

Pei-An-Ho, W. of Peiping,
China

φ : 40°3'55" N, λ : 116°5'44" E

h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Jan-June '37
Ref 3251
Vilip.

Weichert	V	T ₀	ξ	r/T_0^2
Z				
N				
E	104,4	5,0	3,2	,012
Jan. 16	100,7	5,0	3,9	,011

Oct. 26,
1936

Galitzin-Wilip	T ₁	T	μ^2	$kA/\pi l$
Z	In adjusting			
N	11,2	12,0	0,04	767
E	11,4	11,7	0,00	777

January, 1937

No.	Date	Char.	Phase	G. M. T. h m s	T _p s	A μ	Δ km	Remark
2058	5, I	Ir	iP iS SSEN LEN F	4 54 48 5 01 25 04 32 07, 0 6 07 --	6 7 8		44,9	dilatation? In minute eclipse. Deep? Azi.: SE (Caroline Islands.)
2059		Ir	iP iEZ S? F	11 13 30 15 47 16 45 12 10 --	7		17,3	compression Deep? Northern Riu-Kiu Is.
2060			(e)Z (e)EN M F	21 09 06 20 17,3 ? --	13			Small & indefinite
2061		IIIr	iP iS LEN MZ MEN faint & out of limit. F	21 41 43 44 47 45,8 49 37 0 05 --	10 9 16	65mm.	16,3	compression Epc. 3 32°N, 133,5° E
2062	7	I	(e)EZ M F	4 32 58 40,6 5 06 --				No minute marks; time inexact.
2063		IIr	iP (PP)EZ SEZ SN L MN F	6 16 31 50 20 13 15 21,2 25 17 7 59 --	5 11		20,5	compression, No minute marks; time inexact. There are two small aftershocks superposed in the coda. Azi.: NE
2064		IIIr	iP iPP?EN iSEN LEN M out of limit both Gali. & Wiechert. F	13 24 11 24 27 27 28,4 17 26 --			17,6	dilatation, No min. marks; time inexact. After iP from Wiechert. Epc. 2. 33°N, 96°E. (35 N, 98°E U.S.G.G.S.)
2065		Ir	eP SN LEN M faint on horizontal components. F	17 48 49 52 01 52,7 18 38 --			17,4	In min., eclipse. After shock of No. 2064.
2066	10		(e)EN iN F	22 40 01 17 46 --				May be a small local shock.

The Chiufeng Seismological Bulletin (Cont.)

January, 1937

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No.	Date	Char.	Phase	G.M.T.	T _p	A _{mu}	δ	Remark
2067	11, I	I	(e) MEZ F	1 34,1 43,2 2 00 --	12			Initial uncertain
2068	12	Ir	(e)N eS?N LEN MEN F	0 25 26 27 49 28 35 30,2 46 --	8		12,8	Initial uncertain.
2069	15	Or	P PcS?Z iS _{EN} eI _E F	5 13 23 24 18 25 28 22 59 --			39,6	dilatation Deep?
2070	20	Ir	P S LE ME F	0 07 26 11 08 12 13 15 01 45 --	14		20,4	compression Azi.: NE
2071	22	Ou	P iS _{EN} ScSN MN F	4 36 15 43 22 46 03 51 36 5 33 --	20		49,6	compression, In minute eclipse.
2072	23	Iu	PNZ iP iZ iSE iSNE iL MZ ME MN F	11 05 30 36 06 13 13 22 27 19,6 25 30 38 27 11 13 54 --	6 6 14 26 24 20	8	56,9	compression (Marshall Is.?)
2073	24	IIv	iPNZ iZ S(L)EN MN F	16 20 54 22 03 23 23 12 53 --			57mm.	dilatation M, on Galitzin faint.
2074	25	IIIu	iP PcP?E iS iScSN iSSN iL MN ME MZ F	6 44 51 45 29 53 36 54 55 57 41 7 01,1 07 29 14 10 15 10 9 15 --	8 21 18 18		55,6	compression Epc.: 5°S, 165°E.
2075	26	Ou	P?E i S?E F	7 15 14 18 53 23 13 8 14 --			58,0	N & Z-component inevident.



