

ZI-KA-WEI (CHINE)

BULLETIN SISMIQUE

de l'Observatoire de Zi-ka-wei, près Chang-hai, Chine.

 $\varphi=31^{\circ} 11' 32''$ $\lambda=121^{\circ} 25' 48''$

h = 7 m

Sous-sol: alluvion.

Appareils: Composante horizontale: Pendule astatique de WIECHERT (masse 1200 kg.): Pendules de OMORI (masse 20 kg.)

Composante verticale: Pendule Galitzine à enregistrement galvanométrique: pendule WIECHERT (masse 80 kg.)

Constantes
du 3 Nov.

	V	T ₀	ϵ	$\frac{r}{T_0^2}$
A _N :	150	8 ^s	4,0	0,002
A _E :	150	8 ^s	4,0	0,002
A _Z :	40	6 ^s	2,0	0,002
A _Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s		μ	μ	μ		
5378	3 Jan.	Pz	7	55	10				2478	
	"	Sz		59	06					
	"	iz	8	02	12					
	"	Mz1		03	29	10		7d		
	"	Fz		49	00					
5379	9 "	iPz	10	29	54				4856	Dilatation.
	"	iE		30	02					
	"	iE		30	13					
	"	PRz1		31	14					
	"	PRz2		32	52					
	"	iz		33	07	8				
	"	iz		34	36	8				
	"	Sz		36	22					
	"	iz		36	40	9				
	"	SRz(?)		40	10	14				
	"	SRz(?)		41	00	16				
	"	ME1		42	22					
	"	Mz1		42	36	18		44c		
	"	Mz2		43	54	16		30d		
	"	Fz(?)		-	-					
5380	13 "	ez(?)	16	26	06					
	"	iz		28	28					
	"	Lz		41	14	24				
	"	Mz		47	28	15		4d		
	"	Fz	17	42	00					
5381	29 "	eE	13	50	03				4556	
	"	SE		57	11					
	"	i		57	47					
	"	ME1	14	19	11	16				
	"	ME2		29	27	18				
	"	FN	15	33	00					
5382	29 "	eE(?)	15	46	56					
	"	ME	16	10	11	18				
	"	FE	17	15	00					
5383	12 Fév	ez	00	08	36					
	"	Lz		34	14	20				
	"	Mz1(?)		35	38	23				
	"	Mz2(?)		38	28	17				
	"	Fz	1	06	00					
5384	12 "	Pz	1	06	08				620	
	"	iSz		07	16	8				
	"	Fz	2	14	00					
5385	16 "	Pz	14	00	30					Dilatation.
	"	iz		10	38	14				
	"	Lz		14	48	16				
	"	Lz		23	52	32				
	"	iz		36	40					
	"	Mz(?)		42	50	16				
	"	Fz(?)	16	15	00					
5386	22 "	ez	00	17	28					E. Gherzi s. j.
	"	iz		17	58					徐林芳
	"	iz		18	13					Zi Ling-fong Assist
	"	iz		18	44					
	"	iz		19	10					
	"	Mz1		19	19	11		6d		
	"	Fz		34	00					

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Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s		μ	μ	μ		
5387	22 Fév.	00	39	06				660		
"	"		39	48						
"	"		40	18						
"	"		40	56	11			13d		
"	"	1	33	00						
5388	4 Mars	23	27	42						
"	"		33	10						
"	"		43	02	10			4c		
"	"		45	26	8			2c		
"	5 "	00	49	00						
5389	8 "	18	12	42						
"	"		36	10	32					
"	"		41	02	18			3c		
"	"	19	44	00						
5390	10 "	5	44	22						
"	"	6	17	44	28					
"	"		30	00	20					
"	"		37	52	24					
"	"	7	48	00						
5391	14 "	13	52	26					Marques horaires peu nettes.	
"	"		53	38						
"	"	14	15	00						
5392	15 "	4	38	14				4122		
"	"		38	44						
"	"		39	10						
"	"		43	58						
"	"		46	00	16			9d		
"	"		47	46	12					
"	"		48	40	18			8d		
"	"		50	00	12					
"	"	5	32	00						
5393	18 "	5	27	50						
"	"		57	24	16			2c	3356	
"	"	6	59	00						
5394	19 "	11	05	31						
"	"		10	26						
"	"		14	00	26					
"	"		20	24	18					
"	"	12	30	00						
5395	26 "	00	05	00	8			4d	11400?	
"	"		08	42					Dilatation. (deux secousses?) Marques horaires peu nettes.	
"	"		08	41						
"	"		11	00						
"	"		12	34						
"	"		16	40						
"	"		17	08						
"	"		21	32	24					
"	"		22	10						
"	"		29	04						
"	"		34	24	11					
"	"		34	42				40d		
"	"		35	58				40d		
"	"		37	26				31c		
"	"		38	20	14					
"	"		39	10	12			24d		
"	"	4	?	?						

