

Table S1. Full list of tsunami entries in the northeast of the South China Sea region recorded in 15 source databases.

Event Number (#)	<sup>1,2</sup> Date of event (Time)	Tsunami Location	Lat. /Long.	<sup>3</sup> Cause	Source location (Lat. /Long.)	<sup>4</sup> Assigned validity in existing database	<sup>5</sup> Tsu. Int. 1	<sup>5</sup> Tsu. Int. 2	<sup>6</sup> Max. water height (m)
1	<u>1076-10-31</u>	Chaoyang (Guangdong)		E	Guangdong				
	1076-10-31	Chaoyang				Doubtful			
	1076-10-31~11-28	Chao-an (former Haiyang), Chaoyang							
	1076-10-31~11-28	Chao-an (former Haiyang), Chaoyang							
	1076-10-31	Chao-an (former Haiyang), Chaoyang	23.5/116.5			Possible tsunami but erroneous report			
	<u>1076-10-31</u>			M	South China Sea	1 [very doubtful]	1.00		
	<u>1076-10-31</u>			U	Chao-an, South China Sea (23.3/117)	2 [questionable]			
2	1353-8-1	Quanzhou							
	1353-8-1	Quanzhou							
3	1604-12-29			E (8)	Offshore Quanzhou (25/119.5)				
	1604-12-29			E (8)	Quanzhou				
	1604-12-29	Quanzhou		E (8)	Fujian (25/119.5)				
	1604-12-29	North of Taiwan Strait							
	1604-12-29	Quanzhou (Fujian)		E (7.5)	Sea outside Quanzhou (24.7/119)				
	1604-12-29	North of Taiwan Strait							
	1604-12-29	Quanzhou, Shaxian		E (7.5)	Quanzhou (25/119.5)				
	1604-12-29	Quanzhou (Fujian)	24.7/119	E (7.5)		True			
	<u>1604-12-29</u>			E (8)	Fujian off coast (25/119.5)	1 [very doubtful]			
4	<u>1640-9-16~11-14</u>	Chenghai, Chaoyang, Jieyang (Guangdong)		E	(23/117)	* [Valid]			
	1640	Chenghai, Chaoyang, Jieyang (Guangdong)	23.28/116.45, 23.17/116.36, 23.33/116.20	E					
	1640-9-16	Chenghai, Chaoyang, Jieyang (Guangdong)							
	1640-9-16~10-14	Jieyang, Chenghai, Chaoyang							
	1640-9-16~10-14			E (5.75)	Jieyang, Chenghai, Chaoyang	4 [tsunami]		0	
	1640-9-16	Chaoyang, Huilai, Chenghai, Jieyang		E (5.75)	Shantou (23.5/116.5)				
	1640-9-16~10-4	Jieyang, Chenghai, Chaoyang							
	1640-9-16~10-14	Jieyang, Chenghai, Chaoyang							
	1640-9~10	Jieyang, Chaoyang (Guangdong)	23.5/116.5	E (5.75)		Possible tsunami but erroneous report			
	<u>1640-9-16</u>			E	Guangdong (23/117)	2 [questionable]	1.00		
	<u>1640-9-16</u>			T	South China Sea (23.5/116.5)	2 [questionable]	1		
5	1641-9-16~11-26			E (5.75)	Chenghai, Chaoyang (23.5/116.5)				
	1641-9-16~11-26				Chenghai, Chaoyang				
	1641-9-16~11-26	Chenghai, Chaoyang		E (5.75)	Chenghai, Chaoyang (23.5/116.5)				
	1641-11-26	Jieyang, Chaoyang (Guangdong)	23.5/116.5	E (5.75)		Did not pass validation			
6	1660	Taiwan							
	<u>1660</u>			U	South China Sea	-1 [erroneous entry]			

Event Number (#)	Reported observation/ highlights	References
1	<p>Dubious tsunami. Probably storm surge.</p> <p>Chaoyang: Tidal waves recorded. Homes destroyed and people died. Probably storm origin.</p> <p>Haiyang &amp; Chaoyang: Sea-surge, houses destroyed, residents drowned.</p> <p>Quoted Li (1981). The 'Sea-surge' can be caused by tsunami or typhoon.</p> <p>Haiyang &amp; Chaoyang: Sea-surge occurred/ A typhoon and sea surge occurred, damaged houses and crops.</p> <p>Chaoan: tidal sea waves, 'probably waves of storm origin'.</p>	<p>Iida et al., 1967 (Keimatsu, 1963)</p> <p>Soloviev and Go, 1974 ('History of Zong State'; Keimatsu, 1963; Iida et al., 1967; Cox, 1970)</p> <p>Li, 1981 (&lt;Dynasty Zong record&gt;)</p> <p>Li et al., 2006 (&lt;Dynasty Zong record &gt;; Li, 1981; Li, 1991)</p> <p>Mak and Chan, 2007 (&lt;Dynasty Zong record &gt;; &lt;Chaoyang County record made in 1884&gt;)</p> <p>NGDC database (Soloviev and Go, 1974)</p> <p>NTL database (Soloviev and Go, 1974)</p>
2	<p>Sea with 3 tides in a day.</p> <p>Quoted Li (1981). The event can be caused by tsunami or typhoon.</p>	<p>Li, 1981 (&lt;Dynasty Yuan record&gt;)</p> <p>Li et al., 2006 (&lt;Dynasty Yuan record&gt;; Keimatsu, 1963; Li, 1981; Li, 1991)</p>
3	<p>'Mountain, stone, and sea water were totally moving, many boats sank down, the ground was cracked apart.' (Gu et al., 1983)</p> <p>Quanzhou: intense earthquake, sea water were moved and boats sank.</p> <p>Quanzhou: Hill, rocks, sea water were all moving. Many boats sank.</p> <p>Gao et al. (1992) mentioned a storm-surge at Quanzhou in 1603 did have not mention if the 1604 earthquake caused a 'tidal disaster'. No publication record of any abnormal water condition resulting from this earthquake.</p> <p>Quanzhou: mountains and sea in motion, many boats sunk; Shaxian: streams and rivers spilled over.</p> <p>A great earthquake followed by many aftershocks, houses collapsed, many boats sank.</p> <p>Quanzhou: Sea surged, Shaxian: river water surged.</p>	<p>Zhou and Adams, 1986 (Gu et al., 1983)</p> <p>Yang, 1987 (Zhou and Adams, 1986)</p> <p>Lee, 1988 (Chinese Academy of Sciences, 1956; Zhou and Adams, 1986)</p> <p>Wang et al., 2005 (National Earthquake Administration, 1995)</p> <p>Li et al., 2006 (Yang, 1987; Bao et al., 1991; Gao et al., 1992)</p> <p>Wong and Chan, 2006</p> <p>Mak and Chan, 2007 (&lt;Quanzhou historical record&gt;; Zhuo and Chen, 1983)</p> <p>NGDC database (Gu et al., 1989)</p>
4	<p>Earthquake and tsunami.</p> <p>Earthquake and tsunami reported.</p> <p>Earthquake at Guangdong, Tsunami at 3 cities (Chenghai, Chaoyang, Jieyang).</p> <p>Sea surge, frequent earthquakes.</p> <p>Frequent earthquakes, flooding from sea and lake.</p> <p>Tides overflowed due to an earthquake near Shantou.</p> <p>Frequent earthquakes in the month and tides overflowed.</p> <p>'Frequent earthquakes, and sea surge' (Keimatsu, 1963). Literally it is unclear that if earthquakes and sea surge occurred shortly after one another, or there were earthquakes and sea surges within this time period.</p> <p>There was sea-surge and frequent earthquakes/ Sea-surge, then frequent earthquakes at winter. / Some dated 16 September 1640.</p> <p>Chenghai, Chaoyang, Jieyang: tsunami observed.</p>	<p>Iida et al., 1967 (Keimatsu, 1963)</p> <p>Berninghausen, 1969 (Keimatsu, 1963)</p> <p>Soloviev and Go, 1974 ('Chronicles'; Keimatsu, 1963; Iida et al., 1967; Berninghausen, 1969; Cox, 1970)</p> <p>Li, 1981 (&lt;Chieyang county report&gt;; &lt;Chenghai county report&gt;; &lt;Chaoyang county report&gt;)</p> <p>Yang, 1987 (Soloviev and Go, 1974; Lu, 1984; Iida, 1984; NGDC &amp; WDC-A, 1984)</p> <p>Lee, 1988 (Chinese Academy of Sciences, 1956; Zhou and Adams, 1986)</p> <p>Yü, 1994 (&lt;Chieyang county report&gt;; &lt;Chenghai county report&gt;; &lt;Chaoyang county report&gt;; Li, 1991)</p> <p>Li et al., 2006 (Keimatsu, 1963; Bao et al., 1991; Kao et al., 1992)</p> <p>Mak and Chan, 2007 (&lt;Chaozhou record made in 1661&gt;; &lt;Chaozhou record made in 1694&gt;)</p> <p>NGDC database (Iida et al., 1967; Soloviev and Go, 1974)</p> <p>NTL database (Soloviev and Go, 1974)</p>
5	<p>An earthquake occurred. No observations of the sea were reported.</p>	<p>Zhou and Adams, 1986</p> <p>Yang, 1987 (Zhou and Adams, 1986)</p> <p>Li et al., 2006 (Yang, 1987; Bao et al., 1991)</p> <p>Mak and Chan, 2007 (Chinese Academy of Sciences, 1956; Zhou and Adams, 1986)</p>
6	<p>The sea was violently agitated and the ships dashed about.</p>	<p>Berninghausen, 1969 (Mallet and Mallet, 1858)</p> <p>NGDC database (Cox et al., 1974)</p>