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January, 1937

No.	Date	Char.	Phase	G.M.T.	T _p	A _{mu}	o	Remark
2076	27, I	Or	eP eS M F	0 34 59 38 28 44, 3 1 03 --	13		17, 9	
2077		Or	ePz eP ^{EN} e(S)E MZ F	4 02 05 08 10 31 19 47 35 --	18			
2078		Or	eP eS ^{EN?} MZ F	5 48 50 57 29 6 05 35 29 --			64, 9	
2079		O	eL M F	7 11, 9 13, 6 24 --				A train of surface waves.
2080	28	Or	eP e(S) eLEN M F	14 54 53 58 29 15 00, 4 03, 6 32 --	13			Azi.: SW
2081	29	Ir	ePN P eS eI M F	14 11 11 13 15 30 16, 1 19, 3 50 --	12		24, 8	
2082		Ir	iP S eL M F	17 31 41 36 46 39, 7 44, 8 18 33 --	6		31, 0	dilatation In the region of Marianas Is.
2083		Ir	P SE MNZ F	21 22 18 25 37 30, 2 52 --	12		18, 1	compression
2084	30	Ir	P S eL M F	1 14 30 18 06 19, 5 23, 0 48 --	13		19, 9	dilatation
2085		Ir	GNZ PPEZ (S) eLEN M F	6 31 25 32 57 37 22 40, 00a. 49, 8 7 36 --	15		38, 9	Initial uncertain.

S. P. Ico, Superintendent

February 9, 1937



Pei-An-Ho, W. of Peiping,
China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz.,
80 kg. vert.
Weichert;
Galitzin-Wilip.

Weichert	V	T ₀	ε	γ/T ₀ ²	Galitzin-Wilip	T ₁	T	μ ²	kA/πl	
Z	--	--	--	--	Feb. 17, '37	Z	11,1	11,2	0,00	499
N	02,5	5,0	3,4	,011	Feb. 13, '37	N	11,1	11,1	0,03	821
E	00,6	5,0	3,6	,012	Mar. 8, '37	E	11,3	11,1	0,00	891

February, 1937 4

No.	Date	Char.	Phase	G. M. T. h m s	Tp s	A μ	Δ km	Remark
2086	1, II	Iu	P S ₁ i(PS) SSN eL ME MNZ F	9 25 05 30 46 31 12 34 29 37,0 42 22 44,5 10 21 --			55,0	compression Azi.: S3
2087	2	Ir	iP iSE SN eLEN M F	16 16 21 20 32 34 21,6 25,9 44 --	6 17		24,8	compression P & S group com- paratively large.
2088	8	Ir	ePEN eN MNZ F	8 44 40 51 43 9 07,9 29 --	15			Initial uncertain.
2089	12	Iu	ePNZ i iNZ PPNZ SE iN F overlapped by	5 02 55 03 09 42 04 43 09 30 45 next quake.			44,6	Deep focus?
2090		IIIr	eP iS L MN MZ ME F	5 37 02 40 14 40,9 41 53 43 20 23 6 03 --	8 9	37mm. 37 "	17,4	
2091		Ir	eP?N e(S)N MEN F	19 29 47 33 05 40 42 20 06 --	10			Masked by micro.
2092	13	Or	(e) eL MZ F	5 15 43 21,7 25 17 41 --	10			
2093		Ir	(e)Z SNZ M F	11 01 49 05 54 08,1 24 --			23,1	



The Chiufeng Seismological Bulletin (Cont.)