E. Gherzi s. j.
徐林芳
Zi Ling-fong Assist

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Constantes
du 16 Avril

	V	T ₀	ϵ	$\frac{r}{T_0^2}$
A _N :	150	8 ^s	6,0	0,015
A _E :	140	8 ^s	8,0	0,018
A _Z :	40	6 ^s	2,0	0,002
A _Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s		μ	μ	μ		
5396	26 Mars	eN	9	58	50				3944	
"	"	SE	10	04	22					
"	"	ME (?)	10	09	14	8				
"	"	FE	11	02	00					
5397	28 "	iPz	00	43	52	4		4 ^c		Compression
"	"	Lz	01	00	28					
"	"	Mz1		07	32	12				
"	"	Mz2		11	16	12				
"	"	Fz	02	30	00					
5398	3 Avr.	iPz	20	41	20	7		3 ^c		Compression
"	"	iz		41	56					
"	"	Lz	21	20	23	30				
"	"	Mz		22	51	22		7 ^d		
"	"	Fz	23	36	00					
5399	4 "	iPz	19	19	46	7		12 ^d	1422	Dilatation
"	"	iSz		22	13	10				
"	"	Lz		23	50	13				
"	"	ME1		24	30	10				
"	"	Mz1		24	35	10		— 3 ^m		
"	"	Mz2		25	56	11				
"	"	Mz3		29	04	10				
"	"	Mz4		33	00	10				
"	"	Fz		30	00					
5400	6 "	iPz	9	12	36				570	Dilatation.
"	"	iz		12	46					
"	"	iz		13	02					
"	"	iz		13	15					
"	"	SE (?)		13	39					
"	"	MN		14	42	3				
"	"	Fz	10	32	00					
5401	18 "	ez	11	32	24					
"	"	ez		34	24					
"	"	Mz		57	36	12		2 ^d		
"	"	Fz	13	05	00					
5402	22 "	Pz	5	05	50				4622	
"	"	Sz		12	04					
"	"	Lz		21	36					
"	"	Mz		27	02	14		7 ^c		
"	"	Fz	6	?	?					
5403	29 "	ez	14	31	34					
"	"	Mz		33	58	12				
"	"	Fz		09	00					
5404	29 "	ez	17	33	52				4656	
"	"	Sz (?)		40	08					
"	"	SE (?)		40	44	7				
5405	29 "	Fz?		?	?					
"	"	iPz	18	27	08	6		3 ^c		Compression
"	"	Lz		42	08	32				
"	"	Mz1		46	30	22		4 ^c		
"	"	Mz2		49	52	20		4 ^c		
"	"	Fz	20	24	00					
5406	30 "	ez	17	23	00					E. Gherzi s. j.
"	"	S		24	02					徐林芳
"	"	Mz		24	54	9		3 ^c	560	Zi Ling-fong Assist
"	"	Fz		50	00					

NB. Le 13 Avril pas de Marques horaires.



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Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s		μ	μ	μ		
5407	2 Mai	23	31	20				1111		
"	"	"	33	14						
"	"	"	34	38	20					
"	"	"	35	12	14					
"	3 "	00	23	00			15d			
5408	5 "	4	13	44	7		5d	1356	Dilatation	
"	"	"	15	18						
"	"	"	16	04						
"	"	"	18	36	7		5d			
"	"	5	11	00						
5409	12 "	6	14	08				3300		
"	"	"	19	00						
"	"	"	23	36	10					
"	"	7	31	00			2c			
5410	21 "	10	29	10				14.800	Compression	
"	"	"	31	16					San Salvador	
"	"	"	32	24					Amérique Centrale.	
"	"	"	34	52					Trop faible sur le	
"	"	"	35	36					Wiechert.	
"	"	"	37	48						
"	"	"	39	12						
"	"	"	40	32						
"	"	"	41	12						
"	"	"	42	26						
"	"	"	44	24						
"	"	"	45	00						
"	"	"	46	30						
"	"	"	47	36						
"	"	"	48	10						
"	"	"	48	22						
"	"	"	51	24						
"	"	"	52	10						
"	"	"	52	32						
"	"	"	52	46						
"	"	"	54	10						
"	"	"	54	32						
"	"	"	57	18						
"	"	"	58	36						
"	"	11	07	34						
"	"	"	13	48	28					
"	"	"	16	32	28					
"	"	"	18	52	30					
"	"	"	21	24	30					
"	"	"	27	44	24			41c		
"	"	"	31	16	22			35c		
"	"	12	21	12						
"	"	13	56	54						
"	"	14	?	?						
5411	22 "	11	41	32					Compression	
"	"	"	42	12						
"	"	12	17	00	18					
"	"	"	20	00	17					
"	"	"	28	00	16			3d	E. Gherzi s. j.	
"	"	"	30	12	15			3d	徐林芳	
"	"	14	22	00	16				Zi Ling-fong Assist	
"	"	15	02	00						