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7	<u>1661-1-8 or 1-9</u>	Taiwan				? [Possible]			
	1661-1-8 or 1-9	Taiwan		E					
	1661-1-8 or 1-9			E	Taiwan				
	1661-2-15			E (6)	South of Taiwan (23/120.2)				
	1661-1-8 or 9~2-15				Southwestern Taiwan (23/120.1)	4 [tsunami]		1	
	1661-2-15	Anping (Tainan)		E (6)	Near Tainan (23/120.2)				
	1661-1	Tainan (Taiwan)		E (6.4)	('Possible') Tainan			0	
	1661-1-8	Anping (Tainan)		E					
	1661-2-15	Anping		E (6)	Tainan (23/120.2)				
	1661-1~2	Tainan (Taiwan)	23/120.20	E (6.5)		Did not pass validation			
	<u>1661-1-8</u>			E (6.4)	Taiwan (23/120.1)	2 [questionable]	1.50		
<u>1661-2-15</u>			E (6)	Tainan (23/120.2)	0 [event that only caused a seiche or disturbance in an inland river]				
<u>1661-1-8</u>			T	South China Sea (23/120)	2 [questionable]	1.5			
8	<u>1682-12</u>			U	South China Sea	-1 [erroneous entry]			
9	1721-1-5	Tainan (Taiwan)		E (6/6.5)	('Possible') Chiayi/ Tainan			-1	
	1721-1-5	Tainan							
10	1721-9				Tainan				
	1721-9				Tainan				
	1721-9	Tainan (Taiwan)		E					
	1721-9	Tainan							
	1721-9	Tainan (Taiwan)	23/120.20	E (6)		Possible tsunami but erroneous report			
	<u>1721</u>			E	Tainan (23/120.2)	1 [very doubtful]			
11	1754-4	Danshui							
	1754-4				Danshui (25.3/121.4)	3 [probably tsunami]		1	
	1754-4	Danshui (Taipei)		E (>6)	(25.3/121.4)				
	<u>1754-4</u>			U	East China Sea (25.3/121.4)	3 [probable]	0.50		
	<u>1754-4</u>			U	East China Sea (25.3/121.4)	2 [questionable]	0.5		
12	<u>1765-5</u>	Near Guangdong				? [Possible]			9?
	1765-5 end of month	Near Guangdong							9
	1765-5 end of the month	Guangzhou							9?
	1765-5	Guangzhou (Guangdong)				Very doubtful			9
	1765-5	Guangdong	23.13/113.33	E (6)		Possible tsunami but erroneous report			~9
	1765-5			M	South China Sea (23.133/133.333)	-1 [erroneous entry]	2.00		9
	1765-5	Guangdong	23.13/113.33	U	Guangzhou, South China Sea (23.13/133.33)	4 [definite]	2		9

