Nd

-JHS-

UC Press

LA PAZ-BOLIVIA

International Seismological Centre

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

Longitude W. Greenwich { 68° 7' 57",7 / 4h 32m 31s,85
Longitude S. { 16° 29' 43"

Altitude au dessus de la mer 3658 m.
Sous sol: alluvion ancien

APPAREILS Enregistrement mécanique { Pendule horizontal Bifilaire / » » » / » vertical S. Calixto

Enregistrement photo-galvano-métrique { Pendules apériodiques Galitzin-Wilip

Mois de JANVIER - 1959

Composante	Masse	To	A	ε: 1	r/To²
N. S.	2.000 kgs.	14	180	4.6	.001
E. W.	3.500 »	12	300	4.8	.001
NS y EW	1 500 »	2.4	700		.040

	T, galvan	T pendul	μ² Facteur amortissement	F. Facteur agrandissement	long. $c' = \frac{\pi}{AK}$
N. S.	12.55	12.60	-0.006	115	$\bar{3}.355$
E. W.	12.57	12.00	-0.007	130	$\bar{3}.320$
Z	11.74	10.0	.020	128	$\bar{3}.405$

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE AN	AE	AZ	DISTANCE	REMARQUES
			h m s	s.	μ	μ	μ	Km.	
1	1	ePZ	07 40 33					11150	Iles Tonga
								100°4	USCGS 18½S 175½W
									H 07 26 07
2	2	PZ	10 23 39					2850	S. de Panama
		(S)N	28 21					25°6	BCIS 5¼S 82½W
		L	32.0						H 10 17 57
		M	34.5	16	1.5				
		F	45						
3	2	iPZ	22 16 24						
		i(S)N	17 10						
4	3	iPZ	04 17 48				D	750	Pérou
		iPPZ	58					6°7	BCIS 15°S 75°W
		iSN	19 15						H 04 15 47
		iSSN	34						
		iLN	53	8	6				
		M	21.0	8	7				
		F	45						
5	3	PZ	04 48 31						Réplique
		L	50 21						
		M	51.5						
		F	55						
6	3	iPZ	11 19 35		-		C	800	Cote du Pérou
		iPP	45					7°2	USCGS 14½S 75½W
		iN	20 40						H 11 17 38
		iSN	54						
		iSSN	21 11						
		iSSSN	20						
		LN	38						
		M	22.0	7	>50				
		M	23.0	7	>50				
		M	23.5	6	>48				
		F	12 30 Ca						
7	4	PKPZ	03 36 42					17050	Sud de Java
		PKSN	39 57					153°4	USCGS 10°S 111½E
									H 03 16 36
8	4	iPZ	17 02 23				D		
		iZN	03 00						
9	4	iPZ	22 35 32						
		iZ	40						
		iZ	46						
		i(S)N	36 30						
10	5	PKPZ	02 57 11					16850	Iles Mariannes.
								151°6	USCGS 11°5N 141°E
									H 02 37 28 h 200
11	5	ePKPN	10 05 42					12240	Iles Loyauté
		PPZ	06 12					110°1	USCGS 22°S 171°5E
		PSN	15 50						H 09 46 42
									M 6½-6 3/4

APR

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
12	7	iPZ	05 54 21						
		iZ	36						
		i(S)N	56 45						
13	7	iPZ	12 37 28						
		iZ	58						
14	8	iPZ	01 40 13				C	3520	Ile du Vent, Petites Antilles.
		iZ	48					31°7	USCGS 15°5N 61°W
		iZ	41 23						H 01 33 48
		iSN	45 57	8	3				M 6½-6 3/4
		iN	47 01						
		iSSN	35						
		M	54 11	12	9				
		F	02 30						
15	8	ePZN	16 02 04					4150	Océan Pacifique.
								37°3	BCIS 1½N 102°W
									H 15 54.7
16	8	iPZ	18 01 05						
17	9	PZ	06 19 06						
18	9	iPZ	08 44 53						
		iSZN	45 18						
		F	50						
19	11	iPZ	07 29 44					4260	Guatemala
		i	31 56					38°3	USCGS 15°N 90°W
		e(L)	38 25						H 07 22 40 h 200
		F	50						
20	12	e(PKP)N	18 01 14					16430	Iles Mariannes
								147°9	USCGS 14°5N 145°E
									H 17 41 29
21	13	iPKPZ	01 35 14	8			1	16350	Iles Mariannes
		iZ	36 00	6			1.5	147°1	USCGS 13°½N 146°E
		L	02 28.0						H 01 15 25
		M	32.0	20	6.5				Pas M 6 3/4
		F	40						
22	13	ePZ	08 40 16					3300	Costa Rica
		iN	41 16					29°7	USCGS 9°N 83°5W
		eSN	45 20						H 08 34 08 h 100
		iSSN	47 00						
		SSSN	22						
		L	50.2						
		ML	52.2	16	3				
		M	53.5	14	3				
		M	56.4	12	3				
		F	09 20						
23	13	iPZ	19 07 39		-	+	C	380	Sud du Pérou
		ipPN	45					3°4	USCGS 16°5S 71°5W
		isPN	49						H 19 06 40 h 150
		iS	08 20	4	11				
		isSN	36						
		L	44						
		M	52	4	14				
		F	25						
24	13	iPZ	20 40 05					2050	Chili Central
		ipPZ	12					18°4	USCGS 34°5S 71°W
		isPN	38						H 20 35 54 h 100
		iSN	43 38						
		isSN	56	4	2				
		M	46.3						
		F	21 00.						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
25	15	ePN	06 35 36						
		SN	37 12						
		L	38.0						
		M	38.5	12	3				
		F	45						
26	15	eN	21 36.0					11300	S. des Iles Fidji
		iN	43 26	8	2			101°7	USCGS 25°½S 180°
		F	55						H 21 20 26 h 500
27	16	e(P)Z	02 50 04						
		e(S)N	55 10						
		L	58.4						
		M	59.5	10	1.5				
		F	03 10						
28	16	L	17 34.5					9750	Iles de la Reine
		M	42.0	18	2		2	87°7	Charlotte.
		M	49.0	18	2				USCGS 52°N 131°5W
		F	18 05						H 16 50 40
29	18	e(PKP)N	15 00 30					14940	Nouvelle Bretagne
								134°4	USCGS 5°S 152°5E
									H 14 41 06
30	19	PZ	04 25 44						hili
		(S)N	27 33						BCIS H 04 23.5 h 1
		M	29 05	7	1				
31	22	iPKPZ	05 30 08.5					16440	Hondo, Japon.
		iZN	17	8	6		C	148°0	USCGS 34°N 142°E
		iPPNZ	33 47						H 05 10 25
		iPPPZ	37 11						Pas M 6 3/4-7
		iSKSN	21	16	2				BCIS 37°55'N 142°3
		iSKKSN	40 33						H 05 10 28
		iSSN	52 25	12	5				
		iSSSN	58 07	16	4				
		L	06 20.0						
		ML	21.2	25	40		42		
		M	26.0	20	17				
		M	40.0	20	17		16		
		F	08 35						
32	22	ePKP	10 00 17					16190	Hondo, Japon.
								145°6	USCGS 38°5N 142°E
									H 09 46 40
33	22	iPZ	11 06 17						
34	22	iPZ	19 44 34						
35	23	ePZ	07 58 31					5900	Atlantique Sud (BC
		i(S)	08 05 51					53°1	
		L	12.8						
		ML	14.8	18	13				
		M	17.0	14	5				
		F	45						
36	23	ePZ	10 28 22					4300	Atlantique,
		(S)N	34 16					38°7	USCGS 16°½N 47°W
									H 10 20 57
									BCIS 15°3/4N 46°3/
									10 20 56
37	24	iPKPZ	05 28 16					16300	Hondo, Japon.
		ipPKPZ	26					146°7	USCGS 37°5N 141°E
		isPKPZ	40						H 05 08 35 h 100

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					An	Ae	Az		
			h. m. s.	s.	μ	μ	μ	Km.	
38	24	e(P)ZN	19 49 51					4415	Front.Mexique-Guat.
		PPZ	51 40					39°7	mala.
		SN	55 50						USCGS 15°N 92°5W
									H 19 42 20
									Pas M 6¼
39	24	iPZ	20 06 12	8			2.5D	7530	Açores
		iPPZ	08 41					67°5	USCGS 37°5N 24°5W
		iSN	15 14	8	3				H 19 55 14
		iSSN	19 30						Pas M 6¼-6½
		L	26.2						
		M	32.0	18	6				
		F	21 15						
40	26	iPZ	03 20 52					1000	Côte du Chili.
		iPPZ	21 02					9°0	USCGS 25°S 71°½W
		iSN	22 32		-				H 03 18 35
		iLN	23 55						
		M	25 21	10	3				
		F	45						
41	26	iPZ	17 50 48					1980	Equateur.
		iN-	51 11					17°8	USCGS 1°S 77°W
		iSN	54 03						H 17 46 51 h 200
		F	18 05						
42	26	ePZ	21 03 10					2050	Cote Nord du Pérou.
								18°4	BCIS 4°½S 82°½W
									H 20 58 50
43	26	iPZ	21 59 07						
44	27	ePZ	00 27 04					3820	E. de la République
		i(pP)Z	38					34°4	Dominicaine.
		eSN	32 30						USCGS 18°N 68°½W
		e	38 06						F 00 20 22 h 100
45	28	iPZ	10 08 16					1920	Iles Juan Fernández
		iZ	24	6			5	17°3	USCGS 30°5S 79°W
		iPPZ	32	6			4		H 10 04 10
		iSN	11 42	9	9				Pas M 6¼
		iSSN	55						
		L	12 32	13					
		ML	36	13	21				
		M	14.0	9	15				
		M	14.9	8	19				
		iScSN	20 08						
		F	11 20						
46	29	iPZ	07 11 52				C		
		i(S)N	14 26						
47	29	iPZ	22 37 17	4	8		C	550	S. de la Bolivie.
		ipPN	29					5°0	USCGS H 22 35 54 h
		iN	50						BCIS 21°½S 68°½W
		iSN	38 08	4	18				H 22 35.9 h 150
		iN	18						
		iN	38						
		F	55						
48	29	PZ	23 38 26					11240	Large de la côte d
		PS	51 37					101°1	Norvège
		eSSN	57 14						USCGS y BCIS 71°N
		(L)	24 14						H 23 24 30

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					AN	AE	AZ		
			h. m. s.	s.	μ	μ	μ	Km.	
49	30	iPZ	00 15 44					1050	Centre du Pérou
		iZ	16 07					9°5	USCGS 11°5S 74°5W
		i(S)N	17 40						H 00 13 48 h 60
		iN	59						
		iN	18 09	3	5.5				
		F	35						
50	30	(P)Z	15 12 48					2150	Front. Equateur-Co-
								19°3	lombie
									BCIS 1°N 77°½W
									H 15 07 45
51	30	iPZ	16 18 32				C	1240	Cote du Chili
		iPPZ	44					11°1	USCGS 26°5S 71°0W
		iSN	20 44						H 16 15 58 h 100
		iN	54	4	5				
		SSN	21 13						
		L	21.7						
		M	23.0	5	12				
		M	23.7	5	10				
		F	17 10						
52	30	ePKPZ	20 58 40					15750	Hokkaido.Japon
								141°7	USCGS 44°N 144°E
									H 20 38 58 Pas M
									5 3/4-6
53	30	ePKPZ	22 36 22					15750	Hokkaido.Japon
		L	23 25.0					141°7	USCGS 44°N 144°E
		ML	27.5	26	4				H 22 16 47
		M	44.0	20	3				
		M	53.0	20	2				
		F	24 25						
54	1	iPKPZ	03 32 35					15450	Hindou Kouch
								139°7	USCGS 36.5N 71°5 E
									H 03 13 32
55	1	ePZ	04 25 32					6150	Région de l'ile
		iN	26 10					55°2	Ascension
		L	45.5						USCGS y BCIS 7S
		M	48.0	16			1.3		12°5 W H04 16 12
		F	05 05						
56	2	iPKPZ	04 15 57					17000	Mer de Banda
								153°0	USCGS 6°5S 126E
									H 03 56 12 h150
57	2	iPZ	22 43 05						Nord du Chili
		iZ	17						BCIS H 22 41.5
		iSN	44 15	4	2.5				
		iN	29	3	5				
		F	55						
58	5	iPZ	14 48 58						
		iZ	51 41						
		iZ	52 18						
59	6	e(P)N	20 38 19					4400	Océan Pacifique
		iZ	39 26					39°6	BCIS Ca6S 107°5W
		iN	48 23						H 20 30.6
		M	53.0	7	2				
		F	21 15						
60	7	iPZ	09 41 11		50	+	+C	2025	Côte N du Pérou
		iPPZ	33						USCGS 4S 81°5W
		iSN	44 46						H 09 36 51
		L	46.0						Pas.M 7½-½

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
60	7	M	46.9	10	69				
		M	de 50à57	10à	16	90			
		M	58.0	10	72				
		M	10 02.5	11	78				
		F	13 30 Ca						
61	7	iPKP	10 31 24					13380	Iles Mariannes
		iZ	31 37					120°4	USCGS 16N 146E
									H 10 11 39
62	7	ePZ	11 00 17					4150	Océan Atlantique
								37°3	USCGS 13N 45W
									H 10 52 59
63	8	PZ	01 14 06					8250	Nord de l'Océan
		iSN	23 48	8	1.5			74°2	Atlantique
		iSSN	24 26						USCGS 49N 28.5W
		L	36.8						H 01 02 26
		M	42.0	20	2				BCIS 48°3/4N 28.5W
		F	02 00						H 01 02 24
64	9	eL	05 40						Pas M 6½-½
		F	06 15					12780	Iles Andreanov
								115°0	USCGS 50.5N 177.5W
									H04 42 33
65	9	iPnZ	05 35 09						
		iPbZ	16						
		iPgZ	26						
		iSN	40						
		iSn	54	5	3				
		iSg	36 10	4	5				
		M	44	5	5				
		F	50						
66	9	iPZ	09 55 34					680	
		iPnZ	44					6°1	
		iPgZ	53						
		iZ	56 20						
		iSN	48						
		iN	57 15	4	3				
		iN	30						
		F	10 05						
67	9	e(PKP)N	21 32 24					14800	Iles Salomon
		eN	37 08					133°2	USCGS 5S 154E
									H 21 13 18 h 100
68	11	iPZ	14 00 22					4810	Côte d'Oaxaca,Mex
		PP	02 07					43°3	USCGS 16N 97W
		SN	06 54						H 13 52 13 PasM 6
		L	14.6						
		M	16.8	17	1				
69	11	iPZ	20 01 24					2150	Côte du Pérou
		iSN	04 57	6	1.5			19°3	USCGS 4S 82.5W
		L	07.2						H 19 57 05
		M	08.7	15	2.5				
		F	25						
70	12	ePZ	04 03 34						
		iN	04 52						
71	12	iPZ	16 51 08						
		iZ	12						
		iZ	54						
		iSN	52 20						
		iSSN	39	10	3				
		F	17 00						
72	13	iPZ	07 08 41						
		iSN	09 15	6	6				

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
72	13	[illegible]	07 09 30						
Suite		iN	50						
		F	20						
73	13	iPZ	15 33 18						
		iN	31						
		i(S)N	45						
		F	37						
74	14	ePKPZ	04 56 12					17100	Mer de Flores.
		L	05 02.2	20	2			153°9	USCGS et BCIS 7°½S
		I	09.0						122°E H 04 36 10
75	14	iPKPZ	22 45 55					18000	Pakistan.
								162°0	USCGS 28°N 97°E
									H 22 25 50
76	15	iPZ	04 08 40	10			4C	5750	Iles Sandwich
		iZ	09 13					51°7	USCGS et BCIS 59°5S
		iPP	10 30						25°W H 03 59 25
		iSN	16 14	14	8				Pas.M 6½-3/4.
		i(ScS)N	18 34	13	4.5				
		SSN	20 16						
		L	23.3						
		ML	24.3	15	9				
		M	27.0	19	28				
		M	29.0	20	18				
77	15	iPZ	04 51 54				C	5900	Iles Sandwich
		iPP	54 19					53°1	USCGS 59°5S 26°W
		iSN	59 00	12	16				H 04 42 35
		iZ	28						Pas.M 5/4
		L	05 06.6						
		ML	07.5	14	17				
		M	10.0	20	52				
		M	12.0	19	31				
		F	07 20						
78	15	iPZ	23 30 51					2225	Côte de l'Equateur
		S	34 37					20°0	USCGS 1°5S 81°5W
		iN	57						H 23 26 17
		L	38.5						BCIS H 23 26 16
		M	40.0	16	1.5				
		F	55						
79	16	iPZ	00 40 44						
80	16	iPZ	00 44 08	7	9		C	2300	Côte de l'Equateur
		i[illegible]	34					20°7	USCGS et BCIS 1°S
		iSN	48 10	7	10				81°5W [illegible] 00 39 32
		iSSN	51						
		L	50.2						
		M	52.0	13	21				
		(ScS)	55 20	10	24				
		F	02 25						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
81	1	iPZ	12 21 22					2450	Cote de l'Equateur
		iSN	25 37					22°0	USCGS 2°N 80°W
		L	30.4						H 12 15 27
		M	33.2	13	1.5				
		F	45						
82	17	iPZ	02 55 29					2200	Equateur
		iZ	34					19°8	USCGS 1°S 80°W
		iP	57 06						H 02 51 55
		iSN	03 00 29		-				
		L	03.0						
		M	04.5	10	2				
		M	06.5	10	1.5				
		F	25						
83	17	ePZ	05 59 13						
		iSN	07 00 05						
		S	06 25						
84	17	iPZ	11 29 14						
		iPg	20						
		iSg	40						
		F	35						
85	17	iPZ	11 48 02					-	-
		i(Sg)	25						-
86	17	iPN	12 22 25					12300	Iles aux Renards,
		iSN	31 50					110°7	Aléoutiennes.
		SSN	38 05						USCGS 51°5N 171°W
		L	55.0						H 12 03 05
		ML	57.0	22	2.5				Pas.M.5-6½
		M	13 10.0						
		M	25.5	19	2				
		F	45						
87	17	iPKP	13 09 08					16620	S de Hondo Japon
								149°5	USCGS 32,5N 141¼E
									H 12 49 20 h 50
									BCIS 31¾N 141¼E
									H 12 49 18
88	18	ePZ	00 35 46						Prob. N du Chili
		eZ	36 00						
		iZ	47						
89	19	iPZ	03 10 30						
		i(Pg)Z	10 51						
		i(S)N	11 09						
90	20	iPZ	03 53 36				+C		
		iZ	54 02						
		i(S)N	24						
91	20	iPZ	04 16 19				+C	1585	Centre du Chili
		ipPZ	30					14°2	USCGS 30.5S 71W
		iPPZ	35						H 04 12 54
		iSN	19 02						Pas. M. 6¼-½
		iSSSN	39						
		L	21 32						
		M	22 50	9	6				
		F	45						
92	20	iPZ	18 23 45				-D	4360	Guatemala
		PPZ	25 28					39°2	USCGS 15.5N 91W
		iSN	29 44						H 18 16 22 h 150
		L	35.0	24					Pas. M. 6½
		M	39.6	18	1.5				
		M	50.0	16	1.5				
		F	19 10						
93	21	iPZ	13 51 00						
		iN	23						

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	Ae	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
94	22	iPKP	10 46 05					16700	Mer de Banda
		PPZ	49 33					150°3	USCGS 5.5S 131E
									H 10 26 06
95	23	iPKP	02 18 04					15140	Nouvelle Bretagne
								136°2	USCGS 5.5S 150E
									H 01 58 38
96	23	iPZ	07 56 48					4350	Océan Atlantique
		L	08 11.5					39°1	USCGS y BCIS 16N
									46W H 07 49 21
97	23	PKP	10 50 20					14300	Kamtchatka
		(PP)Z	52 25					128.7	USCGS 52.5N 159E
									H 10 31 14 h 100
98	24	iPZ	00 53 20						
		iN	54 00						
		M	30	6	1.5				
		F	01 10						
99	25	iPZ	01 40 57						
		iN	41 40						
100	25	iPZ	05 38 32					400	Front.Bolivie-Chili
		iN	44					3°6	BCIS Ca 20S 68W
		iN	53						H 05 37.7 h 100
		iSN	39 15	3	7				
		F	45						
101	26	eN	13 06 27					2700	Colombie
								34°3	BCIS 6°3/4N 76½W
									H 12 54 34
102	27	iPZ	09 37 10				-D		
		iZ	36						
103	27	iPKP	21 16 37					17850	Iles Riou-Kiou
		$iPKP_2Z$	17 16					160°6	Japon
									USCGS 27.5N 129E
									H 20 56 30
									BCIS H 20 56 35
		Pendant les deux mois suivants une panne dans le systeme de signaux horaires a perdue l'enregistrement de quelques phases, même de quelques séismes complets							
104	1	iPKPZ	17 09 09	7			-6D	16950	Nouvelle Guinée
		ipPKPZ	18					152°6	USCGS 0°5S 134.5E
		isPKPZ	36						H 16 49 13 h 100
		$ipPKP_2Z$	40						Pas. M 7
		iPKSZ	12 24						
		iPPPZ	16 00	10			4		
		iN	26 47						
		iSSN	32 24	16	6				
		iSSPN	33 12						
		LQ	55.0	50	4				
		L	18 03.0						
		ML	04.0	28					
		ML	07.5	22	11				
		M	09.0	20	14				
		M	22.0	20	10				
		M	28.0	20	13				
		F	19 35						
105	3	iPZ	03 30 26						
		iPg	29						
		iSg	58						

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
106	4	iPZ	10 57 50				$^{\mu}C$	400	S. de la Bolivie
		iPE	58					3°6	BCIS Ca 20°S 68°W
		iPg	58 03						H 10 56.7
		iS	40						
		iZ	48						
		iSg	59 00						
		F	11 05						
106	5	iPZ	23 04 52						
		iN	06 03						
		iN	07 20						
107	6	iPZ	06 10 25						Faible
		iSN	11 08						
108	6	iPZ	09 54 52						
		iZ	55 04						
109	6	e(PKP)	21 01 14					13700	Iles Salomon
								123°3	USCGS 10°5S 162°E
110	8	eZ	14 50 08						
		iZ	51 05						
		iZ	51 11						
		eN	52 12						
111	8	ePZ	23 04 57					970	Pérou Central
		PPZ	05 08					8°7	USCGS 11°5S 75°5W
		iSN	07 20						H 23 02 42
		iSSN	34						
		iSSSN	43	4	2				
		L	56						
		M	08 30	10	5				
		F	20						
112	9	ePZ	02 19 39						
		iZ	44						
		iZ	57						
		iSN	20 17						
		L	40						
		M	56						
		F	27						
113	9	iPZ	02 32 18				D		
		iZ	32 23						
		iZ	37						
		iSN	55						
		L	33 18						
		M	32	7	4				
		M	50	5	4				
		F	45						
114	9	iPZN	17 24 22						
		iZ	26						
		iSN	52						
115	9	e(P)N	22 10 23					4350	Guatemala
								39°1	USCGS 15°5N 91°N
									H 22 02 58
116	10	iPZ	11 53 26						
		(S)	54 17						
117	10	e(P)NZ	16 35 07						
		e(S)	36 12						
118	10	eN	23 09 30						
		iZ	13 16						
		e(L)	17 36	14	1				
		F	45						
119	12	PKPZ	01 48 55					16450	Iles Carolines
		iPKPZ	49 03					148°0	USCGS 17°N 145°E
									H 01 29 07
									Pas M 6