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Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s		μ	μ	μ		
5412	14 Mai	13	17	21	8			61 ^c ?	3444	Compression
"	"		17	40						
"	"		18	02						
"	"		19	26						
"	"		21	46						
"	"		22	22						
"	"		22	32						
"	"		23	08						
"	"		26	30	32					
"	"		26	50	12			136 ^c		
"	"		28	30	26					
"	"		31	46	18					
"	"		33	26	14					
"	"		36	30	13			117 ^c		
"	"		39	48	14					
"	"		47	38	16			135 ^d		
"	"		52	00	10			59 ^d		
"	"		53	10	12			58 ^c		
"	"		55	06	15			67 ^c		
"	"	16	37	06	20					
"	"		58	22	20					
"	"	18	30	34	22					
"	"	19	39	00						
5413	26 "	5	21	22					1544	
"	"		24	02						
"	"		26	18	11			6 ^c		
"	"	6	?	00						
5414	26 "	16	20	42	5			8 ^d	7833	Dilatation
"	"		20	56	6			49 ^c		
"	"		23	08	8					
"	"		23	58	7					
"	"		24	02						
"	"		30	02						
"	"		30	22						
"	"		33	46	10					
"	"		37	00	12					
"	"		42	24						
"	"		47	04	10			10 ^d		
"	"	19	08	56	20					
"	"	20	47	16	24					
"	"	21	23	00						
5415	28 "	2	23	32	6			12 ^c	1040	Compression
"	"		23	44	8					
"	"		24	14						
"	"		24	44						
"	"		25	00						
"	"		25	24						
"	"		25	50	16					
"	"		26	42	20					
"	"		27	26						
"	"		28	00	16					
"	"		28	16	13			43 ^c		E. Gherzi s. j.
"	"		29	00	12			46 ^d		徐林芳
"	"		29	44						Zi Ling-fong Assist
"	"	3	55	00						

NB Pour des commodités d'impression, certaines analyses ont été rer



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		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s		μ	μ	μ		
5416	28 Mai	Pz	5	05	00				960	
"	"	Sz		06	44					
"	"	Mz		10	50	12		8 ^d		
"	"	Fz		39	00					
5417	2 Juin	ez	19	53	36				1822	
"	"	Sz		56	42					
"	"	Mz		58	16	12		6 ^c		
"	"	Fz	20	36	00					
5418	3 "	ePz	10	51	55					
"	"	P'		55	15					
"	"	iz		56	39					
"	"	PRz1		57	21					
"	"	iz		58	05					
"	"	PRz2	11	00	11					
"	"	ScPcPcS		02	15					
"	"	PRz3		02	47					
"	"	iz		03	23					
"	"	ScPcPcS		03	49					
"	"	PRz4		03	55					
"	"	PS		07	19					
"	"	PSerecS		07	37					
"	"	PPS		08	39					
"	"	PPPS		09	31					
"	"	PR'2		12	35					
"	"	ScPcPcS		12	35					
"	"	SRz1		14	05					
"	"	SPS		14	23					
"	"	PPSS		14	39					
"	"	PR'3		16	33					
"	"	PSSS		19	11					
"	"	PR'4		19	12					
"	"	SRz2		19	25					
"	"	SRz3		23	29					
"	"	PPSS'		35	37					
"	"	Lz		37	25	20				
"	"	Lz		39	55	24				
"	"	Lz		42	33	30				
"	"	Mz1		45	15	23		109 ^d		
"	"	Mz2		48	43	17		106 ^c		
"	"	Mz3		51	00	22		137 ^c		
"	"	MN1	12	01	17	14				
"	"	ME1		03	25	16				
"	"	MN2		10	27	17				
"	"	Wz2	13	28	11	18				
"	"	Wz3	14	18	39	20				
"	"	Fz	15	58	00					
5419	6 "	Pz	8	57	12					
"	"	iz		57	26					
"	"	iz	9	00	36					
"	"	iz		07	44					
"	"	iz		10	48					
"	"	Mz1		42	28	16				
"	"	Mz2		45	20	16				
"	"	Mz3		50	36	16				
"	"	Wz2(?)	11	21	30					
"	"	Fz	12	17	00					

