	44.0 N	129.5 E	580	7.2	ACDGIU	HEILUNG.
IIA	1946	2	19	18	55	23.	35.0 N	88.5 E		6.	AC I	TIBET
HHA	1946	3	16	11	31		23.7 N	121.7 E		6.	AC I	TAIWAN *
LHA	1946	6	2	01	08		23.8 N	122.4 E		6.25	AC I	TAIWAN *
HHA	1946	9	9	10	35		23.7 N	121.6 E		6.	AC I	TAIWAN *
AAA	1946	11	6	19	56	23.	34.5 N	80.6 E		6.25	AC I	TIBET
HHA	1946	12	4	22	47		23.1 N	120.3 E		6.75	AC I	TAIWAN
GGG	1946	12	19	02	57	19.	24.75N	122.5 E	100	6.75	AC GIU	TAIWAN *
AAA	1947	2	10	04	02	02.	31.8 N	85.4 E		6.25	AC I	TIBET
IIA	1947	3	16	09	32	34.	24.3 N	122.3 E		5.	AC I	TAIWAN *
AAG	1947	3	17	08	19	41.	33.3 N	99.5 E		7.7	ACDGIU	TSINGHAI
HHA	1947	4	2	20	46		24.4 N	121.8 E	20	6.25	AC I	TAIWAN *
AAG	1947	7	29	13	43	33.	28.6 N	93.6 E		7.7	ACDGIU	TIBET
IIA	1947	8	17	09	04	40.	24.3 N	122.3 E		6.	AC GI	TAIWAN *
AAA	1947	8	24	11	37	04.	41.5 N	81.9 E		6.25	AC I	SINKIANG
IIA	1948	2	13	04	57	09.	36.0 N	80.5 E		6.25	AC I	SINKIANG
IIA	1948	3	3	09	09	52.	18.8 N	119.0 E		7.25	ACD I	NAN HAI *
AAA	1948	5	23	09	13	18.	37.7 N	121.9 E		6.	AC I	SHANTUNG*
AAG	1948	5	25	07	11	34.	29.7 N	100.3 E		7.3	ACDGIU	SZECHWAN
AAA	1948	6	27	00	08	23.	26.6 N	99.6 E		6.25	AC I	YUNNAN
HHA	1948	10	4	05	57		24.1 N	122.3 E	20	6.	AC I	TAIWAN *
LHA	1948	10	23	04	47		23.9 N	121.9 E	20	6.25	AC I	TAIWAN *
HHA	1948	12	6	14	09		23.1 N	121.6 E	20	6.	AC I	TAIWAN *
HHA	1948	12	20	23	07		24.0 N	122.3 E		6.	AC I	TAIWAN *
HHA	1949	1	19	15	00		23.5 N	122.7 E		6.5	AC IU	TAIWAN *
AAG	1949	2	23	16	08	11.	41.9 N	83.2 E		7.3	ACDGIU	SINKIANG
AAA	1949	5	25	08	23	49.	42.0 N	83.6 E		6.25	AC IU	SINKIANG
IIA	1949	6	15	09	42	42.	33.3 N	100.0 E		6.	AC I	TSINGHAI
HHH	1949	11	11	15	45		22.7 N	121.3 E		6.	C IU	TAIWAN *
GAG	1950	2	2	23	33	39.	21.7 N	100.1 E		7.	A DGIU	YUNNAN
AAA	1950	2	3	02	51	52.	22.1 N	99.9 E		6.75	A IU	YUNNAN
IIA	1950	2	23	11	01	10.	29.8 N	95.3 E		6.	A IU	TIBET
AAG	1950	8	15	14	09	34.	28.4 N	96.7 E		8.6	A DGIU	TIBET
IIA	1950	8	15	16	29	28.	28.7 N	96.6 E		6.	A IU	TIBET
IIA	1950	8	15	16	49	56.	28.7 N	96.6 E		6.	A IU	TIBET
IIA	1950	8	15	17	16	51.	28.7 N	96.6 E		6.	A IU	TIBET
IIA	1950	8	15	18	38	40.	28.7 N	96.6 E		6.	A IU	TIBET
IIA	1950	8	15	19	58	45.	28.7 N	96.6 E		6.	A IU	TIBET
IIA	1950	8	16	06	41	57.	28.7 N	96.6 E		6.	A IU	TIBET
IIA	1950	8	18	01	07	47.	28.7 N	96.6 E		6.25	A I	TIBET
III	1950	8	23	18	46	58.	28.7 N	96.6 E		6.	IU	TIBET
IIA	1950	9	30	07	28	55.	28.7 N	94.2 E		6.5	A IU	TIBET
IIA	1950	10	8	04	50	12.	29.2 N	95.1 E		6.25	A IU	TIBET
HHA	1950	11	2	07	07		23.5 N	120.5 E	20	6.	A IU	TAIWAN
IIA	1950	12	3	06	26	52.	29.0 N	96.0 E		6.	A IU	TIBET
IIA	1951	1	28	13	26	28.	24.3 N	122.3 E		6.	A IU	TAIWAN *
AAA	1951	3	17	04	27	35.	30.9 N	97.4 E		6.	A IU	TIBET
AAA	1951	4	14	23	40	59.	28.4 N	93.8 E		6.5	A IU	TIBET
HHG	1951	10	21	21	34		23.8 N	121.7 E		7.3	A DGIU	TAIWAN *
HHA	1951	10	21	22	55		23.7 N	121.7 E		6.	A IU	TAIWAN *
HHG	1951	10	22	03	29		24.1 N	121.8 E		7.1	A DGIU	TAIWAN *
HHH	1951	10	22	03	52		23.7 N	121.7 E		6.1		TAIWAN *
HHH	1951	10	22	04	28		24.0 N	121.9 E	20	6.5	A IU	TAIWAN *
HHH	1951	10	22	04	32		24.0 N	121.9 E	20	6.		TAIWAN *
HHA	1951	10	22	05	18		24.1 N	121.8 E	20	6.5	A IU	TAIWAN *
HHA	1951	10	22	05	24		24.0 N	121.8 E	20	6.	A IU	TAIWAN *
HHG	1951	10	22	05	43		23.8 N	121.9 E	20	7.1	A DGIU	TAIWAN *
HHA	1951	10	22	11	11		24.1 N	122.2 E	40	6.5	A IU	TAIWAN *
HHA	1951	10	22	12	48		24.1 N	121.9 E		6.5	A IU	TAIWAN *
HHA	1951	10	22	13	02		24.3 N	121.8 E	20	6.25	A IU	TAIWAN *
HHA	1951	10	22	14	47		24.1 N	121.7 E		6.	A IU	TAIWAN *
HHA	1951	10	22	15	30		24.3 N	121.8 E		6.75	A IU	TAIWAN *
HHA	1951	10	22	16	07		23.9 N	122.3 E	60	6.	A IU	TAIWAN *
HHA	1951	10	22	18	42		23.6 N	121.5 E		6.	A IU	TAIWAN
HHH	1951	10	22	20	25		24.3 N	121.9 E		6.	IU	TAIWAN *
HHA	1951	10	22	20	52		23.7 N	121.7 E	20	6.	A IU	TAIWAN *
HHA	1951	10	23	01	19		24.1 N	121.8 E	20	6.5	A IU	TAIWAN *
HHA	1951	10	23	08	55		23.7 N	121.9 E		6.5	A IU	TAIWAN *
HHA	1951	10	24	03	39		24.2 N	121.7 E		6.	A IU	TAIWAN *
HHA	1951	10	24	13	42		24.1 N	121.6 E		6.	A IU	TAIWAN
HHA	1951	10	25	12	19		23.9 N	122.1 E	40	6.75	A IU	TAIWAN *
IIA	1951	11	17	04	45	58.	31.0 N	91.6 E		6.25	A IU	TIBET
AAP	1951	11	18	09	26	37.	30.9 N	91.5 E		6.75	A	TIBET
AAG	1951	11	18	09	35	50.	31.1 N	91.4 E		8.0	A DGIU	TIBET
HHP	1951	11	24	18	47		23.0 N	120.9 E		6.75	A IU	TAIWAN
HHG	1951	11	24	18	50		23.5 N	121.0 E		7.3	A DGIU	TAIWAN
HHA	1951	11	26	06	38		22.9 N	121.1 E		6.25	A IU	TAIWAN
HHA	1951	12	5	06	59		22.7 N	121.3 E	10	6.5	A IU	TAIWAN *
AAA	1951	12	21	08	37	29.	26.5 N	99.8 E		6.25	A IU	YUNNAN
AAA	1951	12	26	10	07	04.	31.3 N	90.6 E		6.25	A IU	TIBET
AAA	1951	12	26	16	30	52.	39.6 N	95.7 E		6.	A IU	KANSU
AAA	1952	6	19	12	12	59.	22.7 N	99.8 E		6.5	A IU	YUNNAN
HHI	1952	6	20	05	46		24.2 N	121.6 E		6.5	A IU	TAIWAN
HHA	1952	6	23	12	03		24.5 N	121.9 E		6.	A IU	TAIWAN *
AAG	1952	8	17	16	02	11.	31.0 N	91.5 E		7.5	A DGIU	TIBET
AAA	1952	9	30	12	52	02.	28.5 N	102.3 E		6.75	A IU	SZECHWAN
AAA	1952	10	5	22	04	30.	37.1 N	93.2 E		6.	A IU	TSINGHAI
AAA	1952	10	31	23	51	40.	33.3 N	101.0 E		6.	A IU	TSINGHAI
III	1953	7	9	19	02	08.	39.9 N	78.3 E		6.	A IU	SINKIANG
III	1953	10	8	19	11	00.	32.3 N	82.8 E		6.	IU	TIBET
IIA	1953	10	11	17	08	03.	32.3 N	82.8 E		6.25	A IU	TIBET
AAA	1953	12	3	14	54	08.	31.4 N	85.7 E		6.25	A IU	TIBET
AAD	1954	2	11	00	30	15.	39.0 N	101.3 E		7.25	A D IU	KANSU
AAA	1954	2	11	04	53	46.	39.0 N	101.5 E		6.	A IU	KANSU
IIL	1954	2	23	06	40	32.	27.8 N	91.7 E		6.	IU	TIBET
AAA	1954	7	31	01	00	00.	38.8 N	104.2 E		7.	A IU	KANSU
IIR	1954	9	17	07	33	24.	24.2 N	121.8 E		6.	IU	TAIWAN *
AAA	1955	1	28	17	02	38.	33.2 N	82.4 E		6.5	A IU	TIBET
AAL	1955	3	22	06	14	12.	25.9 N	98.4 E		6.25	A IU	YUNNAN
IIL	1955	3	27	14	38	43.	29.9 N	90.2 E		6.	IU	TIBET