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AMPLITUDE VRAIE Ae	AMPLITUDE VRAIE Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
120	13	iPZ	00 35 23						Argentine
		(S)NZ	37 04						BCIS Ca 26S 67W
		M	38 40						H 00 33.2
121	13	iPZ	13 20 35						S. du Pérou
		iZ	38						BCIS Ca 15S 71W
		iS	21 03						H 13 19 36
		i	10						
		F	25						
122	14	e	18 30 27						
123	17	iPnZ	00 18 58						
		iPb	19 11						
		iPg	20						
		iSn	54						
		iSb	20 16						
		iSg	28						
		F	26						
124	17	iPZ	01 21 58						
		iSn	22 35						
		F	27						
125	17	iPKPZ	08 45 20	7			D1.5	17780	Iles Riou-Kiou
		iP$_2$P$_2$Z	46 08	7			1.2	160°	USCGS 27½N 130E
		PKSN	48 51						H 08 25 22
		iPPZ	49 46	8			-1.2		Pas.M.53/4 a 6
		SKKSN	56 50						
		eN	09 00 18						
		iSSNe	10 20	12		1.5			
		L	53.2						
		ML	56.0	20	2	2			
		M	10 06.0	20	3				
		M	12.5	20	2	1.5			
		F	35						
126	17	iPZ	13 08 07				+C	5740	Iles Sandwich
		eSN	15 30					51°6	USCGS 57S 25W
		SSN	19 20						H 12 58 57
		L	24.0						
		M	27.0	15		1.5			
		M	39.0	14		1.5			
		F	55						
127	17	ePZ	15 13 15					5820	Iles Sandwich
		iSN	20 38					52°4	BCIS 56½S 23W
		iSSN	24 04						H 15 04 03
		(L)	29.5						
		MR	33.5	15	1.5	1.5			
		F	16 10						
128	18	iPZ	00 21 24						
		iN	33						
129	18	iPKPZ	01 01 24					17850	Iles Riou-Kiou
								100°6	USCGS 27N 129E
									H 00 41 17
130	18	iPKPZ	07 46 22					16350	C.E Hondo,Japon
		ipPKPZ	40					147°1	USCGS 37N 141E
									H 07 26 47 h100
131	18	iPZ	14 58 28					1100	Frontiere Pérou-
		iZ	37					9°9	Brésil
		iSN	15 00 26						USCGS 8S 73.5W
		iSe	36	10					H 14 56 05 h150
		SSN	40						
		LeZ	01 36						
		M	02 00	10		2.5			
		ScSN	11 24						
		F	20						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
132	19	ePZ	08 35 29					6650	N.De l'Océan
		iPZ	46					59°7	Atlantique
		iZ	55						USCGS 35N 36W
		PP	37 49						H 08 25 32
		iSNe	44 01	10	3	2.5			BCIS 35¼N 36W
		iSSSN	50 31						H 08 25 35
		iSSSe	51	12		4			Pas.M.6¼-½
		L	52.0						
		ML	54.0	24	6				
		G	55.2	40	3				
		M	59.0	20	5	5			
		F	09 25						
133	19	iPz	19 33 36				+C		
		iSN	34 18						
		iN	26						
		F	40						
134	20	LN	11 15.0					5630	Crête médiane
		M	17.7	15	1.5			50°7	del'Atlantique
		F	20						BCIS 26S 13½W
									H 10 51 49
135	23	iPZ	07 21 52					8100	W. du Nevada
		PPZ	22 42					72°9	USCGS 40 118W
		L	50.0						H 07 10 22
		M	52.5	15	1.5				Pas.M.6.3
		M	55.7	14	1				
		F	08 05						
136	24	iPZ	05 08 53					1330	Prov.Rioja Argen-
		eSN	11 26					12°0	tineUSCGS 05 05 37
		L	12.4						BCIS 28½S 68½W
									H 05 05 38
137	24	ePKP	17 38 34					16450	SE du Hondo,Japon
								148°1	USCGS 34N 142E
									H 17 18 24
138	25	iPZ	00 15 04					1700	Nord du Pérou
		i(S)N	18 08					15°3	USCGS 5S 78½W
		ieN	19 52	10	1.5				H 00 11 15
		M	21.2	10	1.5				
		F	30						
139	26	iPKP	02 43 24					14515	Iles Salomon
		iZ	46 42					130°6	USCGS 7S 155½E
									H 02 24 12 h60
140	26	iPZ	04 48 56						
		ie	49 48						
141	26	PKP_2Z	05 45 24					17650	Détroit Moluques
								158°8	USCGS 0°125E
									H 05 24 42
142	26	ePZ	12 25 40						
143	26	iPZ	15 08 08						
		iSN	09 35						
144	27	iPZ	07 08 38					3800	Petites Antilles
		iSe	13 46					34°2	USCGS y BCIS
		i	17 56						17½N 63W
									H 07 02 07 h150
145	27	iPZ	23 02(56)					2700	Océan Pacifique
		F	24 10					24°3	USCGS 1°N 85W
									H 22 57 36
146	28	eP	03 45 15						Région I Paques
		iSN	51 20						BCIS H 03 37.5
		L	57.0						
		M	59.5						
		M	04 04.0	16	1				
		F	10						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
147	28	iPZ	08 51 2(8)						
		iZ	34						
		i(S)∠N	52 08						
		F	09 00						
148	28	iSKSN	20 09 54					11480	Iles Fidji
		iSKKSN	10 24					103°3	USCGS 20S 178½W
		SN	12 38						H 19 47 07 h600
									Pas. M 5¾-6
149	29	ePZ	05 46 42					3970	Iles de la Vierge
								35°7	USCGS 19N 64.5W
									H 05 39 58
150	29	ePZ	13 58 15						
		iPb	25						
		iSn	59 14						
		(S)b	23						
		(Sg)	34						
151	1	eiPZ	00 44 52				-2	7070	Iles Canaries
		iZ	45 03					63°4	USCGS 27.5N 21W
		iZ	34						H 00 34 18
		iPPZ	47 20						BCIS 27.3/4N 21W
		iSe	53 29						H 00 34 18
		iPSeN	56						Pas. M6¼
		L	01 04.3						
		M	06.3	17	3				
		M	08.2	18	3				
		M	12.2	17	2				
		F	40						
152	1	L	17 13.4						
		MZ	16.2	16			2.5		
153	1	iPZ	23 02 10						
		Pb	27						
		iSn	03 31						
		Sb	57						
		i	04 08						
		M	04.8	10		5			
154	2	iPZ	02 25 03						
155	2	ePZ	17 21 19						
156	2	ePZ	18 10 51						
157	2	ePKPZ	19 41 48					18950	Iles Batan
		iZ	42 03					170°5	USCGS 20.5N 121E
									H 19 21 34
158	3	ePZ	02 42 10						
		(S)e	44 20						
		L	44.7						
159	3	iP	19 37(30)					1980	Cote du Perou
								17°8	USCGS 4S 81W
									H 19 33 50
160	4	ePZ	03 11 22						Front.Brésil-Pero
		(S)e	14 11						USCGS H 03 08 44
									BCIS Ca 7N 74W
									H 03 08.7
161	5	ML	11 39.0	20			3	10150	S.E. de France
		F	50					91°3	USCGS 44N 7E
									H 10 47 52
									BCIS 44.6N 6°8E
									H 10 47 53

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
162	5	ePZ	20 38 24				-D	2920	Côte W de Colombie
								26°3	USCGS 6N 77½W
									H 20 32 48
163	5	iPZ	21 35 25						
164	5	ePKPZ	23 48 58					15530	N de Nª Guinée
		iZ	49 12					139°8	USCGS 5.5S 146E
									H 23 29 25
165	6	ePZ	00 55 59						
		iPE	56 14						
		iPg	24						
		iS	57 13						
		iSE	29						
		iSg	45	7	1.5				
166	6	ePZ	12 55 34						
167	6	iPPPZ	14 32 38	5			42.1C	16900	Iles Sumba
		iPKP$_2$Z	57					152°1	USCGS 10S 120.5E
		PKS	36 16						H 14 12 36
		LE	15 33.5	26		3			Pas. M6¼
		M	48.2	19		2			
		M	58.0	18		2			
		F	16 25						
168	8	iPZ	11 51 16	5			5C	3810	Front.Chili-Argent
		iZ	36					34°3	USCGS 50°5S 73°W
		iPPZ	52 34	4			2		H 11 44 25
		iSE	56 45	10		1.5			
		iSSE	59 00	8		1.5			
		L	12 01.5						
		SeSE	01 48						
		M	03.8	14		11			
		M	06.7	12		12			
		M	14.0	10		10			
		F	13 20						
169	8	PZ	22 50 06						
170	9	eE	06 38 24					13080	Océan Indien
		eE	56 00					117°7	USCGS y BCIS 36°S
		LE	07 11.7						77°E H 06 18 34
		L	16.0						Pas M 5 3/4-6
		M	19.8	20	1.3				
		M	22.0	16	1.1				
		F	08 Ca						
171	9	P et S	perdues par une	panne					S. de Panama
		M	17 56.8	12		10			USCGS 7°N 82°W
		M	58.5	12		5.5			H 17 36 10
		F	18 40						Pas M 6¼-6½
172	9	eP	20 08 34						Front.N Chili-Arge
		e	56						tine.
		(S)	09 20						BCIS Ca 24°S 68°W
									H 20 06.8 h 150
173	10	iE	06 10 20					11450	S. Iles Fidji
		F	15					103°0	USCGS 25°S 178°½E
									H 05 47 34 h 600
									Berk M 6
174	10	ePZ	13 43 37						
		e(S)	49 24						
		L	57.6						
		M	59.6	14		2			

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AMPLITUDE VRAIE Ae	AMPLITUDE VRAIE Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
175	11	PZ	14 51 34					2650	Front.Colombie-Venezuela
		iSE	55 51					23°8	USCGS 7°N 71°½W
		SS	57 56						H 14 46 16
		L	59.2						
		ML	15 01.4	12		2			
		M	02.6	10		2			
		M	04.3	8		2			
		F	20						
176	12	eP	08 12 32					500	Front.Chili-Bolivie
		L	17.7					5°0	USCGS H 08 10 44
									BCIS 21°½S 68°W
									H 08 10 45
177	12	PZ	10 02(40)					4780	Mexique
		S	08 50					43°0	USCGS k7°½N 95°W
		i(sS)	09 02						H 09 54 51 h 100
		SS	12 30						Pas M 6¼
		L	14.5						
178	12	eP	12 48 25						
179	12	eP	15 42 29						
		(S)	43 10						
178	12	(SS)	21 19 36					11000	Iles Samoa
		eL	45.0					99°0	USCGS 15°½S 173°W
		F	22 00						H 20 54 00
									Pas M 6-6¼
181	14	e(P)N	00 30 18						
		L	00 41.0						
		M	43.3	13	2				
		F	01 05						
182	15	ePKPZ	00 35 04					15950	Cote S.de Hokkaido
		eLN	01 25.3					143°5	USCGS 41°½N 143°E
									H 00 15 21
183	15	(P)	14 22 54						
184	16	PZ	03 12(09)						Front.Chili-Argentine
									BCIS Ca.30°S 70°W
									H 03 08.8 h 100
185	16	iPKPZ	16 33 36					16600	Iles Mariannes
		iZ	34 03					149°4	USCGS 125°N 143°E
		iZ	12						H 16 13 56 h 100
		ePKS	37 30						Pas M 6½
186	18	PZ	13 57 18						
		(S)Z	59 24						
		M	14 00.5	5			1		
		F	08						
187	18	iPZ	18 20 52						
		iZ	21 30						
188	19	ePZ	12 56 06						Front.N Argentine Chili.
		i	57 28						
189	20	iPKPZ	03 47 14					15450	Nouvelle Bretagne
		pPKP	27					139°0	USCGS 6°S 149°5E
		iPPZ	50 47						H 03 27 52 h 100
		iPKS	50 50						Pas M 6
		pPPZ	51 03						
		sPPZ	10						
		Les autres phases perdues dans le suivant							
190	20	iS	04 32 10					3230	Costa Rica
		SSN	33 32					29°1	Perturbé par l'arrivée
		SSSE	34 20						terieur
		L	35.6						USCGS 8°5N 83°W
		M	40.0	12	3	4			H 04 21 10
		M	43.5	10	2				
		F	05 15						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					AN	AE	AZ		
			h. m. s.	s.	μ	μ	μ	Km.	
191	21	iPZ	16 37 37						Côte N. du Chili
		iPg	47						BCIS Cs 18°½S 71½
		SN	38 20						H 16 36.7
		SbN	26						
		SgN	34	3	12				
		F	55						
192	22	PZ	05 31 15						
		i(Pg)Z	55						
		iSN	32 45						
		F	37						
193	22	iPZ	17 29 26				C	2700	Front.Colombie-Venezuela
		SN	33 53					24°3	
		iE	36 54						USCGS 7°½N 72°W
									H 17 24 05
194	22	e(P)N	17 37 12						
		L	39 24	12	2				
		M	41.5	9	2				
		F	55						
195	22	iPZ	19 03 00						
196	22	PZ	19 08 26					3700	Côte du Nicaragua
		eSN	13 38					33°3	USCGS 11°5N 86°5W
		LN	18.5						H 19 01 41
		M	23.7	14	3				
		F	40						
197	22	PN	20 33 31					3650	Océan Pacifique
		iPPZ	34 38					32°8	USCGS 36°5S 97°5W
		iSE	38 57	11		5			H 20 26 46
		SSE	40 50						
		iSSSN	41 10						
		L	42.0	12	9	10			
		M	44.0	9	13	12			
		F	21 45						
198	23	iPZ	05 21 32						
199	23	iPZ	17 29 51						
200	24	iPZ	18 11 3(6)						
		iPP	15 44	6			1.5	10860	Iles Bermadec
		iSKSN	22 22	8	4	5	1.5	97°6	USCGS 31°S178°W
		iSKKSN	54	8	3				H 17 57 58
		iPSN	24 34						Pas M 7
		SSNE	29 54						
		SSSE	33 44						
		LN	45.5						
		ML	47.0	23	8	11			
		M	48.7	20	5				
		M	59.0	18	3.5				
		F	19 50						
201	25	PN	15 18 11						
		(S)N	43						
		iN	19 33						
202	25	PZ	20 17 14						
		(S)N	35						
203	25	PZ	20 36 35						Pérou
		iS	39 25						BCIS Ca. 8°S 76°W
		i	57						H 20 33.6
		L	40.5						
		M	41.1	8	2.5				
		F	55						

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AMPLITUDE VRAIE Ae	AMPLITUDE VRAIE Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
204	25	ePZ	21 38 55						N. du Chili
		SN	40 21						BCIS Ca 23°S 70°W
									H 21 37.1
205	26	P	05 25 25					1180	Pérou
		S	27 29					10°6	BCIS 8°½S 75°¼W
									H 05 21 38
206	26	(P)	06 25 25						Côte du Chili
									USCGS H 06 21 56
207	26	iPKPZ	21 00 32	8			21C	18550	NE de Formose
		ipPKPZNE	01 33					166°9	USCGS 25°N 122°5E
		iPKS	03 46						H 20 40 38 h 150
		iPPZN	05 16						Pas M 7¼-7 3/4
		iSKSN	07 10	10					
		iN	10 32	10	9				
		iSKKSN	12 00						
		iPPS	19 00						
		iN	22 04						
		iSSN	26 40	12	13				
		iSSE	27 00	12					
		iN	31 10	14	22	25			
		iSSSN	32 00						
		LN	22 01.2						
		ML	07.8	34	43		54		
		M	16.0	24		83	32		
		M	19.0	24		32	31		
		M	27.0	22	34	20			
		F	23 30 Ca						
208	27	iPZ	10 08 02					16700	Mer de Banda.
		eSS	30.7					150°3	USCGS 7°S 129°E
		eL	11 05						H 09 48 09 h 150
209	28	(PKP)Z	02 04 10					16560	W. de la Nouvelle
								149°0	Guinée
									USCGS 4°S 135°E
									H 01 44 21
210	28	ePZ	05 08 44						
		iSN	09 21						
211	28	iPZ	05 16 56				D		
		iZ	17 48						
212	28	iPZ	11 17 00	6			4C	4250	Front.Mexique-Gua-
		iZ	12					38°2	mala.
		iPPZ	18 36	7			3		USCGS 15°N 93°W
		iPcPZ	19 16						H 11 09 30
		iSE	23 00	10		5			Pas M 6½-6 3/4
		iSSEN	25 32	12	8				
		iSSSNE	26 04	12	12				
		L	28 30	17					
		ML	29 30	17	20				
		M	31.0	18	35	28			
		F	13 30 Ca						
213	30	iPZ	01 07 24						
		iSNE	07 57						
1	30	iPZ	13 34 36	4			4D	5600	Is. Sandwich
		iZ	43					50°4	USCGS 55°5S 26°W
		ipPZ	56	6			3		H 13 25 35
		iSN	41 38						
		isSN	42 18	8	3	3			
		L	51.5						
		M	57.6	15	2	2			
		M	14 00.5	14	2				
		F	20						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AMPLITUDE VRAIE Ae	AMPLITUDE VRAIE Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
215	1	LZN	00 50.0	13	1				
216	1	e(P)?	06 53 07						Prob. à Chili
217	1	PKPZ	07 39 10					16600	W. de la Nouvelle
		eL	08 34					149°4	Guinée
									USCGS 3°½S 135°½E
218	1	e(P)Z	09 25 28						H 07 19 16
		L	40.3						
		M	42.5	12	1	1.5			
		F	55						
219	2	iPZ	08 51 10						
220	3	PZ	04 48 10					3900	El Salvador
		SN	53 34					35°1	USCGS 12°5N 87°5W
		L	05 00.7						H 04 41 24 h 100
		M	02.3	16	3	2			
		M	05.0	14	1.5				
		F	20						
221	4	iPKPZ	07 34 47					14240	Kamchatka
		i	53					128°2	USCGS 52°5N 159°5E
		iPPZ	36 47						H 07 15 43 h 60
		iZ	52	8			6		Pas M 8
		iZ	57				15		
		iSKSN	42 13						
		iSKKSN	44 11						
		iSSN?	54 01	12	38	74			
		iSSSN	59 01	16	32				
		iZ	08 10 05	24			68		
		ML	18.4	28	104		135		
		ML	29.0	30	96				
		M	32.0	26	120				
		M	38.0	20	35				
		F	11 Ca						
222	5	PZ	03 01 02					3600	NE de La Martinique
		SN	06 24					32°4	Trinidad:15°0N 60°6W
223	5	ePZ	05 33 15					1380	Côte du Pérou
		eS	36 14					12°4	USCGS 9°S 78°5W
		L	37 50						H 05 30 15
		M	38.8	8	1.5				
224	7	ePKPZ	00 23 01					15320	Mer de Bismarck
		M	01 28.6	19	1			137°9	USCGS 3°½S 148°½E
		F	02 Ca						H 00 03 24
									Pas M 6-6¼
225	7	LN	13 39.5						
		M	43.6	18	1				
226	7	ePZ	18 18 57					4960	Atlantique Nord
		e	24 00					44°6	BCIS 23°½N 48°W
		SN	25 35						H 18 10 41
		(L)	35						
227	7	ePKP	20 42 51					16950	Ile de Flores
								152°5	USCGS 8°5S 123°5E
									H 20 22 41
228	7	PZ	21 17 54						
		(S)	18 34						
		M	19.1	6	0.5				
229	8	L	00 34.0	20					
230	8	PZ	10 02 05						Atlantique moyen
									BCIS Ca 20°N 47°W
									H 09 54.2
231	8	ePKPZ	11 53 40					14150	Kamchatka
								152°5	USCGS 53°5N 160°5E
									H 11 34 50 h 60
									Pas M 6

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
232	10	PZ	03 19 28						Prob. Nord du Chil
		LN	28.7						
		M	30.0	13	1				
		F	40						
233	10	iPZ	11 08 31						
234	10	iPZ	11 32 02						
		iZ	32						
235	12	iPZ	03 47 16					2860	Front.Panama-Colom.
		eS	53 00					25°7	USCGS 7°5N 77°W
		M	04 00.0	12	1				H 03 42 47
		F	10						
236	12	ePKPN	05 16 36					13650	I. Komandorski
		iPPZ	18 14					122°8	USCGS 54°5N 168°E
		SKSN	23 42						H 04 57 35
		SKKSN	25 12						Pas M 6½
		iPSN	28 12	16	2				
		iN	31 40						
		iSSN	34 50						
		L	54.0						
		ML	59.5	23	5				
		M	06 12.0	20	5				
		M	22.0	18	3				
		F	50						
237	12	iPZ	09 48 46				C	880	Prov. de Salta, Ar
		iZ	54					7°9	tine.
		iPPZ	58						USCGS 23°5S 64°5W
		iZ	49 23						H 09 46 51
		iSE	50 25						Pas M 6 3/4
		M	51.5	6	59				Ressenti au S de l
		F	12 50						Bolivie, Tarija, Tu
238	12	iPZ	10 15 46					650	Bolivie
		M	19.9	9				5°9	USCGS 20°½S 63°½W
									H 10 14 00
239	12	ePZ	12 10 24						Réplique
240	12	PZ	13 06 30					1350	
		iZ	07 16					12°1	
		iS	08 46						
		L	09 12						
		M	10.0	8	2.5	2			
		F	17						
241	12	PZ	18 24 40						Prob. Nord du Chil
		L	26 30						
		M	27.9	8		1			
242	12	ePZ	18 51 50						
		L	54 12						
		M	55.0	8		2			
		F	19 05						
243	12	iPZ	22 01 10						Salta, Argentine
		iZ	01 14						Répl.BCIS H 21 59
		SNE	02 34						
		iE	03 03						
		iL	40	10		10			
		M	04 24	11		26			
		F	23 30						
244	13	(PKS)E	01 22 51					12100	Iles Fidji
		L	02 53					10°9	USCGS 17°S 175°E
		M	06.2	16	1	1			H 01 00 49