E. Gherzi s. j.

徐林芳

Zi Ling-fong Assist



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		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s		"	"	"		
5420	8 Juin	ez	6	16	12				1122	
"	"	Sz		18	08					
"	"	Lz		19	44					
"	"	Mz		20	06	14		6c		
"	"	Fz	7	10	00					
5421	8 "	ez	10	56	12				1122	
"	"	Sz		58	08					
"	"	Lz		59	22					
"	"	Mz	11	00	06	14		12c		
"	"	Fz	12	08	00					
5422	8 "	ez	14	59	36					
"	"	iz		59	56					
"	"	iz	15	00	10					
"	"	iz		03	44					
"	"	Fz	16	48	00					
5423	10 "	iPz	20	26	50	6		6c	2978	Compression.
"	"	iz		27	14					
"	"	iz		28	20					
"	"	Sz(?)		31	20					
"	"	iz		32	00					
"	"	iz		36	30					
"	"	Fz	21	33	00					
5424	11 "	Pz	17	05	46					
"	"	iz		06	46					
"	"	iz		07	02					
"	"	Mz(?)		14	42	24		11c		
"	"	Fz	18	?	?					
5425	13 "	Pz	21	00	38				1700	
"	"	Sz		03	34					
"	"	Lz		04	10	24				
"	"	Mz1		05	54	16		24c		
"	"	Mz2		07	46	12		17c		
"	"	MN1		12	12	10				
"	"	Mz3		12	14	11		13c		
"	"	Fz	22	41	00					
5426	14 "	ez	6	02	36				1367	
"	"	Sz		04	58					
"	"	Mz1 (?)		07	02	22		39d		
"	"	Mz2		11	52	11		11d		
"	"	MN1		18	46	11				
"	"	Fz	7	47	00					
5427	14 "	ez	11	23	32				3400	
"	"	iz		27	28					
"	"	Sz		28	30					
"	"	Lz		30	40	14				
"	"	Mz1		34	52	10		9d		
"	"	Mz2		38	14	8		7c		
"	"	Fz	13	05	00					
5428	16 "	iPz	1	25	41	6			830	Compression.
"	"	iz		27	11	6				
"	"	Sz(?)		34	19					
"	"	Lz		37	23					
"	"	Mz1		42	17	16		23d		E. Gherzi s. J.
"	"	Mz2		43	51	12		14c		徐林芳
"	"	Mz3		45	00	9		12c		Zi Ling-fong Assis
"	"	Fz	3	20	00					

ZI-KA-WEI (CHINE)

BULLETIN SISMIQUE

de l'Observatoire de Zi-ka-wei, près Chang-hai, Chine.

$\varphi = 31^{\circ} 11' 32''$

$\lambda = 121^{\circ} 25' 48''$

$h = 7 \text{ m}$

Sous-sol: alluvion.

Appareils: Composante horizontale: Pendule astatique de WIECHERT (masse 1200 kg.); Pendules de OMORI (masse 20 kg.)

Composante verticale: Pendule Galitzine à enregistrement galvanométrique: pendule WIECHERT (masse 80 kg.)