TABLE 1. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
IIA	1955	4	4	11	11	23.	21.8 N	120.9 E		6.5 A	IU	TAIWAN *
AAA	1955	4	14	01	29	02.	30.0 N	101.8 E		7.5 A D	IU	SZECHWAN
AAA	1955	4	15	03	40	58.	39.90N	74.53E		7. A D	IU	SINKIANG
IIA	1955	4	15	04	13	25.	39.9 N	74.7 E		7. A	IU	SINKIANG
AAA	1955	4	24	12	59	12.	44.2 N	83.6 E		6.5 A	IU	SINKIANG
HHA	1955	6	5	06	12		24.2 N	121.9 E	20	6. A	IU	TAIWAN *
AAA	1955	6	7	00	48	54.	26.5 N	101.1 E		6. A	IU	YUNNAN
IIL	1955	6	27	10	14	9.	32.5 N	78.6 E		6.	IU	TIBET
IIR	1955	7	24	16	20	04.	23.3 N	122.0 E		6.	IU	TAIWAN *
IIA	1955	9	22	03	25	07.	23.9 N	122.5 E		6.75 A	IU	TAIWAN *
AAA	1955	9	23	15	06	23.	26.3 N	101.9 E		6.75 A D	IU	YUNNAN
IIA	1955	9	24	10	21	28.	22.1 N	121.5 E		6.25 A	IU	TAIWAN *
IIL	1955	10	1	06	29	54.	30.0 N	101.4 E		6.	IU	SZECHWAN
AAA	1956	2	12	11	49	27.	18.9 N	119.9 E	40	6.5 A	I	NAN HAI *
IIL	1956	3	5	07	12	21.	37.6 N	77.2 E		6.	I	SINKIANG
IIL	1956	6	29	02	21	52.	24.1 N	122.6 E		6.	IU	TAIWAN *
IAD	1957	1	3	12	48	30.	43.9 N	130.6 E	590	7. A D	IU	HEILUNG.
KKA	1957	2	23	20	26	15.9	23.95N	121.60E	55	7.2 A D	IU	TAIWAN
AAA	1957	4	14	07	11	56.	30.58N	84.27E		6.5 A	IU	TIBET
II.	1957	4	22	01	42	18.	30.85N	84.31E		6.	IU	TIBET
IIA	1957	7	19	13	02	17.	24.46N	122.29E	110	6.1 A	IU	TAIWAN *
KKA	1957	10	19	18	28	59.7	23.66N	121.58E	70	6.8 A	IU	TAIWAN
IIL	1958	1	9	17	39	26.	44.83N	84.95E		6.	IU	SINKIANG
KKA	1958	1	22	18	29	03.3	23.53N	121.68E	87	6.1 A	IU	TAIWAN *
AAA	1958	2	7	23	23	36.	31.5 N	104.0 E		6.2 A	IU	SZECHWAN
IIA	1958	2	27	23	27	59.	20.94N	120.10E	53	6.5 A	I	TAIWAN *
IIA	1958	3	15	00	24	02.	22.68N	121.84E		6. A	IU	TAIWAN *
IAA	1958	10	28	10	46	32.	30.63N	84.48E		6.25 A	IU	TIBET
AAA	1958	12	21	05	46	29.	44.65N	80.87E		6.5 A	IU	SINKIANG
KKA	1959	4	26	20	40	37.7	24.81N	122.70E	127	7.5 A D	IU	TAIWAN *
AAA	1959	4	27	13	09	24.	33.2 N	92.6 E		6. A	IU	TSINGHAI
IIA	1959	6	2	02	37	46.	20.88N	120.81E		6. A	I	TAIWAN *
IIA	1959	6	2	04	57	19.	20.89N	120.86E		6.5 A	I	TAIWAN *
IIA	1959	6	2	05	42	34.	21.13N	121.36E		6. A	IU	TAIWAN *
AAA	1959	6	27	19	11	28.	41.9 N	80.0 E	20	6.75 A	IU	SINKIANG
KKA	1959	8	15	08	57	07.8	22.04N	121.15E		7. A	IU	TAIWAN *
IIA	1959	8	16	01	21	05.	22.04N	121.09E		6. A	IU	TAIWAN *
KKA	1959	8	18	00	34	01.7	22.15N	121.56E	175	6.5 A	IU	TAIWAN *
IIA	1959	9	25	02	36	48.	21.95N	121.30E		6.75 A	IU	TAIWAN *
AAA	1959	10	29	14	30	31.	42.5 N	130.5 E	500	6.25 A	IU	KIRIN
AAA	1959	11	10	20	56	15.	36.2 N	88.7 E		6. A	IU	TIBET
AAA	1959	11	15	10	25	16.	38.25N	75.32E	40	6.4 A	IU	SINKIANG
IIL	1959	11	30	11	12	55.	44.49N	80.6 E		6.	IU	SINKIANG
IIL	1960	1	3	11	24	02.	43.71N	84.56E		6.	IU	SINKIANG
AAA	1960	11	9	10	43	42.	32.78N	103.67E		6.75 A	IU	SZECHWAN
KKA	1961	2	4	19	09	21.5	24.04N	122.53E	75	6.2 A	IU	TAIWAN *
AAA	1961	4	1	15	18	26.	39.92N	77.80E		6.5 A	IU	SINKIANG
AAA	1961	4	4	09	46	40.	39.9 N	77.8 E		6.4 A	IU	SINKIANG
KKL	1961	4	9	15	35	12.3	24.09N	122.09E	53	6.5 A	IU	TAIWAN *
AAA	1961	4	13	16	34	39.	39.88N	77.75E	20	6.8 A	IU	SINKIANG
KKL	1961	5	13	19	19	37.8	25.46N	122.41E	246	6. A	IU	TAIWAN *
AAA	1961	6	4	07	33	03.	34.15N	81.90E		6.5 A	IU	TIBET
AAA	1961	6	27	07	03	41.	27.77N	99.68E	5	6. A	IU	YUNNAN
KKA	1961	9	17	08	41	57.4	24.03N	122.16E	51	6.3 A	IU	TAIWAN *
KKA	1961	12	3	08	40	30.6	24.93N	122.95E	156	6.3 A	I	TAIWAN *
IIL	1961	12	4	12	38	09.	33.39N	95.25E		6.	IU	TSINGHAI
AAA	1962	3	18	20	18	53.	23.72N	114.67E		6.1 A	IU	KWANGTU.
AAA	1962	5	21	12	02	52.	37.1 N	96.0 E	25	6.8 A D	IU	TSINGHAI
AAA	1962	6	24	01	21	18.	25.3 N	101.1 E		6.2 A	IU	YUNNAN
KKA	1962	6	25	11	10	26.5	24.08N	122.52E	39	6.5 A	IU	TAIWAN *
AAA	1962	8	19	18	26	38.	44.68N	81.58E	25	6.4 A	IU	SINKIANG
KKA	1962	10	8	21	56	23.9	24.28N	121.72E	38	6. A	IU	TAIWAN
KKL	1962	11	27	06	53	01.4	25.02N	122.95E	186	6.	IU	TAIWAN *
KKA	1963	2	13	08	50	05.1	24.33N	122.14E	67	7. A D	IU	TAIWAN *
KKA	1963	3	4	13	38	41.3	24.48N	121.84E	26	6. A	IU	TAIWAN *
KKA	1963	3	10	02	53	31.7	24.56N	121.96E	17	6.1 A	IU	TAIWAN *
AAA	1963	4	19	07	35	21.	35.7 N	97.0 E		7. A D	IU	TSINGHAI
KKA	1963	4	21	04	38	23.5	24.12N	122.25E	52	6. A	IU	TAIWAN *
AAA	1963	4	23	09	55	07.	25.8 N	99.5 E	20	6. A	IU	YUNNAN
AAA	1963	6	26	14	09	21.	36.4 N	76.7 E	100	6. A	IU	SINKIANG
KKA	1963	7	24	11	32	19.5	24.57N	121.85E	37	6.2 A	IU	TAIWAN *
AAA	1963	8	29	08	53	50.	39.80N	74.20E		6.5 A	IU	SINKIANG
IIL	1963	12	18	06	40	03.	41.86N	82.71E	18	6.	IU	SINKIANG
KKA	1964	1	18	12	04	39.8	23.08N	120.55E	34	7. A	IU	TAIWAN
IIL	1964	3	16	01	05	19.8	36.95N	95.50E	50	6.5	IU	TSINGHAI
IIL	1964	9	1	13	22	37.3	27.12N	92.26E	33	6.	IU	TIBET
AAA	1964	10	21	23	09	16.	28.2 N	93.8 E		6.6 A	IU	TIBET
KKA	1964	11	26	10	21	04.4	24.84N	121.97E	11	6.3 A	IU	TAIWAN *
KKA	1965	4	26	22	15	37.4	21.11N	120.75E	0	6. A	IU	TAIWAN *
KKA	1965	5	17	17	19	31.1	22.39N	121.21E	72	6.6 A	IU	TAIWAN *
KKA	1965	6	27	11	36	11.8	23.73N	121.61E	52	6. A	IU	TAIWAN *
AAA	1965	7	3	11	26	12.	22.4 N	101.6 E	15	6.1 A	IU	YUNNAN
AAA	1965	11	13	04	33	55.	43.6 N	88.3 E		6.6 A	IU	SINKIANG
AAA	1966	2	5	15	12	32.	26.20N	103.20E		6.5 A	IU	YUNNAN
AAA	1966	2	13	10	44	41.	26.10N	103.10E		6.2 A	IU	YUNNAN
AAA	1966	3	6	02	15	58.	31.4 N	80.5 E		6.6 A	IU	TIBET
AAA	1966	3	7	21	29	14.	37.35N	114.92E	10	6.8 A	IU	HOPEH
KKH	1966	3	12	16	31	21.4	24.09N	122.65E	59	7.5	IU	TAIWAN *
AAA	1966	3	22	08	11	36.	37.50N	115.08E		6.7 A	IU	HOPEH
AAA	1966	3	22	08	19	46.	37.53N	115.05E		7.2 A	IU	HOPEH
KKK	1966	3	23	00	04	34.8	23.75N	122.91E	51	6.3	IU	TAIWAN *
AAA	1966	3	26	15	19	04.	37.60N	115.27E	15	6.2 A	IU	HOPEH
AAA	1966	3	29	06	11	59.	37.47N	114.88E	25	6. A	IU	HOPEH
KKA	1966	7	1	05	50	39.9	24.61N	122.39E	119	6.1 A	IU	TAIWAN *
KKA	1966	9	15	17	10	46.7	22.82N	121.34E	45	6. A	IU	TAIWAN *
AAA	1966	9	28	14	00	23.	27.25N	100.42E		6.4 A	IU	YUNNAN
AAA	1966	10	14	01	04	47.	36.8 N	87.5 E		6. A	IU	SINKIANG
KKA	1967	3	4	05	09	24.5	21.38N	121.83E	138	6.1 A	IU	TAIWAN *
AAA	1967	3	14	06	58	06.	28.4 N	94.4 E		6.2 A	IU	TIBET
AAA	1967	3	27	08	58	20.	38.5 N	116.5 E	30	6.3 A	IU	HOPEH