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
245	13	ePZ	11 28 41					800	Argentine, Répliq
246	13	ePZ	16 32 45					7°2	USCGS 22°5S 63°5W
		iZ	33 19						H 16 30 48
		iSE	34 07						
		iSSE	36						
		L	35.0						
		M	44	10		27			
		F	17 30						
247	14	ePZ	01 53 54						
		e	54 53						
		F	02 00						
248	14	ePPZ	06 55 08					11290	Crête Meridionale
		iSN	07 01 30					101°6	USCGS 35°5N 24°5E
		L	25.0						H 06 36 57
		ML	32.0	26	4				BCIS 35°1N 24°9E
		M	38.6	26	6				H 06 36 55
		M	42.0	18	2				Pas M 6½
		F	08 20						
249	14	iPZ	20 00 00					380	Front.Chili-Boliv
		iSNE	00 50					3°4	USCGS 20°S 68°W
		SS	01 10						H 19 59 00 h 200
		L	25	8		8			
		M	02.0	8		9			
		F	12						
250	15	PZ	13 10 24						Pérou
		SN	13 59						BCIS H 13 06.0
251	16	iPKPZ	06 35 45					14870	Nouvelle Bretagne
		iPKSZ	39 09	4			2	133°8	USCGS 4°5S 153°5E
		SSN	56 41	14	2	2			H 06 16 23 h 60
		L	07 20.0						Pas M 6 3/4
		ML	24.5	22	2.5				
		M	28.0	20	2.5				
		M	31.5	19	2				
		F	08 25						
252	17	ePZ	12 05 11						
253	18	PZ	01 52 38						
		(S)	54 22						
		M	57.8	9	0.5				
		F	02 05						
254	18	(P)N	17 16 01						
		(S)	17 43						
255	20	iPZ	00 58 12				C	4850	Océan Pacifique Su
		eSNE	01 04 24					43°6	USCGS 23°S 114°W
		L	09.2						H 00 50 03
		M	12.0	7	1.5				
		M	14.8	7	2				
256	20	e(P)	07 07 27						BCIS Cote de l'Eq teur.
257	20	PKP	11 45 39					16950	S. du Hondo, Japon
								152°5	USCGS 32°½N 136
									H 11 26 28 h 450
258	20	ePZ	13 59 19						
259	21	iPZ	11 37 15					1358	Front.Chili-Argen
		iZ	22	7			2.5	12°1	USCGS 28°S 68°W
		iPPZ	34						H 11 34 23 h 60
		iSN	39 41						Pas M 6
		iSSN	40 00						
		L	32						
		M	41.0	8	23	24			
		M	43.0	10	33	41			
		F	13 50						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
260	22	iPZ	05 55 16						
		iS	56						
		F	06 00						
261	22	iPZ	14 55 29						
		iS	56						
262	23	i(P)Z	10 09 56						
		(S)	10 36						
		L	12.6						
		M	13.1	10	1				
		F	20						
263	24	iPZ	00 16 23					4000 36°0	Iles de la Vierge Antilles USCGS 19°5N 64°5W H 00 09 29 Perturbé
264	24	PZ	14 45 30						
		iS	46 02						
265	24	iPZ	19 25 46	5			17D	4950 44°5	Oaxaca, Mexique USCGS 17°5N 97°W H 19 17 40 h 100 Pas M 6 3/4-7
		ipPZ	26 04						
		iPPZ	27 38						
		ipPP	55						
		iSNE	32 10						
		iPSNE	40	8	17	13			
		sSN	33 00						
		SSNE	35 44						
		sSSN	36 18	12	25				
		L	39.5						
		M	42.0	12	13	16			
		M	44.0	12	11				
		F	22 30						
266	25	iPZ	02 12 29						
		SN	13 36						
267	26	PZ	21 45 38					700 6°3	Front. Argentine-Ch BCIS Ca 23°S 68°W H 21 43.1 h 200(?)
		(S)N	47 36						
		M	50.5	9	1				
268	28	eN	03 12 18						
		L	16.0	16	4				
269	28	eN	03 21 35						
		L	[illegible]	14	2.5				
		F	35						
270	28	PZ	04 11 54					2650 23°4	Colombie Bogota 7°1N 73°6W H 04 06 57
271	28	iPZ	13 17 31						
		SN	54						
272	28	iPZ	16 57 36						
		i(S)	58 10						
273	29	iPZ	04 56 00					1750 15°7	Côte N. du Pérou BCIS Ca 7°S 81°W H 04 52.1
		(S)	05 00 15						
		L	01 20						
		F	10						
274	29	iPPZ	11 02 11					12560 113°0	Nouvelles Hebride USCGS 19°S 169°5E H 10 42 48 h 100 Pas M 6½
		PSN	11 51						
		iE	13 10						
		iN	19 39						
		G	30.5						
		L	36.5						
		F	12 Ca						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
275	30	iPZ	03 h. 06 m. s. 59	s.	μ	μ	μ D	790	Prov.Salta,Argenti
		iSN	10 15					7°1	USCGS 22°S 63°W
									H 03 07 03 h 500
276	31	ePKPN	09 47 24						
		iPKSNE	50 53						
		eNE	51 21	8	1				
		(eL)	10 35						
277	1	ePZ	10 41 09						
278	1	PZ	10 52 34						
		SN	53 47						
		iN	54 12						
279	2	PKPZ	02 58 06					18950	Rég. Iles Batan
								170°5	USCGS et BCIS 21°
									121°E H 02 37 46
280	2	eLN	04 13	19	1.5			11580	Iles Tonga
		ML	23.0	16	1.5			104°2	USCGS 25°S 176°E
		M	28.5	16	1				H 03 23 12
281	2	PKPZ	05 17 32					18850	Iles Batan,Philipp
		L	06 38.0	20	2			169°6	USCGS 21°N 121°5E
		M	56.0	16	1.5				H 04 57 18
		F	07 10						
282	2	iPZ	05 48 00				C	2960	Front.Chili-Argent
		iPPZ	54					26°6	USCGS 43°S 72°W
		iSE	52 53						H 05 42 26 h 150
		iSN	57	14	4	5			
		LEN	58.0						
		M	06 02.0	12	4				
		M	08.0	10	3				
283	3	iPZ	03 48 41				C	2480	N. de la Colombie
		iZ	50					22°3	USCGS 4°N 77°W
		iSN	52 40	7	2				H 03 43 42
		LN	54 30						
		ML	55.3	9	2.5	7			
		M	58.0	9		4			
		F	04 20						
284	4	ePN	01 54 00						
		iPZ	07						
		iSZ	55 03						
285	4	ePZ	15 36 25					750	
		S	37 45					6°7	
		L	38.7	11		1			
		M	39.2	10		1			
		F	45						
286	5	PN	12 11 24						
		iPg	29						
		SN	50						
		iSg	56	10					
		M	12 06	10		2			
		F	15						
287	5	PN	15 11 41						
		iS	12 08						
		iSg	14						
		M	36	8		2.5			

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
286	5	PN	12 11 24						
		iPg	29						
		SN	50						
		iSg	56	10					
		M	12 06	10		2			
		F	15						
287	5	PN	15 11 41						
		iS	12 08						
		iSg	14						
		M	36	8		2.5			
288	5	PZ	19 07 37						
		Pb	45						
		Pg	53						
		e(Sn)	08 22						
		(Sg)	48						
		M	10.1	7		2.5			
		F	20						
289	5	e	20 52 28					3750	Côte de Nicaragua
		L	54					33°7	USCGS 12°N 86°½W
		M	58.3	7		1			H 20 37 15 h 100
		F	21 05						
290	7	iPZ	08 49 09						
		iZ	17						
291	7	ePZN	13 48 53					5830	Atlantique
		Les autres phases perdues par une panne						52°5	USCGS ½°N 18°W
		L	14 05.2						H 13 39 38
292	7	iPZ	23 52 00						
		iSN	34						
293	8	iPZ	04 04 22						
		iSN	55						
		Sg	05 05						
		F	10						
294	8	iPZ	04 41 14						
		iSn	41 48						
		iSg	58						
295	8	Pn	14 14 00					850	Côte du Pérou
		Pg	39					7°7	USCGS 14°½S 76°W
		Sn	15 31						H 14 12 05 h 60
		Sg	16 28						
		M	17.3	6	2				
		F	30						
296	11	iPZ	23 34 11					580	Nord du Chili
		iSEN	35 02					5°2	USCGS 21°½S 69°½W
		L	36						H 23 32 47
		M	36 00	6		3.5			
		M	40	7		4			
		F	45						
297	12	ePZ	21 13 46					800	Côte du Pérou
		Sn	14 56					7°2	BCIS Ca 17°½S 76°
		M	15.2						H 21 11.9
		F	25						
298	12	ePN	22 28 18					1030	Côte du Pérou
		SE	29 38					9°2	USCGS H 22 25 53
		L	30.4						BCIS 12°½S 77°W
		M	31.1	6	1	1			H 22 25 55
		F	37						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
299	13	iPZ	22 17 36				C	500	Sud du Pérou
		iEN	39					4°5	USCGS H 22 16 24
		iPb	44						BCIS Ca 17°S 72°½W
		iPg	55						H 22 16.4
		iSn	18 14	6		3			
		iSb	20						
		iSg	28						
		M	19.3	6		4			
		F	25						
300	14	iPZ	00 13 09				C	450	SW de la Bolivie
		S	50					4°0	USCGS 20°5S 68°W
		MZ	24.5	10			55		H 00 11 57 h 100
		M	42.8	11			37		Pas M 7½
		F	03 40						
301	14	ePZ	21 44 10					1000	Côte du Pérou
		SN	45(51)					9°1	BCIS 13°S 77°W
		Sg	46(47)						H 21 41 53
		M	47.5	9	4	6			
		F	22 00						
302	15	ePZ	01 25 42						
303	15	iPZ	02 40 38						
304	15	ePKPZ	02 59 03				D	18520	NW de Formose
		iW	03 00 01					166°7	USCGS 25°N 122°5E
									H 02 38 48
305	16	iPZ	16 57 36						
306	18	iPZ	02 41 30						
		iZ	45					620	Nord du Chili
		iSE	42 36					5°6	BCIS 22°S 69°W
		L	43 08						H 02 40 03
		M	18	7		1.5			
		F	55						
307	18	iPZ	07 00 54				D	6670	Océan Pacifique
		ePPZ	03 08					59°9	USCGS 55°S 129°W
		iSE	09 16	11	1.5	1.5			H 06 50 45
		SSE	13 29						
		L	17.5						
		M	23.4	13		2			
		M	30.0	13		2			
		F	55						
308	18	iPKPZ	15 50 33					14260	E.du Kamchatka
		iZ	40					128°3	USCGS 54°N 160°E
		iPPZ	52 42						H 15 31 25
		iN	16 06 24						Pas M 6 3/4-7
		iN	08 50						
		G	28.0	40	25				
		M	42.0	26	12				
		M	47.0	22	11				
		M	55.0	20	12				
		F	Dans le suivant						
309	18	iPKPZ	16 17 48					14090	E. du Kamchatka
		Les autres phases perdues dans l'anterieur						126°8	USCGS 54°N 161°E
		F	18 30						H 15 58 38
310	19	iPZ	01 43 34				C	2960	S. de Panama
		iPPZ	44 24					26°6	USCGS 6°N 82°5W
		iSN	47 43						H 01 37 51
		SSN	49 30						
		L	52.0						
		M	53.6	13	5.5				

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
311	19	iPZ	20 44 48					6700 60°3	Golfe de Californ USCGS 32°N 40°W H 20 34 40
312	20	ePZ	01 01 50						
313	20	iPZ	08 40 27						
314	20	iPZ	16 52 03				C	6170 55°4	Océan Atlantique USCGS et BCIS 32° 40°W h 16 42 25
315	20	iPZ	21 50 40					950 8°6	
		iZ	51 07						
		iZ	28						
		iSN	52 20						
		SSN	50						
		L	56						
		M	53 12	8	3.5				
		F	22 00						
316	20	ePZ	22 15 07						
		eSN	16 26						
		F	25						
317	21	iPZ	04 07 42					950 8°6	
		iZ	08 12						
		iSN	09 20						
		iSSN	40						
		L	10.0						
		M	10 18	6	6				
		F	17						
318	21	ePZ	09 10 08						
		iZ	28						
		iSZ	11 44						
		F	15						
319	21	iPZ	09 47 10						
		iZ	18						
		SZ	48 20						
		F	55						
320	21	iPZ	14 31 23				D	950 8°6	
		iZ	44						
		iN	32 37						
		iSN	33 00						
		iSSN	28						
		ML	34.3	8	2.5				
321	21	iPZ	14 36 47						
		SN	38 04						
322	21	iPZ	15 03 04				C	500 4°5	S. de la Bolivie USCGS 21°S 67°W H 15 01 45 h 200
		iZN	10						
		iSN	53						
		i	59						
		i	04 10	9	2.5				
		F	15						
323	21	iPZ	19 03 30						
		iSN	58						
		iZ	04 15						
324	22	iPZ	03 26 58					1950 17°5	Nord du Pérou USCGS 4°S 81°W H 03 22 51
		iZ	27 23						
		SN	30 10						
		SSN	31 05						
		L	31 30						
		M	33.0						
		F	40						
325	22	PZ	14 44 40						
		iSN	46 24						
		F	55						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
326	22	iPZ	21 07 02						
327	23	PZ	12 29 44						
		(S)	30 21						
		F	35						
328	23	PZ	14 46 32					8100	W du Nevada
								72°9	USCGS 39°N 119°W
									H 14 35 02
									Pas M 6.2
329	24	iPZ	07 25 13						
		iS	26 05						
		iSg	36	6	2				
		F	35						
330	24	PZ	10 38 59						
		SN	40 41						
		F	45						
331	25	iPZ	06 59 28				D	9400	S. de l'Islande
		eN	07 00 08					84°6	USCGS 62°N 27°5W
									H 06 46 55
332	25	ePZ	15 04 38						
		e(S)	09 32						
		L	12 48	22	6				
		M	14.5	8	2.5				
333	26	e(P)	04 03 06					4400	SW Iles Galapagos
		eSN	08 12					39°6	USCGS 6°S 107°W
		LN	12 12						H 03 55 32
		M	13.5	12	1.5				
		F	35						
334	26	ePZ	13 54 07					1000	Chili
		iZ	17					9°0	BCIS Ca 25°S 70°W
		eSN	56 01	6	2				H 13 52.0 h 100
		M	57.3	7	2				
		F	14 10						
335	26	ePZ	21 20 46						
		iPg	21 05						
		SN	42						
		F	35						
336	27	PZ	19 18 03					10840	S. Is. Kermadec
		ipPZ	42					97°5	USCGS 33°S 179°W
		iPPZ	22 04	6			3		H 19 04 27 h 100
		ipPPZ	24						Pas M 6 3/4
		iSN!	29 30	10	12				
		isSN	44						
		iPSN	30 46						
		iN	31 24						
		iSSN	35 40						
		isSSN	36 12						
		L	40.8						
		ML	46.0						
		M	53.7	18	3				
337	27	iPKPZ	19 31 04					15850	Front.Chine-Russi
		iPPZ	34 12					142°5	USCGS 42°N 80°E
		iSSN	52 50						H 19 11 23
		L	20 22.5						Pas M 6 3/4
		F	45						
338	28	iPZ	00 54 34						
		iS	55 00						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
339	28	iPKPZ	20 03 17					17000	Mer de Sawoe
		iPKP2Z	47					153°0	USCGS 9°5S 122°5E
		iPPZ	07 08						H 19 43 22
		SSN	27 32						
		L	59.6						
		ML	21 04.3	26	4				
		M	10.0	20	2				
		F	40						
340	29	iP	03 58 13						
		iPg	18						
341	29	iPZ	05 12 49						
		iPg	54						
342	29	iPKPZ	07 35 26					14540	Iles Salomon
		iPKSZ	38 52					130°8	USCGS 7°S 155°5 E
									H 07 16 07
343	29	iPKPZ	13 39 40					18020	S. de Mindanao
		iPKPZ	40 28					162°2	USCGS 6°N 126°½E
									H 13 19 47 h 150
344	29	iPg	15 36 04						
		iSg	17						
345	30	PZ	10 35 54					10840	S. Is. Kermadec
		PPN	40 48					97°5	USCGS 34°S 179°W
									H 10 23 17
346	30	iPZ	22 47 24				C	2810	N. de Venezuela
		iSN	52 00					25°3	USCGS 8°5N 71°5W
		M	58 20	10	4				H 22 42 02 h 60
		M	59.0	10	4				Perturbé par le
		F	23 25						suivant.
347	30	iPZ	22 53 00						Perturbé par l'an-
		iSN	55 14						terieur.
		SSN	34						
		SSSN	46						
348	1	iPKPZ	02 45 39				C	16900	Iles Bonin.
		ipPKPZ	47 52	6				152°1	USCGS 28°N 139°5E
		PPZ	49 35						H 02 27 46 h 550
									Pas M 6
349	1	iPZ	10 33 08				C	150	Front.Pérou-Boliv
		iSN	33 37					1°4	USCGS 16°½S 69°½W
		i	43	2	35				H 10 32 29 h 200
		M	34 00	3	30				
		F	50						
350	2	iPZ	09 31 42						
351	2	PZ	11 26 47						
		(S)	27 30						
352	2	iPZ	19 47 51						
		SN	48 40						
353	3	iPZ	03 52 32				C	650	Pérou
		iZ	53 05					5°8	USCGS 14°½S 74°W
		iN	18						H 03 51 06 h 100
		iS	35						
		iN	54 04	6	5.5				
		F	04 10						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
354	3	ePZ	18 06 48						
		(S)	08 12						
355	3	ePKPZ	18 13 40					12440	Nouvelles Hébrides
		iPPZ	14 36					111°9	USCGS 16°S 173°E
		iPKSZ	17 30						H 17 55 10
		iN	23 12						Pas M 6¼-6½
		iPSN	24 50						BCIS 16°1S 172°8E
		iN	25 06	12	3				H 17 55 12
		SSN	31 00	16	1.5				
		L	53.00	20					
		M	19 07.0	16	2				
		F	20 25						
356	3	iPP	18 15 14						Répl. H 17 55 53
357	4	PZ	10 57 42						
		(S)	59 01						
358	5	iPZ	15 55 01					1150	Front.Pérou-Brésil
		ipPZ	41					10°3	USCGS 8°S 74°W
		iZ	57 23						H 15 53 37 h 200
		iSN	58 14						
		iSSN	29						
		L	59 31						
		M	16 00.0						
		F	10						
359	6	iPZ	06 29 41				C		
		iZ	30 09						
		iSN	31 19						
		iN	32 11	7	2				
		F	40						
360	**6**	**iPZ**	**08 30 05**					**750**	**Pérou**
		iSN	32 09					6°8	USCGS 15°½S 75°W
		M	33 31	8	3				H 08 28 20
		F	45						
361	6	iPZ	09 12 59		-	+	D	1300	Chaco, Argentine
		iISN	15 04	6	55			11°7	USCGS 26°5S 61°W
		L	16.2						H 09 10 17 h 600
		M	16.6	7			27		Pas M 6 3/4
		M	17.3	8			23		
362	6	iPZ	09 26 08					1300	Chaco, Argentine
		iIS	28 12	4			> 50	11°7	H 09 23 21 M 6 3/4
		M	30.3	4			43		
		M	37.0	7			23		
		F	12 Ca						
363	7	PZ	00 47 50						
		SN	49 42						
		L	50 32						
		M	51.0	6	1				
		F	55						
364	7	iPZ	05 44 11					670	Bolivie
		i	45 06					6°0	USCGS 21°½S 66°½W
		i(S)	16						H 05 42 45 h 150
		M	48	7			3		
		F	50						
365	7	PZ	09 32 24						
		iZ	30						
		iSN	33 39						
		F	37						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AMPLITUDE VRAIE Ae	AMPLITUDE VRAIE Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
366	7	iPZ	13 31 15					560	SE de la Bolivie
		ipPZ	36					5°1	USCGS 21°½S 67°W
		i	32 04						H 13 29 59 h 200
		iS	14						
		M	42	6			2		
		F	40						
367	9	iPZ	02 34 06				C	550	Côte du Pérou
		PPZ	16					5°0	USCGS 20°S 72°W
		iSN	35 05						H 02 32 40
		iSb	19						
		iSg	41	4	25				
		M	57	6	20				
		F	03 20						
368	9	iPZ	16 06 29		+		C	450	Front.Chili-Boliv
		iPPZ	38					4°1	USCGS 2o°5S 68°W
		iSN	07 09						H 16 05 18 h 100
		M	08.1	6			72		Pas M 6 3/4
		M	10.1	6			54		
		F	18.0						
369	9	iPZ	16 37 37						
		(S)	38 27						
370	10	iPZ	04 12 42					300	Front.Chili-Boliv
		iN	50					2°7	USCGS 19°S 69°W
		iSN	13 24	4	31				H 04 11 40
		iSg	44						
		F	05 00						
371	10	iPZ	05 47 43						
		iZ	50						
		iSN	48 34						
		F	55						
372	11	SKKSN	12 29 03					13160	Océan Indien
		iPSN	31 39					118°4	USCGS 37°S 79°E
		iSSN	38 27	15	1				H 12 01 39
		L	55.8						Pas M 6¼-6½
		ML	13 02.5	25	3				
		M	09.0	20	2				
		M	15.0	20	3				
		M	19.0	17	3.5				
		F	14 25						
373	12	iPZ	15 29 01						
		SN	55						
374	13	e(PKP)Z	12 47 28					12430	Iles Andreanof. A
		iSKSN	54 08					111°9	tiennes
		iPSN	57 36	10	1.5				USCGS 52°N 172°5W
		L	13 24.3	20					H 12 28 45
		M	37.5	20	3				Pas M 6½
		M	47.5	17	2.5				
		F	14 20						
375	13	ePZ	18 10 38						
		Pg	59						
		SN	11 58						
		Sg	12 17						
		F	20						
376	16	PZ	14 37 01						
		iZ	37						
377	17	PZ	17 15 20						
		iPg	26						
		(S)	16 38						
		F	23						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
378	17	PZN	22 57 25					2700	Front.Colombie-Venzuela.
		iSN	23 01 44					24°3	USCGS 7°½N 71°½W
		L	04.2						H 22 52 08
		M	07.2	13	1.5				
		F	17						
379	18	iPKPZ	20 14 51	7			5D	19100	I.Luçon,Philippines
		iZ	15 38					171°9	USCGS 15°5N 120°5E
		iPKP2Z	16 18						H 19 54 57 h 150
		iPKSZ	18 16						Pas M 6½-6 3/4
		iPPZ	20 18						
		iZ	20 32	9			5		
		iZ	21 36						
		iSKKSN	26 46	10	5		20		
		iSSN	40 50		4				
		iSSSN	48 36						
		LZ	21 16,0	24			8		
		LN	22.3	24	8				
		M	37.0	20	5				
		M	40.3	20					
		F	22 35						
380	19	PKPZ	04 02 03					17330	Détroit de la Sonde
		L	05 02.0	20	1		2.5	156°0	USCGS 6°5S 105°E
		M	12.0	20					H 03 42 02
		F	50						
381	19	iPZ	05 06 32						
		(S)N	07 43						
382	19	i!P	15 07 01				D	300	Pérou
								2°7	USCGS 15°S 70°5W
		Très fort							H 15 06 10 h 200
									Pas M 7
383	19	iPZ	15 23 00						
		iZ	24 09						
		iZ	25 36						
384	19	i!PZ	15 37 08					300	Sud du Pérou
		iZ	45					2°7	USCGS 15°5S 71°W
		iZ	38 19						H 15 36 17 h 200
		(M)Z	40.0	8			13		
385	20	e(P)	00 00 28						
		iS	01 04						
386	20	ePZ	00 50(07)					1580	Chili Central
		eSN	53 24					14°2	USCGS 30°½S 71°W
		L	54.5						H 00 46 30
		M	55.5	11	1.5				
		F	01 0.5						
387	20	ePN	01 07 28						
		i(Pg)	35						
		iSN	08 10						
		F	15						
388	20	eN	02 26 24						
389	20	iPKPN	03 00 11					17500	Mer de Java
		PPN	04 26					157°5	USCGS 6°S 111°E
		iNE	15 00						H 02 41 04 h 500
		SSN	25 04						
		SSSN	30 36						
		eL	56.0						
390	20	ePN	18 16(03)						
		iSN	17 23						
391	20	eP	19 49 31						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
392	21	ePZ	09 24 47					3950	Nord de la Républiq
		PP	26 28					35°5	Dominicaine
		iSE	30-32	8		2.5			USCGS 19°N 68°5W
		iSSNE	33 08						Pas M 6
		ML	40.5	14		1.5			
		M	43.6	14		1.5			
		M	46.0	13	1				
		F	10 10.0						
393	21	PZ	09 33 52						
394	21	iPZ	12 37 18					4900	Oaxaca, Mexique
		iZ	42					44°1	USCGS 16°N 98°W
		iSE	43 48	10		2			H 12 29 09
		iSSE	47 06						Pas M 6
		iSSSN	48 14	12	1.5				
		L	49.9						
		M	53.8	15	2	2			
395	21	iPZ	12 58 30				C		
		iSE	13 00 04						
		iSS	24						
		L	36						
		M	01 20	8	5	7			
		F	40						
396	21	P	13 11 40					4900	Réplique, Oaxaca
								44°1	H 13 03 31, Pas M
397	22	ePZ	02 10 37						
398	22	iPZ	03 03 50				C		BCIS, probablemen
		L	15.7						au large de la côt
		F	20						du Chili
399	22	iPZ	04 59 43					4800	Oaxaca, Mexique
								43°2	USCGS 15°5N 97°5W
									H 04 51 30
400	22	iPZ	06 26 42						
401	22	iPKPZ	11 35 39					17700	Détroit des Moluq
								159°3	USCGS 2°N 126°½E
									H 11 15 33
402	22	PZ	18 21(28)						
		(S)	23 04						
403	22	ePKPN	19 42 25					14700	Mer d'Okhotsk
		PPN	44 52					132°3	USCGS 53°N 153°E
									I 19 24 17 h 650
									Berk M 6¾
404	22	ePKPN	23 21 38					14950	Nouvelle Bretagne
		iPKSN	25 18	8			5	134°5	USCGS 5°S 152°5E
		PPP	27 30						H 23 02 27 h 60
		iSKSN	29 02						
		iSKKSN	31 14						
		SSNE	42 15						
		SSSN	47 16						
		L	24 06.7						
		ML	10.0	20	3	5			
		M	14.0	18	3	3.5			
		M	20.0	17	2.3				
		F	25 30						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
405	23	PZ	03 52 48					2250	Colombie
		PPZ	53 10					20°3	USCGS 3°N 71°W
		iSE	56 48						H 03 48 12 h 60
		iE	58 22						BCIS 2°½N 75°3/4W
		L	58.4						H 03 48 10 h 60
		M	59.3	8		3.5			
		M	02.0	9	2.5	5			
		F	25						
406	23	ePZ	04 29 20					2350	Colombie
								21°1	USCGS 3°N 76°½W
									H 04 24 35
407	23	PZ	08 15 12						
		SN	16 46						
		M	18.0	8		1			
		F	25						
408	23	ePZ	17 18 05					6300	Atlantique moyen
		(S)E	25 37					56°7	BCIS 2°S 13°W
									I 17 08.2
409	24	ePZ	01 35 14					8700	N. de Californie
		iSNE	45 15					79°2	USCGS 41°N 125°5W
		eE	56 00	17		2			H 01 23 09
		LN	59.2						Pas M 5 3/4
		M	02 05.0	22	3				
		M	11.0	18	2.5				
		F	45						
410	24	iPZ	05 13 56				C	570	Chili
		Sb	14 34					5°1	USCGS 21°S 70°5W
		iSg	46						H 05 12 40
		iEN	15 16	8		3			
		M	16.0	8		5			
		F	25						
412	24	PKPZ	16 37 32					18050	Front. Indie-Birmanie
		PKP2Z	38 13					162°5	BCIS 23°3/4N 95°E
									H 16 17 43 h 150
413	25	PKPZ	21 40 10					16400	Hondo, Japon
								147°6	USCGS 37°N 140°½E
									H 21 20 35 h 100
414	26	iPZ	12 30 16				D		
		iSN	31 00						
		iSg	20						
		M	50	7	2.5				
		F	40						
415	27	i(P)Z	05 36 52						1500 Km W. des iles Galapagos.
									USCGS H 05 27 45
416	27	ePZ	05 52 12						
		eS	54 51						
417	27	iPZ	08 37 02						
418	28	PZ	01 16 11						
		L	18.7	10	1				Près de la côte du Pérou.
		F	25						BCIS H 01 14.2
419	28	PZ	08 27 27						
		SN	28 46						
420	29	PZ	20 55 43						
		(S)	56 14						
421	30	PZ	02 29 47						
		iN	30 13						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	Ae	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
422	31	iPZ	01 52 36					290	Sud du Pérou
		iS	53 14					2°6	USCGS y BCIS 16°½
		M	53.7	6	4				71°W H 01 51 45
		F	02 05						h 150
423	31	PZ	12 06 02						
		(S)N	07 07						
424	1	iPZ	05 01 51						
		iSN	02 31						
		F	05						
425	1	ePZ	09 44 14						
		i(S)	50						
426	1	iPZ	09 45 50						
		iSN	46 24						
		F	55						
427	1	ePZ	10 04 11						
		iZ	22						
		iSEZ	06 13						
		SSEZ	44						
		L	07 20						
		M	08.3	9	3	4			
		M	09.5	8	3				
		F	15						
428	2	iPZ	02 14 12				D		
		SZ	50						
429	2	PZ	20 17 09						
		i(S)	23 24						
		iNS	25 24						
		M	27.5	8	2				
		M	30.5	10	1.5				
		F	40						
430	3	iPPZ	06 19 32					5600	Caroline du Sud
								50°4	USCGS 33°N 79°5W
									H 06 08 30
431	3	iPZ	10 51 32						
		S	52 48						
		F	11 00						
432	4	iPZ	03 03 20						
		iSN	06 01						
		SS	40						
		L	07.8	10	3				
		M	09.0	8	3				
		F	25						
433	4	PZ	17 01 48						
		(S)	02 50						
434	5	iPZ	06 08 20						
		i(S)	42						
435	5	iPZ	09 12 46				D		
		i(S)	13 25						
436	6	iPZ	07 47 33				D		
		iZ	48 36						
437	6	i!PZ	11 19 40				C		
		iSN	20 57						
438	8	iPZ	02 46 43				D		
		iZ	47 08						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
439	8	iPZ	02 56 51						
		iZ	57 03						
		iZ	44						
		iSN	58 12						
		SSN	38						
		L	59 12						
		M	59.8	7	5				
		F	03 15						
440	10	PZ	02 59 49						
		S	03 00 15						
441	10	ePKP	23 27 32					17950	Shansi Chine
								161°5	USCGS 35°N 111°E
									H 23 07 27
442	11	ePZ	08 16 05					4000	Puerto Rico
								36°0	USCGS 19°5N 65°W
									H 08 09 02
443	11	PZ	22 43 00						
		(S)N	40						
444	12	e(S)N	00 46 16					3660	Côte du Nicaragua
		L	50.7					32°9	USCGS 11°5N 86°W
		M	57.2	14	2				H 00 35 35
		F	01 10						
445	12	iPZ	02 05 04				D	2000	Côte de l'Equateur
		PPZ	20					18°0	USCGS 3°S 80°5W
		iSN	08 34						H 02 00 52
		SSN	45						
		L	10 43						
		M	12 20	8	8				
		F	30						
446	12	iPZ	04 15 23					10150	
								91°3	USCGS 15°S 28°E
									H 04 05 20
447	12	ePZ	10 12 26					11400	Iles Fidji
		iPPZ	16 40					102°6	USCGS 16°5S 177°5
		SKSN	23 16						H 09 58 22
		iPSN	25 48						Pas M 6½
		iN	26 08						
		iSSN	31 32						
		iSSSN	36 20	16					
		L	46.6	30	9		35		
		M	51.0	20	5				
		M	54.5	18	4				
		M	11 04.0	16	3				
		F	12 25						
448	12	ePZ	13 14 16						
		i(S)N	15 22						
449	13	ePN	19 19 20					8950	Côte de l'Oregon
								80°5	USCGS 43°5N 126°5
									H 16 06 59
450	14	PKPZ	04 59 12					17650	Détroit des Moluq
								158°8	USCGS 0°12°5E
									H 04 39 07
451	15	PKPZ	09 17 13					18800	Formose
		iPKP2Z	18				6	169°2	USCGS 23°N 121°E
		iZ	32						H 08 57 04
		iPPZ	19 56						Pas M 6 3/4-7
		iPKSN	20 32						
		iZ	22 28	9			5		

