

徐家匯
地震紀錄報告

一九四八年十月至一九五〇年十二月

中國科學院印行

一九五一年九月

ZI-KA-WEI
SEISMOGRAPHIC REPORT

October, 1948 to December, 1950.

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地震紀錄報告

上海徐家匯

一九四八年十月至一九五〇年十二月

SEISMOGRAPHIC REPORT

Zi-Ka-Wei Seismic Station

Shanghai, China.

Oct., 1948 - Dec., 1950.

位置：

Location λ : 121° 25' 48" E, ϕ : 31° 11' 32" N, h: 7 m.

儀器：

Instruments

- I. 加利清式垂直向地震儀一架。
One Galitzin Vertical Seismograph.
- II. 維開式 1,200 公斤水平式地震儀一架。
One Wiechert 1,200-kg. Horizontal Seismograph.
- III. 維開式 80 公斤垂直式地震儀一架。
One Wiechert 80-kg. Vertical Seismograph.

震儀常數：

Constants

I			
T°	T_1	μ^2	K
sec.	sec.		
13	13	+0.01	360

1948年1月1日定。
due Jan. 1, 1948.

II				
Component	T_0	V_0	ϵ_0	r/T_0^2
N	6.5	150	3.0	0.03
E	6.5	150	3.0	0.03

III				
Z				
	6	40	2.0	0.002

簡寫說明：

Abbreviations

- | | |
|-----------------|--------------------------------------------|
| G = 加利清式紀錄 | Record from Galitzin-seismograph. |
| W = 維開式紀錄 | Record from Wiechert. |
| T = 地面震動週期 | Period of earth movement, in second. |
| A = 未核算之雙震幅 | Unreduced double amplitude, in millimeter. |
| Δ = 震中距離 | Distance from epicenter, in degree. |

特 別 聲 明

今春我們接管徐家匯觀象台並將其地震觀測工作恢復至應有標準。此報告包括一九四八年十月至一九五〇年十二月之地震紀錄，是其積存未印者。在此期間加利清式地震儀甚少使用。所有紀錄均甚模糊，時間亦未校準。雖盡力爲之整理，仍有不少震相時間不甚可靠。爲不使其紀錄中斷，故仍予以刊印，以供參考。

SPECIAL NOTICE

Since the beginning of this year, we are in charge of this observatory, and have renewed its seismic observation up to the standard as it could be. The present report contains the seismographic data from Oct. 1948 to Dec. 1950. During this period its Galitzin seismographs were not in operation except very occasionally. Records were worn out and time has not been corrected. We have done our best to make them right, however, there are still many phases doubtful in time. We publish them simply for the continuation of the publication and for general reference.

S. P. Lee.

編號	日期	震儀	分向	震相	到達時刻				備註
No.	Date	Instr.	Comp.	Phase	G.M.T.	T	A	△	Remarks
					h. m. s.	sec.	mm.	deg.	

一九四八年 1948

十月 OCTOBER

6697	23	W	N	(e)	04	48	32		
			E	(S)		50	24		
			E	iL		50	44		

十二月 DECEMBER

6698	6	W	E	(e)	14	13	10		
6699	14	W	E	(e)	16	10	16		
			N	i(S)		11	42		
			E	i		11	50		
6700	22	W	E	e	11	00	20		

一九四九年 1949

一月 JANUARY

6701	4	W	N	eP	02	22	00		Nanking: eP 02 ^h 23 ^m 42 ^s
				S		23	30		
			E	M				3	21
			N	M				3	10
6702	5	W		e	03	15	16		
				iP		15	20		
			E	S		15	48		
			E	i		16	08		
			E	M				2	12
			N	M				2	35
6703	9	W	N	e	16	37	20		
				S		39	04		
				L		39	32		
			E	M				2	11
			N	M				3	6

編號 No.	日期 Date	震儀 Instr.	分向 Comp.	震相 Phase	到達時刻 G.M.T.			T sec.	A mm.	△ deg.	備註 Remarks
					h.	m.	s.				
6704	9	W	N	e	17	57	22				
				i		59	12				
				M				2	7		
				M				3	3		
6705	14	W		P	02	18	28				
				S		18	52				
				M				2	131		
				M				2	46		
6706	19	W	N	e	13	40	20				
				i		42	32				
				M				3	2		
				M				3	4		
6707	19	W	N	eP	15	01	56				
				eS		03	28				
				i		04	07				
				M				2	38		
				M				2	18		
6708	20	W	E	e	13	31	04				
				M				2	5		

二 月 FEBRUARY

6709	1	W	E	i	16	10	52				Nanking: eP 17 ^h 12 ^m 42 ^s
				M				2	7		S 13 25

三 月 MARCH

6710	26	W		e	11	52	20				微. Very small.
6711	27	W	N	e(P)	06	40	00				
				i		40	14				
				(iS)		45	00				
				M				2	4		
			N	M				3?	8		

編號	日期	震儀	分向	震相	到達時刻			T A Δ			備註
No.	Date	Instr.	Comp.	Phase	G.M.T.			sec. mm. deg.			Remarks
					h.	m.	s.	sec.	mm.	deg.	