February, 1937

No.	Date	Char.	Phase	G.M.T.	T _p	A _{mm}	o	Remark
2094	14, II	I	eL MN F	20 02,1 57 13 --				A train of surface waves.
2095	17	Ir	iP iN S I ME MZ MN F	9 20 50 21 30 25 14 26,5 30 49 31 19 41 10 42 --	18 15 15	13 12 11	25,4	compression Ecc.: 45°N, 151°E
2096	18		eP?N e3Z i MN F	10 46 37 40 45 47 04 51 --				Small local.
2097	20	Ir	P iZ iS M F	6 01 07 29 05 31 11,3 48 --	16		25,4	compression P & S group comparatively large.
2098	21	IIIr	iP eS LZ MN ME MZ F	7 08 02 12 28 14 32 13 05 14 15 ? ? --	17 19 18	7 11 17	25,6	compression, Ecc.: 44°N, 151°E After iP from Wiechert, Galitzin out of limit.
2099		Ir	iP S?EN M F	15 10 45 15 26 20,5 45 --	5		27,5	compression. In minute eclipse. do
2100		Or	eP SEN MZ F	17 33 44 38 21 44 23 18 15 --	16		27,0	In minute eclipse. do
2101		Or	eP e(S) MEZ F	18 45 44 20 14 23,4 19 25 --	17		26,1	In minute eclipse. do
2102		Ir	iP PPN S eL M F	22 34 22 35 00 33 52 41,3 45,6 0 17 --	6 17		26,1	compression do
2103	22	Ir	iP SEN M F	0 25 04 29 30 36, 1 13 --	4 16		25,6	compression do

The Chiufeng Seismological Bulletin (Cont.)

February, 1937

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No.	Date	Char.	Phase	G.M.T.	T _p	A _{mm}	o	Remark
2104	22, II	Ir	iP	2 59 20	6		25,9	compression do
			SEN	3 03 48				
			SZ	53				
			MZ	10 05	16			
			M ₃	19	16	15		
			MN	52	16	11		
		F	4 ? --					
2105		Ir	iP	4 41 17	6			compression do
			PPN	51				
			eLEN	47,9				
			M ₃	51 48	16	12		
			MZ	52	15			
			F	5 48 --				
2106			e(P)NZ	9 40 59			27,0	Small shock. do
			eSEN	45 36				
			F	10 08 --				
2107		Ir	iP	13 29 25	6		26,1	compression do
			i	38				
			S	33 55				
			eL	36,1				
			MN	39 51	16	13		
			M ₂	40 05	17	15		
			M ₃	10	17	14		
			F	15 22 --				
2108			eP ₂₂	19 30 31			27,2	Small shock. do
			S ₃	35 10				
			F	20 07 --				
2109	23	Ir	eP	0 13 26			22,2	
			S	17 54				
			M ₂	20 37	8	11		
			MN	37	8	12		
			MZ	23 10	8			
			F overlapped by next quake.					
2110		IIIr	iP	0 53 38	6		25,8	compression After shock of No. 2098.
			iS	58 05				
			L	1 00,2				
			M ₁₂	03 25	19	39		
			MN	04 07	14	51		
			M ₂₂	07 16	14	42		
			M ₃	22	16	44		
			F	3 09 --				
2111		Ir	iP	13 26 42			26,2	compression do
			S	14 01 13				
			eL	03,3				
			M	07,4	16			
			F	15 20 --				
2112	25	Or	P	0 45 13			25,7	compression do
			SZ	49 40				
			SEN	44				
			M	55,8	15			
			F	1 26 --				



The Chiufeng Seismological Bulletin (Cont.)

February, 1937

No.	Date	Char.	Phase	G.M.T.	T _p	A _{mm}	o	Remark
2113	25, II		eL M F	20 17, 7 23, 8 38 --	14			Small A train of sur- face waves.
2114	26	Ir	iP S M F	4 19 55 24 22 31, 0 5 38 --	15		25, 7	compression After shock of No. 2093.
2115			eP ₂₂ e F	18 19 47 24 14 49 --				Small shock.
2116		Or	eP ₂₂ S eI M F	23 23 49 28 07 30, 3 34, 1 0 08 --	16		24, 6	
	27							
2117		Ir	P ₂₂ i ₃ S ₂₂ eL M ₁ M ₂ M ₃ F	1 20 06 44 23 52 25, 4 29 37 58 30 11 2 48 --	6 14 13 13	13 11 14	20, 9	compression
2118		Ir	iP iS _N S ₂₂ L M ₃ M ₂ M ₁ F	14 45 13 47 58 48 00 49, 4 50 31 51 20 29 15 42 --	6 10 12 10 7	17 14 14	14, 4	compression Ecc.: Near of Oita, Kiushu Japan.

S. P. Lee, Superintendent

L. H. Chia, Assistant

March 13, 1937

Pei-An-Ho, W. of Peiping,
 China

ϕ : 40°3'55" N, λ : 116°5'44" E
 h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
 of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz.,
 80 kg. vert.
 Weichert;
 Galitzin-Wilip.