TABLE 1. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
AAA	1967	5	11	14	50	59.	39.30N	73.80E		6.25 A	IU	SINKIANG
IIP	1967	5	27	19	05	48.1	36.07N	77.66E	28	6.1	IU	SINKIANG
AAA	1967	8	30	04	22	09.	31.62N	100.33E	8	6.8 A	IU	SZECHWAN
AAA	1967	8	30	11	08	51.	31.70N	100.33E		6. A	IU	SZECHWAN
KKA	1967	10	25	00	59	22.8	24.44N	122.20E	70	6.5 A	IU	TAIWAN *
IIA	1968	1	13	07	03	45.8	24.13N	122.21E	55	6.2 A	IU	TAIWAN *
IIA	1968	2	26	10	50	15.	22.76N	121.47E	8	6.75 A	IU	TAIWAN *
IIA	1968	10	20	07	08	20.	24.91N	122.47E	22	6.1 A	IU	TAIWAN *
AAA	1969	2	11	22	08	54.	41.5 N	79.3 E		6.5 A	IU	SINKIANG
AAA	1969	7	18	05	24	49.	38.2 N	119.4 E	35	7.4 A	IU	PO HAI *
AAA	1969	7	25	22	49	43.	21.75N	111.75E		6.4 A	IU	KWANGTU.
AAA	1970	1	4	17	00	37.0	24.20N	102.68E	13	7.7 A	IU	YUNNAN
AAA	1970	2	6	22	10	39.7	23.08N	101.03E	15	6.2 A	IU	YUNNAN
AAA	1970	2	19	07	10	02.8	27.58N	94.13E	12	6.1 A	I	TIBET
AAA	1970	2	24	02	07	34.4	30.65N	103.28E	15	6.2 A	IU	SZECHWAN
IIA	1970	11	14	07	58	20.0	22.82N	121.36E	26	6.5 A	IU	TAIWAN *
IIL	1970	11	27	09	39	24.1	24.26N	122.42E	65	6.	IU	TAIWAN *
AAP	1971	3	23	09	52	11.0	41.5 N	79.3 E	20	6.2 A	IU	SINKIANG
AAA	1971	3	23	20	47	16.1	41.6 N	79.5 E	20	6.1 A	IU	SINKIANG
AAA	1971	3	24	13	54	16.4	35.5 N	98.1 E	13	6.3 A	IU	TSINGHAI
AAA	1971	4	3	04	49	00.5	32.2 N	95.1 E	20	6.3 A	IU	TSINGHAI
AAA	1971	4	3	06	50	42.3	31.9 N	95.4 E	20	6.5 A	IU	TIBET
AAU	1971	4	28	15	32	00.5	23.0 N	101.2 E	15	6.3 A	IU	YUNNAN
AAA	1971	5	22	20	03	30.6	32.5 N	92.3 E	20	6.5 A	IU	TIBET
AAA	1971	9	14	03	11	04.5	23.0 N	100.9 E	33	6.2 A	IU	YUNNAN
IIA	1971	10	30	20	48	49.7	23.01N	121.39E	47	6.0 A	IU	TAIWAN *
IIA	1972	1	4	03	16	50.7	22.50N	122.07E	6	7.2 A	IU	TAIWAN *
IIA	1972	1	8	05	27	53.7	20.95N	120.26E	36	6.7 A	IU	TAIWAN *
AAA	1972	1	15	20	21	49.5	40.1 N	78.9 E		6.2 A	IU	SINKIANG
IIU	1972	1	25	02	06	23.0	22.56N	122.37E	29	7.5 A	IU	TAIWAN *
IIU	1972	1	25	03	41	24.0	23.06N	122.14E	34	7.0 A	IU	TAIWAN *
IIA	1972	4	17	10	49	44.4	24.10N	122.44E	48	6.1 A	IU	TAIWAN *
IIA	1972	4	24	09	57	21.2	23.60N	121.55E	29	7.3 A	IU	TAIWAN *
AAA	1972	7	22	16	41	01.5	31.4 N	91.5 E	15	6.0 A	IU	TIBET
IIA	1972	9	22	19	57	24.0	22.37N	121.16E	8	6.6 A	IU	TAIWAN *
IIA	1972	9	23	02	14	26.1	22.28N	121.28E	26	6.4 A	IU	TAIWAN *
IIA	1972	11	9	18	41	13.0	23.87N	121.61E	22	6.3 A	IU	TAIWAN *
IIA	1972	11	21	02	47	16.4	23.87N	121.66E	27	6.2 A	IU	TAIWAN *
AAA	1973	2	6	10	37	08.3	31.3 N	100.9 E	17	7.9 A	IU	SZECHWAN
AAA	1973	2	7	16	06	27.0	31.5 N	100.3 E	8	6.0 A	IU	SZECHWAN
AAA	1973	6	2	23	57	04.6	44.3 N	83.7 E	32	6.0 A	IU	SINKIANG
AAL	1973	7	14	04	51	21.0	35.3 N	86.5 E	32	7.0 A	IU	TIBET
AAA	1973	7	14	13	39	30.0	35.4 N	86.6 E	30	6.0 A	IU	TIBET
AAA	1973	8	11	07	15	34.6	32.88N	104.00E	8	6.5 A	IU	SZECHWAN
AAA	1973	8	16	03	58	07.1	22.9 N	101.1 E	10	6.3 A	IU	YUNNAN
AAA	1973	9	8	07	25	45.4	33.3 N	86.9 E		6.0 A	IU	TIBET
IIA	1973	9	10	07	43	32.3	42.48N	131.05E	552	6.4 A	IU	KIRIN
IIP	1973	9	29	00	44	00.3	41.93N	130.99E	567	7.0 A	I	KIRIN
IZL	1974	5	10	19	25	17.	28.2 N	103.9 E	10	6.9	IU	YUNNAN
IIB	1974	8	8	19	16	43.	24.50N	122.69E	2	6.3	IU	TAIWAN *
IIL	1974	8	11	01	13	55.	39.34N	73.76E	7	7.	IU	SINKIANG
IIJ	1974	8	11	21	21	37.1	39.46N	73.62E	26	6.1	IU	SINKIANG
IIB	1974	8	27	12	56	01.0	39.52N	73.82E	19	6.0	IU	SINKIANG
UBB	1975	1	15	11	34	41.3	29.0 N	101.6 E		6.2	U	SZECHWAN
UBB	1975	1	19	08	02	02.5	31.9 N	79.2 E		7.1	U	TIBET
YYB	1975	2	4	11	36	06.0	40.65N	122.80E	12	7.3	U	LIAONING
UBB	1975	3	18	18	44	16.4	35.3 N	86.6 E		6.3	U	TIBET
UUU	1975	3	23	07	32	36.5	22.74N	122.80E	21	6.6	U	TAIWAN *
UBB	1975	4	28	11	06	43.5	35.7 N	78.4 E		6.0	U	TIBET
UBL	1975	5	5	05	18	49.3	32.8 N	92.9 E		6.5	U	TSINGHAI
UUL	1975	5	23	16	01	49.2	22.70N	122.57E		6.2	U	TAIWAN *
UBB	1975	6	4	02	24	32.9	37.2 N	79.9 E		6.0	U	SINKIANG
UUL	1976	2	23	09	06	31.6	23.02N	121.69E		6.	U	TAIWAN *
UBB	1976	4	5	16	54	40.1	40.2 N	112.2 E		6.2	U	INNER M.
UBL	1976	5	29	12	23	18.7	24.6 N	98.7 E		7.	U	YUNNAN
UBL	1976	5	29	14	00	18.5	24.6 N	98.7 E		7.1	U	YUNNAN
UBL	1976	5	31	05	08	28.5	24.6 N	98.7 E		6.3	U	YUNNAN
UBL	1976	6	9	00	20	39.5	24.6 N	98.7 E		6.	U	YUNNAN
UBL	1976	7	21	15	10	45.6	24.6 N	98.7 E		6.4	U	YUNNAN
UBB	1976	7	27	19	42	54.6	39.4 N	118.1 E		7.8	U	HOPEH
UBB	1976	7	27	23	17	31.4	39.2 N	117.9 E		6.2	U	HOPEH
UBB	1976	7	28	10	45	35.2	39.7 N	118.7 E		7.0	U	HOPEH
UBB	1976	8	16	14	06	45.9	32.9 N	104.1 E		7.1	U	SZECHWAN
UBB	1976	8	21	21	49	54.2	32.7 N	104.2 E		6.6	U	SZECHWAN
UBP	1976	8	23	03	30	07.6	32.5 N	104.1 E		6.6	U	SZECHWAN
UBL	1976	9	22	20	07	03.2	40.1 N	106.4 E		6.	U	INNER M.
UBB	1976	11	6	18	04	08.9	27.4 N	100.9 E		6.6	U	YUNNAN
UBL	1976	11	15	13	53	00.6	39.4 N	117.9 E		6.5	U	HOPEH
UBB	1976	12	13	06	37	00.5	27.1 N	101.0 E		6.7	U	YUNNAN

Our catalog was then key-punched and checked against original sources. Care has been taken in preparing our catalog; but should any errors be found, we will appreciate readers informing us.

RESULTS

We have codified on punched cards a catalog of "instrumental" earthquakes in China (magnitude ≧6) for the period 1901 through 1976. This catalog is available at a cost of $10 from the National Geophysical and Solar-Terrestrial Data Center, NOAA/EDS, Boulder, Colorado 80303, USA.

FIG. 1. Provinces of China. Modified from Hsieh (1973, p. 260).

The format of the punched cards is specified as follows (FORTRAN format for data given in parentheses):

Columns 6 to 8 (3A1):	Code for sources adopted for (1) origin time, (2) hypocenter location, and (3) magnitude, respectively. See Section on Source Materials.
Columns 10 to 13 (I4):	Year.
Columns 15 to 16 (I2):	Month.
Columns 18 to 19 (I2):	Day.
Columns 21 to 30 (I2, 1X, I2, 1X, F4.1):	Origin time (GMT) in hour, minute, and second.

TABLE 2. LIST OF CHINESE INSTRUMENTAL EARTHQUAKES BY PROVINCE.

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
							PROVINCE : ANHWEI					
IAA	1917	1	24	00	48	12.	31.3 N	116.3 E		6.25	AC I	ANHWEI
							PROVINCE : HEILUNGKIANG					
GGG	1928	6	7	06	24	35.	44.0 N	131.0 E	430	6.	AC GIU	HEILUNG.
GGG	1927	5	17	21	44	16.	44.0 N	131.0 E	430	6.5	AC GIU	HEILUNG.
GGG	1933	9	9	05	02	35.	44.0 N	130.0 E	590	6.25	AC GIU	HEILUNG.
GGG	1938	10	21	06	46	22.	43.5 N	131.0 E	550	6.25	AC GIU	HEILUNG.
IIG	1940	7	10	05	49	52.	44.9 N	130.4 E	560	7.3	AC GIU	HEILUNG.
AAG	1941	5	5	15	18	27.	46.7 N	127.1 E		6.	AC GIU	HEILUNG.
IIA	1942	9	1	18	59	34.	47.0 N	127.0 E		6.	AC I	HEILUNG.
GGG	1946	1	11	01	33	29.	44.0 N	129.5 E	580	7.2	ACDGIU	HEILUNG.
IAD	1957	1	3	12	48	30.	43.9 N	130.6 E	590	7.	A D IU	HEILUNG.
							PROVINCE : HOPEH					
AAG	1945	9	23	15	34	23.	39.7 N	118.7 E		6.25	AC GIU	HOPEH
AAA	1966	3	7	21	29	14.	37.35N	114.92E	10	6.8	A IU	HOPEH
AAA	1966	3	22	08	19	46.	37.53N	115.05E		7.2	A IU	HOPEH
AAA	1966	3	22	08	11	36.	37.50N	115.08E		6.7	A IU	HOPEH
AAA	1966	3	26	15	19	04.	37.60N	115.27E	15	6.2	A IU	HOPEH
AAA	1966	3	29	06	11	59.	37.47N	114.88E	25	6.	A IU	HOPEH
AAA	1967	3	27	08	58	20.	38.5 N	116.5 E	30	6.3	A IU	HOPEH
UBB	1976	7	27	23	17	31.4	39.2 N	117.9 E		6.2	U	HOPEH
UBB	1976	7	27	19	42	54.6	39.4 N	118.1 E		7.8	U	HOPEH
UBB	1976	7	28	10	45	35.2	39.7 N	118.7 E		7.0	U	HOPEH
UBL	1976	11	15	13	55	00.6	39.4 N	117.9 E		6.5	U	HOPEH
							OFFSHORE : HUANGHAI					
GGG	1910	1	8	14	49	30.	35.0 N	122.0 E		6.75	AC G U	HUANGHAI*
GGG	1927	2	3	03	53	10.	33.5 N	121.0 E		6.5	AC GIU	HUANGHAI*
AAG	1932	8	22	11	12	42.	36.1 N	121.6 E		6.25	AC GIU	HUANGHAI*
							PROVINCE : HUPEH					
AAG	1932	4	6	09	11	18.	31.4 N	115.0 E		6.	AC GIU	HUPEH
							PROVINCE : INNER M.					
AAA	1929	1	13	18	44	39.	40.7 N	111.3 E		6.	AC I	INNER M.
AAG	1934	1	20	17	56	16.	41.1 N	108.3 E		6.25	AC GIU	INNER M.
AAG	1940	1	19	05	23	48.	42.7 N	121.3 E		6.	AC GIU	INNER M.
UBB	1976	4	5	16	54	40.1	40.2 N	112.2 E		6.2	U	INNER M.
UBL	1976	9	22	20	07	03.2	40.1 N	106.4 E		6.	U	INNER M.
							PROVINCE : KANSU					
AAA	1920	12	28	03	16	30.	35.5 N	105.5 E		6.25	AC I	KANSU
AAG	1927	5	22	22	32	47.	37.6 N	102.6 E	25	8.0	ACDGIU	KANSU
AAA	1927	5	23	13	51	10.	37.7 N	102.2 E		6.	AC I	KANSU
AAG	1928	3	7	22	43	28.	37.6 N	102.2 E		6.	AC GIU	KANSU
AAG	1932	12	25	02	04	27.	39.7 N	97.0 E		7.6	ACDGIU	KANSU
AAG	1936	2	7	08	56	27.	35.4 N	103.4 E		6.75	AC GIU	KANSU
AAG	1936	8	1	06	24	30.	34.2 N	105.7 E		6.	AC GIU	KANSU
AAA	1951	12	26	16	30	52.	39.6 N	95.7 E		6.	A IU	KANSU
AAD	1954	2	11	00	30	15.	39.0 N	101.3 E		7.25	A D IU	KANSU
AAA	1954	2	11	04	53	46.	39.0 N	101.5 E		6.	A IU	KANSU
AAA	1954	7	31	01	00	00.	38.8 N	104.2 E		7.	A IU	KANSU
							PROVINCE : KIRIN					
GGG	1905	8	25	09	46	45.	43.0 N	129.0 E	470	6.75	AC G U	KIRIN
GGG	1917	7	31	03	23	10.	42.5 N	131.0 E	460	7.5	ACDGIU	KIRIN
GGG	1918	2	9	20	46	26.	43.0 N	130.0 E	450	6.5	AC G U	KIRIN
GGG	1918	4	10	02	03	54.	43.5 N	130.5 E	570	7.2	ACDGIU	KIRIN
GGG	1935	3	28	23	47	51.	43.0 N	131.0 E	550	6.25	AC GIU	KIRIN
IIA	1942	7	8	21	22	27.	43.0 N	122.0 E		6.	AC I	KIRIN
AAA	1959	10	29	16	30	31.	42.5 N	130.5 E	500	6.25	A IU	KIRIN
IIA	1973	9	10	07	43	32.3	42.48N	131.05E	552	6.4	A IU	KIRIN
IIP	1973	9	29	00	44	00.3	41.93N	130.99E	567	7.0	A I	KIRIN
							PROVINCE : KWANGSI					
AAA	1936	4	1				22.5 N	109.4 E		6.75	AC	KWANGSI
							PROVINCE : KWANGTUNG					
GAG	1918	2	13	06	07	13.	23.5 N	117.0 E		7.3	ACDGIU	KWANGTU.
IAA	1921	3	19	08	19	45.	23.5 N	117.0 E		6.25	AC I	KWANGTU.
AAA	1962	3	18	20	18	53.	23.72N	114.67E		6.1	A IU	KWANGTU.
AAA	1969	7	25	22	49	43.	21.75N	111.75E		6.4	A IU	KWANGTU.