四 月 A P R I L

6712	5	W	E	iP	09	29	58					
				N	iS		32	20				
				E	M				3	7		
				N	M				2	7		
6713	28	G	Z	e	01	51	32				微.	
				M				18	4			Very small.
6714	28	G	Z	e	10	34	16				微.	
				M				16	7			Very small.
6715	30	G	Z	iP	01	28	50				深源. Deep focus.	
				i(S)		33	26					Nanking: eP 02 ^h 29 ^m 05 ^s
				M				14	82			S 33 48

五 月 M A Y

6716	3	G	Z	iP	06	02	44	7	17		深源.	
				(S)		08	30	8	7			Deep focus.
6717	6	G	Z	P?	14	36	00				記時器發生障礙.	
				S?		40	30					Time-mark failed.
				M				11	57			
6718	9	G	Z	iP	13	43	20					
				(S)		48	46					
				L		51.7						
				M				11	70			
6719	17	G	Z	eP	02	36	06				弱.	
				e(S)		41	07					Small.

六 月 J U N E

6720	11	W		eP?	14	17	26				Nanking: P 14 ^h 16 ^m 16 ^s	
				(S)?		17	59					S 17 47
				E	M			2	10			
6721	14	G	Z	eP	00	28	40					

編號 No.	日期 Date	震儀 Instr.	分向 Comp.	震相 Phase	到達時刻 G.M.T.			T	A	△	備註 Remarks
					h.	m.	s.	sec.	mm.	deg.	
				S	32	41					
				eL	33	24					
				M				13	28		
6722	15	G	Z	iP	09	47	00	4	4		
				S	50	35		10	4		
				L	51	57					
				M				14	12		
6723	15	G	Z	(e)	10	11	02				微.
				M				10	5		Very small.
6724	16	G	Z	(eL)	06	55	16				微.
				M				9	8		Very small.
6725	24	G	Z	iP	22	46	24	8	7		
				i	48	00					
				eS	52	32					
				M				11	21		
6726	26	G	Z	P	08	47	40				
				i	48	58					
				eS	53	00					
				L	55	08					
				M				26	15		
七 月 J U L Y											
6727	2	G	Z	P	11	40	42				微.
				e(S)	44	12					Very small.
6728	2	G	Z	iP	20	03	03			23	Nanking: e 22 ^h 03 ^m 46 ^s
				PP	03	32					
				PPP	03	44					
				iS	07	08					
				SS	07	50					
				(L)	09.5						
				M ₁				19	166?		
				M ₂				18	66		
6729	4	G	Z	e	01	47	50				
				S	49	20					

編號 No.	日期 Date	震儀 Instr.	分向 Comp.	震相 Phase	到達時刻 G.M.T.	T sec.	A mm.	△ deg.	備註 Remarks
				L	49 45				
				M		12	8		
6730	4	G	Z	(e)	03 58 24				
6731	10	G	Z	iP	15 26 50				
				(S)	36 16				
				SSS	43 25				
				i(L)	45 16				
				M		15	31		
				[iP]	15 57 03				另一地震?
				(eS)	16 06 18				Of another shock?
				M		13	92		
				[iP]	16 31 54				另一地震?
				M		14	90		Of another shock?
6732	11	G	Z	+iP	16 13 11	7	29		
				iS	15 10				
				iL	15 29				
				M		12	77		
6733	14	G	Z	eP	20 43 16				
				e	52 30				
				M		16	18		
八 月 AUGUST									
6734	22	W	N	eP	04 13 00				
				(eS)	22 35				
十 月 OCTOBER									
6735	19	W	N	e(P)	21 09 00				
				e(S)	15 50				
十 一 月 NOVEMBER									
6736	11	W	N	(e)	15 46 00				
				e(S)	47 53				
			E	i	48 45				

編號 No.	日期 Date	震儀 Instr.	分向 Comp.	震相 Phase	到達時刻 G.M.T. h. m. s.	T sec.	A mm.	△ deg.	備註 Remarks
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十二月 DECEMBER

6737	25	W	N	(eP)	23	21	22		
			N	(S)		24	40		
6738	29	W		eP	03	07	10		
				(S)		10	35		
				L		12	10		
			N	M				15	10

一九五〇年 1950

一月 JANUARY

6739	3	W	N	e	03	55	00		Nanking: P 02 ^h 55 ^m 30 ^s S 58 25
			N	(e)		57	58		
6740	25	W	N	e	12	01	00		
			N	(e)		02	56		
			N	i		03	05		
			E	M				3	2
			N	M				3	4

二月 FEBRUARY

6741	2	W	N	P	23	38	32		
			N	PP		39	06		
			N	(S)		42	23		
				L		43	12		
			E	M				4	36?
			N	M				4	90?
6742	3	W	N	eP	02	56	50		
				S		03	00	40	
				L		02.2			
			E	M				3	15
			N	M				4	41
			Z	M				?	12