Event Number (#)	Reported observation/ highlights	References
7	<p>Sea violently agitated, ships dashed about. Perhaps a sea quake.</p> <p>Local shocks, the sea was violently agitated. Probably the same event as 1660.</p> <p>3 ships in port spun in an unusual way. A flood tide from the sea rose so high that it looked like a mountain.</p> <p>Big tsunami at Anping. When tides came, numerous houses flooded.</p> <p>Sea was violently agitated. An-ping: sea rose suddenly by about 1m.</p> <p>Earthquake, followed by waves that brought water into air, formed shape of clouds.</p> <p>'3 ships in port were swung by water. In this earthquake, sea water has been brought up and formed shape of clouds' (Herport, 1659-1663)</p> <p>Boats sunk in harbour, seawater swirled up in the air.</p> <p>2 dates given for this event in previous literatures: 8 January and 15 February.</p> <p>Ships spun in unusual way, flood tide rose high like a mountain.</p> <p>Bamboo-built church at Shanhua collapsed. Turbulent sea water.</p>	<p>Iida et al., 1967 (Mallet, 1852; Milne, 1912; Heck, 1947)</p> <p>Berninghausen, 1969 (Milne, 1912)</p> <p>Soloviev and Go, 1974 (Schouten, 1708; Montbeillard, 1761; Hoff, 1840; Mallet, 1855; Perrey, 1862b; Milne, 1912; Heck, 1934, 1947; Ponyavin, 1965; Iida et al., 1967; Berninghausen, 1969)</p> <p>Zhou and Adams, 1986</p> <p>Yang, 1987 (Soloviev and Go, 1974; Iida, 1984; Zhou and Adams, 1986)</p> <p>Lee, 1988 (Zhou and Adams, 1986; Heck, 1947; Berninghausen, 1969; Lu, 1984)</p> <p>Yü, 1994 (Hsu, 1979; Hsu, 1981; Hsu H., 1983; Li, 1991)</p> <p>Li et al., 2006 (Herport, 1659-1663; Hsu H., 1983; Yang, 1987; Zheng and Yeh, 1989; Bao et al., 1991; Yü, 1994)</p> <p>Wong and Chan, 2006</p> <p>Mak and Chan, 2007 (Fang, 1969)</p> <p>NGDC database (Iida et al., 1967; Soloviev and Go, 1974; Iida, 1984)</p> <p>NGDC database (Gu et al., 1989)</p> <p>NTL database (Soloviev and Go, 1974)</p>
8		NGDC database (Iida, 1984)
9	<p>A number of earthquakes in the month, buildings collapsed and people killed. Sea water swelled due to earthquake.</p> <p>Quoted reports by Hsu H. (1983) and Yü (1994).</p>	<p>Yü, 1994 (&lt;Taiwan government record&gt;; Lee et al., 1976; Hsu H., 1983)</p> <p>Li et al., 2006 (Hsu H., 1983; Yü, 1994)</p>
10	<p>On the basis of additional descriptive texts, it seems to have occurred as a storm surge.</p> <p>Tainan: winds, rainstorms and earthquakes. Sea rose, ships and houses damaged. Thousands of deaths. Possibly referring to 1721-1-5 event. An earthquake occurred in the month but no tsunami was mentioned.</p> <p>Strange wind and rainstorm, sea rose, ships collided; earthquake occurred, damaged houses. Thousands of deaths. Earthquake and sea rose.</p> <p>Tainan: unusual wind and rainstorm, thousands of deaths.</p>	<p>Zhou and Adams, 1986</p> <p>Yang, 1987 (Zhou and Adams, 1986)</p> <p>Lee, 1988 (Chinese Academy of Sciences, 1956; Zhou and Adams, 1986)</p> <p>Li et al., 2006 (Yang, 1987; Zheng and Yeh, 1989; Bao et al., 1991)</p> <p>Mak and Chan, 2007 (&lt;Dynasty Ming and Ching history&gt;; &lt;Taiwan record&gt;; Fang, 1969; First Archive of China, 1996)</p> <p>NGDC database (Gu et al., 1989)</p>
11	<p>Many houses destroyed by tsunami.</p> <p>Quoted Yang (1987). There may be more data in other government records to verify this tsunami.</p>	<p>Soloviev and Go, 1974 (Hsu, 1971)</p> <p>Yang, 1987 (Soloviev and Go, 1974; Iida, 1984)</p> <p>Li et al., 2006 (Yang, 1987; Bao et al., 1991)</p> <p>NGDC database (Soloviev and Go, 1974)</p> <p>NTL database (Soloviev and Go, 1974)</p>
12	<p>Sea suddenly rose, swept 10000 people. No quake mentioned, possibly meteorological.</p> <p>The sea suddenly rose 9 m (30 feet) near Canton and swept away 10000 inhabitants. No earthquake was reported.</p> <p>9 m high (?) waves. Sea suddenly rose and washed away 10000 people. No earthquake. Probably meteorological origin.</p> <p>Near Guangzhou: Sea rose 9 m, swept 10000 people. No earthquake. (Probably same incident as 1765 or 1767-11-22)</p> <p>Tide of 30 feet at neighbourhood of Guangdong, swept away 4000 houses and 10000 people.</p> <p>Guangzhou: 9 m high waves, swept away 10000 people. Probably meteorological.</p>	<p>Iida et al., 1967 (Mallet, 1854)</p> <p>Berninghausen, 1969 (Mallet and Mallet, 1858)</p> <p>Soloviev and Go, 1974 (Mallet, 1954; Iida et al., 1967; Berninghausen, 1969)</p> <p>Lee, 1988 (Heck, 1947; Berninghausen, 1969; NGDC &amp; WDC-A, 1984)</p> <p>Mak and Chan, 2007 (The Annual Register, 1766; Mallet and Mallet, 1858; National Palace Museum, 1982a)</p> <p>NGDC database (Mallet and Mallet, 1858; Iida et al., 1967; Soloviev and Go, 1974; Iida, 1984)</p> <p>NTL database (Soloviev and Go, 1974)</p>

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13	1765-11-22	Macau	22.12/113.33	E					
	1767-11-22 (21:50)	Macau		E					
	1765-11-22 (or year 1767 as in NGDC 1984)	Macau		E	Macau				
	1767-11-22	Macau (Guangdong)	22/113.30	E (7)		Did not pass validation			
	1767-11-22			E	South China Sea	2 [questionable]			
	1767-11-22	Macau		T	Macau, South China Sea (22/113.3)	2 [questionable]	1		
14	1781-5-22				Taiwan, Taiwan strait	3 [probably tsunami]		1	>30
	1781-4-24~6-21	Pingtung (Taiwan)		E (6.4)	(‘Possible’) Distant earthquake			2	>30
	1781-4-5	Kaohsiung							
	1781-4~6	Kaohsiung (Taiwan)	24/121			True			>30
15	1782-5-22	Taiwan Strait coasts (Taiwan & China)				? [Possible]			
	1782-5-22	Taiwan		E					
	1782-5-22	Kaohsiung (Taiwan)	24/121	E (7)		Possible tsunami but erroneous report			
	1782-5-22			E (7)	South China Sea	2 [questionable]	2.50		
	1782-5-22	Taiwan		T and L	Taiwan, South China Sea (24/121)	3 [probable]	3		10
16	1792-8-9			E (6.75)	Chiayi (23.6/120.5)				
	1792-8-9			E (6.75)	Chiayi (23.6/121.7)				
	1792-8-9	An-ping (Tainan)		E (6.75)	Earthquake reported in Tainan, Fengshan, Chiayi, Zhanghua (23.6/120.5)				
	1792-8-9	Tainan (Taiwan)		E (6.75/7.1)	(‘Possible’) Yunlin/ Chiayi			2	
	1792-8-9	Luerhmen (Tainan)		E (7)	Chiayi (23.6/120.6)				
	1792-8-9	Changhua (Taiwan)		E					
	1792-8-9	Zhanghua, Chiayi (Taiwan)		E (6.75)	Chiayi (23.6/120.5)				
	1792-8-9	Tainan (Taiwan)	23.6/120.6	E (7)		Did not pass validation			
17	1792-8-9			E (6)	Tainan (23.6/120.5)	2 [questionable]			>10
	1853-10-29	East coast of Taiwan		V					
18	1853-10-29			U	E. Taiwan-Ryukyu Islands (24/121.83)	-1 [erroneous entry]			
	1862-6-6			T	Chiayi (24/121)	1 [very doubtful]			
19	<sup>9</sup> 1866-6-11	Kaohsiung							
20	1866-12-16	Kaohsiung		E (6.4)	(‘Possible’) Distant earthquake			0	
	<sup>9</sup> 1866-12-16	Kaohsiung							