Constantes
du 16 Avril

	V	T_0	ϵ	$\frac{r}{T_0^2}$
A_N :	150	8s	6,0	0,015
A_E :	140	8s	8,0	0,018
A_Z :	40	6s	2,0	0,002
A_Z :	Galitzine	13s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s		μ	μ	μ		
5429	18 Juin	ez	1	33	41				1111	
"	"	Sz		35	35					
"	"	Mz		37	37	12				
"	"	Fz	2	14	00					8c
5430	18 "	Pz	10	27	16					
"	"	iz		27	35					
"	"	P'		30	12					
"	"	iPz		32	02					
"	"	PRz1		33	08					
"	"	ScPcP		33	45					
"	"	PRz2		36	12					
"	"	ScPcS		37	20					
"	"	PRz3		39	00					
"	"	ScPcPcS		39	30					
"	"	PRz4		40	26					
"	"	PScPcS		43	30					
"	"	PS		43	50					
"	"	PPS		45	18					
"	"	PR 2		45	58					
"	"	ScPcPcS		46	16					
"	"	PPPS		46	28					
"	"	PR 3		49	36					
"	"	SRz1		51	08					
"	"	SPS		51	34					
"	"	PPSS		51	52					
"	"	PR 4		52	16					
"	"	PSSS		56	32					
"	"	SRz2		56	42					
"	"	SRz3	11	01	00					
"	"	PPSS'		08	02					
"	"	LN		10	46	24				
"	"	Lz		11	38					22
"	"	Lz		13	46					28
"	"	LN		20	32	24				
"	"	iPz		22	12					20
"	"	iPz		23	08					34d
"	"	Lz		24	34					37c
"	"	Lz		24	34					24
"	"	ME1		27	26					18
"	"	MN1		28	22	18				
"	"	Mz1		28	24					20
"	"	ME2		30	54					16
"	"	Mz2		32	48					16
"	"	MN2		32	56	16				
"	"	MN3		34	32	15				
"	"	Mz3		34	36					16
"	"	Mz4		37	02					13
"	"	Mz5		39	20					17
"	"	Mz6		46	50					16
"	"	Mz7		49	20					16
"	"	Wz2	13	37	42					16
"	"	Wz3	14	53	13					22
"	"	Wz4(?)	15	25	22					16
"	"	Fz		59	00					

E. Gherzi s. j.
徐林芳
Zi Ling-fong Assis



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Constantes
du 16 Avril

	V	T ₀	ϵ	$\frac{r}{T_0^2}$
A _N :	150	8 ^s	6,0	0,015
A _E :	140	8 ^s	8,0	0,018
A _Z :	40	6 ^s	2,0	0,002
A _Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s		μ	μ	μ		
5431	22 Juin	Pz	13	14	18					
"	"	P'		17	43					
"	"	PRz1		20	07					
"	"	PRz2		23	01					
"	"	ScPcS		24	47					
"	"	PRz3		25	41					
"	"	ScPcPcS		26	33					
"	"	PRz4		26	55					
"	"	PS		30	21					
"	"	PScPcS		30	25					
"	"	PPS		31	41					
"	"	PPPS		32	41					
"	"	PR'2		34	32					
"	"	ScPcPcS'		34	37					
"	"	SRz1		37	17					
"	"	SPS		37	37					
"	"	PPSS		37	53					
"	"	PR'3		38	23					
"	"	PR'4		41	01					
"	"	PSSS		42	29					
"	"	SRz2		42	43					
"	"	SRz3		46	49					
"	"	PPSS'		57	17					
"	"	Lz	14	00	12					20
"	"	Lz		05	00					26
"	"	Mz1		10	29					15d
"	"	Mz2		17	06					13d
"	"	Mz3		19	33					15e
"	"	Mz4		22	00					9e
"	"	Wz2	15	20	34					19
"	"	Fz	17	16	00					
5432	29 "	ez	18	20	09					
"	"	Mz		30	13					14
"	"	Fz	20	14	00					8d
5433	10 Juil.	eE	7	49	00					2589
"	"	SE		53	03					
"	"	MN		56	39					15
"	"	FE	8	22	00					
5434	26 "	eE	8	27	29					1311
"	"	SN (?)		29	45					
"	"	iN		30	19					
"	"	iN		30	33					
"	"	FE		54	00					

E. Gherzi s. j.

徐林芳

Zi Ling-fong Assist

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Composante verticale: Pendule Galitzine à enregistrement galvanométrique: pendule WIECHERT (masse 80 kg.)

Constantes
du 6 Sept.

	V	T ₀	ϵ	$\frac{r}{T_0^2}$
A _N :	150	8 ^s	4,0	0,006
A _E :	150	8 ^s	4,5	0,008
A _Z :	40	6 ^s	2,0	0,002
A _Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s	s s s	μ	μ	μ		
5435	14 Août	4	44	32					2511	Dilatation.
"	"		44	58						
"	"		45	08						
"	"		46	08						
"	"		46	23						
"	"		47	06						
"	"		47	41						
"	"		48	30						
"	"		48	37						
"	"		48	55						
"	"		49	22						
"	"		49	30						
"	"		50	07						
"	"		51	16						
"	"		52	22						
"	"		53	00						
"	"		53	41	9					
"	"		53	54	7					
"	"		54	00	9					
"	"		57	56						
"	"		59	10	8				6d	
"	"	6	05	00						
5436	21	4	17	20					940	
"	"		17	39						
"	"		17	50						
"	"		18	02						
"	"		18	11						
"	"		18	14						
"	"		18	21						
"	"		18	26						
"	"		19	02						
"	"		19	44						
"	"		20	26						
"	"		20	44						
"	"		20	54	12				66c	
"	"		22	00	10				66d	
"	"		30	34	12				22c	
"	"		36	06	12				17c	
"	"	7	01	00						
5437	22	11	13	51						
"	"		16	09						
"	"		16	26						
"	"		16	33						
"	"		16	36						
"	"		16	42						
"	"		16	54						
"	"		17	16						
"	"		17	45						
"	"		18	21						
"	"		19	00						
"	"		56	00						
5438	2 Sept.	13	00	57						
"	"		01	22						
"	"		04	39						
"	"		04	43						
"	"		37	00						