TABLE 2. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
							PROVINCE : LIAONING					
AAG	1944	12	19	14	09	04.	39.7 N	124.3 E		6.75	AC GIU	LIAONING*
YYB	1975	2	4	11	36	06.0	40.65N	122.80E	12	7.3	U	LIAONING
							OFFSHORE : NAN HAI					
IIA	1928	8	5	14	41	51.	16.0 N	119.0 E		6.25	AC I	NAN HAI *
AAG	1931	9	21	10	27	20.	19.8 N	113.1 E		6.75	AC GIU	NAN HAI *
IIA	1948	3	3	09	09	52.	18.8 N	119.0 E		7.25	ACD I	NAN HAI *
AAA	1956	2	12	11	49	27.	18.9 N	119.9 E	40	6.5	A I	NAN HAI *
							PROVINCE : NINGSIA					
AAG	1920	12	16	12	05	53.	36.5 N	105.7 E		8.5	ACDGIU	NINGSIA
AAA	1920	12	25	11	33	08.	35.6 N	106.3 E		7.	AC I	NINGSIA
IIL	1921	1	6	23	09	45.	38.0 N	107.0 E		6.	C I	NINGSIA
IIA	1921	1	7	09	42	25.	38.0 N	107.0 E		6.	AC I	NINGSIA
AAA	1921	4	12	09	36	00.	35.8 N	106.2 E		6.5	AC I	NINGSIA
							OFFSHORE : PO HAI					
AAA	1969	7	18	05	24	49.	38.2 N	119.4 E	35	7.4	A IU	PO HAI *
							PROVINCE : SHANTUNG					
AAG	1937	7	31	20	35	48.	35.2 N	115.3 E		6.9	AC GIU	SHANTUNG
AAG	1937	8	1	10	41	05.	35.3 N	115.4 E		6.75	AC GIU	SHANTUNG
AAA	1948	5	23	09	13	18.	37.7 N	121.9 E		6.	AC I	SHANTUNG*
							PROVINCE : SINKIANG					
AAA	1902	8	22	03	00		40.0 N	76.5 E		8.25	ACD U	SINKIANG
GAA	1906	12	22	18	21		43.9 N	85.6 E		8.	ACDG U	SINKIANG
GGG	1910	7	12	07	36	12.	37.0 N	76.0 E	120	6.75	AC G U	SINKIANG
AAG	1914	8	4	22	41	36.	43.3 N	93.1 E		7.5	AC GI	SINKIANG
IIA	1914	10	9	02	39	10.	35.0 N	78.0 E		6.5	AC I	SINKIANG
IIA	1919	7	24	02	03	20.	40.0 N	76.0 E		6.5	AC I	SINKIANG
GGG	1920	10	12	06	54	48.	36.0 N	81.0 E		6.25	AC GIU	SINKIANG
GGG	1922	10	16	16	01	32.	39.5 N	91.0 E		6.5	AC GIU	SINKIANG
AAG	1924	7	3	04	40	10.	36.8 N	83.8 E		7.2	ACDGIU	SINKIANG
AAG	1924	7	11	19	44	44.	37.1 N	83.6 E		7.2	ACDGIU	SINKIANG
GGG	1925	12	7	08	34	30.	37.0 N	76.5 E		6.	AC GIU	SINKIANG
AAG	1926	8	6	22	45	59.	35.4 N	78.7 E		6.25	AC G	SINKIANG
GGG	1927	4	30	13	56	47.	38.5 N	78.0 E		6.	AC GIU	SINKIANG
AAG	1927	9	23	13	54	13.	42.5 N	85.6 E		6.75	AC GIU	SINKIANG
AAG	1931	8	10	21	18	43.	47.1 N	89.8 E		8.0	ACDGIU	SINKIANG
AAG	1931	8	18	16	21	04.	47.4 N	90.0 E		7.2	ACDGIU	SINKIANG
GGG	1931	11	5	12	19	33.	47.0 N	90.0 E		6.25	AC GIU	SINKIANG
AAG	1932	9	11	14	13	12.	45.1 N	83.0 E		6.	AC GIU	SINKIANG
AAG	1933	2	13	02	49	15.	46.3 N	90.5 E		6.5	AC GIU	SINKIANG
AAG	1933	9	25	18	51	27.	38.3 N	86.9 E		6.75	AC GIU	SINKIANG
AAA	1934	8	7	11	50	04.	44.6 N	87.7 E		6.	AC GIU	SINKIANG
AAA	1936	1	27	19	30	22.	45.0 N	91.6 E		6.	AC GIU	SINKIANG
GGG	1937	11	15	21	37	34.	35.0 N	78.0 E	100	6.5	AC GI	SINKIANG
IIA	1939	2	23	15	40	46.	42.5 N	82.5 E		6.	AC GIU	SINKIANG
IIG	1944	3	9	22	12	57.	42.5 N	82.5 E		7.2	ACDGIU	SINKIANG
IIA	1944	3	9	22	03	43.	42.5 N	82.5 E		6.5	AC IU	SINKIANG
AAG	1944	9	27	16	25	07.	39.1 N	75.0 E		7.	ACDGIU	SINKIANG
IIA	1944	9	27	16	52	57.	38.5 N	74.8 E		6.	AC I	SINKIANG
AAA	1947	8	24	11	37	04.	41.5 N	81.9 E		6.25	AC I	SINKIANG
IIA	1948	2	13	04	57	09.	36.0 N	80.5 E		6.25	AC I	SINKIANG
AAG	1949	2	23	16	08	11.	41.9 N	83.2 E		7.3	ACDGIU	SINKIANG
AAA	1949	5	25	08	23	49.	42.0 N	83.6 E		6.25	AC IU	SINKIANG
III	1953	7	9	19	02	08.	39.9 N	78.3 E		6.	A IU	SINKIANG
IIA	1955	4	15	04	13	25.	39.9 N	74.7 E		7.	A IU	SINKIANG
AAA	1955	4	15	03	40	58.	39.90N	74.53E		7.	A D IU	SINKIANG
AAA	1955	4	24	12	59	12.	44.2 N	83.6 E		6.5	A IU	SINKIANG
IIL	1956	3	5	07	12	21.	37.6 N	77.2 E		6.	I	SINKIANG
IIL	1958	1	9	17	39	26.	44.83N	84.95E		6.	IU	SINKIANG
AAA	1958	12	21	05	46	29.	44.65N	80.87E		6.5	A IU	SINKIANG
AAA	1959	6	27	19	11	28.	41.9 N	80.0 E	20	6.75	A IU	SINKIANG
AAA	1959	11	15	10	25	16.	38.75N	75.32E	40	6.4	A IU	SINKIANG
IIL	1959	11	30	11	12	55.	44.49N	80.6 E		6.	IU	SINKIANG
IIL	1960	1	3	11	24	02.	43.71N	84.56E		6.	IU	SINKIANG
AAA	1961	4	1	15	18	26.	39.92N	77.80E		6.5	A IU	SINKIANG
AAA	1961	4	4	09	46	40.	39.9 N	77.8 E		6.4	A IU	SINKIANG
AAA	1961	4	13	16	34	39.	39.88N	77.75E	20	6.8	A IU	SINKIANG
AAA	1962	8	19	18	26	38.	44.68N	81.58E	25	6.4	A IU	SINKIANG
AAA	1963	6	26	14	09	21.	36.4 N	76.7 E	100	6.	A IU	SINKIANG
AAA	1963	8	29	08	53	50.	39.80N	74.20E		6.5	A IU	SINKIANG
IIL	1963	12	18	06	40	03.	41.86N	82.71E	18	6.	IU	SINKIANG
AAA	1965	11	13	04	33	55.	43.6 N	88.3 E		6.6	A IU	SINKIANG
AAA	1966	10	14	01	04	47.	36.8 N	87.5 E		6.	A IU	SINKIANG
AAA	1967	5	11	14	50	59.	39.30N	73.80E		6.25	A IU	SINKIANG
IIP	1967	5	27	19	05	48.1	36.07N	77.66E	28	6.1	IU	SINKIANG
AAA	1969	2	11	22	08	54.	41.5 N	79.3 E		6.5	A IU	SINKIANG
AAA	1971	3	23	20	47	16.1	41.6 N	79.5 E	20	6.1	A IU	SINKIANG
AAP	1971	3	23	09	52	11.0	41.5 N	79.3 E	20	6.2	A IU	SINKIANG