Event Number (#)	Reported observation/ highlights	References
13	Local shock, the ships in harbour shook and whirled about, and those on board imagined at first that it had been a whirlwind. Possibly the same as 1765-5.	Berninghausen, 1969 (De Visme, 1809)
	Terrible earthquake at Macau. A ship in bay was shaken and spun, while wind was light. Cox and Berninghausen think this is the same incident as 1765-5.	Soloviev and Go, 1974 (de Visme, 1769; Berninghausen, 1969; Cox, 1970)
	Ships shook and whirled about. (Probably same incident as 1765-5)	Lee, 1988 (Heck, 1947; Berninghausen, 1969; NGDC & WDC-A, 1984)
	Ships in harbor were shaken and whirled about. Some referred this event to 1765 event.	Mak and Chan, 2007 (de Visme, 1769; Iida et al., 1967; Berninghausen, 1969; Cox, 1970)
		NGDC database (Soloviev and Go, 1974)
		NTL database (Lockridge and Dunbar, 1996)
14	Weather was fine, suddenly sea roared with wave of >30 m, and ebbed. Taiwan Strait earthquake, tsunami lasted 1-8 hrs, >50000 people died.	Yang, 1987 (Chen et al., 1830; Soloviev and Go, 1974; Lu, 1984; Iida, 1984; NGDC & WDC-A, 1984; Zhou and Adams, 1986) <sup>8</sup>
	Weather was fine, suddenly sea roared with wave of >30 m, and ebbed. Houses submerged, one woman died.	Yü, 1994 (Chen et al., 1830; Hsu H., 1983)
	Great contrast in death toll between reports of Soloviev & Go (1974) and Yang (1987). No record in Guangdong and Fujian data but they would be affected if the tsunami was generated by far field earthquake.	Li et al., 2006 (Soloviev and Go, 1974; Hsu H., 1983; Yang, 1987; Bao et al., 1991; Hatori, 1994; Ma et al., 1994)
	Weather was fine, suddenly sea roared with wave of >30 m, and ebbed. Houses submerged, one woman died.	Mak and Chan, 2007 (Chen et al., 1830)
15	Sea rose with violence, remained high 1 or 8 hrs (?). Drowned immense numbers. No quake, possibly meteorological.	Iida et al., 1967 (Mallet, 1854)
	Earthquake affected whole island. Tsunami waves ran in E-W direction. 'Almost the entire island was flooded for a distance more than 120 km (30 leagues)'. >40000 deaths	Soloviev and Go, 1974 (Perrey, 1862a; Mallet, 1854; Iida et al., 1967; Cox, 1970)
	Taiwan: earthquake, flood extended 120 km for inland, 40000 casualties.	Mak and Chan, 2007 (Mallet and Mallet, 1858; Perrey, 1862a; Soloviev et al., 1974; National Palace Museum, 1982b; Yang, 1987; Bryant, 2001)
	Sea rose, remained high '1 or 8 hrs'. Almost flooded entire island. More than 40000 deaths.	NGDC database (Iida et al., 1967; Soloviev and Go, 1975; Massey, 2006)
		NTL database (Soloviev and Go, 1974)
16	'Water was uplifted several meters without wind, the field slumped down and water flooded in lower' (Gu et al., 1983)	Zhou and Adams, 1986 (Gu et al., 1983)
		Yang, 1987 (Zhou and Adams, 1986)
	Although earthquake was not very strong, water was lifted several meters under calm conditions.	Lee, 1988 (Chinese Academy of Sciences, 1956; Zhou and Adams, 1986)
	'Ships at Luermen were always swung in the month due to earthquake. When there was no wind, wave rose to a few 'zhangs'.' (Hsu H., 1983)	Yü 1994 (Lee et al., 1976; Hsu H., 1983; Hsu M.T., 1983; Tsai, 1985)
	Tainan: No wind but high wave. Big ships in sea were swung.	Wang et al., 2005 (Xie et al., 1982-1988)
	In 'typhoon and flood' section in Hsu H. (1983), it was noted farmlands at several Changhua towns were flooded in the year. This can be referring to the same event at Luermen (wave rose to a few zhangs when no wind).	Li et al., 2006 (<Changhua county report>; <Taiwan record of tax and labour>; Hsu H., 1983; Yang, 1987; Zheng and Yeh, 1989; Bao et al., 1991)
	Zhanghua: Nantou and Beitou flooded with seismic water; Chiayi: water shoot up tens of feet, waves bombarding the coast.	Wong and Chan, 2006
	Earthquake, agitated sea seen in harbor, ships shaken. / But no condition of the sea was reported by 'The State Archives Administration of the PRC 1959'.	Mak and Chan, 2007 (Chen et al., 1830; The State Archives Administration of the PRC, 1959; Chen, 1968; National Earthquake Administration, 1995)
Luermen: water surged up tens of meters.	NGDC database (Gu et al., 1989)	
17	Underwater eruption. Sea was agitated and churned so heavily.	Soloviev and Go, 1974 (Perrey, 1859; 1862b; 1864)
	Sea in a strong commotion as a result of volcanic activity.	NGDC database (Iida, 1984; Soloviev and Go, 1974; Kuno, 1962)
18		NTL database (Dunbar et al., 1992)
19		Li et al., 2006 (Yü, 1994)
20	'After an earthquake, boats in harbor were swung, river water fell and suddenly rose, flooding seemed to occur soon' (Hsu H., 1983). 'Sea water rushed on land violently, sweeping away houses at coast' (Tsai, 1985).	Yü, 1994 (Álvarez, 1955; Lee et al., 1976; Hsu, 1981; Hsu H., 1983; Hsu M.T., 1983; Tsai, 1985)
	Quoted Yü (1994). Zheng and Yeh (1989) pointed out the affected area is at Kaohsiung.	Li et al., 2006 (Álvarez, 1955; Hsu H., 1983; Yü, 1994; Zheng and Yeh, 1989)