Weichert					Galitzin-Wilip					
	V	T ₀	ξ	r/T_0^2		T ₁	T	μ^2	kA/ πl	
Z	--	--	--	--	Feb. 17, '37	Z	11,1	11,2	0,00	499
N	100,6	5,1	3,4	,010	Feb. 13, '37	N	11,1	11,1	0,03	821
Mar. 15 _E	101,5	5,0	3,5	,011	Mar. 8, '37	E	11,3	11,1	0,00	891

March, 1937

8

No.	Date	Char.	Phase	G. M. T. h m s	T _p s	A μ	$\frac{\Delta}{\text{cm}}$	Remark
2119	2, III		(e)Z MNZ F	20 23 40 33,4 59 --	12			Small & indefinite.
2120	5		eL M F	11 36,2 38,1 46 --	7			A train of surface waves.
2121	6		e(P)Z eE M F	1 32 37 36 24 41,7 2 03 --	12			Small shock.
2122	9	Or	eP M F	2 57 53 3 05,7 ? --	14			
2123			(e) eN MEZ F	8 22 40 25 33 27,6 36 --	10			Small & indefinite.
2124		Iu	P'Z PP PKS?EN iZ i eLEN ME MN MZ F	15 59 30 16 01 31 04 44 59 06 19 38,5 17 00 44 01 34 40 18 22 --	11 8 18 18 18	10	130,0	dilatation Epc.: 9°N, 84°W (U.S.C.G.S.)
2125		Ir	e(P)Z SZ iSEN iEN ME F	20 24 30 28 47 54 31 53 33 45 58 --	10	4	24,5	
2126	10		(e) eE eN eLEN MZ F	5 05 10 12 57 13 08 24,3 33 01 6 04 --	18			Small
2127	12	Iu	e(P)Z iN S?EN	9 32 37 39 28 41 54			71,1	Masked by microsc



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No.	Date	Char.	Phase	G.M.T.	T _p	Amu	o	Remark
2127	12, III (cont'd)		eL M F	9 45,1 52,8 10 43 --	12			
2128	14	Iu	P'Z P'N iNZ PPNZ (SKS)?Z PPPZ SKKSZ Pc...KS?Z iN SKSPN iN SSN eLNZ MIZ (M)Z F	12 15 49 54 16 17 20 26 21 53 24 11 27 02 28 38 29 05 31 03 34 25 40 56 13 12,8 17 08 41 16 14 26 --	8 27 25		164,0	dilatation Epc.: 25°S, 70°W (U.S.C.G.S.)
2129	15	Iu	PNZ ePPNZ S?EN i ME MNZ F	6 04 01 05 59 10 52 15 06 23 28 27,0 7 00 --	6 16 16		47,1	compression
2130	16	Ir	iP pPNZ i(PP)E iS isSZ L F	15 50 41 51 01 04 54 44 55 20 57,1 17 12 --	 4		22,9	dilatation Azi.: SE Deep focus: H: 100 km. ca.
2131		Ir	ePEN iEN iN SEN i F	22 38 36 56 39 14 44 21 48 30 23 31 --			37,0	Initial small. Deep focus type.
2132	17	I	eL M F	9 33,6 35,0 48 --	8			A train of sur- face waves.
2133			eP'NZ eN eZ e(PP)N eN MZ F	14 21 04 22 19 27 26 09 28 04 15 22 11 46 --	 17			Small A very distant quake.
2134	19	Ou	iPZ iNZ iZ	18 31 55 36 51 43 16	6			compression A very distant quake.