TABLE 2. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE	
							PROVINCE : SINKIANG (CONTINUED)						
AAA	1972	1	15	20	21	49.5	40.1 N	78.9 E		6.2	A IU	SINKIANG	
AAA	1973	6	2	23	57	04.6	44.3 N	83.7 E	32	6.0	A IU	SINKIANG	
IIU	1974	8	11	21	21	37.1	39.46N	73.62E	26	6.1	IU	SINKIANG	
IIL	1974	8	11	01	13	55.	39.34N	73.76E	7	7.	IU	SINKIANG	
IIB	1974	8	27	12	56	01.0	39.52N	73.82E	19	6.0	IU	SINKIANG	
UBB	1975	6	4	02	24	32.9	37.2 N	79.9 E		6.0	U	SINKIANG	
							PROVINCE : SZECHWAN						
AAA	1904	8	30				31.2 N	100.9 E		6.	AC	SZECHWAN	
AAA	1913	8					28.4 N	102.3 E		6.	AC	SZECHWAN	
IIA	1919	5	29	10	59	45.	31.5 N	100.5 E		6.25	AC I	SZECHWAN	
IIA	1919	8	25	19	55	15.	32.0 N	100.0 E		6.25	AC I	SZECHWAN	
GAG	1923	3	24	12	40	06.	31.3 N	100.8 E		7.3	ACDGIU	SZECHWAN	
AAA	1923	8					28.7 N	102.2 E		6.	AC	SZECHWAN	
IIA	1923	10	20	3	18	48.	30.0 N	99.0 E		6.5	AC I	SZECHWAN	
IAA	1932	3	6	21	43	50.	30.1 N	101.8 E		6.	AC I	SZECHWAN	
AAG	1933	8	25	07	50	30.	32.0 N	103.7 E		7.4	ACDGIU	SZECHWAN	
AAA	1935	4	28				29.4 N	102.3 E		6.	AC	SZECHWAN	
AAA	1935	12	18	16	59	30.	29.1 N	103.3 E		6.	AC I	SZECHWAN	
AAG	1935	12	18	07	10	36.	28.6 N	103.7 E		6.	AC GIU	SZECHWAN	
AAG	1936	4	26	23	59	11.	28.7 N	103.7 E		6.75	AC GIU	SZECHWAN	
IIA	1936	4	27	05	42	37.	28.7 N	103.2 E		6.	AC I	SZECHWAN	
AAG	1936	5	16	07	05	44.	28.5 N	103.6 E		6.75	AC GIU	SZECHWAN	
AAA	1938	3	14	05	14	21.	32.3 N	103.6 E		6.	AC IU	SZECHWAN	
AAG	1941	6	11	23	13	31.	30.1 N	102.5 E		6.	AC GIU	SZECHWAN	
AAA	1941	10	8	15	24	20.	32.1 N	103.3 E		6.	AC I	SZECHWAN	
AAG	1948	5	25	07	11	34.	29.7 N	100.3 E		7.3	ACDGIU	SZECHWAN	
AAA	1952	9	30	12	52	02.	28.5 N	102.3 E		6.75	A IU	SZECHWAN	
AAA	1955	4	14	01	29	02.	30.0 N	101.8 E		7.5	A D IU	SZECHWAN	
IIL	1955	10	1	06	29	54.	30.0 N	101.4 E		6.	IU	SZECHWAN	
AAA	1958	2	7	23	23	36.	31.5 N	104.0 E		6.2	A IU	SZECHWAN	
AAA	1960	11	9	10	43	42.	32.78N	103.67E		6.75	A IU	SZECHWAN	
AAA	1967	8	30	04	22	09.	31.62N	100.33E	8	6.8	A IU	SZECHWAN	
AAA	1967	8	30	11	08	51.	31.70N	100.33E		6.	A IU	SZECHWAN	
AAA	1970	2	24	02	07	34.4	30.65N	103.28E	15	6.2	A IU	SZECHWAN	
AAA	1973	2	6	10	37	08.3	31.3 N	100.9 E	17	7.9	A IU	SZECHWAN	
AAA	1973	2	7	16	06	27.0	31.5 N	100.3 E	8	6.0	A IU	SZECHWAN	
AAA	1973	8	11	07	15	34.6	32.88N	104.00E	8	6.5	A IU	SZECHWAN	
UBB	1975	1	15	11	34	41.3	29.0 N	101.6 E		6.2	U	SZECHWAN	
UBB	1976	8	16	14	06	45.9	32.9 N	104.1 E		7.1	U	SZECHWAN	
UBB	1976	8	21	21	49	54.2	32.7 N	104.2 E		6.6	U	SZECHWAN	
UBP	1976	8	23	03	30	07.6	32.5 N	104.1 E		6.6	U	SZECHWAN	
							PROVINCE : TAIWAN						
NQH	1901	6	7	00	05		24.8 N	121.8 E		6.0		TAIWAN	*
QQL	1903	9	7	07	14		22.7 N	121.1 E		6.		TAIWAN	*
QQL	1904	4	24	06	39		23.42N	120.5 E		6.25	C	TAIWAN	
QQA	1904	11	5	20	25		23.5 N	120.42E		6.25	AC	TAIWAN	
NNL	1905	8	28	04	22		24.2 N	121.7 E		6.		TAIWAN	*
NNL	1906	3	16	22	42		23.6 N	120.5 E		7.	ACD	TAIWAN	
NNL	1906	3	26	02	29		23.7 N	120.5 E		6.		TAIWAN	
NNL	1906	4	6	16	53		23.4 N	120.4 E		6.25		TAIWAN	
NNL	1906	4	7	22	40		23.4 N	120.4 E		6.25		TAIWAN	
NNL	1906	4	13	19	18		23.4 N	120.4 E		6.5	AC	TAIWAN	
NNL	1906	4	13	23	52		23.4 N	120.4 E		6.5		TAIWAN	
NND	1908	1	11	03	35		23.7 N	121.4 E		7.3	D	TAIWAN	
NNG	1909	4	14	19	54		25.0 N	121.5 E		7.3	ACDG U	TAIWAN	
NND	1909	11	21	07	36		24.4 N	121.8 E		7.3	D	TAIWAN	*
GLG	1910	4	12	00	22	13.	25.1 N	121.9 E		7.75	ACDG U	TAIWAN	*
NHH	1910	6	17	05	28		21.0 N	121.0 E		7.0		TAIWAN	*
NNL	1910	9	1	14	21		24.1 N	122.4 E		6.5	D	TAIWAN	*
NNL	1910	9	1	00	45		22.7 N	121.7 E		6.5	D	TAIWAN	*
NLL	1911	3	24	03	17		24. N	122. E		6.		TAIWAN	*
NLL	1912	11	3	06	05		24. N	122. E		6.		TAIWAN	*
NNL	1912	12	24	18	07		24.0 N	121.6 E		6.		TAIWAN	
NNL	1913	1	7	22	50		24.0 N	121.6 E		6.5		TAIWAN	
GGG	1914	7	6	06	37	30.	24.0 N	122.0 E	60	6.75	AC GIU	TAIWAN	*
GGG	1915	1	5	23	26	42.	25.0 N	123.0 E	160	7.25	DGI	TAIWAN	*
NNA	1916	8	28	07	27		23.72N	120.92E		6.	AC	TAIWAN	
NNA	1916	11	14	22	31		24.03N	120.8 E		6.	AC I	TAIWAN	
NNA	1917	1	4	16	50		23.92N	120.88E		6.25	AC I	TAIWAN	
NNL	1917	1	6	18	08		23.95N	120.93E		6.		TAIWAN	
DDD	1917	7	4	00	38	20.	25.0 N	123.0 E		7.7	D I	TAIWAN	*
DDD	1917	7	4	05	36	30.	25.0 N	123.0 E		7.2	D I	TAIWAN	*
NNL	1918	3	27	03	52		24.6 N	121.9 E		6.	I	TAIWAN	*
NNL	1918	6	7	04	55		24.3 N	121.3 E		6.	C I	TAIWAN	
NL	1918	9	24	00	03		23.5 N	120.6 E		6.	C I	TAIWAN	
NLL	1918	12	18	17	17		23.0 N	120.8 E		6.	C I	TAIWAN	
NNL	1919	7	18	15	07		24.1 N	121.9 E		6.	I	TAIWAN	*
NNA	1919	8	28	19	34		23.8 N	121.8 E		6.	AC I	TAIWAN	*
NNA	1919	10	31	19	02		23.1 N	122.2 E		6.	AC I	TAIWAN	*
ING	1919	12	20	20	37	24.	22.8 N	121.7 E		7.0	ACDGIU	TAIWAN	*
INA	1919	12	20	19	34	00.	22.8 N	121.7 E		6.25	AC I	TAIWAN	*
INA	1920	1	22	21	44	30.	24.5 N	122.1 E		6.25	AC I	TAIWAN	*
NNL	1920	5	29	12	23		24.4 N	122.7 E		6.	C I	TAIWAN	*
GNG	1920	6	5	04	21	28.	24.0 N	122.0 E		8.	ACDGIU	TAIWAN	*
INA	1920	10	20	19	16	00.	24.1 N	122.3 E		6.25	AC I	TAIWAN	*
INA	1920	10	20	10	02	16.	24.1 N	122.3 E		6.5	AC I	TAIWAN	*
IIA	1921	4	2	09	36	45.	23.3 N	122.0 E		6.5	AC I	TAIWAN	*
IIA	1921	7	18	17	03	00.	23.0 N	121.7 E		6.	AC I	TAIWAN	*

TABLE 2. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE	
							PROVINCE : TAIWAN (CONTINUED)						
NNL	1921	8	29	15	07		24.4 N	120.8 E		6.		TAIWAN	
NNL	1922	5	22	18	05		23.3 N	121.4 E		6.	I	TAIWAN	
NNL	1922	7	2	13	30		23.8 N	122.3 E		6.	I	TAIWAN	*
JJA	1922	7	19	12	54		24.2 N	122.3 E		6.	AC I	TAIWAN	*
GNG	1922	9	1	19	16	06.	24.6 N	122.2 E		7.6	ACDGIU	TAIWAN	*
LLA	1922	9	4	17	53		24.6 N	122.2 E		6.5	AC I	TAIWAN	*
GNG	1922	9	14	19	31	39.	24.6 N	122.3 E		7.2	ACDGIU	TAIWAN	*
NNA	1922	9	16	22	44		23.9 N	122.5 E		6.	AC I	TAIWAN	*
LLA	1922	9	17	07	53		23.9 N	122.5 E		6.25	AC I	TAIWAN	*
LLA	1922	9	17	09	59		23.9 N	122.5 E		6.75	AC I	TAIWAN	*
LLA	1922	9	17	07	22		23.9 N	122.5 E		6.	AC I	TAIWAN	*
LLA	1922	9	18	06	20		23.9 N	122.5 E		6.	AC I	TAIWAN	*
LLA	1922	10	14	03	56		24.6 N	122.3 E		6.	AC I	TAIWAN	*
NNA	1922	10	14	23	47		24.6 N	122.3 E		6.75	AC I	TAIWAN	*
IIA	1922	10	27	14	22	40.	23.3 N	122.0 E		6.5	AC I	TAIWAN	*
NNA	1922	12	2	03	46		24.6 N	122.0 E		6.25	AC I	TAIWAN	*
NNL	1923	4	5	22	10		24.7 N	122.3 E		6.	C I	TAIWAN	*
NNL	1923	5	4	10	41		23.3 N	120.3 E		6.	I	TAIWAN	
NNA	1923	7	2	02	32		23.1 N	122.0 E		6.5	AC I	TAIWAN	*
NNA	1923	8	27	11	15		24.1 N	122.1 E		6.25	AC I	TAIWAN	*
NNL	1923	11	18	21	30		24.2 N	122.5 E		6.	I	TAIWAN	*
NNL	1923	11	25	17	04		23.8 N	122.9 E		6.	I	TAIWAN	*
NNL	1924	1	15	11	36		22.1 N	120.0 E		6.	I	TAIWAN	*
NNA	1924	7	22	14	24		23.8 N	122.3 E		6.25	AC I	TAIWAN	*
NNL	1925	3	1	12	26		23.1 N	121.3 E		6.	C I	TAIWAN	
NNG	1925	4	16	19	53		20.4 N	120.2 E		7.1	ACDGIU	TAIWAN	*
NNL	1925	5	24	01	25		23.9 N	121.9 E		6.	I	TAIWAN	*
IIA	1926	8	3	03	41	30.	22.0 N	121.0 E		6.5	AC I	TAIWAN	*
NNA	1926	9	12	15	44		22.7 N	122.5 E		6.25	AC I	TAIWAN	*
NNL	1926	11	1	23	31		24.9 N	122.7 E		6.	I	TAIWAN	*
NNG	1927	8	24	18	09		23.3 N	120.3 E		6.75	AC GIU	TAIWAN	
NNL	1928	1	20	06	47		24.2 N	121.8 E		6.		TAIWAN	*
NNL	1928	1	27	22	23		23.8 N	121.1 E		6.	C I	TAIWAN	
NNL	1928	4	24	19	45		24.5 N	121.4 E		6.	C I	TAIWAN	
NNL	1929	2	8	07	41		24.8 N	122.1 E		6.	C I	TAIWAN	*
LLA	1929	8	19	20	44		24.2 N	122.5 E		6.25	AC I	TAIWAN	*
NNG	1929	8	19	02	44		24.2 N	122.5 E		6.75	AC GIU	TAIWAN	*
LLA	1929	8	20	16	38		24.2 N	122.5 E		6.25	AC I	TAIWAN	*
LLA	1929	9	11	22	18		24.2 N	122.5 E		6.	AC I	TAIWAN	*
NNG	1929	10	24	06	34		22.4 N	122.5 E		6.5	AC GIU	TAIWAN	*
NNL	1929	12	18	06	59		24.6 N	122.7 E		6.	I	TAIWAN	*
NNG	1930	5	19	15	04		20.4 N	120.5 E		6.5	GIU	TAIWAN	*
NNL	1930	8	20	20	54		24.6 N	122.0 E	40	6.5	AC I	TAIWAN	*
NNL	1930	9	9	19	04		24.7 N	122.6 E	20	6.		TAIWAN	*
NNL	1930	11	11	08	30		25.0 N	121.8 E		6.	C I	TAIWAN	
INL	1930	12	8	08	01	05.	23.3 N	120.4 E		6.5	AC I	TAIWAN	
NNL	1930	12	8	06	20		23.3 N	120.4 E		6.	I	TAIWAN	
NNL	1930	12	21	23	52		23.3 N	120.4 E		6.5	I	TAIWAN	
NNL	1930	12	21	14	55		23.3 N	120.4 E		6.5	I	TAIWAN	
NNL	1930	12	22	00	08		23.3 N	120.4 E		6.5	C I	TAIWAN	
NNG	1931	1	1	23	57		23.7 N	122.1 E		6.25	AC GIU	TAIWAN	*
NNG	1931	2	13	00	41		24.1 N	121.9 E		6.	AC GIU	TAIWAN	*
NNL	1931	10	24	12	37		24.0 N	122.2 E		6.	GI	TAIWAN	*
GGG	1932	8	21	04	15	35.	24.5 N	121.5 E		6.5	AC GIU	TAIWAN	*
GGG	1932	10	9	12	49	49.	23.5 N	122.5 E	130	6.	AC GIU	TAIWAN	*
GGG	1932	10	23	21	27	48.	24.5 N	122.25E		6.25	AC GIU	TAIWAN	*
GGG	1932	12	15	19	33	38.	21.0 N	121.0 E		6.	AC GIU	TAIWAN	*
NNL	1933	2	19	04	26		24.5 N	122.8 E	100	6.	GI	TAIWAN	*
NNG	1933	4	19	06	44		24.3 N	121.5 E		6.5	AC GIU	TAIWAN	
GNG	1934	4	16	13	40	18.	21.8 N	121.2 E		6.	AC GIU	TAIWAN	*
NNG	1934	8	11	08	18		24.82N	121.82E		6.5	AC GIU	TAIWAN	*
NNG	1935	2	9	19	19		24.9 N	122.1 E	60	6.25	AC GIU	TAIWAN	*
NNA	1935	2	22	08	55		24.1 N	121.8 E	10	6.	AC I	TAIWAN	*
GNG	1935	4	20	22	26	26.	24.7 N	120.9 E		6.	AC GIU	TAIWAN	
GNG	1935	4	20	22	01	54.	24.35N	120.82E	10	7.1	ACDGIU	TAIWAN	
GNG	1935	5	4	23	02	24.	24.52N	120.82E		6.	AC GIU	TAIWAN	
NNA	1935	7	16	16	19		24.4 N	120.7 E	30	6.5	AC IU	TAIWAN	
GDG	1935	9	4	01	37	41.	22.5 N	121.55E		7.2	ACDGIU	TAIWAN	*
OOA	1935	9	4	03	28		22.5 N	121.3 E		6.	AC I	TAIWAN	*
OOA	1935	9	4	01	54		22.5 N	121.8 E		6.	AC I	TAIWAN	*
OOL	1936	5	28	12	28		21.7 N	120.3 E		6.	C I	TAIWAN	*
OOG	1936	8	22	06	51		22.0 N	121.2 E		7.2	ACDGIU	TAIWAN	*
OOL	1936	8	22	11	09		22.2 N	121.2 E		6.	C I	TAIWAN	*
OOG	1937	11	26	10	45		24.2 N	123.0 E		6.	GI	TAIWAN	*
OOA	1937	12	08	20	38		23.1 N	121.4 E		6.25	AC I	TAIWAN	*
OOG	1937	12	08	08	32		23.1 N	121.4 E		7.	ACDGIU	TAIWAN	*
OOA	1937	12	13	18	53		22.8 N	121.3 E		6.75	AC IU	TAIWAN	*
OOA	1937	12	17	09	32		22.8 N	121.5 E		6.75	AC IU	TAIWAN	*
OOL	1938	2	8	13	13		24.8 N	122.1 E		6.	C I	TAIWAN	*
OOL	1938	8	28	00	35		21.6 N	122.5 E	40	6.		TAIWAN	*
OOL	1938	9	1	02	54		23.7 N	122.4 E		6.	IU	TAIWAN	*
OOG	1938	9	7	04	03		23.8 N	121.8 E		7.	ACDGIU	TAIWAN	*
OOA	1938	10	13	15	26		24.0 N	121.1 E		6.25	AC IU	TAIWAN	
OOL	1938	11	21	06	40		24.1 N	121.2 E		6.	C I	TAIWAN	
OOG	1938	12	06	23	01		22.9 N	121.6 E		7.	ACDGIU	TAIWAN	*
OOA	1938	12	7	15	01		23.0 N	121.5 E		6.	AC I	TAIWAN	*
OOL	1938	12	22	16	57		24.0 N	122.6 E		6.	IU	TAIWAN	*
OOL	1939	5	16	07	20		23.6 N	122.0 E		6.25	AC IU	TAIWAN	*
OOL	1939	11	7	03	53		24.4 N	120.8 E		6.	C I	TAIWAN	
OOL	1940	8	5	21	30		24.4 N	122.5 E		6.	I	TAIWAN	*
OOL	1941	1	3	14	13		24.0 N	121.8 E		6.		TAIWAN	*
OOL	1941	10	1	08	24		24.7 N	122.0 E		6.		TAIWAN	*