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21	<sup>9</sup> 1867-6-11	Keelung							
22	<u>1867-12-18</u>	Keelung				* [Valid]			
	1867-12-18	Keelung (Taiwan)	25.09/121.46	E					
	1867-12-18 morning	Keelung		E					
	1867-12-18	Keelung							
	1867-12-18			E (6)	Keelung (25.5/121.7)				
	1867-12-18			E (7)	Keelung (25.5/121.7)	4 [tsunami]		2	
	1867-12-18	Keelung		E (6/ 7)	(Possible)Keelung			2	
	1867-12-18	Keelung			Keelung				7.5
	<sup>9</sup> 1867-12-18	Keelung		E (7)					
	1867-12-18	Near Danshui (Taiwan)		E	Keelung (25.5/121.7)				
	<u>1867-12-18</u>			E (6)	East China Sea (25.5/121.7)	4 [definite]	2.00		
<u>1867-12-18</u>	Keelung		T	Keelung (25.1/121.4)	4 [definite]	2			
23	1882	China		E	Kansuh (Kanchau) <sup>10</sup>				
	<u>1882-12-9</u>			U	South China Sea (24.5/120.5)	-1 [erroneous entry]			
24	1903-9-7 (23:00)	Taiwan Island		E					
	1903-9-7			E	Taiwan	1 [very doubtful]			
	1903-9-7			T	Taiwan (24/121)	1 [very doubtful]			
25	<u>1917-1-25</u>	Tongan (Fujian)		E	Near Xiamen	* [Valid]			
	1917-1-25	Tongan (Fujian)	24.44/118.09						
	1917-1-25	Tongan		E	Coast of Taiwan Strait				
	1917-1-25	Tongan							
	1917-1-25			E (6.5)	Xiamen, Tongan (24.5/119.5)	4 [tsunami]		1	
	1917-1-25	Tongan (Fujian)		E	(24.3/118)				2-5.9
	1917-1-25	Tongan (Fujian)		E (6.5)	(24.5/119.5)				
	1917-1-25	Tongan (Fujian)	24.3/118	E (6.5)		Possible tsunami but erroneous report			
	<u>1917-1-25</u>			E (6.5)	South China Sea (24.5/119.5)	4 [definite]	1.00		
<u>1917-1-25</u>	Tongan (Fujian)		T	East China Sea (23.2/121.6)	4 [definite]	-0.5		0.5	
26	1917-5-6	Keelung		E (5.8)	(23.2/121.6)	* [Valid]			0.5
	1917-5-6 (21:19)	E Taiwan, Keelung							0.5
	1917-5-6 (21:19)			E (5.8)	Taiwan, Taiwan strait (23.2/121.6)	4 [tsunami]		-1	1
	1918-3-27	Keelung		E (6.4)	Su-ao			2	
	1917-5-6	Eastern Taiwan		E (5.8)	(23.2/121.6)				3.7
	<u>1917-5-6 (12:19)</u>			E (5.8)	Taiwan (23.2/121.6)	4 [definite]	-0.50		0.5
	<u>1917-5-6 (12:19)</u>	Keelung	25.15/121.75	T	South China Sea (24.5/118)	4 [definite]	1		

Event Number (#)	Reported observation/ highlights	References
21		Li et al., 2006 (Hsu, 1981; Bao et al., 1991; Yü, 1994)
22	Water ran out of harbour after quake. Swept into town. 100 dead.	Iida et al., 1967 (Siebery, 1932; Heck, 1947; Musya, 1951; Iida, 1956; Keimatsu, 1963; Kawasumi, 1963)
	Destructive shock reported from the northern end of island. 'At Keelung the whole harbour was left dry for a few moments and the water returning in one vast wave rushed into the town itself.'	Berninghausen, 1969 (Holt, 1868; Omori, 1907; Taihoku Meteorological Observatory, 1914; Keimatsu, 1963)
	Earthquake at N Taiwan. Water left Keelung harbour, exposing bottom. Some boats sank, some were tossed into flooded city. Fish was washed ashore.	Soloviev and Go, 1974 (Holt, 1868; Fuchs, 1869; Perrey, 1870, 1872, 1873; Omori, 1907, 1919; Anonymous, 1914; Sieberg, 1932; Heck, 1947; Musya, 1951; Iida, 1956; Keimatsu, 1963; Ponyavin, 1965; Iida et al., 1967; Berninghausen, 1969; Hsu, 1971)
	Keelung: Earthquake with tsunami. Houses destroyed all over the city. Hot water flowed out of volcano nearby. Quite a lot of deaths.	Li, 1981 (<Japanese Earthquake Historical Data>)
		Zhou and Adams, 1986
	Many 'ship houses' destroyed after earthquake, a few hundreds died.	Yang, 1987 (Soloviev and Go, 1974; Iida, 1984; Zhou and Adams, 1986)
	Whole Keelung damaged after earthquake. When sea water ebbed, ships were found on beach. Soon after, water returned and cleared the beach.	Yü, 1994 (Hsu H., 1983)
	Earthquake, tsunami and marine volcano eruption. Keelung: ships sank, houses damaged. A few hundreds drowned at Taipei, Keelung, Yilan, Hualien.	Wang et al., 2005 (Liu, 1989)
	'Seawater ebbed, ships were left on beach; soon the flood comes again violently, brought away ships, and everything on the beach are gone' (Álvarez, 1955). There is no doubt about this tsunami.	Li et al., 2006 (Álvarez, 1955; Keimatsu, 1963; Soloviev and Go, 1974; Li, 1981; Hsu, 1981; Hsu H., 1983; Yang, 1987; Zheng and Yeh, 1989; Bao et al., 1991)
	Sea flooding, hundreds of people drown. Keelung: boats sank or tossed into city, city flooded. One hundred to several hundreds killed.	Wong and Chen, 2006 NGDC database (Iida et al., 1967; Soloviev and Go, 1974; Iida, 1984) NTL database (Soloviev and Go, 1974)
23	Destructive shocks in Kansuh (Kanchau) *cannot be located* were followed by an inundation.	Berninghausen, 1969 (Anonymous, 1882) NGDC database (Cox et al., 1974; Iida, 1984)
24	Earthquake and tidal waves.	Soloviev and Go, 1974 (Rudolph, 1905)
	Taiwan island: tidal waves. Probably storm surge.	NGDC database (Soloviev and Go, 1974; Iida, 1984) NTL database (Soloviev and Go, 1974)
25	Waters following earthquake sank many fishing boats.	Iida et al., 1967 (Keimatsu, 1963)
	Tsunami reported from Tongan.	Berninghausen, 1969 (Keimatsu, 1963)
	Strong earthquake, then unusual ebb tide followed by a flood tide. Many fishing boats damaged.	Soloviev and Go, 1974 ('Chronicle of Tongan'; Keimatsu, 1963; Iida et al., 1967; Berninghausen, 1969)
	Strong earthquake, tide ebbed and rose, most fishing boats sank.	Li, 1981 (<Tongan county report of 1929>)
	Earthquake, then sea ebbed then flooded. Fishing boats sank.	Yang, 1987 (Soloviev and Go, 1974; Lu, 1984; Iida, 1984)
	Strong earthquake occurred and tsunami reported. Tongan: unusual ebb tide then flood tide, sank many boats.	Lee, 1988 (NGDC & WDC-A, 1984; Chinese Academy of Sciences, 1956)
	Quoted Li (1981). The tsunami affected Fujian but there is no record at Taiwan at all.	Li et al., 2006 (Li, 1981; Yang, 1987; Bao et al., 1991; Li, 1991)
	Earthquake, then sea ebbed and flooded. Fishing boats sank.	Mak and Chan, 2007 (<Tongan record in period of Republic of China>; Keimatsu, 1963)
	Tongan, Fujian: unusual ebb tide then flood tide, fishing boats damaged.	NGDC database (Soloviev and Go, 1974; Iida, 1984) NTL database (Soloviev and Go, 1974)
26		Iida et al., 1967 (Imamura and Moriya, 1939; Imamura, 1949; Iida, 1963)
	Earthquake and tsunami on E coast of Taiwan. Keelung: wave from 02:00-16:00.	Soloviev and Go, 1974 (Imamura and Moriya, 1939; Imamura, 1942, 1949; Takahasi, 1951; Iida, 1956, 1963a, 1963b; Anonymous, 1961; Ponyavin, 1956; Iida et al., 1967)
	Keelung: 1m-high tsunami.	Yang, 1987
	Some reports marked day of tsunami as 1917-5-6 or 1918-5-1, but Zheng et al. (1989) found that 'the only hazardous earthquake within these two years' occurred on this day (1918-3-27).	Yü, 1994 (Zheng and Yeh, 1989)
	'The tsunami is reported in previous publications but no such record is found in neither TW or Japanese earthquake catalogues.' (Hsu, 1981). 'According to a Japanese research, a tsunami has hit TW in year 1917, with waveheight of 3.7 m. Other damages are not known.' (United Daily, 1960)	Li et al., 2006 (United Daily, 1960; Hsu, 1981; Yang, 1987; Zheng and Yeh, 1989; Bao et al., 1991)
	Tsunami on east coast of Taiwan. Keelung: waves from 0200-1600.	NGDC database (Soloviev and Go, 1974) NTL database (Soloviev and Go, 1974)