E. Gherzi s. j.
徐林芳
Zi Ling-fong Assist



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Constantes
du 6 Sept.

	V	T_0	ϵ	$\frac{r}{T_0^2}$
A_N :	150	8 ^s	4,0	0,006
A_E :	150	8 ^s	4,5	0,008
A_Z :	40	6 ^s	2,0	0,002
A_Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s		μ	μ	μ		
5439	3 Sept.	12	03	25						
"	"		07	21						2478
"	"		07	45						
"	"		15	19	12					
"	"		43	00						
5440	8 "	7	46	52						
"	"	8	00	06	12					3 ^d
"	"		03	02	13					2 ^c
"	"		52	00						
5441	9 "	8	29	04						
"	"		29	45						
"	"		30	05						
"	"		30	19						
"	"		45	00						
5442	9 "	13	46	00						
"	"		46	37						
"	"		52	08						
"	"		57	04						
"	"	14	00	48						
"	"		02	18						
"	"		13	40						
"	"		54	00						
5443	11 "	4	19	04						
"	"		20	28						
"	"		22	12						
"	"	5	03	00						
5444	11 "	13	21	08						
"	"		23	42						
"	"		25	02	12					3 ^c
"	"		50	00						
5445	11 "	14	19	36						
"	"		30	08						
"	"		35	34	12					4 ^c
"	"	15	30	00						
5446	20 "	15	50	20						
"	"		58	20						6467
"	"	16	04	44	15					
"	"		05	40	10					5 ^c
"	"		11	04	11					6 ^c
"	"		12	12	11					4 ^c
"	"	17	20	00						
5447	23 "	14	26	12						2000
"	"		26	18						
"	"		27	00						
"	"		27	18						
"	"		29	33						
"	"		31	44						
"	"		38	55	8					
"	"		45	42	9					
"	"	15	41	00						
5448	26 "	19	32	41						
"	"	20	07	42						
"	"		07	42	12					
"	"		12	11	15					
"	"	21	10	00						

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徐林芳
Zi Ling-fong Assist



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Constantes
du 6 Sept.

	V	T_0	ϵ	$\frac{r}{T_0^2}$
A_N :	150	8s	4,0	0,006
A_E :	150	8s	4,5	0,008
A_Z :	40	6s	2,0	0,002
A_Z :	Galitzine	13s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitud ϵ			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s		μ	μ	μ		
5449	9 Oct.	12	51	41						
"	"		53	54						
"	"		54	02						
"	"		54	07						
"	"		54	14						
"	"		54	30						
"	"		54	35						
"	"	13	28	00						
5450	16 "	12	18	03				6611		
"	"		26	12						
"	"		26	28						
"	"		49	00	15					
"	"	13	04	03	16					
"	"		42	00						
5451	18 "	17	10	51						
"	"		12	52						
"	"		13	19	8			5c		
"	"		14	07	10			2c		
"	"		39	00						
5452	23 "	9	12	06						
"	"		12	50						
"	"		13	35						
"	"		14	39	9			5d		
"	"		15	33	7			3c		
"	"		55	00						
5453	23 "	14	26	00				1967	Dilatation.	
"	"		26	08						
"	"		26	28						
"	"		26	49						
"	"		27	06						
"	"		27	39						
"	"		29	18						
"	"		29	30						
"	"		29	50						
"	"		33	06	14					
"	"		35	10	13			26c		
"	"		37	12	12			23d		
"	"		41	33	12			24d		
"	"		45	38	11			19d		
"	"	17	55	00						
5454	25 "	22	06	22				3433		
"	"		11	22						
"	"		14	34	19					
"	"		16	22	18			4d		
"	"	23	?	?						
5455	29 "	11	25	46				2456		
"	"		29	40						
"	"		34	14	14					
"	"		36	00	13			8d		
"	"	12	30	00						
5456	30 "	20	57	02						
"	"	22	05	08						
"	"		17	28	28					
"	"		20	24	24					
"	"		27	12	16					
"	"		45	00				6c		