TABLE 2. (CONTINUED)

PROVINCE : TAIWAN (CONTINUED)

ODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE	
OOG	1941	12	16	19	19		23.4 N	120.4 E		7.1	ACDGIU	TAIWAN	
IIA	1942	5	24	21	19	32.	22.9 N	121.5 E		6.25	AC I	TAIWAN	*
IIA	1942	9	24	03	38	58.	23.9 N	121.7 E		6.5	AC I	TAIWAN	*
IHA	1943	10	22	16	01	15.	23.8 N	121.5 E	5	6.25	AC I	TAIWAN	
IHA	1943	11	7	08	25	45.	21.6 N	119.3 E	60	6.	AC I	TAIWAN	*
IHA	1943	11	23	21	51	35.	24.0 N	121.7 E		6.	AC I	TAIWAN	*
GGG	1943	11	24	13	17	13.	22.5 N	122.0 E		6.9	AC GIU	TAIWAN	*
IJA	1943	12	2	05	08	57.	22.9 N	121.6 E		6.5	AC IU	TAIWAN	*
IHL	1944	2	5	17	19	56.	23.8 N	121.4 E	5	6.5		IU TAIWAN	
LHL	1945	4	10	16	16		23.5 N	121.5 E		6.	AC I	TAIWAN	*
IIA	1945	8	1	22	23	15.	23.9 N	121.7 E		6.5	AC IU	TAIWAN	*
IIA	1945	8	2	17	52	07.	20.4 N	120.4 E		6.	AC IU	TAIWAN	*
IIA	1945	10	21	03	21	03.	23.7 N	120.5 E		6.25	AC IU	TAIWAN	
HHA	1946	3	16	11	31		23.7 N	121.7 E		6.	AC I	TAIWAN	*
LHA	1946	6	2	01	08		23.8 N	122.4 E		6.25	AC I	TAIWAN	*
HHA	1946	9	9	10	35		23.7 N	121.6 E		6.	AC I	TAIWAN	*
HHA	1946	12	4	22	47		23.1 N	120.3 E		6.75	AC I	TAIWAN	
GGG	1946	12	19	02	57	19.	24.75N	122.5 E	100	6.75	AC GIU	TAIWAN	*
IIA	1947	3	16	09	32	34.	24.3 N	122.3 E		6.	AC I	TAIWAN	*
HHA	1947	4	2	20	46		24.4 N	121.8 E	20	6.25	AC I	TAIWAN	*
IIA	1947	8	17	09	04	40.	24.3 N	122.3 E		6.	AC GI	TAIWAN	*
HHA	1948	10	4	05	57		24.1 N	122.3 E	20	6.	AC I	TAIWAN	*
LHA	1948	10	23	04	47		23.9 N	121.9 E	20	6.25	AC I	TAIWAN	*
HHA	1948	12	6	14	09		23.1 N	121.6 E	20	6.	AC I	TAIWAN	*
HHA	1948	12	20	23	07		24.0 N	122.3 E		6.	AC I	TAIWAN	*
HHA	1949	1	19	15	00		23.5 N	122.7 E		6.5	AC IU	TAIWAN	*
HHH	1949	11	11	15	45		22.7 N	121.3 E		6.	C IU	TAIWAN	*
HHA	1950	11	2	07	07		23.5 N	120.5 E	20	6.	A IU	TAIWAN	
IIA	1951	1	28	13	26	28.	24.3 N	122.3 E		6.	A IU	TAIWAN	*
HHG	1951	10	21	21	34		23.8 N	121.7 E		7.3	A DGIU	TAIWAN	*
HHA	1951	10	21	22	55		23.7 N	121.7 E		6.	A IU	TAIWAN	*
HHA	1951	10	22	12	48		24.1 N	121.9 E		6.5	A IU	TAIWAN	*
HHA	1951	10	22	11	11		24.1 N	122.2 E	40	6.5	A IU	TAIWAN	*
HHH	1951	10	22	04	28		24.0 N	121.9 E	20	6.5	A IU	TAIWAN	*
HHG	1951	10	22	05	43		23.8 N	121.9 E	20	7.1	A DGIU	TAIWAN	*
HHA	1951	10	22	18	42		23.6 N	121.5 E		6.	A IU	TAIWAN	
HHA	1951	10	22	13	02		24.3 N	121.8 E	20	6.25	A IU	TAIWAN	*
HHH	1951	10	22	03	52		23.7 N	121.7 E		6.1		TAIWAN	*
HHA	1951	10	22	05	24		24.0 N	121.8 E	20	6.	A IU	TAIWAN	*
HHH	1951	10	22	20	25		24.3 N	121.9 E		6.	IU	TAIWAN	*
HHA	1951	10	22	16	07		23.9 N	122.3 E	60	6.	A IU	TAIWAN	*
HHA	1951	10	22	15	30		24.3 N	121.8 E		6.75	A IU	TAIWAN	*
HHG	1951	10	22	03	29		24.1 N	121.8 E		7.1	A DGIU	TAIWAN	*
HHH	1951	10	22	04	32		24.0 N	121.9 E	20	6.		TAIWAN	*
HHA	1951	10	22	05	18		24.1 N	121.8 E	20	6.5	A IU	TAIWAN	*
HHA	1951	10	22	20	52		23.7 N	121.7 E	20	6.	A IU	TAIWAN	*
HHA	1951	10	22	14	47		24.1 N	121.7 E		6.	A IU	TAIWAN	*
HHA	1951	10	23	01	19		24.1 N	121.8 E	20	6.5	A IU	TAIWAN	*
HHA	1951	10	23	08	55		23.7 N	121.9 E		6.5	A IU	TAIWAN	*
HHA	1951	10	24	03	39		24.2 N	121.7 E		6.	A IU	TAIWAN	*
HHA	1951	10	24	13	42		24.1 N	121.6 E		6.	A IU	TAIWAN	
HHA	1951	10	25	12	19		23.9 N	122.1 E	40	6.75	A IU	TAIWAN	*
HHP	1951	11	24	18	47		23.0 N	120.9 E		6.75	A IU	TAIWAN	
HHG	1951	11	24	18	50		23.5 N	121.0 E		7.3	A DGIU	TAIWAN	
HHA	1951	11	26	06	38		22.9 N	121.1 E		6.25	A IU	TAIWAN	
HHA	1951	12	5	06	59		22.7 N	121.3 E	10	6.5	A IU	TAIWAN	*
HHI	1952	6	20	05	46		24.2 N	121.6 E		6.5	A IU	TAIWAN	
HHA	1952	6	23	12	03		24.5 N	121.9 E		6.	A IU	TAIWAN	*
IIR	1954	9	17	07	33	24.	24.2 N	121.8 E		6.		IU TAIWAN	*
IIA	1955	4	4	11	11	23.	21.8 N	120.9 E		6.5	A IU	TAIWAN	*
HHA	1955	6	5	06	12		24.2 N	121.9 E	20	6.	A IU	TAIWAN	*
IIR	1955	7	24	16	20	04.	23.3 N	122.0 E		6.		IU TAIWAN	*
IIA	1955	9	22	03	25	07.	23.9 N	122.5 E		6.75	A IU	TAIWAN	*
IIA	1955	9	24	10	21	28.	22.1 N	121.5 E		6.25	A IU	TAIWAN	*
IIL	1956	6	29	02	21	52.	24.1 N	122.6 E		6.		IU TAIWAN	*
KKA	1957	2	23	20	26	15.9	23.95N	121.60E	55	7.2	A D	IU TAIWAN	
IIA	1957	7	19	13	02	17.	24.46N	122.29E	110	6.1	A	IU TAIWAN	*
KKA	1957	10	19	18	28	59.7	23.66N	121.58E	70	6.8	A	IU TAIWAN	
KKA	1958	1	22	18	29	03.3	23.53N	121.68E	87	6.1	A	IU TAIWAN	*
IIA	1958	2	27	23	27	59.	20.94N	120.10E	53	6.5	A	I TAIWAN	*
IIA	1958	3	15	00	24	02.	22.68N	121.84E		6.	A	IU TAIWAN	*
KKA	1959	4	26	20	40	37.7	24.81N	122.70E	127	7.5	A D	IU TAIWAN	*
IIA	1959	6	2	05	42	34.	21.13N	121.36E		6.	A	IU TAIWAN	*
IIA	1959	6	2	02	37	46.	20.88N	120.81E		6.	A	I TAIWAN	*
IIA	1959	6	2	04	57	19.	20.89N	120.86E		6.5	A	I TAIWAN	*
KKA	1959	8	15	08	57	07.8	22.04N	121.15E		7.	A	IU TAIWAN	*
IIA	1959	8	16	01	21	05.	22.04N	121.09E		6.	A	IU TAIWAN	*
KKA	1959	8	18	00	34	01.7	22.15N	121.56E	175	6.5	A	IU TAIWAN	*
IIA	1959	9	25	02	36	48.	21.95N	121.30E		6.75	A	IU TAIWAN	*
KKA	1961	2	4	19	09	21.5	24.04N	122.53E	75	6.2	A	IU TAIWAN	*
KKL	1961	4	9	15	35	12.3	24.09N	122.09E	53	6.5	A	IU TAIWAN	*
KKL	1961	5	13	19	19	37.8	25.46N	122.41E	246	6.	A	IU TAIWAN	*
KKA	1961	9	17	08	41	57.4	24.03N	122.16E	51	6.3	A	IU TAIWAN	*
KKA	1961	12	3	08	40	30.6	24.93N	122.95E	156	6.3	A	I TAIWAN	*
KKA	1962	6	25	11	10	26.5	24.08N	122.52E	39	6.5	A	IU TAIWAN	*
KKA	1962	10	8	21	56	23.9	24.28N	121.72E	38	6.	A	IU TAIWAN	
KKL	1962	11	27	06	53	01.4	25.02N	122.95E	186	6.		IU TAIWAN	*
KKA	1963	2	13	08	50	05.1	24.33N	122.14E	67	7.	A D	IU TAIWAN	*
KKA	1963	3	4	13	28	41.3	24.48N	121.84E	26	6.	A	IU TAIWAN	*
KKA	1963	3	10	02	53	31.7	24.56N	121.96E	17	6.1	A	IU TAIWAN	*
KKA	1963	4	21	04	38	23.5	24.12N	122.25E	52	6.	A	IU TAIWAN	*
KKA	1963	7	24	11	32	19.5	24.57N	121.85E	37	6.2	A	IU TAIWAN	*