Event Number (#)	Date of event (Time)	Tsunami Location	Lat. /Long.	Cause	Source location (Lat. /Long.)	Assigned validity in existing database	Tsu. Int. 1	Tsu. Int. 2	Max. water height (m)
27	1917-7-4 (08:38)			E (7.3)	Eastern sea of Keelung (25/123)				3.7
28	1918-2-13 (14:07:13)			E (7.3)	Shantou, Nanao (24/117)				
	1918-2-13 (14:07)			E (7.3)	Shantou, Nanao (24/117)	4 [tsunami]		1	
	1918-2-13	Guangdong, Fujian		E (7.25)	Near Shantou and Nan-ao (24/116.5)				
	1918-2-13 (14:07)	Tongan, Shantou (Fujian, Guangdong)		E (7.3)	Sea near Nanao (23.6/117.3)				
	1918-2-13	Shantou (Guangdong)		E (7.3)	Near Nanao (24/117)				7.5
	1918-2-13	Shantou, Fengshun		E (7.3)	Nan'ao (23.5/117)				
	1918-2-13 (06:07)	Nanao (Shantou Guangdong)	23.5/117.2	E (6.5)		Possible tsunami but erroneous report			
	1918-2-13 (06:07:13)			E (7.5) and L	Guangdong (23.5/117.2)	4 [definite]	-1.00		
1918-2-13 (06:07:12.3)			T	S. China (23.57/117.32)	4 [definite]				
29	1918-5-1	Keelung							3.7
30	1921-9	Tainan							
31	1922-9-1 (19:16:06)	Fujian		E (7.6)	Taiwan (24.5/122)	1 [very doubtful]			
	1922-9-1 (19:16:8.2)			T	Taiwan (24.38/122.08)	0 [false entry]			
32	1922-11-12	Keelung		E (8.3)	Chile (-28.5/-70)	* [Valid]			
33	1951-10-22	Hualien		E (7.3)	Hualien			-1	
	1951-10-22	Northeastern sea of Taiwan		E (7.3)	E of Hualien (23.8/121.7)				
	1951-10-22 (05:42:01)			E (7.3)	Taiwan (23.8/121.7)	4 [definite]			0.3
34	1952-11-5	Hong Kong		E (8.2)	Kamchatka				0.15
35	1960-5-24	Hong Kong		E (8.5)	Chile				0.3
	1960-5-24	Keelung, Hong Kong		E (8.25-8.5)	S. Chile (-41/-73.5)	* [Valid]			0.6/0.5
	1960-5-24	Keelung, Hualien		E (8.5)	Chile			0/-1	
	1960-5-24	Hong Kong, Shanghai-Guangdong		E (8.9)	Chile				0.38/ 0.15-0.2
	1960-5-24	Keelung, Hualien		E	Chile				0.66/ 0.3
36	1963-2-13 (16:50)	Hualien		E (7.3)	(24.5/122.3)				0.2
	1963-2-13	Eastern Taiwan		E	(24.2/122.1) or (24.4/122.1)				
	1963-2-13 (08:50:04.5)			E (7.3)	E. Taiwan-Ryukyu Islands (24.4/122.6)	4 [definite]	-2.00		0.2 or 0.4
	1963-2-13 (08:50:7.2)	Pago Pago (American Samoa), Hualien	-14.27/-170.72, 23.98/121.62	T	E. Taiwan-Ryukyu Islands (24.37/122.1)	4 [definite]	-2		0.2
37	1963-10-13	Hualien		E (7)	Kuril Islands			-1	
	1963-10-13	Hualien		E (7)	Kuril Islands				>0.1
38	1964-3-28	Hualien		E (8.6)	Alaska			-1	
	1964-3-28	'Coastal area' of China		E (8.4)	Alaska Bay				0.1-0.3
	1964-3-28	Hualien		E (8.4)	Alaska (61/-147.5)				

Event Number (#)	Reported observation/ highlights	References
27		Wang et al., 2005
28	Caused extensive damage.	Zhou and Adams, 1986
		Yang, 1987 (Iida, 1984; Zhou and Adams, 1986)
	Region-wide earthquakes were reported. 'Certainly or probably tsunamigenic' (Zhou and Adams, 1986)	Lee, 1988 (Zhou and Adams, 1986)
	Tongan: Earthquake, tidal wave ebbed and rose, boats sank. Shantou: a ship touched sea bottom. Some mistakenly recorded 1917-1-25.	Wang et al., 2005 (Xie et al., 1982-1988)
	'Tsunami of 7.5 m waveheight damaged 500 coastal houses, 50 ships and 250 deaths.' (Hai Tian, 1993)	Li et al., 2006 (Yang, 1987; Bao et al., 1991; Hai Tian, 1993)
	Shantou: Roaring of seawater; Fengshun: tides turning white colour like rice soup.	Wong and Chan, 2006
	Xiamen: a ship felt shock. Shantou: a ship touched bottom. Hong Kong, Xiamen & Shantou: tidal wave caused tremendous damage.	Mak and Chan, 2007 (The China Mail 15th February, 1918; The China Mail 17th February, 1918)
	Shantou: moderate tsunami, sea surged high.	NGDC database (Iida, 1984; Gu et al., 1989)
	NTL database (Iida, 1984)	
29	'Tsunami of 3.7 m at NE TW' (Yang et al., 1983), but no >5M earthquake on the day (Zheng and Yeh, 1989).	Li et al., 2006 (Yang et al., 1983; Zheng and Yeh, 1989)
30	Ma et al. (1994) mentioned a minor tsunami on the day, but data source is not presented.	Li et al., 2006 (Ma et al., 1994)
31	The shock off the coast of Yilan was felt in the whole island, the seashore of Fujian was also affected.	NGDC database (Gu et al., 1989)
		NTL database (Dunbar et al., 1992)
32		Iida et al., 1967
33		Yü, 1994
	Earthquake at east of Hualien, tsunami of tens of cm was detected at Hualien.	Li et al., 2006 (Hsu, 1981; Zheng and Yeh, 1989)
	Series of shocks, tsunami reported at Tofino (Canada) and Hualienkang.	NGDC database (Wigen, 1983; Iida, 1984)
34	Maximum amplitude in Hong Kong: 6 inches (15 cm) from crest to trough.	Cheng, 1965
35	Maximum amplitude in Hong Kong: about 1'11" (58 cm) above and below predicted tide.	Cheng, 1965
		Iida et al., 1967
		Yü, 1994
		Wang et al., 2005
	'A wooden bridge at Keelung was damaged by driftwood, sea water was turbid.' (Hsu, 1981)	Li et al., 2006 (United Daily, 1960; Central Daily, 1960; Hsu, 1964; Hsu, 1981)
36	Earthquake at north of Taiwan. Hualien: 20 cm.	Soloviev and Go, 1974 (Von Hake and Cloud, 1965; Iida et al., 1967)
	No death is recorded by Zheng and Yeh (1989) but 15 deaths are reported by Hatori (1994).	Li et al., 2006 (Soloviev and Go, 1974; Usami, 1977; Iida, 1984; Yang, 1987; Zheng and Yeh, 1989; Bao et al., 1991; Hatori, 1994)
	Hualien: seismic sea wave of 20 cm or 16 inch (=40 cm).	NGDC database (U.S. governmental departments, 1928-1983; Soloviev and Go, 1974; Iida, 1984; Lander et al., 1989)
		NTL database (Lander and Lockridge, 1989)
37		Yü, 1994
	'Over 10 cm of tsunami mark seen at Hualien.' (Hsu, 1981)	Li et al., 2006 (Hsu, 1964; Hsu, 1981)
38		Yü, 1994
		Wang et al., 2005
	15 cm tsunami marked at Hualien tide gauge station.	Li et al., 2006 (Hsu, 1964; Hsu, 1981)