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
451 Suite	15	SKS	09 24 14						
		SKKS	28 52						
		iN	34 36	12	4				
		iSSN	43 00						
		iN	46 30						
		L	10 17.0	40					
		M	33.0	26	31				
		M	53.0	18	20		21		
		F	11 50						
452	15	(P)Z	13 59 06						
		L	14 04.4						
		M	06.0	17					
		F	20						
453	15	PZ	18 32 23						
		SN	35 14						
		L	36 46						
		M	37.8	8	2				
		F	45						
454	16	(SS)	01 59.0	16	2			18860	Formose
		(L)	02 24.0	16	2			169°7	USCGS 22°N 121°E
									H 01 21 05
455	17	ePKPZ	01 22 48					18820	Formose
		L	02 30.3					169°4	USCGS 22°5N 121°E
		F	45						H 01 02 37
456	17	ePZ	07 01 12						
		eN	03 15						
		SN	04 38						
		L	06 12						
		M	07.0	8	1				
		F	15						
457	17	ePZ	12 24 48						
		SN	27 58						
		L	28.2						
		F	35						
458	17	iPZ	19 38 21						
		iSN	49						
459	17	iPKPZ	21 23 58				D	14450	Iles Salomon
		iPPN	26 10					130°0	USCGS 7°5 S 156°E
		iPKSNZ	27 22				-		H 21 04 40
		iPPSN	37 53						Pas M 7¼
		iSSN	43 36	18	4				
		SSSN	48 24						
		G	59.3	40	18				
		L	22 05.5	24			20		
		M	15.0	16	5				
		M	23.5	16	5				
		M	43.7	15	3				
		F	24 Ca.						
460	18	iPKPZ	00 49 44				C	17800	N. des Célèbes
		iPKP2Z	50 25				+	160°2	USCGS 0° 123°E
		PKS	52 52						H 00 30 00 h 200
		ipPPZ	55 04						
		SKS	56 26						
		SKKSN	59 30						
461	18	iPZ	05 25 36				C	8850	Côte de l'Oregon
								79°6	USCGS 42°N 127°W
									H 05 13 30

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
462	18	iPZ	06 48 44					8050	Yellowstone Park
		iZ	50					72°4	USCGS 44°5N 111°W
		iPPZ	51 22						H 06 37 13
		iSN	58 10						Pas M 7.1
		L	07 13.7						
		M	14.5	26	121				
		M	21.0	20	61		70		
		M	25.0	17	65		85		
		F	10 35						
463	18	PZ	08 06 00					8050	Réplique
		iZ	07 44					72°4	USCGS H 07 56 18
464	18	iPZ	08 53 18						Répl.H 08 41 50
465	18	iPZ	11 15 16						Répl.H 11 03 49
466	18	iPZ	15 37 35					8050	Réplique
		iSN	47 00					72°4	USCGS 44°5N 11°W
		PSN	28						H 15 26 06
		SSN	51 36						Pas M 6½-6 3/4
		L	16 00.3						
		ML	04.0	20	4				
		M	09.5	18	4				
		M	14.3	16	4.5				
		F	17 10.0						
467	18	eZ	23 58 42						
		iPZ	59 28						
		iSN	56						
		F	24 10						
468	19	(P)Z	19 17 52						
		(S)N	24 29						
		L	25.0						
		M	25.6	12	5				
		F	20 Ca.						
469	20	PZ	04 22 35						
		iSN	23 23						
		Sg	33						
		M	24.5	6	5				
		F	30						
470	20	iPZ	07 23 04					2190	Côte du Pérou
		PPZ	24					19°7	USCGS 7°S 85°W
		SN	26 44						H 07 18 34
		L	28 24						
		ML	28.8	12	5				
		M	32.0	10	5				
		F	08 15						
471	20	PZ	20 48 48						
		SN	49 36						
472	21	L	08 58.0					12100	S. Australie
		M	09 08.5	18	2			108°9	USCGS 50°5S 139°5
		M	12.6	18	2				H 08 03 15
		F	40						
473	22	iPZ	02 04 20				C		
		L	11 40						
		M	12.0	8	1.5				
		F	20						
474	22	iPZ	10 21 29						
		iSN	22 05						
		iN	19						
		M	22	3	3				
		F	27						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
475	22	ePZ	16 09 41						
		SN	12 21						
		L	13 09						
		M	14.7	11	2.5				
		F	25						
476	22	iPZ	21 28 41		4		C	190	Front.Pérou-Chili
		iPg	47					1°7	USCGS 17°5S 69°5W
		iSN	29 09	2	35				H 21 28 02
		iSg	15						
		F	45						
477	23	iPZ	06 55 46				C		
		SN	56 37						
478	24	ePZ	13 34 20						
		iNZ	40 06						
479	24	PKPZ	21 49 54					13800	Iles Salomon
		iPPZ	51 40					124°2	USCGS 10°5S 161°E
		iPSZ	22 01 49						H 21 30 46
		SSN	08 50						Pas M 7
		L	29.5						
		M	40.8	17	5	5.5			
		M	45.5	16	4.5				
		F	24 25						
480	25	ePZ	06 44 43					1650	
		SN	47 24					14°8	
		iN	34						
		L	48.5						
		M	49.4	5	2				
		F	07 15						
481	25	ePZ	09 00 12						
		SN	02 54						
		L	04.0						
		M	05.0	6	1.5				
		F	20						
482	25	ePZ	12 25 10						Nord du Chili
		eZ	46						USCGS H 12 24 18
		eZ	26 14						
		SN	29 41						
		L	30 24						
		M	31 30	9		10			
		M	32.0	8	6				
		F	13 15						
483	25	ePZ	16 51 23						
		S	54 06						
		L	55.2						
		M	55.5	9	1.5				
		F	17 15						
484	25	PZ	17 54 37					1600	Chili
		iSN	57 13					14°4	USCGS 27°5S 71°W
		L	58.2						H 17 51 49
		M	59.5	10	4				
		F	18 35						
485	25	e(P)Z	23 49 56						
		S	53 01						
		L	53.7						
		M	54.9	9	2				
		F	24 25						
486	26	ePZ	05 00 37						
		eSN	03 13						
		F	15						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
487	26	iPZ	08 33 33		-		C	4820	Vera Cruz, Mexiqu
		iPPZ	35 19					43°4	USCGS 18°N 94°5W
		PPPZ	51						H 08 25 30
		iSN	40 01	14	5				
		iSSN	43 15						
		L	45 07						
		M	49.0	18	17	21			
		M	51.6	18	17				
		M	56.8	16	13				
		F	10 25						
488	26	iPZ	10 40 24				C		
		iZ	34						
489	26	iPZ	10 40 25				C	9720	
		PPN	43 57					87°5	USCGS 51°N 132°W
		SN	51 01	12	3				H 10 27 41
		PSN	52 13						
		L	11 07.3						
		M	19.0	17	3				
		M	25.7	15	6				
		F	40						
490	26	PZ	11 02 58						
491	26	PZ	12 14 35						
		S	16 48						
		L	17.3						
		M	18.7	11		3.5			
		F	40						
492	26	ePZ	19 39 29						
493	27	PZ	02 08 36						
		SN	11 02						
		F	18						
494	27	iPKPZ	08 10 15					17950	N. Iles Célèbes
								161°5	USCGS 0° 122°E
									H 07 50 28
495	27	PZ	13 43 04					3150	
		S	47 43					28°4	USCGS 45°S 80°½W
		L	51.5						H 13 36 50
		M	53.5	10	3				
		F	14 40						
496	28	PZ	07 22 10						
		iSN	25 00						
		F	35						
497	28	iPZ	07 54 32						
498	28	ePZ	08 00 50						
		SN	02 52						
		L	04.0						
		M	06.1	11	5				
		F	25						
499	29	PKPZ	17 22 48					16040	Lac Baikal
		PPZ	26 00					144°3	USCGS 52°N 106°5E
		PKSZ	21						H 17 03 10
		SKSN	29 20						Pas M 6½-6 3/4
		SSN	45 08						
		L	18 13.7						
		G	19.0	30					
		M	23.0	24	8				
		M	34.0	18	2				
		F	19 20						
500	30	i!PZ	00 09 42				D		
		iSN	10 09	3	.8				
		F	15						

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No.	DATE	PHASE	HEURE T.m.G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
501	30	iPZ	04 56 17						
		iSN	57 48						
		F	05 00						
502	30	(PKP)Z	22 04 24					13150	Océan Indien
		eL	43					118°4	USCGS 36°½S 78°½E
		M	23 02.5	17	2				H 21 45 07
503	31	PZ	18 28 09						
		SN	31 34						
		L	32.5						
		M	33						
504	1	ePZ	00 40 26					800	Pérou (prémonitoir
		iZ	27					7°2	USCGS H 00 38 27
		iZ	56						
		i(S)N	42 28						
		i(S)N	46	4	3				
		iSS	43 06						
		L	30						
		M	54						
		F	dans le suivant						
505	1	iPZ	00 54 06					1000	Pérou
		iPPZ	30					9°0	USCGS 11°S 74°5
		i(S)E	55 56						H 00 52 04
		i(S)NE	56 08						
		iSSN	26	3	22				
		iSSSN	40						
		L	57 06						
		M	30	8	18				
		F	01 40						
506	1	iPZ	04 10 10						
		iSN	11 14						
507	1	iPZ	10 56 48					4050	N. de Puerto Rico
		iZ	57 03					36°4	USCGS 20°N 64°5W
		PPZN	10 58 18						H 10 49 43
		SN	11 02 30						
		LE	08.7						
		M	12.0	16		3.5			
		M	13.8	16	4				
		F	40						
508	1	eZ	11 54 06					11050	Albanie
		PPZ	55 32					99°5	USCGS 41°½N 20°E
		SKS	12 01 20						H 11 37 42
		(L)	28.0						
		M	39.5	17	2				
		M	43.0	16	1				
		F	13 Ca						
509	1	PZ	19 17 33						
		SZ	18 15						
510	2	iPZ	09 38 44					4040	Puerto Rico Répl.
								36°3	
511	2	iPZ	14 47 13				D		
		iZ	48						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
512	3	iPKPZ	06 46 32				C	17350	Iles Célèbes
		iPKP2Z	48					156°1	USCGS 4°5S 123°E
		iPPZ	51 38						H 06 27 30
		iSKSN	54 38						
		iSKKSN	58 40						
		iSSN	07 10 14						
		L	46.0						
		ML	51.5	24			6		
		M	08 00.0	20	2		3		
		F	30						
513	3	iPZ	16 10 03						
		i(S)Z	48						
		M	11.1	6	1				
		F	15						
514	4	iPZ	18 35 11				D	5150	Océan Atlantique
		SN	42 10					46°3	USCGS 1°S 24°W
		SSN	45 52						H 18 26 41
		iL	49.5						
		ML	50.6	16	4				
		M	53.3	13	3.5				
		F	19 20						
515	4	PZ	23 29 13					3420	Côte S. du Chili
		iSN	34 30	8	2			30°8	USCGS 47°S 75°W
		L	38.3						H 23 22 56
		M	41.6	14	4				
		M	42.3	12	4				
		F	24 10						
516	5	PKPZ	06 27 46					17450	
		iPPZ	32 20					157°0	USCGS 1°N 129°E
									H 06 07 38
517	5	ePZ	07 13 43					10490	
		e	14 07					94°0	USCGS 62°S 156°E
		SS	31 24						H 07 00 26
518	6	iPKPZ	00 48 07					18000	S. de Mindanao
		iPKP2	54					162°0	USCGS 5°5N 126°5E
									H 00 27 59
519	6	PKPZ	13 38 13					18650	Luçon, Philippines
		PKP2	39 21					167°9	USCGS 13°½N 124°E
									H 13 18 03
520	6	iPZ	18 56 32				C	650	Front. Pérou-Bolivi
		iZN	49					5°9	USCGS H 18 55 09
		i	57 00						h 150
		iSNE	38	3	16	17			
		L	58 20						
		M	59.0	6		8			
		F	19 15						
521	7	iPZ	04 11 48					5200	Océan Atlantique
		e(S)E	18 20					46°8	USCGS 1°S 23°½W
									H 04 03 20
522	8	PZ	05 22 28						
		(S)ZN	23 27						
523	8	iPKPZ	10 23 10					16450	Hondo, Japon
								148°0	USCGS 36°½N 140°E
									H 10 03 29 h 100
524	8	P	13 23 34					8150	Atlantique S. 700
		eZ	24 15					73°4	milles E. Is Bouve
		(L)	48						USCGS H 13 12 04

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LA PAZ - BOLIVIA

SEPTEMBRE 1959

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
525	8	e(PKP)Z	19 39 08					15950 143°5	Hokkaido, Japon USCGS 42°5N 142°5E H 19 19 39
526	8	P	20 27 58					5850 52°6	Iles Sandwich USCGS 58°5S 24°5W H 20 18 37
527	8	P S	20 48 01 49 14						
528	10	PZ iZ S M F	00 58 01 11 35 01 01.0 10	 10	 2.5			330 3°0	
529	10	iPKPZ iPKS	05 54 20 57 52					14700 132°2	Iles Salomon Forte agitation microséismique USCGS 6°5S 154°5E H 05 35 04
530	10	ePZ iZ	11 15 33 49						
531	10	ePZ iZ	16 49 34 50 00						
532	10	iPZ SN iN F	16 57 54 17 00 04 23 05					700 6°3	
533	12	iPZ PbZ PgZ iSN SbZ iSgZ M F	01 42 06 12 19 40 48 56 43.5 02 15	 2 6	 27 33			400 3°6	SW de la Bolivie USCGS 20°S 68°W H 01 41 03 h 150
534	12	ePKPZ L ML M M F	02 13 33 03 00.8 06.0 11.0 43.0 04 Ca	 20 20 20 18	 3 2	 	 5 3.5 2.5	15610 140°5	Mer de Bismark USCGS 3°S 146°5E H 01 53 47
535	12	PKPZ L F	11 43 50 12 32.3 50					14300 128°7	Iles Salomon USCGS 9°½S 156°E H 11 24 27
536	14	e(P)Z LZ	13 29 28 14 02.4					11000 99°0	Iles Tonga USCGS 24°S 176°½W H 13 15 49 Berk M 5 3/4-6
537	14	ePZ iZ iPPZ iSKSN iSKKSN iPS iN iSSE L M M F	14 23 22 42 27 48 33 24 34 05 36 18 32 40 46 56.0 15 08.0 10.0 16 30	 26 18 17	 100 33 43	 112 71	 145 70	10880 97°9	Iles Kermadec USCGS 28°5S 177°W H 14 09 39 Pas M 7 3/4

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE			DISTANCE	REMARQUES
					A_N	A_E	A_Z		
			h. m. s.	s.	μ	μ	μ	Km.	
538	14	iPZ	14 49 07						
539	14	ePZ	17 20 01					10800	Iles Kermadec
		iSN	30 33	8	2			97°2	USCGS 29°S 176°5W
		PSN	32 45						H 17 06 15
		LZ	52.4	20			5		
		M	18 04.7	17	3				
		M	12.0	16	2.5				
		F	45						
540	14	PZ	22 37 36					10850	Iles Kermadec, Rép
		S	48 14					97°6	USCGS H 22 23 53
		iPS	50 32						Berk M 6½
		LN	23 09.8						
		M	21.5	17		2			
		M	30.0	16		2			
		F	50						
541	15	ePZ	00 13 20					10700	Iles Kermadec
		iZ	26					96°3	USCGS 28°5S 177°W
		iPP	17 17						H 05 59 42
		iSKSN	24 00	10	6				Pas M 6½-6 3/4
		iSKKSN	18						
		iPSN	26 10	14	7				
		iSSN	31 00						
		iE	40	16		11			
		SSSN	35 10						
		L	45.3	28					
		M	52.0	18	12	25	13		
		M	07 00.0	17		15	13		
		M	09.0	16	8		12		
		F	09 20						
542	15	ePZ	11 18 14					11460	Iles Fidji
		iZ	36					103°1	USCGS 21°5S 179°5
		iZ	20 44						H 11 05 33 h 600
		iZ	21 12						
		iPPZ	22 56						
		iSKSE	28 14						
		iSKKSE	29 00						
		iPSNE	32 20						
		SSN	37 20						
543	16	ePZ	16 10 44					10800	Kermadec
		iSKSN	21 21	9	1.5			97°2	USCGS 28°½S 176°W
		iPSN	23 26						H 15 57 03
		L	45.0						Berk M 5 3/4-6
		M	51.0	17	1.5				
		F	17 25						
544	17	PZ	14 49 40					10750	Is. Kermadec, Rép
		PPZ	53 44					96°7	USCGS 28°5S 176°
									H 14 36 11
									Berk M 5 3/4-6
545	17	iPZ	21 30 26				C	3125	El Salvador
		PP	31 28					28°1	USCGS 13°5N 88°5
									H 21 24 27 h 60
546	18	iPZ	12 10 26				C	5825	Iles Sandwich
		S	17 46					52°4	USCGS 57°5S 24°W
									H 12 01 11
547	19	iPZ	03 07 21					400	
		iSN	08 02						
		M	16	2	2				

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SEPTEMBRE 1959

LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
548	19	PZ	03 51 43						
		iSN	52 21						
		M	38	3	2				
549	19	ePZ	08 29 39						
		SN	30 16						
550	19	iPZ	13 38 51					600	
		iSN	39 53					5°4	
551	19	e(P)	18 28 24						
552	20	iPZ	01 10 18					400	
		iSN	11 01					3°6	
553	20	iPZ	06 15 55					4650	Océan Pacifique
		iSN	22 18	10	2			41°8	USCGS 13°5S 111°E
		L	26 04						H 06 07 59
		M	28.0	10	7				
		F	50						
554	2k	PKPZ	13 29 34					16900	I. Sumba
								152°1	USCGS 10°S 120°E
									H 13 09 36
555	22	iPZ	06 57 16				C		
		(S)	58 39						
556	22	PZ	11 05 00						
557	23	ePZ	16 29 18					550	
		S	30 14					5°0	
558	23	iPKPZ	22 43 02					16650	Hondo, Japon
		iPKP2Z	15					149°8	USCGS 35°5N 138°5
									H 22 23 11
559	25	iPKPZ	00 34 30					17200	E. de l'île de Ja
		PKP2Z	55					154°8	USCGS 9°S 113°5E
									H 00 14 30
560	25	iPKPZ	02 57 00	6			2C	18800	E. de Formosé
		iPKP2Z	58 12					169°2	USCGS 22°N 122°E
		iPP	03 02 00	8			2		H 02 36 48
		iN	06 30						
		iSKKSN	09 08	10					
		iPPSN	16 34						
		SSN	23 20						
		SSSN	29 40						
		L	58.2	40	12				
		M	04 12.0	30		10			
		M	26.4	20	4				
		F	55						
561	25	iPZ	04 14 30						
		eZ	19 22						
562	25	PZ	08 27 44					900	
		S	29 19					8°1	
563	25	iPZ	22 46 15						
		iSZ	56						
564	26	iPZ	08 33 08					9050	Oregon, USA.
		iPPZ	36 28					81°4	USCGS 43°5N 128°5
		iSN	43 26						H 08 20 51
		PSN	44 20						
		SSN	48 46						
		G	55 06	20	3				
		L	58.5	30					
		M	09 03.2	19		4.5			
		M	10.5	16		3			
		F	40						