TABLE 2. (CONTINUED)

PROVINCE : TAIWAN (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE	
KKA	1964	1	18	12	04	39.8	23.08N	120.55E	34	7.	A	IU TAIWAN	
KKA	1964	11	26	10	21	04.4	24.84N	121.97E	11	6.3	A	IU TAIWAN	*
KKA	1965	4	26	22	15	37.4	21.11N	120.75E	0	6.	A	IU TAIWAN	*
KKA	1965	5	17	17	19	31.1	22.39N	121.21E	72	6.6	A	IU TAIWAN	*
KKA	1965	6	27	11	36	11.8	23.73N	121.61E	52	6.	A	IU TAIWAN	*
KKH	1966	3	12	16	31	21.4	24.09N	122.65E	59	7.5		IU TAIWAN	*
KKK	1966	3	23	00	04	34.8	23.75N	122.91E	51	6.3		IU TAIWAN	*
KKA	1966	7	1	05	50	39.9	24.61N	122.39E	119	6.1	A	IU TAIWAN	*
KKA	1966	9	15	17	10	46.7	22.82N	121.34E	45	6.	A	IU TAIWAN	*
KKA	1967	3	4	05	09	24.5	21.38N	121.83E	138	6.1	A	IU TAIWAN	*
KKA	1967	10	25	00	59	22.8	24.44N	122.20E	70	6.5	A	IU TAIWAN	*
IIA	1968	1	13	07	03	45.8	24.13N	122.21E	55	6.2	A	IU TAIWAN	*
IIA	1968	2	26	10	50	15.	22.76N	121.47E	8	6.75	A	IU TAIWAN	*
IIA	1968	10	20	07	08	20.	24.91N	122.47E	22	6.1	A	IU TAIWAN	*
IIA	1970	11	14	07	58	20.0	22.82N	121.36E	26	6.5	A	IU TAIWAN	*
IIL	1970	11	27	09	39	24.1	24.26N	122.42E	65	6.		IU TAIWAN	*
IIA	1971	10	30	20	48	49.7	23.01N	121.39E	47	6.0	A	IU TAIWAN	*
IIA	1972	1	4	03	16	50.7	22.50N	122.07E	6	7.2	A	IU TAIWAN	*
IIA	1972	1	8	05	27	53.7	20.95N	120.26E	36	6.7	A	IU TAIWAN	*
IIU	1972	1	25	03	41	24.0	23.06N	122.14E	34	7.0	A	IU TAIWAN	*
IIU	1972	1	25	02	06	23.0	22.56N	122.37E	29	7.5	A	IU TAIWAN	*
IIA	1972	4	17	10	49	44.4	24.10N	122.44E	48	6.1	A	IU TAIWAN	*
IIA	1972	4	24	09	57	21.2	23.60N	121.55E	29	7.3	A	IU TAIWAN	*
IIA	1972	9	22	19	57	24.0	22.37N	121.16E	8	6.6	A	IU TAIWAN	*
IIA	1972	9	23	02	14	26.1	22.28N	121.28E	26	6.4	A	IU TAIWAN	*
IIA	1972	11	9	18	41	13.0	23.87N	121.61E	22	6.3	A	IU TAIWAN	*
IIA	1972	11	21	02	47	16.4	23.87N	121.66E	27	6.2	A	IU TAIWAN	*
IIB	1974	8	8	19	16	43.	24.50N	122.69E	2	6.3		IU TAIWAN	*
UUU	1975	3	23	07	32	36.5	22.74N	122.80E	21	6.6		U TAIWAN	*
UUU	1975	5	23	16	01	49.2	22.70N	122.57E		6.2		U TAIWAN	*
UUL	1976	2	23	09	06	31.6	23.02N	121.69E		6.		U TAIWAN	*

PROVINCE : TIBET

DDD	1908	8	20	09	53		32.0 N	89.0 E		7.0	D	TIBET	
GGG	1911	10	14	23	24	00.	31.0 N	80.5 E		6.75	AC G U	TIBET	
GGG	1913	3	6	02	09	00.	30.0 N	83.0 E		6.2	AC G U	TIBET	
GGG	1913	3	6	11	04	00.	30.0 N	83.0 E		6.4	ACDG U	TIBET	
IIA	1915	12	3	02	39	19.	29.5 N	91.5 E		7.	ACD I	TIBET	
IIA	1918	2	4	17	54	49.	29.6 N	87.8 E		6.	AC I	TIBET	
IIA	1921	10	14	16	43	45.	30.5 N	91.0 E		6.25	AC I	TIBET	
GGG	1924	10	8	20	32	57.	30.0 N	90.0 E		6.5	AC GIU	TIBET	
GGG	1926	6	4	06	50	58.	35.0 N	89.5 E		6.	AC GIU	TIBET	
AAG	1934	12	15	01	57	40.	31.3 N	89.0 E		7.1	ACDGIU	TIBET	
AAG	1935	1	3	01	50	17.	30.8 N	88.2 E		6.5	AC GIU	TIBET	
AAG	1935	5	21	04	22	34.	28.8 N	89.5 E	140	6.25	AC GIU	TIBET	
AAG	1938	11	21	01	11	31.	29.9 N	95.3 E		6.	AC GIU	TIBET	
AAA	1938	12	02	22	14	20.	33.2 N	90.4 E		6.	AC I	TIBET	
AAA	1940	9	3	14	40	37.	30.7 N	91.7 E		6.25	AC GIU	TIBET	
IIG	1940	10	4	04	35	51.	30.5 N	91.5 E		6.	AC GIU	TIBET	
AAG	1941	1	21	12	42	01.	27.5 N	91.9 E	180	6.75	AC GIU	TIBET	
AAG	1944	10	17	18	36	56.	31.4 N	83.3 E		6.75	AC GIU	TIBET	
IIG	1944	10	29	00	11	30.	31.3 N	83.4 E		6.75	AC GIU	TIBET	
IIA	1944	11	6	05	49	05.	31.3 N	83.4 E		6.	AC I	TIBET	
IIA	1946	2	19	18	55	23.	35.0 N	88.5 E		6.	AC I	TIBET	
AAA	1946	11	6	19	56	23.	34.5 N	80.6 E		6.25	AC I	TIBET	
AAA	1947	2	10	04	02	02.	31.8 N	85.4 E		6.25	AC I	TIBET	
AAG	1947	7	29	13	43	33.	28.6 N	93.6 E		7.7	ACDGIU	TIBET	
IIA	1950	2	23	11	01	10.	29.8 N	95.3 E		6.	A IU	TIBET	
IIA	1950	8	15	17	16	51.	28.7 N	96.6 E		6.	A IU	TIBET	
AAG	1950	8	15	14	09	34.	28.4 N	96.7 E		8.6	A DGIU	TIBET	
IIA	1950	8	15	16	49	56.	28.7 N	96.6 E		6.	A IU	TIBET	
IIA	1950	8	15	16	29	28.	28.7 N	96.6 E		6.	A IU	TIBET	
IIA	1950	8	15	19	58	45.	28.7 N	96.6 E		6.	A IU	TIBET	
IIA	1950	8	15	18	38	40.	28.7 N	96.6 E		6.	A IU	TIBET	
IIA	1950	8	16	06	41	57.	28.7 N	96.6 E		6.	A IU	TIBET	
IIA	1950	8	18	01	07	47.	28.7 N	96.6 E		6.25	A I	TIBET	
III	1950	8	23	18	46	58.	28.7 N	96.6 E		6.		IU TIBET	
IIA	1950	9	30	07	28	55.	28.7 N	94.2 E		6.5	A IU	TIBET	
IIA	1950	10	8	04	50	12.	29.2 N	95.1 E		6.25	A IU	TIBET	
IIA	1950	12	3	06	26	52.	29.0 N	96.0 E		6.	A IU	TIBET	
AAA	1951	3	17	04	27	35.	30.9 N	97.4 E		6.	A IU	TIBET	
AAA	1951	4	14	23	40	59.	28.4 N	93.8 E		6.5	A IU	TIBET	
IIA	1951	11	17	04	45	58.	31.0 N	91.6 E		6.25	A IU	TIBET	
AAG	1951	11	18	09	35	50.	31.1 N	91.4 E		8.0	A DGIU	TIBET	
AAP	1951	11	18	09	26	37.	30.9 N	91.5 E		6.75	A	TIBET	
AAA	1951	12	26	10	07	04.	31.3 N	90.6 E		6.25	A IU	TIBET	
AAG	1952	8	17	16	02	11.	31.0 N	91.5 E		7.5	A DGIU	TIBET	
III	1953	10	8	19	11	00.	32.3 N	82.8 E		6.		IU TIBET	
IIA	1953	10	11	17	08	03.	32.3 N	82.8 E		6.25	A IU	TIBET	
AAA	1953	12	3	14	54	08.	31.4 N	85.7 E		6.25	A IU	TIBET	
IIL	1954	2	23	06	40	32.	27.8 N	91.7 E		6.		IU TIBET	
AAA	1955	1	28	17	02	38.	33.2 N	82.4 E		6.5	A IU	TIBET	
IIL	1955	3	27	14	38	43.	29.9 N	90.2 E		6.		IU TIBET	
IIL	1955	6	27	10	14	9.	32.5 N	78.6 E		6.		IU TIBET	
AAA	1957	4	14	07	11	56.	30.58N	84.27E		6.5	A IU	TIBET	
IIL	1957	4	22	01	42	18.	30.85N	84.31E		6.		IU TIBET	
IAA	1958	10	28	10	46	32.	30.63N	84.48E		6.25	A	IU TIBET	
AAA	1959	11	10	20	56	15.	36.2 N	88.7 E		6.	A	IU TIBET	
AAA	1961	6	4	07	33	03.	34.15N	81.90E		6.5	A	IU TIBET	
IIL	1964	9	1	13	22	37.3	27.12N	92.26E	33	6.		IU TIBET	

TABLE 2. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
							PROVINCE : TIBET (CONTINUED)					
AAA	1964	10	21	23	09	16.	28.2 N	93.8 E		6.6	A	IU TIBET
AAA	1966	3	6	02	15	58.	31.4 N	80.5 E		6.6	A	IU TIBET
AAA	1967	3	14	06	58	06.	28.4 N	94.4 E		6.2	A	IU TIBET
AAA	1970	2	19	07	10	02.8	27.58N	94.13E	12	6.1	A	I TIBET
AAA	1971	4	3	04	50	42.3	31.9 N	95.4 E	20	6.5	A	IU TIBET
AAA	1971	5	22	20	03	30.6	32.5 N	92.3 E	20	6.5	A	IU TIBET
AAA	1972	7	22	16	41	01.5	31.4 N	91.5 E	15	6.0	A	IU TIBET
AAL	1973	7	14	04	51	21.0	35.3 N	86.5 E	32	7.0	A	IU TIBET
AAA	1973	7	14	13	39	30.0	35.4 N	86.6 E	30	6.0	A	IU TIBET
AAA	1973	9	8	07	25	43.4	33.3 N	86.9 E		6.0	A	IU TIBET
UBB	1975	1	19	08	02	02.5	31.9 N	79.2 E		7.1		U TIBET
UBB	1975	3	18	18	44	16.4	35.3 N	86.6 E		6.3		U TIBET
UBB	1975	4	28	11	06	43.5	35.7 N	78.4 E		6.0		U TIBET
							PROVINCE : TSINGHAI					
IIA	1915	4	28	03	19	46.	34.5 N	96.0 E		6.5	AC I	TSINGHAI
AAA	1915	5	5	15	12	08.	34.0 N	96.0 E		6.5	AC	TSINGHAI
IIA	1917	9	4	16	42	16.	39.0 N	95.0 E		6.	AC I	TSINGHAI
IIA	1920	5	2	08	27	50.	35.0 N	90.5 E		6.25	AC I	TSINGHAI
IIA	1920	5	2	14	46	40.	35.0 N	90.5 E		5.25	AC I	TSINGHAI
AAG	1927	3	15	21	48	37.	38.2 N	98.2 E		6.	AC GIU	TSINGHAI
AAG	1930	7	13	19	27	21.	38.1 N	98.2 E		6.5	AC GIU	TSINGHAI
AAG	1934	6	23	05	19	55.	33.0 N	92.8 E		6.	AC GIU	TSINGHAI
AAG	1935	7	26	10	32	31.	33.3 N	101.1 E		6.	AC GIU	TSINGHAI
AAG	1937	1	7	13	20	41.	35.5 N	97.6 E		7.6	ACDGIU	TSINGHAI
AAA	1938	8	22	21	37	24.	37.4 N	98.5 E		6.	AC GIU	TSINGHAI
AAG	1941	4	19	07	53	45.	39.1 N	97.0 E		6.	AC GIU	TSINGHAI
AAG	1947	3	17	08	19	41.	33.3 N	99.5 E		7.7	ACDGIU	TSINGHAI
IIA	1949	6	15	09	47	42.	33.3 N	100.0 E		6.	AC I	TSINGHAI
AAA	1952	10	5	22	04	30.	37.1 N	93.2 E		6.	A	IU TSINGHAI
AAA	1952	10	31	23	51	40.	33.3 N	101.0 E		6.	A	IU TSINGHAI
AAA	1959	4	27	13	09	24.	33.2 N	92.6 E		6.	A	IU TSINGHAI
IIL	1961	12	4	12	38	09.	33.39N	95.25E		6.		IU TSINGHAI
AAA	1962	5	21	12	02	52.	37.1 N	96.0 E	25	6.8	A D	IU TSINGHAI
AAA	1963	4	19	07	35	21.	35.7 N	97.0 E		7.	A D	IU TSINGHAI
IIL	1964	3	16	01	05	19.8	36.95N	95.50E	50	6.5		IU TSINGHAI
AAA	1971	3	24	13	54	16.4	35.5 N	98.1 E	13	6.3	A	IU TSINGHAI
AAA	1971	4	3	04	49	00.5	32.2 N	95.1 E	20	6.3	A	IU TSINGHAI
UBL	1975	5	5	05	18	49.3	32.8 N	92.9 E		6.5		U TSINGHAI
							OFFSHORE : TUNG HAI					
AAA	1923	4	23	03	17	00.	29.0 N	124.5 E		6.75	AC I	TUNG HAI*
							PROVINCE : YUNNAN					
AAA	1901	2	15				26.0 N	100.0 E		6.	AC	YUNNAN
DDD	1908	2	9	18	13		26.0 N	100.0 E		7.3	D	YUNNAN
AAA	1909	5	11				24.4 N	103.0 E		6.5	AC	YUNNAN
AAA	1913	12	21	15	37	35.	24.2 N	102.5 E		6.5	ACD	YUNNAN