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Constantes du 6 Sept.		V	T _a	ε	$\frac{r}{T_0^2}$
		A _N :	150	8 ^s	4.0
A _E :	150	8 ^s	4.5	0.008	
A _Z :	40	6 ^s	2.0	0.002	
A _Z :	Galitzine	13 ^s			

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A _N	A _E	A _Z		
		h	m	s		μ	μ	μ		
5457	12 Nov.	eN	22	52	12					
"	"	iE		54	16					
"	"	iE		54	26					
"	"	iE		54	50					
"	"	FE	23	12	00					
5458	13 "	iPz	4	50	31				1987	Compression.
"	"	iz		51	35					
"	"	iz		51	41					
"	"	iN		52	18					
"	"	SN		53	44					
"	"	iz		53	50					
"	"	iE		55	27					
"	"	iE		55	44					
"	"	iE		55	54					
"	"	Mz1		58	42	8			26c	
"	"	Mz2		59	22	8			26d	
"	"	Mz3	5	01	50	12			27c	
"	"	Fz	6	43	00					
5459	18 "	iPz	13	52	50	5				Dilatation.
"	"	iz		53	44				4c	
"	"	Mz1?		54	08	9			3c	
"	"	Mz2?		59	42	8				
"	"	Fz	14	41	00					
5460	24 "	eE	23	43	55					
"	"	iE		44	27					
"	"	iE		44	51					
"	"	FE		54	00					
5461	26 "	Pz	4	28	26				2189	
"	"	PRz1		28	52					
"	"	iz		29	22					
"	"	iz		29	34					
"	"	Sz		32	02					
"	"	iz		32	26	6				
"	"	iz		33	14	8				
"	"	Lz		35	40	20				
"	"	ME1		38	50	10				
"	"	Mz1		38	54	10			22d	
"	"	Mz2		41	20	10			10d	
"	"	MN1		43	40	12				
"	"	Mz3		43	54	10			8c	
"	"	Fz	6	11	00					
5462	27 "	Pz	3	41	42				2267	
"	"	iz		42	04					
"	"	Sz		45	24					
"	"	iz		45	44					
"	"	Lz		47	46	20			5d	
"	"	Mz1		52	32	12			3c	
"	"	Mz2		55	32	12				
"	"	Fz	4	38	00					
5463	29 "	ez	15	29	48					E. Gherzi s. J.
"	"	iz		30	00					徐林芳
"	"	iz		30	46					Zi Ling-fong Assist
"	"	Mz1		31	34	8				
"	"	Fz		53	00				6c	



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Composante verticale: Pendule Galitzine à enregistrement galvanométrique: pendule WIECHERT (masse 80 kg.)

Constantes
du 26 Déc.

	V	T_0	ϵ	$\frac{r}{T_0^2}$
A_N :	140	8 ^s	3,0	0,019
A_E :	140	8 ^s	4,0	0,002
A_Z :	40	6 ^s	2,0	0,002
A_Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s						
5464	4 Déc.	iPz	8	17	15				3278	Dilatation.
"	"	iz		17	29					
"	"	iN		17	41					
"	"	iN		18	00					
"	"	iz		18	23					
"	"	iz		20	02					
"	"	iz		20	06					
"	"	iz		21	36					
"	"	Sz		22	05					
"	"	iz		22	39					
"	"	iz		22	49					
"	"	Lz		24	07					
"	"	Lz		26	09				24 36	
"	"	LN		26	15				28	
"	"	Mz1		26	57				24	
"	"	Mz2		27	53				20	
"	"	Mz3		29	40				15	
"	"	Mz4		32	37				16	
"	"	Mz5		34	21				15	
"	"	Mz6		36	45				18	
"	"	Mz7		38	27				12	
"	"	Mz8		43	04				14	
"	"	Mz9		44	46				16	
"	"	ME?		45	17				18	
"	"	Fz?	10	-	-					
5465	4	Pz	10	38	57				3300	
"	"	iz		40	00					
"	"	Sz		43	49					
"	"	iz		44	13					
"	"	Mz1		49	31				22	
"	"	Mz2		51	21				16	
"	"	Fz	12	30	00					23c 13c
5466	7	ez?	17	32	18					
"	"	iz		34	24					
"	"	iz		38	06					
"	"	Mz		47	18				14	
"	"	Fz	18	26	00					9d
5467	11	Pz	4	32	41				3800	
"	"	Sz?		38	04					
"	"	iz		46	06					
"	"	Mz1		49	28				10	
"	"	Mz2		52	24				10	
"	"	Fz	5	45	00					10c 6d
5468	15	ez	19	36	22				960	
"	"	Sz		38	16					
"	"	iz		38	28					
"	"	iz		39	28					
"	"	Lz		40	14				18	
"	"	iz		42	08					
"	"	Mz1		43	32				14	
"	"	Mz2		48	40				11	
"	"	Fz	21	13	00					14c 7c