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
565	26	iPZ	10 19 37				D	520	Chile
		ipPZ	43					4°7	USCGS 22°S 68°5W
		isPZ	52						H 10 18 20 h 150
		iSN	20 14						
		isSN	25						
		L	36	5	10				
		M	21.6	5	14				
		M	22.5	6	12				
		F	35						
566	27	iPZ	01 04 08				C	400	
		iPg	23					3°6	
		SNE	48	3	8	6			
		iN	05 33	6	2				
		F	12						
567	27	iPZ	08 26 41						
		SZ	27 09						
568	27	ePKPZ	10 40 10					16900	Mer de Banda
		eZ	16					152°5	USCGS 5°½S 129°½E
									H 10 20 18
569	28	PN	01 26 00					420	
		iSN	44					3°8	
570	28	PZ	13 31 52						
		SZ	33 01						
571	29	PZ	07 43 21						
572	29	PZ	15 45 36					10800	Iles Kermadec
		PP	49 32					97°2	USCGS 29°S 176°5W
		iSKSN	56 16	9	2.5				H 15 31 57
		iPSE	58 32	10		3			
		L	16 22.5						
		M	27.0	16		7			
		M	38.0	15	3				
		F	17 30 Ca						
573	30	(PKP)Z	20 44 44					12800	Nouvelles Hebrides
								115°2	USCGS 18°S 168°E
									H 20 25 58
574	30	PZ	22 20 19						
		SN	21 41						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T.m.G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
575	1	ePZ	13 29 18						
576	1	e(P)Z	19 59 20						
577	2	PZ	02 22 05					2650	Colombie
								23°9	BCIS 7°N 72°W
									H 02 16.7
578	2	iPZ	11 24 50						
		iSZ	25 21						
		F	30						
579	2	ePZ	15 26 14						
580	2	e(P)Z	21 38 42						
		i(S)Z	39 14						
		F	45						
581	4	iPZ	00 03 02				D		
		iSZ	04 06						
582	4	iPZ	08 02 18						
		i(S)Z	42						
583	4	iPZ	10 56 52				D	1600	San Juan, Argentine
		iPPZ	57 08					14°4	USCGS 31°S 70°W
		e(S)N	59 28						H 10 53 27 h 150
		iN	11 00 14						
584	4	ePZ	13 52 04						
585	4	iPZ	19 59 26						
586	4	ePZ	22 25 49						Côte du Chili, BCIS
587	5	ePZ	13 56 11						Colombie
588	5	e(P)Z	20 48 20					11040	Albanie
								99°3	USCGS 41°N 20°E
									H 20 34 04
589	6	**iPKPZ**	06 04 20				C	17850	Îles Célèbes
		iPKP2Z	05 07					160°6	USCGS 0°5N 122°5E
									H 05 44 37 h 200
590	7	iPZ	03 28 39				D		
		iZ	29 05						
591	7	iPZ	05 05 44					380	
		iSNZ	06 26					3°4	
		iSbN	06 33						
		iSgN	45						
		F	12						
592	7	PZ	14 23 24						
593	8	iPZ	11 02 09					4030	Haiti
		iZ	17					36°4	USCGS 19°5N 73°5W
		eSEN	07 47						H 10 55 12
594	9	iPZ	08 10 07						
		SZ	11 17						
595	9	iPZ	17 25 02						
		(S)	26 02						
596	9	ePZ	21 21 56					700	
		i(Pg)Z	22 23					6°3	
		iZ	22 42						
		iSN	23 09						
		L	23 31						
		M	24 51	6	5				
		F	35						
597	9	PZ	22 16 41						BCIS, Prob. Argent
598	10	iPZ	00 24 57						
		iZ	25 33						
599	10	PN	12 56 51						
		iZ	57 04						
		SN	19						
600	12	PZ	01 13 19					4320?	Atlantique moyen
		S	19 32					38°9	BCIS 6°N 36°W
		M	33 07						H 01 05.8

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T.m.G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
601	12	iPKPZ	03 41 59				C	17830	Sumatra
		iPKP2Z	42 31					160°5	USCGS 2°N 98°5E
		iSSN	04 07 13						H 03 21 52
		LZ	39.5						
		M	50.2						
		M	58.0						
602	12	iPZ	03 44 30				C	280	Front. Chili-Boli
		ipPZ	39					2°5	USCGS 19°S 68°5W
		iZ	45						H 03 43 44 h 150
		iSN	45 03						
		isSN	46						
		M	45.9	3	53				
		ScSN	59 11						
		F	04 10						
603	12	iPZ	10 02 28						
604	13	eP	03 00 54						
		iS	03 08						
605	13	ePZ	05 49 36						
		(S)Z	51 01						
606	13	iPZ	20 55 51					1490	Côte du Pérou
		PP	56 06					13°4	USCGS 9°S 79°5W
		F	21 10						H 20 52 25
607	14	PZ	12 24 20						
		(S)	26 40						
608	14	PZ	19 07 18						
609	15	iPKPZ	06 35 40					18000	Célèbes
		iZ	44	5			2	162°	USCGS 0°5N 120°5E
		iPPZ	40 10						H 06 15 32
		SKSN	42 45						
		iN	44 01						
		SSNE	07 00 17						
		G	28.0	40					
		LZNE	29.0	24	4	7	8		
		M	50.0	20	4	7	8		
		M	08 02.4	19	5	6	6		
		M	17.0	18		6			
		F	09 Ca						
610	15	iP	07 34 05						
611	15	eP	08 38 15						
612	16	iPZ	01 18 30					1550	San Juan, Argentin
		ipPZ	18 35					14°0	USCGS 30°5S 69°W
		iSN	21 16						H 01 15 08 h 100
		iE	21 47						
		LE	22.4						
		M	23.5	12		1.5			
		F	35						
613	16	ePZ	08 58 22					2680	Colombie
		SE	09 03 28					24°1	BCIS 7°N 74°W
									H 08 53.4
614	17	iPZ	00 24 13				C		
615	17	PZ	02 09 19						
		i(S)N	11 19						
616	17	iPZ	08 47 03				D	8640	Océan Pacifique S
								77°7	USCGS 57°5S 161°W
617	18	ePZ	22 34 37						
		iSN	35 05						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T.m.G.	PERIODE	AMPLITUDE VRAIE An	Ae	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
618	19	ePZ	08 41 11					10930	Iles Kermadec
		iSKS	51 38					98°4	USCGS 27°5S 177°W
		iPSE	53 53						H 08 27 21
		L	09 13.2	14			1		Pas M 6¼
		M	24.0	17	1.5	2			
		F	10 20						
619	19	iPZ	12 38 22						
620	19	iPZ	14 30 20		+	-	C	230	Ressenti a Cochabamba. Epicentre proche à la ville.
		iZ	24					2°1	
		iPP	28						
		iSN	48	1.5	53				
		M	31 04	1.5	65				
		F	50						
621	19	iPZ	14 32 44						Réplique
		iSN	33 12						
622	19	iPZ	16 04 21				D	5380	Iles Sandwich
		PPZ	05 09					48°4	USCGS 54°5S 29°W
		iSNE	11 25	12	5	20			H 15 55 30
		SSSE	15 43						
		L	20.0						
		M	21.8	16		27			
		M	17 38.5	16	1.5				
		F	18 20						
623	20	PN	06 51 23						
		(S)N	52 14						
624	21	iPZ	05 47 33				D		Côte SW de la Colombie?
		eZ	52 05						
		iN	54 03						
		iN	29						
		L	55.0	10	7	8			
		M	56.2	10	8	8			
		F	06 15						
625	21	P)Z	21 15 58						Réplique
		e(S)N	17 13						
		iN	51	10	3				
		iL	18 31						
		M	19.4	8	4				
		F	35						
626	22	PZ	00 05 40						
627	22	eiPZ	02 21 53						
		iS	22 35						
628	22	ePZ	07 34 06					1500	
		eZN	41						
		SN	36 33						
		L	37 25						
		M	37.8						
		F	45						
629	22	iPZ	20 15 22						
		S	16 20						
630	22	iPZ	20 52 09						
631	22	PZ	23 27 38						
		(S)	28 31						
632	22	e(P)Z	23 59 16						Côte SW de la Colombie?
		eZ	24 04 37						
		iN	06 27						
		iN	07 00						
		iL	28	10	14				
		M	08 12	8	15				
		M	54	8	17				
		F	45						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE AN	AE	AZ	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
633	23	iPZ	06 18 52		↓		C	450	Front.Chili-Bolivi
		iZ	19 12					4°1	USCGS 20°5S 68°5W
		iSN	28						H 06 17 54 h 200
		i(SS)N	37	3	12				
		M	53	4	6				
		F	30						
634	23	PZ	09 12 26						Chili
		(S)	13 41						
635	25	iPZ	00 51 33						
		iSN	52 53	8	1.5				
		iSg	53 10						
		F	01 00						
636	25	iPZ	04 56 19					800	Chili
		(S)Z	57 42					7°2	
		F	05 05						
637	25	PZ	07 02 50					7970	Atlantique moyen
								71°7	BCIS 45°0N 28°5W
									H 06 51 18
638	25	PZ	12 49 32						
639	25	iPZ	18 34 55				C	700	Côte du Chili
		iSN	36 07					6°3	BCIS Ca 25°S 73°
		F	45						
640	26	PKPN	07 54 51					16200	Côte E. du Hondo
		PKP2N	58	2	13			145°8	USCGS et BCIS 37°
		pPKP	55 09	5	2				142°½E
		LN	08 46.0						H 07 35 12 h 60
									Pas M 6½
641	27	iPKPZ	07 12 08					15170	Îles Kouriles
		iPKP2Z	27					136°5	USCGS et BCIS 45°½
		iPPZ	14 50						151°0E
		ipPPZ	15 35	10	1				H 06 52 50 h 100
		iN	43						Pas M 6½
		iSSN	32 51	18	3				
		LZN	58.0	26	6				
		M	08 12.0	24	5				
		M	15.0	25	8				
		F	09 15						
642	28	ePZ	09 35 48					1330	
		iZ	36 15					12°0	
		iZ	41						
		iSN	37 58						
		iSSN	38 24						
		iSSSN	37						
		L	51	6	2				
		M	39 31	7	1.5				
		F	50						
643	29	eZ	14 37 48					10800	Îles Kermadec
		eS	44 10					97°2	USCGS 29°½S 176°
		PSZ	46 20						H 14 19 51 h 60
		L	15 06.5	20			3		Berk M 5 3/4
		F	20						
644	29	iPKPZ	14 49 10					16570	Front. Chine-Coré
		iPKP2Z	17					149°1	USCGS 43°N 131°E
		pPKPZ	51 22						H 14 30 24 h 550
									Pas M 6¼
645	29	PZ	21 28 26						
		S	57						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
646	30	iPKPZ	00 52 27					17000 153°0	Îles Carolines USCGS 8°½N 138°E H 00 32 29
647	30	ePKP	04 19 35					14230 128°1	Yakoutsk, URSS. USCGS 66°N 136°½E H 04 00 26
648	30	iPZ iZ iSN L M F	05 24 42 25 00 28 00 29 30 31 18 40	 6 8	 1.5 1.5			1940 17°5	Front.Pérou-Equate USCGS 4°S 80°½W H 05 20 36
649	30	iPZ eL	11 36 50 54.5					5830 52°5	Îles Sandwich BCIS 59°½S 27°W H 11 27 35
650	30	L M	14 47.4 53	17 20			 2.5	10950 98°5	Îles Tonga USCGS 23°½S 175°½W H 13 58 25
651	31	iPPZ	04 44 51					11470 103°2	Îles Fidji USCGS 16°5S 178°W H 04 27 12 h 450 Pas M 6 3/4
652	31	ePZ eZ i	05 06 20 11 46 12 45					2330 21°0	Colombie BCIS 3°0N 76°0W H 05 01 31
653	31	iPZ iSN	06 11 47 13 00						
654	31	ePN SN	16 39 38 40 50						
655	31	ePN L	18 35 56 41.4					2300 20°7	Colombie USCGS 2°0N 77°½W H 18 31 18 h 100
656	2	ePKPZ iZ	09 03 44 48					16560 149°0	Îles Marianes USCGS 22°5N 144°5E H 08 43 54
657	2	ePKPZ iZ iZ L	20 23(05) 20 26 56 21 10					15000 135°0	Nouvelle Bretagne USCGS 5°5S 151°5E H 20 03 32 h 60 Pas M 6 3/4
658	3	ePKPZ	00 52 28					17950 161°5	Détroit des Moluq USCGS 3°5N 126°5E H 00 32 19
659	3	ePZ L M F	06 03 12 18.0 20.0 35	 13	 1			5140 46°3	Atlantique moyen BCIS 1°¼S 24°W H 05 54 45
660	3	iPKPZ iZ iPPZ SKSN iN iSSN L F	10 00 02 32 03 50 07 12 13 25 23 30 56.5 11 35	6 6		5D 2		17000 153°0	S. de Java USCGS 10°5S 111°E H 09 40 05

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
661	4	ePZ	04 19 01						
		SZ	45						
662	4	iPZ	05 14 17				D		
		iSN	15 17						
		F	20						
663	6	PZ	07 35 32						
		S	36 00						
664	6	PZ	11 56 52					10850	Îles Tonga
		eL	12 36					97°2	USCGS 24°S 174°5W
									H 11 43 06
665	7	ePZ	02 44 47					9450	Alger
		ePPZ	48 14					85°0	USCGS 36°5N 2°5E
									H 02 32 07
666	7	iPZ	06 03 20						
		i(S)	06 18						
667	7	LZ	23 03.5					10950	Îles Tonga
		M	11.7	16			2	98°5	USCGS 23°½S 175°½E
		F	25						H 22 16 15
									Pas M 6¼
668	8	iPZ	11 07 21				C		
		iSN	08 19						
		F	12						
669	8	iPKPZ	14 14 34				D	15980	Côte du Hondo, Jap
		iZ	45					143°8	BCIS 43°8N 140°6E
		iZ	15 24						H 13 54 56
		iPPZ	17 49						Pas M 6½
		iZ	18 26						
		LZ	15 05.0						
		M	13.0	20			3		
		F	16 20						
670	8	iPZ	15 50 47				D		
671	9	iPZ	00 14 28					5400	Mexique
		LZ	32.0					48°6	USCGS 18°5N 103°W
									H 00 05 36
672	9	ePZ	04 29 32					7150	Pacifique du Sud
		i(S)N	38 20					64°4	BCIS 57°S 136°W
		L	50.0	20	2				H 04 18 53
673	10	ePZ	09 39 31						
		i(S)	40 19						
674	10	iPZ	11 06 28				D		
		i(S)Z	07 10						
675	11	PZ	01 36 33						Région de Tucuman,
		iSN	38 47						Argentine
									BCIS 01 33.7 h 60(
676	11	PZ	08 59 21						Colombie
		iZ	09 03 54						BCIS Ca 3°0N 73°0W
		iZ	05 11						
677	12	PZ	09 10 14						
		iSN	11 30						
678	12	ePN	10 14 54						
679	12	iPZ	10 40 28						
		i(S)N	41 34						
680	12	iPZ	17 20 12				C		Sud du Pérou
		iSNZ	58						
		L	21 18						
		M	30	8	11				
		F	35						
681	13	iPZ	00 34 46						
		iSN	35 34						
		F	40						

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BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
682	13	iPZ	15 29 52				C		
		iSN	30 21						
		F	35						
683	14	PZ	19 07 05						
		iSN	39						
684	15	iPZ	00 28 43						Antof.eP 00 29 39
		iSN	29 10						iS 30 48
		iN	26						Huanc.iP 00 29 46
		F	37						
685	15	iPKPZ	10 44 44					15660	Tadzhik, Front.Chi
		iPKP2Z	45 02					140°8	Russie
		iPPZ	47 48						USCGS 38°½N 75°0E
		L	11 43.0						H 10 25 07
		M	55.3	20	1.5	3			
		F	12 10						
686	15	iPZ	17 22 32	8			2D	11000	W. de la Grèce
		iPPZ	26 36	8			2.1D	99°0	USCGS 37°5N 20°5E
		iPPPZ	28 36						H 17 08 41
		iNZ	30 12	10	1				Pas M 6½-6 3/4
		iSKSNE	33 02	10	6	8			
		iPSNE	35 26	18		17			
		SSE	40 40						
		L	54.7						
		ML	59.0	30		12			
		M	18 03.0	22		30			
		M	08.0	20	45	45	53		
		M	13.0	18	23	45	44		
		F	19 30						
687	16	iPZ	01 03 42					2060	Front.Chili-Argent
		ipPZ	04 01					18°5	USCGS 35°S 70°W
		isPZ	13						H 00 59 22 h 100
		iSNE	07 10	8	6	5			
		iSSN	44						
		L	09.7						
		M	11.5	10	2				
		F	25						
688	16	iPZ	10 29 34					5000	Océan Atlantique
		iPcPZ	31 13					45°0	moyen
		iPPZ	36						USCGS 1°N 26°5W
		iSNE	36 16	10	3	4			H 10 21 17
		iNE	46						Pas M 6¼-6½
		iSSN	39 47						
		L	41.8						
		ML	45.0	14	10				
		M	47.0	16	16	21	27		
		F	11 Ca						
689	16	PKPZ	24 10 22					16300	Îles Marianes
								146°7	USCGS 18°N 147°E
									H 23 50 35
690	17	ePKPZ	02 51 56					14180	Océan Indien
								127°6	USCGS 11°S 66°5E
									H 02 32 37
691	17	e(P)	03 32 07						
		e(S)	35 44						
		eE	37 27						
		L	39.9	19					
692	17	PZ	11 38 14						
		(S)	42 40						
		L	45.5	8		1			

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	Ae	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
693	17	ePZ	17 43 08					16000	Nouvelle Guinée
		SKSE	50 20					144°0	USCGS 5°S 141°E
									H 17 23 28
694	17	PZ	23 00 10						
		iSNZ	34						
695	19	PZ	08 02 16					2450	Côte de la Colombi
		iZ	08 36					22°0	USCGS 2°N 80°W
		M	14 09	9		1.3			H 07 57 24
696	19	iPKPZ	11 27 56					15550	N.de la Ne. Guinée
		iZ	28 04					140°0	USCGS 5°5S 146°E
		iPPZ	31 28	6			4		H 11 08 41 h 100
		iPKSZ	32 28	8			4		Pas M 7
		iN	33 32	8	2				
		SKSN	35 30						
		iSKKSE	37 40						
		iSSEN	49 20	10	3	3			
		iSSSE	54 00						
		L	12 21.0						
		ML	26.0	21	2				
		M	31.7	18	2	2			
		M	13 06.5	18	1.5				
		F	40						
697	19	ePZ	20 18 20						
		S	46						
698	19	iPZ	22 25 38						
699	19	ePZ	24 06 00					8880	Cote de Oregon
								79°6	USCGS 42°5N 126°5W
									H 23 53 49
700	20	iPKPZ	16 50 42					16780	Mer de Banda
								151°0	USCGS 7°S 129°E
									H 16 30 45
701	20	PZ	19 37 54					5000	Océan Atlantique
		PPZ	39 44					45°0	USCGS 1°N 26°5W
		SE	44 30						H 19 29 38
		SSE	48 06						
		L	54.2						
		M	56.0	16		5			
		F	20 25						
702	21	iPZ	12 15 30		+	-	D	300?	S. du Pérou
		iSE	56					2°7	BCIS Ca 16°S 71°
		iN	16 20						
703	21	ePZ	14 49 42					2680	Colombie
		eZ	56 08					24°1	BOGOTA 7°N 73°6W
									H 14 44 20
704	21	iPZ	16 39 59			+	C		Bolivia
		iSN	40 28	4		11			BCIS Ca 21°S 68°W
		iN	54						H 16 39.0 (?)
		F	55						
705	22	ePZ	02 28 46						
		S	29 02						
706	22	PKPZ	13 07 40					16220	A. de Ne.Guinée
								146°0	USCGS 3°S 140°E
									H 12 47 56
707	22	PZ	16 37 11					7090	S. Océan Pacifique
		PPN	39 40					63°8	USCGS 54°S 136°W
		iSN	45 58						H 16 26 34
		iPSN	46 13						
		L	57.0	20	3				
		M	17 04.0	14		3			
		F	40						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
708	22	PZ	18 46 38						
709	23	PZ	15 28 30						
710	23	iPKPZ	21 26 32					18650	Formose
								167°9	USCGS 24°5N 122°E
									H 21 05 18
711	24	iPZ	09 28 13		↕		C		Epicentre au S
		iZ	29 19						
		iSNE	55	6	6				
		iE	30 02						
		F	35						
712	24	ePEN	20 14(00)					4390	Atlantique moyen
		SN	20 12					39°5	USCGS 7°½N 37°W
		L	27.0						H 20 06 35
		M	32.4	12	2				BCIS 7°N 36°½W
		F	45						H 20 06 33
713	25	iPZ	17 37 46					2680	Cote S. de Panama
		eSN	42 11					24°1	BCIS 2°½N 83°W
									H 17 32.5
714	26	PW	06 09 10					5800	Région Iles Sandwi
		e(S)E	16 31					52°2	BCIS 57°S 25°W
									H 06 00.0
715	26	PKPZ	07 26 30					17350	Sumatra
		PPZ	30 35					156°1	USCGS 5°5S 102°5E
		SKKSN	37 11						H 07 06 19
		SSN	50 31						Pas M 6½
		L	08 21.5						
		ML	24.0	26		12			
		M	28.0	20	5	6			
		M	33.0	18		7			
		F	09 10						
716	26	ePZ	16 44 02						
		iN	46 44						
717	26	PKPZ	23 29 36					17350	Sumatra
		iPKP2Z	30 24					156°1	USCGS 5°5S 103°E
		PPZ	33 40						H 23 09 23
		SKSN	37 12						Pas M 6 3/4
		SKKSN	40 14						
		iSSN	53 20						
		SSSN	59 40						
		LEZ	24 24.3						
		ML	27.0	26		9			
		M	40.0	19		7	5		
		M	25 00.0	26	6				
		F	35						
718	28	ePKP2Z	03 41 20					17960	Is.Riou-Kiou,Japor
								160°5	USCGS 26°N 128°5E
									H 03 20 24
719	28	iPZ	12 38 00				C	1350	Chili
		iPPZ	15					12°1	USCGS 28°5S 71°W
		iSNZ	40 28	9	7				H 12 34 53
		M	41.7	7	22				Pas M 6½
		M	43.5	10	33	52	31		
		F	14 30						
720	29	iPZ	09 24 24						
		(S)	57						
721	29	PZ	14 17 08						
		iZ	48						
722	29	PZ	19 19 02						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
723	29	ePZ	19 28 52					7820	Pacifique Sud
		e(S)N	39 17					70°4	USCGS 57°S 147°½W
		eL	51						H 19 17 40
724	29	ePZ	21 45 40						
		SN	48 52						
725	30	iPZ	21 08 31					880	Front.Chili-Argent
		ipPZ	51					7°9	USCGS 24°5S 68°5W
		S	09 56						H 21 06 30 h 100
726	1	i(P)Z	14 32 59						
727	1	iPZ	15 41 33					1650	San Juan, Argentine
		ipPZ	42 08					14°9	USCGS et BCIS ...
		e(S)N	44 15						H 15 38 07 h 200
728	1	eiPZ	16 29 02				D		
		iZ	14						
		iZ	30 02						
729	2	ePN	07 06(42)					1530	Côtes du Pérou
		S	08 22					13°8	USCGS 9°S 80°W
		L	10.3						H 07 02 52
		M	11.7	8	2				
		F	15						
730	2	e(PKP)N	07 49 10					17420	Sumatra
								156°8	USCGS 5°S 104°E
									H 07 30 05
731	2	PKPN	09 54 10					17700	Celebes
		PKP2N	55 00					159°3	USCGS 1°S 123°E
		SKKSN	10 05 10						H 09 34 00, et mê
		L	53.5						BCIS.
		M	11 08.4	18	2.5				Pas M 6½-6 3/4
		F	40						
732	2	iPKPZ	20 17 37					16100	Nouvelle Guinée
								144°9	USCGS 4°½S 140°E
									H 19 57 55
733	3	iPZ	01 59 34						
734	3	iPZ	02 04 14					5730	Iles Sandwich
		e(S)N	11 24					51°5	USCGS 56°½S 24°½W
									H 01 55 05
735	4	ePZ	01 18 01					11170?	Iles Samoa?
								100°5	USCGS 15°S 174°½W
									H 01 06 13 h 150
736	5	iPZ	03 46 29						
		iPg	34						
		SN	54						
		iSg	47 00						
737	5	PZ	04 46 54						
738	6	PZ	20 10 40						
739	8	iPKPZ	03 19 44					16350	E. du Hondo, Japo
		iZ	56					147°1	USCGS 36°5N 141°5
									H 02 59 56
740	8	PKPZ	04 50 11					17650	Celebes
		PKP2Z	48					158°3	USCGS 1°S 124°E
									H 04 30 06
741	9	PZ	14 33 56						
		iZ	34 12						
		(S)Z	35						
742	10	ePZ	17 21 01						
		(S)	31						