TABLE 2. (CONTINUED)

CODE	YEAR	MO	DY	HR	MN	SEC	LAT	LONG	DEPTH	MAG	SOURCE	PROVINCE
							PROVINCE : YUNNAN (CONTINUED)					
GGG	1914	3	28	10	44	48.	25.0 N	99.0 E	100	6.9	GIU	YUNNAN
IAA	1917	7	30	23	54	05.	28.0 N	104.0 E		6.5	ACD I	YUNNAN
AAA	1923	7	1	07	54	55.	23.0 N	101.0 E		6.5	AC I	YUNNAN
IIA	1925	3	16	23	50	26.	25.0 N	100.5 E		6.25	AC I	YUNNAN
AAG	1925	3	16	14	42	17.	25.7 N	100.3 E		7.1	ACDGIU	YUNNAN
GAA	1927	3	14	17	37	39.	25.4 N	103.1 E		6.	AC GIU	YUNNAN
GGA	1929	3	22	03	04	04.	24.0 N	103.0 E		6.25	AC GIU	YUNNAN
AAA	1929	10	16	20	27	37.	25.8 N	98.7 E		6.5	AC I	YUNNAN
AAA	1930	4	28	18	34	37.	25.8 N	98.6 E		6.25	AC I	YUNNAN
AAA	1930	9	21	23	04	14.	25.8 N	98.4 E		6.5	AC I	YUNNAN
AAA	1930	9	25	18	33	34.	25.3 N	98.9 E		6.	AC I	YUNNAN
AAA	1930	11	4	15	38	03.	25.6 N	98.3 E		6.	AC I	YUNNAN
AAA	1930	12	2	07	01	26.	25.8 N	98.3 E		6.	A I	YUNNAN
IIA	1931	7	25	12	40	06.	25.5 N	98.5 E		6.	AC I	YUNNAN
AAG	1933	6	7	11	46	08.	27.5 N	99.9 E		6.25	AC GIU	YUNNAN
AAG	1933	8	11	08	54	06.	25.9 N	98.4 E		6.5	A GIU	YUNNAN
AAG	1934	1	12	13	31	52.	23.7 N	102.7 E		6.	AC GIU	YUNNAN
AAG	1934	1	19	12	33	11.	25.9 N	98.3 E		6.	A GIU	YUNNAN
IAA	1938	5	14	12	03	03.	23.0 N	99.8 E		6.	AC I	YUNNAN
AAG	1940	4	6	13	43	02.	23.8 N	102.4 E		6.	AC GIU	YUNNAN
GAG	1941	5	16	07	14	32.	23.6 N	99.4 E		6.9	AC GIU	YUNNAN
AAA	1941	10	31	06	31	06.	25.4 N	98.4 E		6.25	AC I	YUNNAN
AAG	1941	12	26	14	48	09.	22.2 N	100.1 E		7.	ACDGIU	YUNNAN
AAA	1942	1	31	17	30	47.	22.8 N	101.0 E		6.75	AC I	YUNNAN
AAA	1948	6	27	00	08	23.	26.6 N	99.6 E		6.25	AC I	YUNNAN
GAG	1950	2	2	23	33	39.	21.7 N	100.1 E		7.	A DGIU	YUNNAN
AAA	1950	2	3	02	51	52.	22.1 N	99.9 E		6.75	A IU	YUNNAN
AAA	1951	12	21	08	37	29.	26.5 N	99.8 E		6.25	A IU	YUNNAN
AAA	1952	6	19	12	12	59.	22.7 N	99.8 E		6.5	A IU	YUNNAN
AAL	1955	3	22	06	14	12.	25.9 N	98.4 E		6.25	A IU	YUNNAN
AAA	1955	6	7	00	48	54.	26.5 N	101.1 E		6.	A IU	YUNNAN
AAA	1955	9	23	15	06	23.	26.3 N	101.9 E		6.75	A D IU	YUNNAN
AAA	1961	6	27	07	03	41.	27.77N	99.68E	5	6.	A IU	YUNNAN
AAA	1962	6	24	01	21	18.	25.3 N	101.1 E		6.2	A IU	YUNNAN
AAA	1963	4	23	09	55	07.	25.8 N	99.5 E	20	6.	A IU	YUNNAN
AAA	1965	7	3	11	26	12.	22.4 N	101.6 E	15	6.1	A IU	YUNNAN
AAA	1966	2	5	15	12	32.	26.20N	103.20E		6.5	A IU	YUNNAN
AAA	1966	2	13	10	44	41.	26.10N	103.10E		6.2	A IU	YUNNAN
AAA	1966	9	28	14	00	23.	27.25N	100.42E		6.4	A IU	YUNNAN
AAA	1970	1	4	17	00	37.0	24.20N	102.68E	13	7.7	A IU	YUNNAN
AAA	1970	2	6	22	10	39.7	23.08N	101.03E	15	6.2	A IU	YUNNAN
AAU	1971	4	28	15	32	00.5	23.0 N	101.2 E	15	6.3	A IU	YUNNAN
AAA	1971	9	14	03	11	04.5	23.0 N	100.9 E	33	6.2	A IU	YUNNAN
AAA	1973	8	16	03	58	07.1	22.9 N	101.1 E	10	6.3	A IU	YUNNAN
IZL	1974	5	10	19	25	17.	28.2 N	103.9 E	10	6.9	IU	YUNNAN
UBL	1976	5	29	14	00	18.5	24.6 N	98.7 E		7.1	U	YUNNAN
UBL	1976	5	29	12	23	18.7	24.6 N	98.7 E		7.	U	YUNNAN
UBL	1976	5	31	05	08	28.5	24.6 N	98.7 E		6.3	U	YUNNAN
UBL	1976	6	9	00	20	39.5	24.6 N	98.7 E		6.	U	YUNNAN
UBL	1976	7	21	15	10	45.6	24.6 N	98.7 E		6.4	U	YUNNAN
UBB	1976	11	6	18	04	08.9	27.4 N	100.9 E		6.6	U	YUNNAN
UBB	1976	12	13	06	37	00.5	27.1 N	101.0 E		6.7	U	YUNNAN

Columns 32 to 36 (F5.2):	Latitude of epicenter in degrees; the "N" in column 37 indicates north latitude.
Columns 39 to 44 (F6.2):	Longitude of epicenter in degrees; the "E" in column 45 indicates east longitude.
Columns 48 to 50 (I3):	Focal depth in kilometers.
Columns 52 to 55 (F4.2):	Earthquake magnitude in M_S scale.
Columns 62 to 67 (6A1):	Major sources where this earthquake is listed. See section on "Source Materials" for source codes.
Columns 70 to 77 (A8):	Province where the earthquake occurred. A "*" in column 78 indicates that the earthquake occurred off the shore of the province listed.

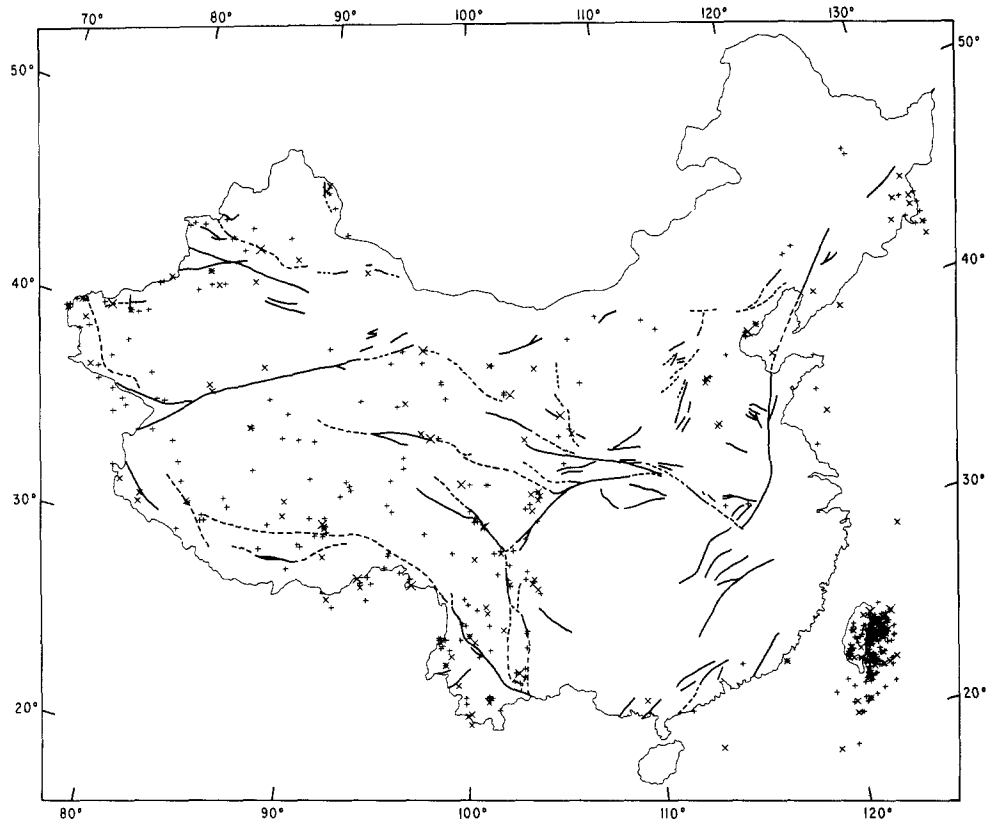

FIG. 2. Map showing distribution of epicenters of "instrumental" earthquakes in China (1901 to 1976; magnitude ≧6). Symbol size is proportional to magnitude (M): large X for $M > 7.5$, small x for $6.5 < M \leqq 7.5$, and + for $6.0 \leqq M \leqq 6.5$. The base map is taken from Figure 2 of Lee *et al.* (1976), and map projection is Albers equal-area.

Our codified catalog of Chinese instrumental earthquakes is listed chronologically in Table 1. A map of China by province is shown in Figure 1, and instrumental earthquakes are listed by province in Table 2. Within each province, the data are listed chronologically.

Our catalog contains more entries than any previous catalog for the same magnitude cut-off. For example, Academia Sinica (1974) listed 458 earthquakes from 1901 to 1973, whereas we have 548 for the same period. (About 80 per cent of our additional earthquakes occurred in Taiwan and near vicinity.) Gutenberg and

Richter (1954) listed 141 Chinese earthquakes with $M \geqq 6$ from 1904 to 1952, whereas we have 384 for the same period.

Finally, a map showing the distribution of epicenters from our catalog is shown in Figure 2. The base map of major faults is taken from Figure 2 of Lee *et al.* (1976). Because the tectonics of China is extremely complex, it is beyond the scope of this paper to discuss the implications of seismicity. However, we hope that our catalog will serve as a quick index for students of Chinese seismicity and tectonics.

After we submitted our paper for publication, Professor B. A. Bolt alerted us that Academia Sinica (1974) had just been revised and updated. It is too late, however, to take it into acocunt.

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