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March, 1937

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No.	Date	Char.	Phase	G.M.T.	T_p	Δmu	$\Delta \sigma$	Remark
2134	19, III (cont'd)		i(S)EN Mz F	18 44 01 19 41 26 20 20 --	16			
2135	21	Ir	P i ipP SN iS iss F	16 17 04 16 21 13 16 45 17 12 --	3		23,5	compression Deep focus: H: 100 km. ca. Epc.: 23°N, 97°E
2136			PNZ iz iNZ iNZ F	18 15 44 16 25 46 17 23 52 --	6			compression Small, near shock.
2137		Ir	iP i(PP)EZ S L M F	19 33 52 34 09 37 31 39, 2 41, 2 20 46 --	18		20,2	compression Epc.: 45,5°N, 143°E
2138	22	Ir	eP i eSZ M F	10 02 58 03 09 06 14 10, 7 31 --	13		17,6	Masked by micro.
2139	23		eP'z PPZ F	1 04 18 08 05 2 55 --			150 ca.	Very small
2140	30	Ir	e(P)N eL ME MNZ F	11 40 46 45, 2 46 02 47, 5 12 20 --	7 9			
2141		Iu	eP SKSEN iS F	15 00 01 10 31 50 16 07 --			88,0	
2142	31	Ir	eP eSE M F	10 41 26 45 50 51, 6 11 ? --	10		25,3	

S. P. Lee, Superintendent
Chia Lien Heng, Assistant

April 12, 1937

Pei-An-Ho, W. of Peiping,
 China

ϕ : 40°3'55" N, λ : 116°5'44" E

h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
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Instruments: 200 kg. horiz.,
 80 kg. vert.
 Weichert;
 Galitzin-Wilip.

Weichert					Galitzin-Wilip					
V	T ₀	ξ	r/T_0^2		T ₁	T	μ^2	kA/ πl		
Z	--	--	--	--	Feb. 17, '37	Z	11,1	11,2	0,00	490
N	102,6	5,1	3,5	,011	Feb. 18, '37	N	11,1	11,1	0,00	821
E	103,1	5,0	3,4	,009	Mar. 8, '37	E	11,3	11,1	0,03	891
April, 1937					11					

No.	Date	Char.	Phase	G. M. T. h m s	T _p s	A μ	Δ km	Remark
2143	1, IV	Iu	iP _{EN} SKS _{EN} iS _N F	17 33 14 43 42 55 18 58 --	5		86,2	Z-component lost.
2144	3	Ou	eP?Z e(S) _N MNZ F	4 01 49 09 37 23,3 5 04 --	20		56,1	
2145		Ir	eP S _{EN} iZ eL ME MZ MN F	11 24 29 27 47 58 28,7 31 55 32 14 37 12 25 --	11 11	6 8	18,0	
2146		Ir	iP iZ S _{EN} iE eL? F	21 15 58 16 18 20 19 41 23,5 22 12 --			25,0	compression Deep focus type. Azi.: SE
2147	5	IIIr	iP PPE PoPZ iN iSz iL _{EN} MN ME MZ F	7 04 40 06 27 40 10 21 11 03 14,3 17 59 18 03 21 14 10 56 --	6 10	53 81 59	42,8	compression Epc.: 1,5°N, 136,5°E
2148	6	Ou	eP?EN ePPN S _{EN} L _{EN} ME MN F	23 46 49 48 50 53 58 57 32 0 02 41 03 28 44 --	14 18		49,8	
2149	7	I	(e) eL?EN MN F	18 47 09 56,7 19 00 24 40 --	17			Initial uncertain.

The Chiufeng Seismological Bulletin (Cont.)

April, 1937

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No.	Date	Char.	Phase	G.M.T.	T _p	A _{mu}	o	Remark
2150	9, IV	Ir	eP SE eLEN ME MNZ F	14 09 01 12 15 13, 7 15 44 17, 6 53 --	11? 11	4	17,5	
2151	11	Or	eP eL MNZ F	15 59 56 16 05, 2 07, 5 31 --	13			In hour mark.
2152		Or	ePNZ e(S) MN F	20 47 02 50 20 54 24 21 20 --	10		18,0	
2153	14		eP SEN F	14 03 00 05 44 33 --			14,7	Small
2154			eP SEN F	15 09 02 12 16 33 --			17,6	Small
2155		Ir	eP?S S(L)EN ME MN MZ F	21 19 47 22 59 24 32 32 25 22 22 03 --	11 11 11	4 6		
2156	15	Or	ePEZ S iE M F	12 45(44) 49 49 52 54 34 13 15 --	8 13		23,1	In minute eclipse
2157			ePNZ eN ME F	20 20 12 27 02 40 32 58 --	16			Small
2158	16	IIIu	P PcPEN iPP iS iN F	3 13 41 51 16 40 23 24 42 7 03 --			75,5	dilatation Deep focus type. Epc.: 10,5°S, 177°E Maximum movement.
2159	21	Or	ePEZ eSN eSE MZ F	0 38 51 43 11 15 48 33 1 04 --			24,9	
2160			e iEN iZ F	22 08 23 37 09 41 46 --	4 6			Very small

The Chiufeng Seismological Bulletin (Cont.)