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	Ae	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
743	11	PKPZ	00 51 36					16870	Mer de Banda
		iPKP2Z	52					151°8	USCGS 5°S 130°E
									H 00 31 40
744	11	e(SKKS)R	02 03 54					10950	Rég. Iles Tonga
		eL	25.5					98°5	USCGS 23°S 175°W
									H 01 38 33
745	11	iPZ	10 24 29						
746	11	PZ	14 23 01						
		(S)	34						
747	11	iPZ	22 47 31						
		i(S)N	48 02						
748	12	ePZ	13 10 17						Nord du Chili
									BCIS 13 08.1
749	13	ePKPZ	05 59 32					17050	S. de Java
		ePKP2	06 00 00					153°5	USCGS 9°5S 106°5E
									H 05 39 31
750	14	iPZ	02 32 03				D		
		iSN	40	4	3				
		i	50						
		F	40						
751	14	iPKPZ	18 18 22					18100	S. de Mindanao
		iPKP2	19 13					162°9	USCGS 5°5N 125°5E
		iZ	20 16						H 17 58 33 h 200
		iPPZN	23 16						
		iZ	44						
		SKKSN	29 10						
752	14	PKPZ	22 09 16				C	17750	Célèbes
		PKP2Z	56					159°7	USCGS 1°N 125°E
		PPZ	13 51						H 21 49 10
									Pas M 6
753	14	iPZ	23 31 16		↓	-	C	5640	Iles Sandwich
		iPPZE	33 20					50°8	USCGS 59°5S 31°W
		iSN	38 56	8	18				H 23 21 56
		iPSN	39 16						BCIS 60°½S 27°½W
		LZN	48.0						H 23 21 55
		ML	52.0	24	71		100		Pas M 7
		M	54.0	20	60		42		
		M	24 05.0	16	29				
		F	25 50						
754	15	PKPZ	01 55 15					16480	Iles Mariannes
								148°3	USCGS 17°5N 145°E
									H 01 35 23
755	15	iPKPZ	05 24 05					16450	Iles Mariannes
								148°0	USCGS 17°N 145°E
									H 05 04 14
756	15	ePKPZ	09 50 28					18100	S. de Mindanao
		ePKP2	51 18					162°9	USCGS 5°5N 125°5E
									H 09 30 22
757	15	iPZ	12 25 10				C	5900	Iles Sandwich
		PPZ	27 06					53°1	USCGS 59°S 24°W
		iSNE	32 37						H 12 15 45
		iNE	54						BCIS 60°½S 27°½W
		L	42.5						H 12 15 48
		M	48.5	14		1			
		F	13 10						
758	17	iPKPZ	02 51 16					18900	S. de Formose
								170°9	USCGS 21°5N 121°E
									H 02 31 02

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No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ C	Km.	
759	17	iPZ	16 56 03					3950	O. Pacifique Sud
		iPP	57 26					35°5	USCGS 36°5S 101°5
		iN	58 57						H 16 48 55
		iSEN	17 01 52	12					Pas M 6
		iSSS	04 36						
		iL	06.0						
		M	07.8	9	9	8			
		F	45						
760	18	P	05 14 32					2350	Colombie
								21°1	BCIS 3°½N 75°W
									H 05 10.1
761	18	PPZ	16 44 06					12150	Iles aux Renards
		LZ	17 34.0					109°4	USCGS 53°N 168°5W
		M	42.0	20	1.5				H 16 24 50
		F	18 Ca						Pas M 6½
762	19	iPZ	01 47 46						
		iSN	48 37						
		iSg	46						
		F	53						
763	19	ePZ	06 42 43						
764	19	P	13 53 ?					3960	Front.Haiti-Rép.Do
		LZ	14 08.4					35°6	nicaine
									USCGS 19°N 71°½W
									H 13 46 14
765	19	eP	15 17 22					6830	E. de la Basse Cal
								61°5	fornie
									USCGS 27°½N 112°
									H 15 07 00
766	19	PZ	22 52 29						
767	20	iPZ	08 06 05				C		
768	20	ePZ	16 44 39					3850	Petites Antilles
		(S)N	50 18					34°6	USCGS 17°5N 61°7W
									H 16 37 59
769	20	iPZ	19 09 26						
		iS	10 20						
		L	52						
		F	15						
770	20	ePZ	21 43 12						
771	21	(P)Z	10 33 12					10800	Iles Kermadec
		eZ	34 20					97°2	USCGS 27°5S 176°W
		S	45 00						H 10 20 33
		L	11 06.3						Pas M 6
		M	19.4	17		4.5			
772	21	ePZ	11 27 57					10800	Iles Kermadec
		iSKS	38 36	10	1.5	2		97°2	USCGS 27°5S 176°W
		PSN	40 42						H 11 14 17
		L	59.5						Pas M 6½
		M	12 12.0	18			3		Perturbé par le s
									vant.
773	21	ePKPZ	11 38 20					13650	Golfe d'Aden
		LZ	12 19.0					122°9	USCGS 14°N 52°E
		ML	24.5	26	6		9		H 11 19 14
		M	31.7	20	9				Pas M 6½-6 3/4
		M	35.0	18	7	9			Perturbé par l'an
		F	13 45						terieur.
774	22	iPZ	01 40 04						BCIS , Nord du Ch
		iZ	08						H 01 39.0
		iSN	54						

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
775	22	iPZ	03 04 34	2	↓		78C		Ressenti à Tupiza,
		iZ	51						Bolivie. Quelques
		iSN	05 17	2.5	17				murs tombés.
		iN	25						BCIS Ca 14°S 66°½W
		M	06 12	6	4.5				H 03 03.8 (?)
		F	15						Prob. profond.
776	22	iPZ	08 28 20						
		SN	29 40						
777	22	iPZ	11 39 54						
778	22	iPKPZ	17 40 02					16300	E. du Hondo, Japon
		ipPKPZ	16					146°7	USCGS 37°5N 141°5E
		PP	43 36						H 17 20 19
779	24	ePZ	12 31 31					1000	Côte du Pérou
		iSEN	33 24					9°0	BCIS Ca 13°S 77°W
		M	34.10	6	3.5				H 12 29.5
		F	45						
780	24	iPZ	12 52 19					780	Cangallo, Pérou
		iZ	42					7°0	USCGS 13°5S 74°5W
		iSN	53 40						H 12 50 35
		iSSN	54 00						
		L	54.5						
		M	54.9	8	34	32	31		
		M	56.0	6	26				
		F	13 40						
781	24	PKPZ	13 28 44					18200	N. de Mindanao
		iPKP2	29 28					163°8	USCGS 9°N 126°5E
782	24	iPZ	23 41 53						
		iZ	59						
		iSN	43 40						
		L	44.2						
		M	45.5	6	2.5				
		F	55						
783	25	e(P)Z	04 35 37						
		LZ	47.0						
784	25	iPZ	10 21 00		↓		C	1010	Front.Chili-Argent
		iPPN	12					9°1	USCGS 25°5S 68°½W
		iN	48	4	14				H 10 18 47 h 100
		iN	22 01	5	17				Pas M 6½-6 3/4
		iSE	39						
		SS	46						
		LN	23 06						
		M	23.5	7	33	31			
		M	25.0	5	32				
		F	11 35						
785	25	PZ	16 33 09						
		iZ	33						
786	26	PZ	01 03 02						
		SN	05 06						
		M	06 12	7	1.5				
		F	12						
787	26	PZ	17 03 02						
788	26	PKPZ	22 21 43					14200	Kamtchatka
								127°8	USCGS 53°N 160°E
									H 22 02 35
789	27	PKPZ	07 10 45					14250	Kamtchatka
								128°3	USCGS 52°5N 159°5E
									H 06 51 35
790	27	iPZ	08 46 40						
		i(S)NE	49 13						
		F	55						

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE An	AE	Az	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
791	27	iPKPZ	12 14 09					14220	Kamtchatka
		PPZ	16 08					128°0	USCGS 52°5N 160°E
									H 11 54 48
792	27	iPZ	12 41 58				D	1380	Santiago del Ester
		ipPZ	42 36					12°4	Argentine
		isPZ	43 20						USCGS 28°S 63°W
		iSNE	44 10						H 12 39 09 h 650
		iN	20	3	53	55			
		L	48						
		M	45.8	6	6	6			
		F	13 45						
793	27	iPKPZ	16 12 01					13900	Kamtchatka
		iPPZ	13 56					125°1	USCGS 56°N 162°5E
		iSKSN	19 03						H 15 52 55
		SKKSN	20 42						Pas M 6 3/4-7
		SSN	30 45						
		iN	33 40						
		L	53.0	22			4.5		
		ML	17 03.5	23	7	8			
		M	08.5	20	5	9			
		M	18 04.0	18		4			
		F	35						
794	28	PKPZ	07 39 43					14220	Kamtchatka
		PP	41 45					128°0	USCGS 52°5N 160°E
		PKS	43 16						H 07 20 32
		iPPZ	53 34						Pas M 6½
		SSNE	59 03						
		SSSN	08 04 04						
		L	24.0						
		ML	30.0	26	4				
		M	40.8	20	4				
		M	48.5	18	4		3.5		
		M	09 34.0	18	2	3			
		F	50						
795	28	PZ	10 04 44					660	Front.Chili-Boliv
		ipPNE	52					6°0	USCGS 22°5S 67°5W
		isPNE	05 00						H 10 03 08 h 100
		iSE	06 00						
		iL	18						
		M	38	6	23				
		M	07 00	7	32	35			
796	28	PKPZ	13 33 56					14250	Kamtchatka
								128°3	USCGS 52°5N 160°E
									H 13 04 30
									Pas M 6
797	29	ePKPN	07 24 24					17400	Détroit des Moluq
								156°6	USCGS 2°S 126°E
									H 07 04 14
798	29	iPZ	20 54 16					16500	Iles Mariannes
		iZ	56 06					148°5	USCGS 18°N 145°E
									H 20 35 08 h 356
									Pas M 6-6¼
799	29	iPKPZ	21 47 20					17000	Ile de Flores
		iZ	55					153°0	USCGS 8°5S 122°E
									H 21 27 17
800	30	iPZ	10 40 07						

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LA PAZ - BOLIVIA

BULLETIN SEISMIQUE DE L'OBSERVATOIRE SAN CALIXTO (PP. Jésuites)

No.	DATE	PHASE	HEURE T. m. G.	PERIODE	AMPLITUDE VRAIE A_N	A_E	A_Z	DISTANCE	REMARQUES
			h. m. s.	s.	μ	μ	μ	Km.	
801	30	PZ	11 43 06						
802	30	PZ	15 30 04						
803	30	iPZ iZ	21 27 12 30						
804	31	eZ	10 46 40						
805	31	iPKP iZ	10 48 36 49 22					16250 146°3	N. de la nouvelle Guinée USCGS 3°S 139°5E H 10 29 23
806	31	iPZ iSN F	19 11 18 47 20	3	3		C		BCIS S. de la Bolt. H 19 10.7
807	31	PZ e(L)	21 04 03 27					7500 67°5	Açores BCIS 37°9N 25°2W H 20 52 57

P. M. DESCOTES S. I.
Directeur

RAMON CABRE S. I.
Sous-Directeur

tv.

LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — JANVIER 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W
	0			6			12			18			0			6			12			18			
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	
1	1	0.6	7.0	1	0.5	7.1	1	0.3	7.0	1	0.3	6.6	2	0.4	7.0	2	0.3	6.8	2	0.3	6.8	2	0.3	6.8	
2	1	0.4	6.8	1	0.4	7.0	1	0.4	6.8	1	0.4	6.8	2	0.5	6.8	2	0.5	6.6	2	0.4	6.6	2	0.5	6.6	
3	1	0.5	6.8	1	0.7	6.6		...		1	0.5	6.8	2	0.5	6.8	2	0.6	6.6		...		2	0.5	6.8	
4	1	0.5	7.0	1	0.5	7.0	1	0.4	6.8	1	0.4	6.8	2	0.5	7.0	2	0.5	6.8	2	0.5	6.8	2	0.5	6.8	
5		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
6		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
7		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
8	1	0.4	7.0	1	0.4	7.0	1	0.4	7.0	1	0.4	7.0	2	0.4	7.0	2	0.4	7.0	2	0.4	7.0	2	0.4	7.0	
9	1	0.6	7.0	1	0.5	7.2	1	0.5	7.0	1	0.5	7.0	2	0.5	7.0	2	0.5	7.0	2	0.5	7.0	2	0.5	7.0	
10	1	0.4	7.0	1	0.4	7.0	1	0.4	7.0	1	0.4	7.0	2	0.5	7.0	2	0.3	7.0	2	0.3	7.0	2	0.3	7.0	
11	1	0.3	7.0	1	0.3	7.0	1	0.0			0.0			0.0			0.0			0.0			0.0		
12		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
13	2	0.4	7.0	2	0.4	6.8	2	0.4	7.0	2	0.3	7.0	2	0.2	7.0	2	0.2	7.0	2	0.0			0.0		
14		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
15		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		En réparation
16		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
17		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
18		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
19		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
20		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
21		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
22		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
23		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
24		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
25	1	0.4	6.6	1	0.4	6.6	1	0.4	6.8	1	0.4	7.0	2	0.5	7.0	2	0.5	7.0	2	0.5	7.0		...		
26	1	0.5	7.2	1	0.5	7.2	1	0.5	7.0	1	0.5	7.0	2	0.5	7.2	2	0.6	7.0	2	0.6	7.0	2	0.6	7.0	
27	1	0.5	6.8	1	0.6	6.8	1	0.6	6.6	1	0.5	6.4	1	0.7	7.0	1	0.7	7.0	1	0.7	6.8	1	0.8	6.8	
28	1	0.8	6.6	1	0.6	6.4	1	0.6	6.2	1	0.6	6.6	2	0.7	6.6	2	0.8	6.4	2	0.8	6.6	2	0.9	6.6	
29	2	0.8	6.2	2	0.6	6.0	2	0.6	6.6	2	0.5	6.4	2	0.5	6.0	2	0.6	6.4	2	0.5	6.4	2	0.5	6.4	
30	2	0.5	7.0	2	0.5	7.0	2	0.5	7.0	2	0.5	7.0		...		2	0.7	6.6	2	0.7	6.8	2	0.8	7.0	
31		...		2	0.4	7.0	2	0.3	6.8	2	0.3	6.8		...		2	0.5	7.0	2	0.5	6.6	2	0.5	6.6	

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LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — FEVRIER 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W
	0			6			12			18			0			6			12			18			
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	
1	1	0.7	7.4	1	0.7	7.6	1	0.8	7.8	1	0.8	8.0	2	0.5	7.4	2	0.5	7.8	2	0.7	7.8	2	0.6	6.8	
2	1	0.9	8.0	1	1.2	8.0	1	1.5	8.2	1	1.6	8.0	1	1.2	8.0	1	1.2	8.0	1	1.3	8.0	1	1.3	8.0	
3	1	1.6	7.8	1	1.6	7.8	1	1.5	7.8	1	1.5	7.6	1	1.1	7.9	1	1.2	7.8	1	1.0	7.6	1	1.0	7.6	
4	1	1.4	7.2	1	1.4	7.2	1	0.8	7.0	1	0.9	7.0	1	0.9	7.2	1	0.8	7.0	1	0.7	7.0	1	0.7	6.8	
5	1	0.8	7.0	1	0.8	7.0	1	0.8	7.0	1	0.7	6.8	1	0.6	7.0	1	0.7	7.0	1	0.7	7.0	1	0.8	7.0	
6	1	0.5	6.6	1	0.5	6.6	1	0.5	6.8	1	0.4	6.2	2	0.5	6.8		...		2	0.5	6.6	2	0.5	6.8	
7		...			...			...			...		2	0.7	6.8	2	0.8	6.8		...		2	0.5	6.4	
8		0.0			0.0			0.0			0.0		2	0.5	6.0	2	0.5	6.0	2	0.4	6.0	2	0.4	6.0	
9	2	0.5	6.0	2	0.5	6.0	2	0.6	6.0	2	0.5	6.0	2	0.7	6.0	2	0.5	5.8		0.0			0.0		
10	2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		
11	2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		
12	2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		
13	2	0.0		2	0.0		2	0.0		2	0.0		3	0.0		3	0.0		3	0.0		3	0.0		En réparation
14	2	0.0		2	0.0		2	0.0		2	0.0		3	0.0		3	0.0		3	0.0		3	0.0		
15	2	0.0		2	0.0		2	0.0		2	0.0			0.0			0.0			0.0			0.0		
16	2	0.0		2	0.0		2	0.0		2	0.0			0.0			0.0			0.0			0.0		
17	1	0.6	6.8	1	0.6	7.0	1	0.8	6.8	1	0.8	7.0	1	0.6	6.6	1	0.6	7.0	1	0.7	6.8	1	0.7	7.0	
18	1	0.6	7.0	1	0.5	6.8	1	0.0		1	0.0		2	0.5	7.0	2	0.5	7.0	2	0.4	7.0	2	0.0		
19		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
20		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
21		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
22		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
23		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
24		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
25	1	0.4	6.8	1	0.5	7.0	1	0.5	6.8	1	0.6	6.8	2	0.5	6.8	2	0.4	6.8	2	0.4	6.8	2	0.5	6.8	
26	1	0.8	6.8	1	0.6	6.7	1	0.6	6.6	1	0.6	6.8	2	0.6	6.8	2	0.7	6.6	2	0.7	6.8	2	0.7	6.8	
27	1	0.8	7.0	1	1.2	7.2	1	1.2	7.2	1	1.1	7.0	1	0.8	6.8	1	0.8	7.0	1	0.9	7.2	1	1.0	7.0	
28	1	1.0	6.6	1	1.0	6.4	1	0.8	6.8	1	1.0	6.8	2	0.8	6.6	2	0.9	6.8	2	1.0	6.8	2	0.9	6.6	

International Seismological Centre
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LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — MARS 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W											
	0			6			12			18			0			6			12			18			0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	
1	1	0.6	6.8	1	0.6	6.8	1	0.8	7.0		...		1	0.8	6.8	1	0.9	7.0	1	0.9	7.0		...													
2	1	1.0	7.0	1	1.1	7.0	1	...		1	1.2	7.2	1	1.0	7.0	1	1.2	7.0	1	...		1	1.3	7.0												
3	1	1.2	7.0	1	1.4	7.2	1	1.2	7.0	1	1.1	7.0	1	1.2	7.0	1	1.1	7.0	1	1.0	7.0	1	1.0	7.0												
4	1	1.2	7.0	1	1.4	7.0	1	1.2	7.0	1	1.1	7.0	1	0.8	7.0	1	0.8	7.0	1	0.7	6.8	1	0.7	6.8												
5	1	0.9	7.0	1	1.0	7.0	1	1.0	7.0	1	1.0	6.8	2	0.8	7.0	2	0.8	6.8	2	0.8	6.8	2	0.7	6.6												
6	1	0.9	6.8	1	0.7	6.6	1	0.5	6.6	1	0.5	6.2	2	0.8	6.2	2	0.7	6.2	2	0.8	6.2	2	...													
7	1	0.6	6.2	1	1.1	6.2	1	1.3	6.6	1	...		1	0.8	6.4	1	0.8	6.2	1	0.8	6.2	1	...													
8		...			...			0.7	6.0		0.5	6.0	2	0.7	6.0	2	0.8	6.2	2	0.6	6.0	2	0.6	6.0												
9	3	1.0	6.6	3	0.8	7.0	3	0.8	6.6	3	0.8	6.6		0.8	6.4		0.9	6.6		0.8	6.4		0.8	6.6												
10	3	0.8	7.0	3	0.8	6.6		...		3	0.5	6.6	3	0.9	6.4	3	0.8	6.4	3	0.8	6.5	3	0.8	6.6												
11	3	0.5	6.4		...			...			...		3	0.5	6.5	3	0.5	6.2	2	0.5	6.2	3	0.5	6.2												
12		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0													
13		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0													
14		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
15		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
16		0.0			0.0			0.0			0.0		3	0.3	6.8	3	0.3	6.6	3	0.4	6.8	3	0.4	7.0	3	0.4	6.6	3	0.4	7.0	3	0.5	7.0	3	0.6	7.0
17	1	7.0	6.8	1	7.0	6.8	1	0.5	6.6	1	0.5	6.8	3	0.5	7.0	3	0.7	7.0	3	0.6	6.8	3	0.6	6.4	3	0.9	7.0	3	0.8	6.8	3	0.7	6.8	3	0.8	6.6
18		0.0			0.0			0.0			0.0		3	0.5	6.6	3	0.5	6.4	3	0.5	6.2		...		3	0.7	6.6	3	0.6	6.4	3	0.6	6.4	3	0.6	6.4
19	1	0.4	6.2	1	0.5	6.2	1	0.5	6.2	1	0.5	6.4	2	0.6	6.2	2	0.6	6.0	2	0.6	6.0	2	0.6	6.2	2	0.6	6.4	2	0.7	6.4	2	0.7	6.2	2	0.7	6.2
20	2	0.5	6.0	2	0.5	6.0	2	0.5	6.2	2	0.5	6.2	2	0.5	6.0	2	0.5	6.0	2	0.5	6.4	2	0.5	6.4	2	0.6	6.0	2	0.6	6.0	2	0.6	6.0	2	0.6	6.2
21	2	0.5	6.0	2	0.5	6.2	2	0.5	6.4	2	0.5	6.2	2	0.6	6.2	2	0.6	6.4	2	0.6	6.6	2	0.6	6.6	3	0.6	6.6	3	0.6	6.6	3	0.6	7.0	3	0.6	7.2
22	1	1.0	7.2	1	...			...		1	1.4	8.0	1	0.7	7.2		...			...		1	1.0	7.8	3	0.9	7.6		...			...		3	1.2	7.8
23	1	1.2	7.4	1	1.4	7.4	1	1.5	7.2	1	1.6	7.2	1	1.0	7.4	1	1.0	7.2	1	1.0	7.4	1	1.0	7.2	1	1.2	7.6	1	1.2	7.4	1	1.2	7.2	1	1.2	7.2
24	1	1.4	7.4	1	1.2	7.2	1	1.2	7.0	1	1.1	7.0	1	0.9	7.0	1	0.8	6.8	1	0.9	6.8	1	0.8	7.0	1	1.2	7.2	1	1.1	7.0	1	1.1	7.0	1	0.8	7.0
25	1	0.8	6.4	1	0.6	6.2	1	0.6	6.2	1	0.4	6.4	1	0.6	6.4	1	0.7	6.4	1	0.5	6.4	1	0.4	6.6	1	0.5	6.4	1	0.5	6.2	1	0.5	6.0	1	0.4	6.0
26	1	0.5	6.4	1	0.5	6.6		...		1	0.5	6.0	3	0.3	6.2	3	0.3	6.0	3	0.3	6.2	3	0.3	6.2	3	0.3	6.0	3	0.3	6.2		...		3	0.3	6.2
27	3	0.3	6.2	3	0.3	6.0	3	0.4	6.0	3	0.4	6.0		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
28	3	0.0		3	0.0		3	0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
29	3	0.3	6.2	3	0.4	6.4	3	0.4	6.6	3	0.4	7.2	3	0.2	6.2	3	0.2	6.6	3	0.2	6.2	3	0.2	6.2	3	0.3	6.4	3	0.3	6.8	3	0.3	7.2	3	0.3	7.6
30	1	0.5	7.0	1	0.6	7.0	1	0.8	7.6	1	1.1	7.4	1	0.5	7.0	1	0.7	7.0	1	0.8	7.4	1	0.9	7.4	1	0.4	7.2	1	0.6	7.2	1	0.7	7.0	1	1.0	7.2
31	1	1.6	7.4	1	1.5	7.4	1	1.6	7.4	1	1.6	7.2	1	1.0	7.2	1	1.1	7.0	1	1.0	7.2	1	1.2	7.0	1	1.0	7.2	1	1.0	7.2	1	1.2	7.2	1	1.3	7.0