E. Gherzi s. j.
徐林芳
Zi Ling-fong Assist



ZI-KA-WEI (CHINE)

BULLETIN SISMIQUE

de l'Observatoire de Zi-ka-wei, près Chang-hai, Chine.

$\varphi=31^{\circ} 11' 32''$

$\lambda=121^{\circ} 25' 48''$

$h = 7 \text{ m}$

Sous-sol: alluvion.

Appareils: Composante horizontale: Pendule astatique de WIECHERT (masse 1200 kg.): Pendules de OMORI (masse 20 kg.)

Composante verticale: Pendule Galitzine à enregistrement galvanométrique: pendule WIECHERT (masse 80 kg.)

Constantes
du 26 Déc.

	V	T_0	ϵ	$\frac{r}{T_0^2}$
A_N :	140	8 ^s	3,0	0,019
A_E :	140	8 ^s	4,0	0,002
A_Z :	40	6 ^s	2,0	0,002
A_Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s		μ	μ	μ		
5469	21 Déc.	Pz	6	23	16				2300	
"	"	iz		23	25					
"	"	Sz?		27	00					
"	"	iz		40	20					
"	"	Lz		44	46	24				
"	"	Lz		53	58	25				
"	"	Lz		56	20	27				
"	"	LE		59	14					
"	"	LE	7	02	00					
"	"	iz		04	04					
"	"	Mz1		09	22	18		23d		
"	"	ME1		13	10	12				
"	"	Mz2		13	11	14		14d		
"	"	MN1		13	18	12				
"	"	Mz3		13	52	14		14d		
"	"	Wz2?	9	12	52					
"	"	Fz		27	00					
5470	24	Pz	6	38	25				4211	
"	"	iz		38	32					
"	"	iz		39	14					
"	"	iz		40	28					
"	"	iz		41	38					
"	"	iz		42	58					
"	"	Sz		44	14					
"	"	Lz		48	14	16				
"	"	Lz		50	50	27				
"	"	Mz1		52	23	22				
"	"	Mz2		53	30	18		54e		
"	"	Mz3		55	20	15		47d		
"	"	Mz4		56	00	16		33d		
"	"	MN		56	09	18				
"	"	Wz2?	9	32	45	20				
"	"	Fz	10	08	00					
5471	25	iPz	2	09	23	10			2711	Dilatation.
"	"	iN		09	36					
"	"	iN		09	50					
"	"	iN		10	02					
"	"	iN		10	23					
"	"	iN		10	33					
"	"	iN		10	43					
"	"	iN		11	00					
"	"	iN		11	08					
"	"	iN		11	53					
"	"	iN		12	11					
"	"	iN		12	27					
"	"	iN		13	06					
"	"	SN		13	34					
"	"	iN		13	49					
"	"	SRN1		14	20					
"	"	SRN2		14	29					
"	"	SRN3		14	40					
"	"	iN		15	06					
"	"	LN		15	40					
"	"	M?		(?)	(?)					
"	"	F?		(?)	(?)					

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A_Z :	Galitzine	13 ^s		

Numéro et Date	Phase	Heure			Période NS EW Z	Amplitude			Δ km.	Remarques
		H. de Greenwich				A_N	A_E	A_Z		
		h	m	s		μ	μ	μ		
5472	26 Déc.	iPz	21	16	02					Dilatation.
"	"	iz		16	06					
"	"	iE		16	12					
"	"	iz		16	17					
"	"	iz		16	28					
"	"	iz		16	38					
"	"	iz		16	44					
"	"	ME1		17	26					
"	"	MN1		17	44					
"	"	Mz1		21	48	6		22d		
"	"	Mz2		24	22	8		7d		
"	"	Fz	22	34	00					
5473	26	iPz	22	35	26					Dilatation.
"	"	iz		36	54					
"	"	iE		38	58					
"	"	iz		39	12					
"	"	iz		42	08					
"	"	Fz	23	12	00					

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