April, 1937

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No.	Date	Char.	Phase	G.M.T.	T _p	Δ _{mu}	o	Remark
2161	24, IV		iPEZ (S)E F	5 10 41 20 48 58 ---			79,9	dilatation small
2162	26	I	(e) eL MNZ F	7 15 52 17,4 19 38 44 --	10			
2163	28		(e)Z eEZ MNZ F	14 04 00 11 28 28,6 54 --				Very small
2164	29		eP ePPN i(S)N F overlapped by next quake.	18 23 47 26 42 33 57			80,5	Very small
2165		IIu	iP (PcP)Z PPEN S PSEN L M1E MN M2 M2E F overlapped by next quake.	19 02 02 03 20 04 00 09 36 48 15,1 22 50 25 55 28 51 56	8 21 21 17 18		54.0	compression Epc.: 6°S, 85°E
2166		IIr	iP i iS F	20 22 26 24,0 25 18 22 57 --			15,5	dilatation Deep focus type. Epc.: 46,5°N, 136°E
2167	30	I	(e)EZ iE MN F overlapped by next quake.	19 39, - 44 41 50 11	15			
2168		0	MN F	20 20 33 45 ---	17			

S. P. Lee, Superintendent
L. H. Chia, Assistant

May 8, 1937



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h: 115m; Foundation: Granite

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80 kg. vert.
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Galitzin-Wilip.

Weichert					Galitzin-Wilip					
V	T ₀	ξ	r/T ₀ ²		T ₁	T	μ ²	k _A /πl		
Z	--	--	--	--	Feb. 17, '37	Z	11,1	11,2	0,00	492
N	103,5	5,1	3,3	,012	Feb. 13, '37	N	11,1	11,1	0,00	821
May 17 E	100,8	5,0	3,8	,011	Mar. 8, '37	E	11,3	11,1	0,03	891

May, 1937

14

No.	Date	Char.	Phase	G. M. T. h m s	T _p s	A μ	Δ km	Remark
2169	1,V		eP e(S)E F	5 41 17 47 04 6 11 --			28,2	Very small
2170			PEZ F	12 40 41 13 07 --				compression Very small
2171	2	0	SEN eL MEN F	22 55 48 57,0 59,3 23 40 --	16			Initial unevident.
2172	4	Iu	(e)Z eZ eN iE iEN MN MZ ME F	5 18 31 20 55 26 13 41 19 41 48 43 43 47 14 59 7 56 --	9 16 13 13 11	7 7		
2173		Or	e(P)N eE SEN F	15 49 33 40 52 29 16 10 --			15,8	
2174			eEZ iEZ S iN iZ F	16 35 13 35 38 45 39 12 18 58 --			19,4	Very small
2175	5	Or	PEE SEN i F	21 21 57 26 59 28 15 22 25 --			30,3	Slightly deeper than normal.
2176	6		eL MEN F	10 45,9 47,7 11 05 --				A train of sur- face waves.
2177		IV	eP iSEN L MNZ F	18 20 48 21 59 22,2 23,4 43 --	9		6,3	
2178	7	Ou	iP eSN	14 20 24 27 59	6		54,0	compression Epc.: 55°N; 162°W.