International Seismological Centre
From the ISC collection scanned by SISMOS

LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — AVRIL 1959

Instrument Galitzin- Wilip — Agitation microséismique — Observatoire San Calixto

Z

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	1	0.8	7.0	1	1.0	7.0	1	0.8	7.0	1	0.8	7.0
2	1	1.0	6.8	1	0.8	7.0	1	1.0	7.0	1	0.9	6.8
3	1	0.6	6.4	1	0.6	6.0	1	0.5	6.0	1	0.5	6.0
4	1	...	6.0	1	1.3	6.0	1	1.2	5.8	1	0.9	5.8
5	1	0.9	6.0	1	1.2	5.8	1	0.9	5.8	1	0.9	5.8
6	2	0.6	6.0		...		2	0.6	5.5	2	0.4	5.6
7	2	0.4	6.0	2	0.0		2	0.4	6.0	2	0.0	
8		0.0			0.0			0.0			0.0	
9		0.0			0.0			0.0			0.0	
10		0.0			0.0			0.0			0.0	
11		0.0			0.0			0.0			0.0	
12		0.0			0.0			0.0			0.0	
13		0.0			0.0			0.0			0.0	
14	2	0.4	6.8	2	0.3	6.6	2	0.3	6.4	2	0.3	6.4
15	2	0.4	6.0	2	0.4	6.0	2	0.3	6.0	2	0.3	6.0
16	2	0.3	6.2	2	0.3	6.0	2	0.3	5.8	2	0.3	5.6
17	2	0.2	6.2	2	0.2	6.2	2	0.2	6.2	2	0.2	6.2
18	2	0.5	6.8	2	0.6	7.0	2	0.6	7.0	2	0.6	7.0
19	2	0.6	6.4	2	0.6	6.8	2	0.8	7.0	2	0.8	7.0
20	1	0.8	7.0	1	0.8	7.0	1	0.8	6.8	1	0.8	6.8
21	1	0.6	6.4	1	0.7	6.0	1	0.7	5.8	1	0.7	6.0
22	2	0.4	6.0	2	0.3	6.0		0.0			0.0	
23		0.0			0.0			0.0			0.0	
24		0.0			0.0			0.0			0.0	
25		0.0			0.0			0.0			0.0	
26		0.0			0.0			0.0			0.0	
27		0.0			0.0			0.0			0.0	
28	1	0.4	5.6	1	0.4	5.6		0.0			0.0	
29		0.0			0.0			0.0			0.0	
30		0.0			0.0			0.0			0.0	

N-S

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	1	1.0	7.0	1	1.0	7.0	1	0.8	7.0	1	0.6	7.0
2												
3												
4												
5												
6												
7												
8					En réparation							
9												
10												
11												
12		0.0			0.0			0.0			0.0	
13	2	0.4	7.0	2	0.3	7.0	2	0.2	7.0	2	0.3	7.0
14	2	0.2	6.0	2	0.3	6.6	2	0.3	6.4	2	0.3	6.4
15	2	0.2	6.0	2	0.2	6.0	2	0.3	6.0	2	0.3	6.0
16	2	0.2	6.0	2	0.3	6.0	2	0.3	6.0	2	0.3	6.0
17	2	0.4	6.2	2	0.4	6.0	2	0.4	6.0	2	0.4	6.0
18	3	0.5	6.8	3	0.5	7.0	3	0.5	7.0	3	0.5	7.0
19	3	0.5	6.8	3	0.6	7.0	3	0.8	7.0	3	0.8	7.0
20	1	0.8	6.8	1	0.8	6.7	1	0.8	6.5	1	0.8	6.6
21	1	0.6	6.4	1	0.5	6.0	1	0.5	6.0	1	0.5	6.0
22	3	0.3	6.2	3	0.2	6.0		0.0			0.0	
23		0.0			0.0			0.0			0.0	
24	3	0.4	5.2	3	0.5	5.0	3	0.4	5.2		0.0	
25		0.0			0.0			0.0			0.0	
26	3	0.3	6.6	3	0.2	6.2	3	0.3	6.0	3	0.2	6.0
27		0.0			0.0			0.0			0.0	
28		0.0			0.0			0.0			0.0	
29		0.0			0.0			0.0			0.0	
30		0.0			0.0			0.0			0.0	

E-W

	0			6			12			18	
	K	A	T s.	K	A	T s.	K	A	T s.	K	A
1	1	0.9	7.0	1	1.2	7.0	1	1.2	7.0	1	1.0
2	2	0.9	7.0	2	0.7	6.8	2	0.7	6.6	2	0.6
3	2	0.6	6.0	2	0.7	6.0	2	0.7	6.0	2	0.7
4	2	0.6	6.0		...		2	0.7	6.0	2	0.6
5	2	0.7	6.0	2	0.9	6.0	2	1.0	6.0	2	0.7
6	2	0.4	5.4	2	0.4	5.5	2	0.4	5.5	2	0.5
7	2	0.3	6.0	2	0.0			0.0			0.0
8		0.0			0.0			0.0			0.0
9		0.0			0.0			0.0			0.0
10		0.0			0.0			0.0			0.0
11		0.0			0.0			0.0			0.0
12		0.0			0.0			0.0			0.0
13					En réparation						
14											
15											
16											
17											
18											
19	2	0.8	7.0	2	0.9	7.0	2	0.9	7.0	2	1.0	6.0
20	1	0.9	7.0	1	1.0	7.0	1	0.9	6.8	1	0.9	6.6
21	2	0.8	6.2	2	0.7	6.2	2	0.8	6.0	2	0.8	6.2
22	3	0.3	6.2	3	0.2	6.0	3	0.0			0.0	
23		0.0			0.0			0.0			0.0	
24		0.0			0.0			0.0			0.0	
25		0.0			0.0			0.0			0.0	
26	3	0.4	6.2	3	0.3	6.0	3	0.4	6.0	3	0.4	6.0
27		0.0			0.0			0.0			0.0	
28		0.0			0.0			0.0			0.0	
29		0.0			0.0			0.0			0.0	
30		0.0			0.0			0.0			0.0	

International Seismological Centre
From the ISC collection scanned by SISMOS

LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — MAI 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W											
	0			6			12			18			0			6			12			18			0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A
1		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0
2		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0
3		0.0			0.0			0.0			0.0		3	0.2	5.0	3	0.2	5.2	3	0.2	5.2		0.0			0.0			0.0			0.0			0.0
4	3	0.3	5.4	3	0.3	5.6	3	0.3	5.6	3	0.3	5.6	3	0.3	5.3	3	0.3	5.4	3	0.3	5.8	3	0.3	6.0	3	0.3	5.0	3	0.3	5.2	3	0.3	5.2	3	0.3
5	3	0.4	6.0	3	0.4	6.2	3	0.4	6.2	3	0.4	6.4	3	0.3	5.2	3	0.3	5.4	3	0.3	5.6	3	0.3	5.8	3	0.4	6.0	3	0.4	6.0	3	0.4	6.1	3	0.4
6	1	0.6	7.0	1	0.6	7.0	1	0.6	7.0	1	0.6	7.0	1	0.4	7.0	1	0.4	7.0	1	0.4	7.0	1	0.4	7.0	1	0.6	7.0	1	0.6	7.0	1	0.5	6.8	1	0.6
7	3	0.4	7.0	3	0.4	7.0		...		3	0.3	6.8	1	0.2	7.0	1	0.2	7.0	1	0.2	7.0	1	0.2	6.8	3	0.6	6.8	3	0.5	6.8	3	0.5	6.6	3	0.5	6.0
8	3	0.3	6.6	3	0.3	6.3	3	0.0			0.0		3	0.3	6.6	3	0.3	6.2		0.0			0.0		3	0.3	6.6	3	0.3	6.5		0.0			0.0
9	3	0.3	6.8	3	0.4	6.8	3	0.3	7.0	3	0.3	7.0	3	0.3	7.0	3	0.5	6.8		0.4	6.8	3	0.4	7.0	3	0.5	6.6	3	0.5	6.6	3	0.5	6.6	3	0.5
10	2	0.4	6.4	2	0.5	6.8	2	0.5	6.4	2	0.5	6.4	3	0.5	6.6	3	0.5	6.4	3	...		3	0.4	6.4	3	0.6	6.4	3	0.6	6.0	3	0.6	6.6	3	0.6
11	3	0.5	6.4	3	0.5	6.2	3	0.5	6.2	3	0.7	5.8	3	0.4	6.2	3	0.5	5.8	3	0.4	5.6	3	0.5	5.6	3	0.6	6.4	3	0.6	6.0	3	0.6	5.8	3	0.6
12	1	0.9	6.0	1	0.7	6.2		...		1	0.5	6.0	2	0.5	6.0		...			...			...		2	0.6	6.0		...			...		2	0.6
13	2	...		2	0.9	6.0	2	0.7	6.0	2	...		3	...		3	0.5	6.2	3	0.4	6.6	3	0.4	6.4	3	...		3	0.6	6.2	3	0.6	6.4	3	0.6
14	1	0.6	6.6	1	0.5	6.8	1	0.5	6.8	1	0.5	7.0	3	0.4	6.8	3	0.3	6.6	3	0.4	6.8	3	0.4	6.6	3	0.6	6.8	3	0.5	6.8	3	0.5	6.8	3	0.6
15	1	0.5	7.0	1	0.6	7.0		...		1	1.0	7.2	3	0.5	7.0	3	0.5	7.2	3	0.6	7.0	3	0.7	7.0	3	0.6	7.0	3	0.6	7.0	3	0.9	7.0	3	1.1
16	1	1.2	7.4	1	1.3	7.2	1	1.3	7.2	1	1.3	7.2	1	1.0	7.0	1	1.0	7.0	1	1.2	7.0	1	1.0	7.0	1	1.2	7.0	1	1.2	7.0	1	1.4	7.0	1	1.5
17	1	1.2	7.0	1	1.2	7.0	1	1.0	6.8	1	0.9	6.8	1	0.8	7.0	1	0.7	6.8	1	0.6	6.6	1	0.6	6.8	1	1.2	7.0	1	1.4	7.0	1	1.2	6.8	1	0.8
18	1	0.7	6.6	1	0.7	6.6	1	0.6	6.8	1	0.6	6.8	3	0.5	6.4	3	0.5	6.6	3	0.4	6.4	3	0.4	6.4	3	0.6	6.5	3	0.7	6.4	3	0.6	6.6	3	0.5
19	2	0.5	6.0	2	0.4	5.8	2	0.4	6.0	2	0.4	5.8	2	0.5	6.5	2	0.4	6.4	2	0.3	6.5	2	0.3	6.0	3	0.6	6.4	3	0.6	6.0	3	0.6	6.0	3	0.6
20	2	0.5	6.0	2	0.7	5.8	2	0.7	5.8	2	0.9	6.0	2	0.5	6.0	2	0.5	5.6	2	0.5	6.0	2	0.5	5.8	3	0.7	6.0	3	0.7	6.0	2	0.7	6.2	3	0.7
21	1	1.1	8.0	1	0.8	7.6	1	0.9	7.6	1	0.7	7.8	3	0.8	8.0	3	0.8	7.8		...		3	0.6	7.0	1	1.0	8.0	1	1.2	8.0		...		1	1.0	7.6
22	1	0.7	7.6	1	0.7	7.6	1	0.6	7.2	1	0.6	7.2	2	0.6	7.2	2	0.5	7.2	2	0.5	7.0	2	0.5	7.0	1	0.7	7.2	1	0.6	7.2	1	0.6	7.2	1	0.6
23	2	0.5	7.0	2	0.4	7.0	2	0.4	7.0	2	0.3	7.0	2	0.0			0.0			0.0			0.0		2	0.0			0.0			0.0			0.0
24		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0
25	2	0.2	6.2	2	0.0			0.0			0.0		2	0.0			0.0			0.0			0.0		2	0.0			0.0			0.0			0.0
26	1	0.5	7.0	1	0.5	7.0	1	0.6	7.0	1	0.8	7.0	2	0.3	7.0	2	0.3	7.0	2	0.3	6.8		...		2	0.5	7.0	2	.5	7.0	2	0.5	7.0	2	0.6
27	1	0.8	7.4	1	1.0	8.0	1	1.4	8.0	1	1.6	8.0	1	1.6	7.8	1	1.5	7.8	1	1.4	7.6	1	1.4	7.4	2	1.0	7.8	2	0.9	7.6	2	1.0	7.8	2	0.9
28	1	1.6	7.8	1	1.5	7.8	1	1.4	7.6	1	1.4	7.4	2	1.0	7.8	2	0.9	7.6	2	1.0	7.8	2	0.9	7.8	2	1.2	7.4	2	1.2	7.2	2	1.2	7.2	2	1.2
29	1	1.1	7.0	1	0.8	7.0	1	0.8	7.0	1	0.8	6.8	2	0.6	7.0	2	0.5	7.0	2	0.5	6.8	2	0.5	6.8	2	1.0	7.0	2	0.9	7.8	2	0.9	7.8	2	0.7
30	2	0.5	6.4	2	0.4	6.2	2	0.4	6.0	2	0.4	6.0	2	0.5	6.2	2	0.5	6.2	2	0.3	6.2	2	0.3	6.2	2	0.0	6.2	2	0.5	6.4	2	0.4	6.2	2	0.4
31	2	0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		2	0.0			0.0			0.0			0.0

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LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — JUIN 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W											
	0			6			12			18			0			6			12			18			0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
2	1	0.3	7.0		...		1	0.3	7.3	1	0.3	7.0	3	0.3	6.8		...		3	0.4	7.0	3	0.4	7.0	3	0.6	7.0		...		3	0.4	7.0	3	0.6	
3	1	0.5	6.4	1	0.6	6.6	1	0.6	6.8	1	0.9	6.6	3	0.5	6.6	3	0.4	6.6	3	0.5	6.6	3	0.6	6.8	3	0.7	6.4	3	0.7	6.4	3	0.7	6.8	3	0.7	
4	3	0.5	6.6	3	0.5	6.6	3	0.5	6.6	3	0.6	6.6	3	0.6	6.6	3	0.7	6.4	3	0.7	6.4	3	0.8	6.6	3	0.7	6.6	3	0.7	6.8	3	0.7	6.6	3	0.7	
5	3	0.6	6.6	3	0.6	6.6	3	0.6	6.6	3	0.7	6.8	3	0.5	6.6	3	0.5	6.5	3	0.4	6.6	3	0.5	6.6	3	0.7	6.8	3	0.7	6.8	3	0.6	6.8	3	0.6	
6	1	0.5	6.8		...		1	0.4	6.6	1	0.5	6.6	3	0.5	6.4		...		3	0.5	6.6	3	0.5	6.6	3	0.6	6.8		...		3	0.6	6.8	3	0.6	
7		...		3	0.5	6.8	3	0.5	6.8	3	0.5	6.6		...		3	0.5	6.2	3	0.5	6.2	3	0.5	6.2		...		3	0.6	6.2	3	0.6	6.2	3	0.5	[illegible]
8	3	0.4	6.4	3	0.4	6.2	3	0.4	6.2	3	0.5	6.6	3	0.5	6.2	3	0.5	6.4	3	0.5	6.6	3	0.5	6.6	3	0.7	6.6	3	0.6	6.8	3	0.7	6.8	3	0.7	6.8
9	3	0.5	7.0	3	0.6	6.8	3	0.6	9.0	3	0.6	6.8	3	0.5	7.0	3	0.5	7.0	3	0.6	7.0	3	0.6	7.0	2	0.5	7.0	3	0.6	7.0	3	0.7	7.0	3	0.8	7.0
10	3	0.6	7.2	3	0.8	7.2	3	0.8	7.6	3	1.0	8.8	3	0.6	7.2	3	0.7	7.4	3	0.6	7.4	3	0.6	7.3	1	0.5	7.0	1	0.5	7.4	1	0.5	7.2	1	0.5	7.4
11	1	1.0	7.4	1	1.2	8.0	1	1.2	8.0	1	1.2	7.8	2	0.6	7.2		...		2	0.7	7.4	2	0.8	7.6	2	0.7	7.4		...		2	0.8	7.2	2	0.7	7.2
12	1	1.0	7.8	1	1.2	7.6	1	1.3	7.6	1	1.2	7.8	2	0.8	8.0	2	0.8	7.6	2	0.8	7.6	2	1.0	7.8	1	0.8	8.0	1	1.2	7.6	1	1.1	7.4	1	1.0	7.6
13	1	1.4	7.8	1	1.6	7.6	1	1.4	7.6	1	1.2	7.2	2	0.8	7.4	2	0.9	7.4	2	0.8	7.0	2	0.8	7.4	1	1.1	7.6	1	1.2	7.6	1	1.2	7.4	1	1.2	7.4
14	1	1.0	7.2	1	1.2	7.2	1	1.3	7.0	1	1.2	7.2	1	0.8	7.4	1	0.8	7.0	1	0.7	7.0	1	0.7	6.8	1	0.9	6.8	1	1.1	7.2	1	0.9	7.0	1	1.1	6.8
15	1	1.0	7.0	1	0.8	6.8	1	0.7	6.8	1	0.5	6.6	1	0.5	6.8	1	0.7	6.4	1	0.6	6.2	1	0.5	6.2	3	0.6	6.4	3	0.6	7.0	3	0.6	6.5	3	0.5	6.6
16	1	0.6	6.8		...		1	0.8	7.2	1	0.7	7.0	2	0.5	6.8	2			2	0.5	6.8	2	0.6	6.0	2	0.5	6.8				2	0.6	6.8	2	0.6	6.8
17	1	0.4	6.4	1	0.7	6.8	1	0.5	6.8	1	0.5	6.8	2	0.5	6.8	2	0.4	5.8	2	0.3	5.8		...		2	0.6	6.4	2	0.5	6.6	2	0.6	6.8	2	0.7	6.4
18	1	0.5	7.0	1	0.5	6.8	1	0.6	7.0		...		2	0.5	6.2	2	0.5	6.4	2	0.5	7.0	2	0.6	7.2	2	0.6	7.0	2	0.8	7.0	2	0.8	7.0			
19	1	0.8	6.8	1	1.7	7.0	1	1.1	7.0	1	1.1	7.2	2	0.6	7.0	2	0.8	7.0	2	0.7	7.0	2	0.8	7.0												
20	1	1.0	7.0	1	1.3	7.2	1	1.3	6.4	1	1.2	6.6	1	0.8	6.8	1	0.9	7.0	1	1.0	7.0	1	1.0	7.0												
21	1	1.3	6.8	1	1.3	6.8	1	0.9	6.8	1	1.1	6.6	1	0.8	6.8	1	0.8	6.8	1	0.8	6.6	1	0.8	6.7												
22	1	0.7	6.6	1	0.9	6.8	1	1.1	6.8	1	0.9	6.6	2	0.8	6.4	2	0.8	6.4	2	0.8	6.8	2	0.7	7.2												
23	2	0.4	6.8	2	0.7	7.0	2	0.7	6.8	2	0.8	7.0	2	0.5	7.0	2	0.5	7.0	2	0.5	6.8	2	0.5	6.8												
24	2	0.9	6.8	2	0.9	7.0	2	1.1	6.8	2	1.1	7.0	2	0.5	7.0	2	0.8	6.6	2	0.8	7.0	2	0.8	6.4												
25	2	0.8	7.0	2	0.8	7.0	2	0.8	7.0	2	0.8	7.2	1	0.9	6.8	1	1.0	7.0	1	1.3	6.4	1	1.5	6.8												
26	1	0.8	7.2	1	1.1	7.0	1	1.3	7.0	1	1.7	7.4	1	1.2	7.2	1	1.1	7.0	1	1.0	7.0	1	1.0	6.8												
27	1	1.8	7.6	1	2.0	7.4	1	1.4	7.2	1	1.3	7.0	1	1.3	7.6	1	1.1	7.2	1	1.1	7.0	1	1.0	6.8												
28	1	1.0	6.8	1	0.9	7.0	1	0.9	7.0	1	0.9	7.0	2	0.7	6.8	2	0.8	6.6	2	0.6	.0	2	0.6	6.8												
29	2	0.8	7.0	2	1.0	7.0	2	1.0	7.6	2	0.8	7.8	2	0.6	7.2	2	0.6	7.8		...			...													
30	2	0.7	7.2	2	0.6	7.2	2	0.4	7.2	2	0.4	7.2	2	0.4	7.0	2	0.4	7.2	2	0.3	6.8	2	0.3	7.0												

En réparation

International Seismological Centre
From the ISC collection scanned by SISMOS

LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — JUILLET 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

Z

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1		...		1	0.4	7.2	1	0.4	7.4	1	0.4	7.2
2	1	0.4	6.8	1	0.5	6.2	1	0.5	6.4	1	0.5	7.0
3	3	0.0		3	0.0		3	0.0		3	0.0	
4	3	0.0		3	0.0		3	0.0		3	0.0	
5	1	0.5	6.8	1	0.5	6.8	1	0.7	6.8	1	0.7	6.8
6	1	1.1	6.4	1	1.3	6.6	1	0.9	6.2	1	0.9	6.2
7	1	0.5	6.4	1	0.0		1	0.0		1	0.0	
8	2	0.0		2	0.0		2	0.0		2	0.0	
9	3	0.0		3	0.0		3	0.0		3	0.0	
10	3	0.0		3	0.0		3	0.0		3	0.0	
11		...			...			...			...	
12	2	0.0		2	0.0		2	0.0		2	0.0	
13	2	0.0		2	0.0		2	0.0		2	0.0	
14	2	0.0		2	0.0		2	0.0		2	0.0	
15	2	0.0		2	0.0		2	0.0		2	0.0	
16	2	0.0		2	0.0		2	0.0		2	0.0	
17	2	0.4	6.2	2	0.4	6.4	2	0.3	6.0	2	0.0	
18	2	0.0		2	0.0		2	0.0		2	0.0	
19	2	0.0		2	0.0		2	0.0		2	0.0	
20	3	0.0		3	0.0		3	0.0		3	0.0	
21	2	0.0		2	0.0		2	0.0		2	0.0	
22	1	0.0		1	0.0		1	0.0		1	0.0	
23		...		1	0.7	6.0	1	0.5	6.3	1	0.7	6.2
24	1	1.2	6.2	1	1.4	6.4	1	1.4	6.4	1	1.4	6.4
25	1	1.4	6.2	1	1.[illegible]	6.4		...			...	
26	1	1.4	7.2	1	1.3	7.0	1	1.3	7.2	1	1.3	7.2
27	1	0.9	6.8	1	0.9	6.8	1	0.8	6.4	1	0.8	6.4
28	1	0.8	6.8	1	0.6	6.8	1	0.4	6.6		0.0	
29	3	0.0		3	0.0		3	0.0		3	0.0	
30	3	0.0		3	0.0		3	0.0		3	0.0	
31	3	0.0		3	0.0		3	0.0		3	0.0	