Event Number (#)	Date of event (Time)	Tsunami Location	Lat. /Long.	Cause	Source location (Lat. /Long.)	Assigned validity in existing database	Tsu. Int. 1	Tsu. Int. 2	Max. water height (m)
39	1966-3-13	Ryukyu Islands, Kyushu Island (Japan)		E (7.5)	(24.2/122.6)				
	1966-3-13 (00:31)			E (7.5)	NE of Hualien (24.1/122.6)	4 [tsunami]		-1	
	1966-3-13	Eastern Taiwan							
	<u>1966-3-12 (16:31:21.8)</u>			E (7.6)	E Taiwan-Ryukyu Islands (22.5/122.3)	3 [probable]			0.1
	<u>1966-3-12 (16:31:19.7)</u>	Naha-Nagasaki (Japan)	26.2089/ 127.6786	T	E Taiwan-Ryukyu Islands (24.31/122.7)	4 [definite]	-3		0.1
40	1972-1-25	Eastern Taiwan		E	(23.6/122.3) or (22.5/122.3)				
	<u>1972-1-25 (02:06:23.3)</u>			E (7.5)	E Taiwan-Ryukyu Islands (22.5/122.3)	4 [definite]	-2.00		0.05
	<u>1972-1-25 (02:06:21.4)</u>	Malakal Harbour (Palau), Ishigakijima (Japan)	7.33/134.46, 24.3317/124.1558	T	Taitung (22.55/122.32)	4 [definite]	-3		0.1
41	<sup>9</sup> 1978-3-12	Lanyu (Taitung Taiwan)							
42	<sup>9</sup> 1978-7-23	Lanyu (Taitung Taiwan)		E (7.2)	(22.3/121.5)				
	<u>1978-7-23 (14:42:36.9)</u>			E (7.4)	Taiwan (22.282/121.512)	2 [questionable]	-1.00		0.05
	<u>1978-7-23 (14:42:36.9)</u>	Ishigaki Island (Japan)	24.3317/124.1558	T	Taiwan (22.28/121.51)	4 [definite]	-2		0.1
43	1986-11-15 (05:20)	Hualien, Yilan (Taiwan)		E (7.6)	NE sea of Hualien (24.1/121.7)				
	1986-11-15	Hualien		E (7.8)	Eastern Taiwan (23.9/121.8)				2 or 0.13
	<u>1986-11-14 (21:20:10.5)</u>			E (7.8)	Taiwan (23.901/121.574)	4 [definite]			0.3
	<u>1986-11-14 (21:20:10.6)</u>			T	E of Hualien (23.9/121.57)	4 [definite]	-2		0.2
44	1988-2-29	Xiamen (Fujian)		E (7.5)	N Pacific (55.1/167.5)				0.34
45	1988-6-24	Hong Kong		E (5.4)	Luzon Strait (18.61/121.01)				0.28
	<u>1988-6-24 (02:06:26.3)</u>	Hong Kong		E (5.4)	N of Luzon Island (18.606/121.013)	4 [definite]			1.03
46	<u>1990-12-13 (19:50:17.8)</u>			E (6.3)	Taiwan (23.722/121.627)	4 [definite]			0.04
	<u>1990-12-13 (19:50:17.9)</u>	Miyakokima, Ishigakijima (Japan)	24.3317/124.1558, 24.8042/125.2808	T	Taiwan (23.72/121.63)	4 [definite]			
47	1993-8-8	Hualien, Changkang (Eastern Taiwan)		E (8)	Near Guam (12.98/144.8)				0.29/ 0.27
48	1994-9-16	Dongshan (Fujian), Penghu (Taiwan)		E (6.4)	Southern Taiwan Strait (22.5/118.7)				0.18/ 0.38
	1994-9-16	Penghu, Dongshan, Shantou		E (7.3)	Taiwan Strait (22.53/118.71)				0.38/ 0.26/ 0.47
49	1996-2-17	Taiwan		E (8.1)	Eastern Indonesia (-0.891/136.952)				0.55/ 0.25
50	1996-9-6	S of Lanyu		E (7.07)	S of Lanyu (22/121.36)				0.06/ 0.08/ 0.22
51	<u>1998-5-4</u>	SE of Hualien		E (7)	SE of Hualien (23/122.72)				0.07
	<u>1998-5-3 (23:30:21.9)</u>	Miyakojima, Ishigakijima and Okinawa (Japan)		E (7.5)	SE of Taiwan (22.306/125.308)	4 [definite]			0.13
52	<u>1999-9-21</u>	Sun Moon Lake		E (7.3) or L	WSW of Sun Moon Lake (23.85/120.81)				0.21
	<u>1999-9-20 (17:47:18.5)</u>			T	Taiwan (23.77/120.98)	2 [questionable]	-5		