The Chiufeng Seismological Bulletin

May, 1937

No.	Date	Char.	Phase	G.M.T.	T _p	Amplitude	o	Remark
2178	7, V		MN	14 43 56	17			
	(cont'd)		ME	45 00	19			
			MZ	49 01	15			
			F	15 43 --				
2179			eNZ	17 30 56				Very small
			M	38 31	13			
			F	58 --				
2180		Or	eP	18 11 33			23,3	
			eS	15 40				
			MN	21 58				
			ME	22 51				
			F	58 --				
2181	9	Iir	P	14 52 08			25,8	compression
			PPN	47				Epc.: 48°N; 150,5°E
			S	56 36				
			L	59, 2				
			MZ	15 02 23	19	49		
			MN	25	16	25		
			MIE	37	17	24		
			M2E	06 05	14	20		
			F	17 30 --				
2182	10	Iu	iPEN	15 37 25	4		73,0	Z-component lost.
			iE	39 35				Deep focus type.
			iEN	40 41				
			iSEN	46 53	8			
			iPSEN	47 18	8			
			F	16 47 --				
2183	12	Iu	iP	2 53 51	6		49,6	compression
			pP	54 23				Deep focus:
			iS	3 00 58	8			H: 150 km. ca.
			iN	01 51	8			Epc.: 3°S; 142,5°E.
			iSSE	57	8			
			iSSSE	04 34				
			F	4 11 --				
2184		Ir	PEN	13 16 27			44,6	Z-component lost.
			SEN	23 02				
			ScSEN	26 30				
			eLE	28 43				
			ME	37 44	12			
			MN	40 00	12	7		
			F	14 47 --				
2185	13	0	eN	18 55 17				
			iEN	56 19	5			
			iN	57 35	5			
			iN	19 01 07				
			(M)N	03 34	10			
			F	45 --				
2186	16	0	e(L)EN	6 45 23				A train of sur-
			MEN	49, 1	15			face waves.
			F	7 24 --				

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No.	Date	Char.	Phase	G.M.T.	T _p	Amu	o	Remark
2187	16,V	Iu	P ^{EN} SKS ^{EN} i ^{SEN} m ^N F	11 52 34 12 03 05 33 37 13 30 --	5 11		90,1	Z-component lost.
2188	18	Or	eP S ^{EN} eLN M ^N F	18 46 21 50 50 52 22 55 28 19 32 --	15		25,9	Z-component lost.
2189	20	Ir	eP (S) ^{EZ} i(S) L M ^{EZ} M ^N F	12 19 38 23 33 53 25,4 28,1 30 18 13 35 --	17 12		22,0	
2190	21	Ir	eP ^{EZ} i ^{EZ} S ^E (S) ^N L M ^N M ^{EZ} F	2 02 25 42 06 26 31 08,6 13 09 13,4 3 ? --	12 11	7	22,6	
2191	27	Ir	eP i ^E (S) ^E S ^N eLN M F	4 39 58 40 25 43 54 44 05 45 36 50,1 6 04 --	14		22,2	
2192			eP eS ^{EN} F	23 39 47 43 10 0 04 --	4		18,4	Small shock.
	28							
2193			eP S F	3 28 20 36 08 4 12 --			56,2	Small shock.
2194			(e) ^{EZ} i i ^{EN} F	7 18 40 22 56 28 16 53 --				Small shock.
2195		Or	P ^{EZ} S ^{EN} M F	13 44 42 49 14 59,2 14 54 --	13		26,3	
2196		Ir	iP i i	20 01 06 02 31 03 35	6			compression



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No.	Date	Char.	Phase	G.M.T.	T _p	A _{mu}	o	Remark
2196	28,V		i	20 05 06	10 _e	7		
	(cont'd.)		i(M)N	07 46	13	7		
			F	21 40 --				
2197	29	Or	eP	2 05 04			22,4	
			iS?EN	09 02				
			iZ	11 39				
			iEN	43				
			iEN	14 47				
			F	3 02 --				
2198		Iv	e(P)Z	8 18 07			8,0	
			ePEN	09				
			SN	19 37				
			SE	42				
			iZ	49				
			M	21,4	9			
			F	50 --				
2199	31	Or	P	10 45 50			37,3	compression
			SE	51 37				Deep focus type.
			F	11 38 --				Azi.: EN
2200		Ou	iP	15 41 42	6		57,6	compression
			iEZ	42 07				Deep focus type.
			iSEN	49 39				Epc.: 2,5°S;159,5°E
			eLN	55 41				
			F	17 18 --				

S. P. Lee, Superintendent
L. H. Chia, Assistant

June 10, 1937

Pei-An-Ho, W. of Peiping,
China
φ: 40°3'55" N, λ: 116°5'44" E
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz.,
80 kg. vert.
Weichert;
Galitzin-Wilip.

Weichert	V	T ₀	ξ	r/T ₀ ²		Galitzin-Wilip	T ₁	T	μ ²	kA/πl
Z	--	--	--	--	July 2, '37	Z	11,10	11,30	0,017	516
N	100,6	5,35	3,7	,008	June 30, '37	N	11,10	12,30	0,009	794
June 20E	98,5	5,00	3,3	,013	June 30, '37	E	11,30	11,45	0,012	816
June, 1937										18

No.	Date	Char.	Phase	G. M. T. h m s	T _p s	A μ	Δ km	Remark
2201	3,VI		(e) e i(M) F	2 05,9 06 51 08 08 22 --				Small & indefinite
2202		I	MEN F	18 35 00 47 --	10			
2203	4		ePn FEN Sn SEN F	16 07 10 13 15 18 12 --				Local shock
2204	6		(e) F	18 05,1 53 --				Small & indefinite
2205	7	Or	eP eEN M F	13 11 39 14 55 20,3 42 --	12			
2206	8	Ou	FNZ ePE iSE iNZ eLEN eLZ MZ F	3 48 14 16 55 21 27 59,9 4 01 57 11 19 55 --	6 16		50,6	
2207		Ir	eP ePPZ iEZ SEZ iEN eLEN F	18 05 53 06 28 48 10 04 11 20 12,4 56 --	10		23,8	Deep focus type.
2208		Ou	eP' i PP iz (SKS)EN SKKSN F	22 49 18 29 52 01 53 32 56 06 59 07 0 24 --			136ca.	Epc.: 18°N, 94°W (U.S.C.G.S.)
	9							
2209	10	IV	e(P)EZ ez i(S)EN L	16 58 43 17 00 04 33 53				Initial uncertain

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No.	Date	Char.	Phase	G.M.T.	T _p	A _{mu}	o	Remark
2209	10, VI (cont.)		M F	17 01,5 23 --				
2210	12	Or	P iE SEN M F	18 14 05 53 16 49 19 05 46 --	12		14,8	compression Masked by micro.
2211	14	Ou	ePEN iSEN F overlapped by	12 42 59 52 55			78,0	next quake.
2212			eP SN iPS (SS)N eLEN M F	13 22(22) 32 26 54 37 26 44,4 50 11 15 01 --	20		79,3	Initial uncertain
2213	19	Iu	iP iEN iEZ iSEN iPS F	17 19 10 21 25 22 29 28 37 29 03 18 10 --	6 8 8		72,9	dilatation Deep focus type. Epc.: 12°S, 171°E
2214	20		e(P) SE eLE F	18 34 47 39 39 42 13 19 43 --			29,0	Very small
2215	21		(e) SEN F	14 06 27 13 19 45 --			47,3	Small & indefinite.
2216		IIIu	iP' PPNZ (SKS)NZ iSKKSEN PcPPKS?N SKSP PPSN SSE LLEN L2E ME MZ MN F	15 32 38 36 04 39 11 42 47 44 13 46 07 48 47 54 49 16 15,1 17 00 30 03 43 05 09 18 51 --	25 20 20	42 63 47	145,0	compression Epc.: 8°S, 80°W. (U.S.C.G.S.)
2217		Or	iP eSEN M F	19 11 22 15 51 21,3 20 12 --	5		26,0	compression Epc.: 45°N, 151°E



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No.	Date	Char.	Phase	G.M.T.	T _p	A _{max}	o	Remark
2218	21, VI		ePEN eSN eE eME F	22 17 22 21 53 22 07 27 31 50 --	18		26,9	Very small
2219	23	Or	iP e(S)EN eSZ eLNZ M F	20 45 12 48 04 18 49,3 52,2 21 11 --	5		16,6	compression Epc.: 30°N, 132,5°E
2220	24	Ou	eP' PP e(PKS)?EN iEN ME MZ MN F	13 30 47 32 41 34 09 36 02 14 23 05 34 01 35 50 15 12 --	26 17 17		125ca.	
2221			P? eE ME F	20 18 00 25 32 59 10 21 47 --	16			Small shock
2222	30	Or	eP SEN WcSEN F	14 05 20 10 47 15 41 15 12 --			34,1	

S. P. Lee, Superintendent

L. H. Chia, Assistant

July 12, 1937