Event Number (#)	Reported observation/ highlights	References
39	Strong earthquake: 4 died on Taiwan, 2 died on Yonaguni Island. Very weak tsunami on Ryukyu Islands and Kyushu Island.	Soloviev and Go, 1974 (Tokunaga and Katsumata, 1971)
	Moderate tsunami, 7 deaths.	Yang, 1987 (Iida, 1984)
	'Moderated tsunami, drowned 7 people' (Bao et al., 1991). Hatori (1994) marks the date of event on 1966-3-12, while Usami (1977) and Yang (1987) recorded it as on 1966-3-13.	Li et al., 2006 (Usami, 1977; Yang, 1987; Zheng and Yeh, 1989; Bao et al., 1991; Hatori, 1994)
	Ryukyu Islands and western Kyushu Island: very weak tsunami.	NGDC database (Soloviev and Go, 1974; Iida, 1984) NTL database (Iida, 1984)
40	A minor tsunami recorded by Hatori (1994). Zheng and Yeh (1989) also reported an earthquake on this day. Tide gauge record can be checked to validate this tsunami.	Li et al., 2006 (Zheng and Yeh 1989; Hatori 1994)
	Weak tsunami after earthquake at Taiwan.	NGDC database (Iida, 1984; Soloviev et al., 1992)
		NTL database (Iida, 1984)
41		Li et al., 2006 (Lee, 1981; Hatori, 1994)
42	Minor tsunami occurred after an earthquake.	Li et al., 2006 (Lee, 1981; Zheng and Yeh, 1989; Hatori, 1994) NGDC database (U.S. governmental departments, 1928-1983; Iida, 1984; NEIC, 1971-present) NTL database (Iida, 1984)
43	10 ships in harbour sank, 6 injured.	Wang et al., 2005
	Waveheight of 13 cm recorded at Taitung. 16 deaths at Japan (Hatori, 1994). 2 m waveheight at Hualien (Hsu, 1994).	Li et al., 2006 (Chen and Wang, 1988; Hsu and Chen, 1994; Chen, 1994; Hatori, 1994)
		NGDC database (Japan Meteorological Agency, 2007)
		NTL database
44	Tsunami waves arrived Xiamen after an earthquake. The waves should have also affected TW.	Li et al., 2006 (Bao et al., 1991)
45	Tsunami height of 28 cm (above the normal tide level) recorded at Quarry Bay (Hong Kong).	Wong and Chan, 2006
	Earthquake in Luzon generated a tsunami reported at Quarry Bay and Tai Po Kau of Hong Kong.	NGDC database (Lander et al., 2003)
46		NGDC database (Lander et al., 2003; Japan Meteorological Agency, 2007)
		NTL database
47	Waveheights of 29 and 27 cm recorded at Hualien and Changkang respectively.	Li et al., 2006 (Chen, 1994)
48	Waveheight of 18 cm recorded at Dongshan.	Li et al., 2006
	Tsunami amplitudes of 38, 26 and 47 cm (wave height from crest to trough) recorded at Penghu, Dongshan, Shantou respectively.	Wong and Chan, 2006
49	Changkang: waveheight 55 cm (3 hrs 55 mins after earthquake); Keelung: waveheight 25 cm (4 hrs 1 min after earthquake).	Li et al., 2006 (Lin, 2006)
50	Waveheights of 6, 8 and 22cm recorded at Geng Fang, Su-ao and Changkang respectively.	Li et al., 2006 (Lin, 2006)
51	Waveheight of 7.4 cm detected at Lanyu, at 29 mins after the earthquake.	Li et al., 2006 (Lin, 2006)
	Small tsunami observed. 4 cm high waves on Miyako-jima, 3cm on Ishigaki-jima and Naha, Okinawa.	NGDC database (NEIC, 1971-present; International Tsunami Information Center, 1999; Lander et al., 2003)
52	Disastrous earthquake on Taiwan. As the epicenter is inland, tsunami is not a result of submarine fault rupture. It could be generated by submarine landslide at Eastern Taiwan.	Li et al., 2006 (Lin, 2006)
		NTL database (NGDC database)

Event Number (#)	Date of event (Time)	Tsunami Location	Lat. /Long.	Cause	Source location (Lat. /Long.)	Assigned validity in existing database	Tsu. Int. 1	Tsu. Int. 2	Max. water height (m)
53	<u>1999-11-1 (17:53:0.1)</u>			T	NE of Taiwan (23.38/121.52)	2 [questionable]	-5		
54	1999-11-27	Taipei County, Yilan		E (7.1)	Vanuatu (16.452/168.183)				0.38
55	<u>2001-12-18</u>	Hualien		E (6.7)	E of Hualien (23.86/122.65)				0.14/ 0.16/ 0.1
	<u>2001-12-18 (04:02:58.2)</u>			E (6.8)	Taiwan (23.954/122.734)	4 [definite]			0.12
56	<u>2002-3-31</u>	Hualien		E (6.8)	E of Hualien (24.13/122.19)				0.19-0.27
	<u>2002-3-31 (06:52:50.4)</u>			E (7.1)	Taiwan (24.279/122.179)	4 [definite]			0.2
	<u>2002-3-31 (06:52:50.5)</u>	Iriomote, Ishigaki, Yonaguni (Japan)	24.3833/123.75, 24.3317/124.1558 24.45/122.95	T	NW of Taiwan (24.28/122.18)	4 [definite]	-3		0.2
57	2002-12-10	Changkang (Taitung)		E (6.42)	E of Changkang (23.1/121.34)				0.59
58	<u>2006-12-26 (12:26:21.4)</u>	China, Hong Kong		E (7)	Taiwan (21.799/120.547)	4 [definite]			0.07

Event Number (#)	Reported observation/ highlights	References
53		NTL database (NGDC database)
54	Waveheights of 9-38 cm recorded at three coastal districts of Taipei county, and 11 cm recorded at Su-ao (Yilan).	Li et al., 2006 (Lin, 2006)
55	Waveheights of 14.2, 16.2 and 10 cm recorded at Geng Fang, Su-ao and Hoping Harbour 20 cm on Iriomote-jima, 13 cm on Yonaguni-jima, 11 cm at Uehara and 5 cm on Ishigaki-jima.	Li et al., 2006 (Lin, 2006) NGDC database (NEIC, 1971-present)
56	Waveheights of 18.5-27.3 cm detected in 5 stations at Eastern Taiwan.	Li et al. 2006 (Lin, 2006) NGDC database (Lander et al., 2003)  NTL database
57	Waveheights of 9.6-59.3 cm recorded in 9 stations at Eastern Taiwan.	Li et al., 2006 (Lin, 2006)
58	5-7 cm above normal tide level at China and Hong Kong SAR.	NGDC database (Yi et al., 2007)

Remarks:

1. A '~' in 'date of event' represents 'to'. For example, 1661-1~2 means 'January to February of year 1661'.
2. Underlined dates and times are presented in Greenwich Mean Time (GMT), others are in local time (GMT+8).
3. Cause- E: Earthquake (Magnitude in bracket), T: Tectonic, L: Landslide, V: Volcanic, M: Meteorological, U: Unknown.
4. Validity score or comment presented here are directly adapted from source databases. Notations for assigned scores or comments are provided in square brackets.
5. Tsu. Int. 1: Tsunami intensity based on scale of Soloviev & Go (1974); Tsu. Int. 2: Tsunami intensity in Imamura-Iida scale.
6. Max. water level: The maximum water height above sea level (NGDC database), or the maximum observed or measured wave height (NTL database). Values from tide gauges measurements (since the use of tide gauges in 1950s) were rounded to the nearest cm.
7. Information of each entry came from 1 of the 15 source databases, which is listed under 'References'. Publications cited in source databases (secondary sources) for the entry are in brackets. Citations in angle brackets are Chinese or Japanese references, list of Chinese and Japanese references are at the end of reference list.
8. Zhou & Adams (1986) did not record this 1781-5-22 (#14) event.
9. Li et al. (2006) tabulated all discussed events, but dates of tsunamis #20 (1866-12-16), #22 (1867-12-18) and #42 (1978-7-23) as discussed in-text were wrongly listed as 1866-6-11, 1867-6-11 and 1978-3-12 respectively in the table.
10. Kansuh (or 'Kanchau') cannot be located for #23.

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