N-S

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1		...		3	0.3	7.0	3	0.3	7.2	3	0.3	7.2
2	2	0.0		2	0.0		2	0.0		2	0.0	
3	3	0.0		3	0.0		3	0.0		3	0.0	
4	3	0.0		3	0.0		3	0.0		3	0.0	
5	2	0.5	6.4	2	0.3	6.0	2	0.4	6.2	2	0.6	6.2
6	2	0.8	6.2	2	0.8	6.2	2	0.6	6.2	2	0.5	6.2
7	3	0.0		3	0.0		3	0.0		3	0.0	
8	3	0.0		3	0.0		3	0.0		3	0.0	
9	3	0.0		3	0.0		3	0.0		3	0.0	
10	3	0.0		3	0.0		3	0.0		3	0.0	
11	2	0.4	6.4	2	0.5	6.2	2	0.4	6.2	2	0.4	6.2
12	2	0.0		2	0.0		2	0.0		2	0.0	
13	2	0.0		2	0.0		2	0.0		2	0.0	
14	2	0.0		2	0.0		2	0.0		2	0.0	
15	2	0.0		2	0.0		2	0.0		2	0.0	
16	2	0.0		2	0.0		2	0.0		2	0.0	
17	2	0.4	6.2	2	0.4	5.8	2	0.3	5.8	2	0.0	
18	2	0.0		2	0.0		2	0.0		2	0.0	
19	3	0.0		3	0.0		3	0.0		3	0.0	
20	3	0.0		3	0.0		3	0.0		3	0.0	
21	3	0.0		3	0.0		3	0.0		3	0.0	
22	2	0.0		2	0.0		2	0.0		2	0.0	
23	3	...		3	0.5	6.4	3	0.5	6.3	3	0.5	6.2
24	1	1.0	6.5	1	0.9	6.6	1	0.8	6.2	1	0.9	6.0
25	1	0.9	6.8	1	1.0	7.0	1	1.3	6.4	1	1.5	6.8
26	1	1.2	7.2	1	1.1	7.0	1	1.0	7.0	1	1.0	6.8
27	1	1.0	7.0	1	1.0	7.0	1	0.4	7.2	1	0.4	7.0
28	2	0.4	6.6	2	0.4	6.4	2	0.4	6.6	2	0.3	6.8
29	3	0.0		3	0.0		3	0.0		3	0.0	
30	3	0.0		3	0.0		3	0.0		3	0.0	
31	3	0.0		3	0.0		3	0.0		3	0.0	

E-W

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11					En réparation							
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22	2	0.3	6.0	2	0.3	6.4	2	0.3	6.4	2	0.3	6.2
23		...		1	0.4	6.4	1	0.7	6.2	1	0.7	6.2
24	1	0.4	6.2	1	1.4	6.4	1	1.4	6.6	1	1.4	6.6
25	2	1.2	6.8	2	1.4	6.7	2	1.5	6.6	2	1.4	7.0
26	2	1.4	7.0	2	1.4	7.0	2	1.3	7.0	2	1.3	6.8
27	2	1.2	7.0	2	1.2	6.8	2	1.0	6.8	2	1.2	6.8
28	2	0.7	6.8	2	0.7	6.6	2	0.7	6.6	2	0.5	6.2
29	3	0.0		3	0.0		3	0.0		3	0.0	
30	3	0.0		3	0.0		3	0.0		3	0.0	
31	3	0.0		3	0.0		3	0.0		3	0.0	

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Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

Z

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	1	0.8	7.8	1	1.0	7.6	1	0.9	7.8	1	0.9	7.4
2	1	0.9	8.0	1	1.0	7.6	1	1.0	7.6	1	1.1	7.2
3	1	1.2	7.6	1	1.6	7.6	1	2.1	8.0	1	1.6	7.8
4	1	1.7	8.0	1	2.2	8.0	1	1.5	7.6	1	2.0	7.4
5	1	1.6	7.6	1	1.3	7.8	1	1.3	7.6	1	1.1	7.4
6	1	1.0	7.6	1	1.2	7.4	1	1.2	7.6	1	1.3	7.4
7	1	1.1	7.2	1	1.0	7.4	1	0.8	7.2	1	0.7	6.8
8	3	0.5	6.4	3	0.5	6.2	3	0.4	6.0	3	0.4	6.0
9		0.0			0.0			0.0			0.0	
10	3	0.5	7.0	3	0.5	7.0	3	0.5	6.6	3	0.5	6.4
11	3	0.6	7.0	3	0.6	7.0	3	0.8	7.2	3	0.8	7.2
12	1	0.8	7.2	1	0.8	7.0	1	0.8	6.8	1	1.0	7.2
13	1	1.0	7.2	1	1.0	7.6	1	1.0	8.0	1	1.6	8.2
14	1	2.6	8.2	1	2.6	8.0	1	2.2	8.0	1	2.2	7.8
15	1	1.7	7.6	1	1.5	7.6	1	1.4	7.4	1	1.0	7.2
16	1	0.7	6.2	1	0.7	6.4	1	0.5	6.4	1	0.5	6.0
17	2	0.9	6.0	2	1.1	5.8	2	0.9	5.2	2	0.0	
18		...			0.0			0.0			0.0	
19		0.0			0.0			0.0			0.0	
20	1	0.5	6.6	1	0.4	6.8	1	0.4	6.4	1	0.4	6.6
21		0.0			0.0			0.0			0.0	
22	1	0.5	7.4	1	0.8	7.2	1	0.8	7.4	1	0.8	7.0
23	1	0.8	7.2	1	0.8	7.0	1	1.0	6.8	1	0.7	6.8
24	1	0.9	6.4	1	0.5	6.4	1	0.5	6.0	1	0.5	6.0
25		0.0			0.0			0.0			0.0	
26		0.0			0.0			0.0			0.0	
27		0.0			0.0			0.0			0.0	
28		0.0		2	0.5	5.6	2	0.5	5.6	2	0.5	5.6
29		0.0			0.0			0.0			0.0	
30		0.0			0.0			0.0			0.0	
31		0.0			0.0			0.0			0.0	

N-S

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	2	0.7	7.6	2	0.6	7.6	2	0.7	7.8	2	0.8	7.4
2		...			...			...			...	
3	1	1.1	7.8		...			...			...	
4	1	1.5	8.0	1	1.8	8.0	1	1.3	7.6	1	1.2	7.6
5	1	1.0	7.8	1	1.0	7.6	1	1.0	7.6	1	1.0	7.4
6	1	0.9	7.2	1	0.9	7.4	1	1.0	7.2	1	1.0	7.0
7	2	0.8	7.2	2	0.7	6.8	2	0.7	7.0	2	0.7	6.8
8	3	0.4	6.2	3	0.4	6.0	3	0.4	5.8	3	0.3	5.6
9		0.0			0.0			0.0			0.0	
10	3	0.5	6.0	3	0.5	6.0	3	0.5	6.4	3	0.5	6.4
11	3	0.5	7.0	3	0.7	7.0	3	0.8	7.2	3	0.8	7.2
12	3	0.7	6.8	3	0.8	6.8		..		3	0.8	7.0
13	1	1.0	7.2	1	0.9	7.6	1	1.3	8.0	1	1.4	8.2
14	1	1.8	8.2	1	1.7	8.2	1	1.6	7.8	1	1.4	7.8
15	1	1.3	7.6	1	1.3	7.0	1	1.0	6.8	1	0.7	6.8
16	2	0.7	6.2	2	0.6	6.0	2	0.6	5.8	2	0.7	5.8
17	2	0.5	6.0	2	0.6	5.8	2	0.5	5.2	2	0.0	
18		...			0.0			0.0			0.0	
19		0.0			0.0			0.0			0.0	
20	1	0.3	6.6	1	0.2	6.8	1	0.2	6.4	1	0.2	6.6
21		0.0			0.0			0.0			0.0	
22	1	0.3	7.4	1	0.5	7.2	1	0.5	7.4	1	0.5	7.0
23	1	0.5	7.2	1	0.5	7.0	1	0.6	6.8	1	0.4	6.8
24	1	0.5	6.4	1	0.3	6.4	1	0.3	6.0	1	0.3	6.0
25		0.0			0.0			0.0			0.0	
26		0.0			0.0			0.0			0.0	
27	2	0.2	5.6	2	0.2	5.4	2	0.3	5.4	2	0.4	5.4
28	2	0.3	5.4	2	0.3	5.4	2	0.3	5.6	2	0.3	5.4
29		0.0			0.			0.0			0.0	
30		0.0			0.0			0.0			0.0	
31		0.0			0.0			0.0			0.0	

E-W

	0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	2	0.7	7.6	2	0.9	7.6	2	0.9	7.4	2	1.0	7
2	1	1.2	7.2	1	1.3	7.4	1	1.3	7.2	1	1.4	7
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15									En réparation			
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28	2	0.3	5.6	2	0.4	5.6	2	0.4	5.6	2	0.4	5.6
29	2	0.3	5.6	2	0.3	5.4		0.0			0.0	
30		0.0			0.0			0.0			0.0	
31		0.0			0.0			0.0			0.0	

International Seismological Centre
From the ISC collection scanned by SISMOS

LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — SEPTEMBRE 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z									N-S										E-W											
	0			6			12			18			0			6			12			18			0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	2	0.0		2	0.0		2	0.0		2	0.0		3	0.3	5.2	3	0.3	5.2	3	0.3	5.2	3	0.3	5.2	2	0.0		2	0.0		2	0.0		2	0.0	
2	2	0.0		2	0.0		2	0.0		2	0.0		3	0.4	0.4	3	0.5	5.4	3	0.5	5.5	3	0.5	5.4	3	0.4	5.3	3	0.5	5.2	3	0.5	5.3	3	0.4	
3	2	0.0		2	0.0		2	0.0		2	0.0		3	0.4	5.4	3	0.3	5.2	3	0.0		3	0.0		2	0.0		2	0.0		2	0.0		2	0.0	
4	2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0		2	0.0	
5		...		2	0.5	6.4	2	0.7	6.4	2	0.7	6.8		...		3	0.3	6.5	3	0.5	6.8	3	0.6	7.0		...		2	0.5	6.5		...			...	
6	2	0.9	7.8	2	0.9	8.0	2	1.2	8.0	2	1.4	8.0	2	0.7	8.0	2	0.8	8.0	2	0.8	7.8	2	0.9	8.0	2	0.8	8.0	2	1.0	8.0	2	1.1	8.0	2	1.2	...
7	1	1.3	8.0	1	1.5	8.0	1	1.7	7.6	1	1.3	7.4		...			...			...			...		1	1.2	8.0	1	1.3	7.6	1	1.2	7.6		...	
8	1	1.0	7.3	1	1.0	7.2	1	1.1	7.2	1	1.2	7.2	2	0.8	7.0	2	0.9	6.8	2	0.8	7.0	2	0.8	6.8		...			...			...			...	
9	1	0.8	7.0	1	0.8	7.2	1	0.6	7.0	1	0.7	7.2	1	1.0	7.2	1	1.0	7.0	1	0.9	7.0	1	1.0	7.0	1	1.2	7.0	1	1.2	7.0	1	1.2	7.0	1	1.1	7.0
10	1	1.1	7.2	1	1.3	7.0	1	1.0	7.0	1	1.0	6.8	1	1.0	7.0	1	0.9	6.8	1	0.9	6.6	1	1.1	6.4	1	1.2	7.0	1	1.3	7.2	1	1.1	6.8	1	1.0	6.8
11	1	1.4	6.2	1	1.1	6.0	1	1.1	5.8	1	1.1	6.0	1	0.6	6.2	1	1.0	6.2	1	0.9	6.0	1	0.8	6.0	3	1.1	6.0	3	1.1	6.0	3	0.9	6.0	3	1.0	5.8
12	1	0.9	5.8	1	0.7	5.8	1	0.9	6.0	1	0.9	6.0	2	0.4	5.8	2	0.5	6.0	2	0.5	5.8	2	0.4	5.8		...			...			...			...	
13	2	0.5	5.8	2	0.7	6.0	2	0.5	5.8	2	0.5	5.8	3	0.5	5.8	3	0.5	5.8	3	0.4	5.8	3	0.3	5.8	3	0.5	5.8	3	0.6	5.8	3	0.5	6.0	3	0.4	6.0
14	3	0.4	6.0	3	0.4	6.0	3	0.4	6.0		...		3	0.3	5.8	3	[illegible]	[illegible]	3	0.2	5.8		...		3	0.4	6.0	3	0.4	6.0	3	0.3	6.0		...	
15	3	0.5	6.2	3	0.5	7.0	3	0.7	7.6	3	0.8	7.4	3	0.	7.2	3	0.3	[illegible]	3	0.5	7.2	3	0.5	7.6	3	0.6	7.2	3	0.6	7.2	3	0.6	7.0	3	0.7	7.4
16	3	0.5	7.6	3	0.5	7.2	3	0.5	7.0	3	0.8	7.4	2	0.7	7.4	2	1.0	7.3	2	1.0	8.0	2	1.2	8.0	3	0.6	7.0	3	0.6	7.2	3	0.6	7.4	3	0.6	7.5
17	3	0.9	7.6	3	0.9	7.6	3	1.1	7.8	3	1.5	8.0	1	1.8	7.3	1	1.0	7.8	1	1.1	8.0	1	1.2	8.0	3	0.7	7.2	3	0.9	7.4	3	1.2	7.6	3	1.2	8.0
18	1	1.5	8.0	1	1.8	8.0	1	1.8	7.8	1	1.8	8.0	1	1.1	7.6	1	1.0	7.8	1	1.2	7.8	1	1.1	7.8		...			...			...			...	
19	1	1.6	7.8		...			...			...		1	1.0	7.8	1	1.0	7.6	1	1.0	7.4	1	1.1	7.6		...			...			...			...	
20	1	1.1	7.8	1	1.3	7.9	1	1.1	7.8	1	1.1	7.4	1	0.8	7.8	1	1.0	7.8	1	1.0	7.6	1	1.0	7.4	3	1.2	7.6	3	1.1	7.8	3	1.4	7.6	3	1.2	7.8
21	1	2.0	8.0	1	2.2	7.8	1	1.8	8.0	1	1.8	8.0		...			...			...			...		1	1.6	7.8	1	1.3	7.6	1	1.4	7.6	1	1.6	7.7
22	1	1.8	7.8	1	1.5	7.6	1	1.5	7.6	1	1.1	7.2		...			...			...			...		1	1.6	7.4	1	1.4	7.2	1	1.1	7.0	1	1.0	7.0
23	3	0.6	7.2	3	0.4	7.0	3	0.4	7.2	3	0.3	7.0		...			...			...			...		3	0.6	7.0	3	0.6	[illegible].8	3	0.6	6.4	3	0.6	6.6
24	3	0.6	7.0	3	0.6	6.6	3	0.5	6.4	3	0.5	6.4	3	0.5	7.0	3	0.5	7.2	3	0.5	7.0	3	0.5	7.0	3	0.7	7.0	3	0.8	7.0	3	0.7	7.2	3	0.7	7.2
25	3	0.5	7.2	3	0.5	7.2	3	0.6	7.2	3	0.5	7.2	3	0.5	7.4	3	0.5	7.4	3	0.6	7.4	3	0.5	7.4	3	0.8	7.2	3	0.7	7.2	3	0.8	7.0	3	[illegible]9	7.2
26	1	0.7	7.4	1	0.8	7.2	1	0.0	7.4	1	0.5	7.4	2	0.5	7.2	2	0.6	7.0	2	0.8	7.0	2	0.8	7.0	2	0.7	7.2	2	1.1	7.2	2	1.1	7.2	2	1.0	7.2
27	1	1.0	7.0	1	0.9	7.4	1	1.1	7.4	1	1.0	7.4	2	0.8	7.4	2	0.7	7.4	2	0.8	7.4	2	0.9	7.4	2	1.2	7.2	2	1.1	7.2	2	1.1	7.4	2	1.2	7.2
28	1	1.1	7.8	1	0.9	7.8		...			...		1	1.2	7.6	1	1.0	7.4	1	1.1	[illegible].4	1	1.1	7.8	2	1.5	7.4	2	1.2	7.0	2	1.2	7.2	2	1.2	7.4
29	1	1.3	7.4	1	1.4	7.2	1	1.8	8.0	1	1.0	8.0	1	1.5	8.0	1	1.5	8.0	1	1.5	8.0	1	1.5	8.2	1	1.6	7.6	1	1.4	7.8	1	1.5	8.0	1	1.4	7.8
30	1	2.7	8.0	1	2.7	8.0	1	2.7	8.0	1	2.7	[illegible]	1	2.0	8.2	1	1.5	8.0	1	2.0	8.0	1	1.5	7.8	1	2.4	8.0	1	2.4	8.2	1	2.7	8.0		...	

International Seismological Centre
From the ISC collection scanned by SISMOS

LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — OCTOBRE 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W											
	0			6			12			18			0			6			12			18			0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	1	1.8	7.8	1	1.8	7.4	1	1.4	7.2	1	1.3	7.2	1	1.5	7.4	1	1.7	7.3	1	1.8	7.4	1	1.7	7.4		...			...			...			...	
2	1	1.3	7.4	1	1.3	7.4	1	1.1	7.2	1	1.1	7.2	1	1.1	7.4	1	1.2	7.4	1	1.3	7.2	1	1.2	7.3		...			...			...			...	
3	1	1.0	7.2	1	1.1	7.4	1	1.3	7.2	1	1.4	7.4	1	1.1	7.4	1	1.3	7.3	1	1.2	7.4	1	1.1	7.0		...			...			...			...	
4	1	1.3	7.4	1	1.3	7.6	1	1.4	7.6	1	1.3	7.4	1	1.3	7.2	1	1.1	7.4	1	1.3	7.4	1	1.3	7.6		...			...			...			...	
5	1	1.3	7.8	1	1.6	7.6	1	1.3	7.4	1	1.3	7.2	1	1.2	7.2	1	1.3	7.2	1	1.3	7.2	1	1.1	7.2		...			...			...			...	
6	1	1.1	7.2	1	1.5	7.4	1	1.3	7.2	1	1.1	7.2	1	0.8	7.2	1	0.8	7.0	1	0.8	7.0	1	0.8	7.0		...			...			...			...	
7	1	0.8	7.2	1	0.7	7.0	1	0.7	7.0	1	0.5	7.0	1	0.6	7.0	1	0.6	7.2	1	0.5	7.0	1	0.5	6.8	3	0.7	6.8	3	0.6	7.0	3	0.7	7.0	3	0.7	7.0
8	1	0.6	7.0	1	0.8	7.0	1	0.8	7.2	1	0.8	7.2	1	0.5	7.0	1	0.5	7.0	1	0.5	7.0	1	0.5	7.2	1	0.6	6.6	1	0.6	7.0	1	0.6	7.0	1	0.6	7.0
9	1	0.5	7.0	1	0.8	7.0	1	0.8	6.8	1	0.8	6.6	2	1.0	6.8	2	0.8	6.6	2	1.0	6.8	2	0.9	6.6	2	1.0	7.0	2	0.7	7.0	2	1.0	6.8		...	
10	2	0.5	6.6	2	0.5	6.7	2	0.5	6.4	2	0.3	6.2	2	0.9	6.4	2	0.8	6.5	2	0.7	6.6	2	0.6	6.2	2	1.0	6.8	2	0.8	6.6	2	0.7	6.4	2	0.7	6.4
11	2	0.3	6.2	2	0.3	6.2	2	0.3	6.2	2	0.3	6.0	2	0.3	6.2	2	0.2	6.4	2	0.0			...		2	0.3	6.2	2	0.2	6.2		...			...	
12		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
13		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
14		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
15		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
16	3	0.4	5.2	3	0.4	5.4	3	0.4	5.2	3	0.4	5.2	3	0.3	5.2	3	0.3	5.2	3	0.3	5.2	3	0.3	5.2		0.0			0.0			0.0			0.0	
17		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
18		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
19		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
20		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
21	3	0.4	5.8	3	0.5	6.6	3	0.5	7.0	3	0.5	6.8		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
22	3	0.5	6.6	3	0.5	6.8	3	0.5	7.0	3	0.5	6.8	3	0.5	6.0	3	0.5	6.2	3	0.4	6.8		0.0													
23		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0													
24	1	0.4	7.6	1	0.5	7.4	1	0.7	7.6	1	0.7	7.8	3	0.4	7.6	3	0.5	7.4	3	0.5	7.0	3	0.5	7.4												
25	1	0.9	7.8	1	1.3	8.0	1	1.6	8.0	1	1.8	8.0	1	0.8	8.0	1	0.9	8.2	1	1.2	8.0	1	1.5	8.0												
26	1	2.0	7.8		...			...		1	1.3	7.6	1	1.3	8.0	1	1.0	7.8	1	1.0	7.6	1	0.8	7.2												
27	1	0.8	6.8	1	0.6	6.6	1	0.6	6.4	1	0.6	6.2	1	0.7	6.8	1	0.9	6.4	1	0.5	6.4	1	0.5	6.4					En réparation							
28	3	0.7	6.0	3	0.7	6.0	3	0.7	6.2	3	0.5	6.2	3	0.3	6.2	3	0.2	6.0		0.0			0.0													
29		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0													
30	1	0.6	7.2	1	0.6	7.6		0.0			0.0		3	0.5	7.2	3	0.6	7.4	3	0.6	7.6	3	0.9	7.6												
31		0.0			0.0			0.0			0.0		3	0.6	7.3	3	0.6	7.4	3	0.4	7.2	3	0.4	7.2												

International Seismological Centre
From the ISC collection scanned by SISMOS

LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — NOVEMBRE 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W											
	0			6			12			18			0			6			12			18			0			6			12			18		
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.
1	1	0.5	7.6	1	0.8	7.6	1	1.0	7.4	1	1.0	7.2	1	0.8	7.4	1	0.8	7.6	1	0.8	7.6	1	0.8	7.4		...			...			...			..	
2	1	1.0	7.2	1	0.6	7.6	1	0.6	7.2	1	0.5	7.0	1	0.8	7.0	1	0.7	6.8	1	0.6	6.8	1	0.6	6.8		...			...			...			..	
3	3	0.4	6.8	3	0.3	6.4		0.0			0.0			0.0			0.0			0.0			0.0			...			...			...			..	
4		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			...			...			...			..	
5	1	0.5	6.6	1	0.6	7.0	1	0.8	7.0	1	0.8	7.2	3	0.5	6.6	3	0.7	6.8	3	0.8	6.8	3	0.8	6.6		...			...			...			..	
6	1	0.6	6.6	1	0.4	6.6	1	0.6	6.6	1	0.6	6.8	2	0.7	6.8	2	0.7	6.6	2	0.6	6.8	2	0.5	6.6		...			...			...			...	
7	1	0.4	6.8	1	0.4	6.6	1	0.6	6.6	1	0.4	6.6	2	0.5	6.8	2	0.5	6.6	2	0.5	6.8	2	0.6	6.8		...			...			...			...	
8	2	0.4	6.4	2	0.4	6.2	2	0.4	6.6	2	0.4	6.8	2	0.5	6.2	2	0.6	6.4	2	0.6	6.8	2	0.6	6.8		...			...			...			...	
9	1	0.5	7.0	1	0.5	7.0	1	0.6	6.8	1	0.6	7.0	2	0.6	6.8	2	0.5	6.8	2	.5	6.8	2	0.6	6.8		...			...			...			...	
10	1	0.5	6.6	1	0.5	6.6	1	0.5	6.6		...		2	0.4	6.5	2	0.4	6.6	2	0.5	6.6	2	0.4	6.6		...			...			...			...	
11	2	0.5	6.5	2	0.5	7.0	2	0.6	7.0	2	0.6	6.8	2	0.5	6.4	2	0.5	6.6	2	0.4	6.6	2	0.4	6.6		...			...			...			...	
12		...			...		2	0.8	6.6	2	0.6	6.8	2	0.5	6.6	2	0.6	6.6	2	0.6	6.6	2	0.5	6.6	2	0.8	6.8	2	0.7	6.8	2	0.8	6.8	2	0.8	7.0
13	1	0.5	6.8	1	0.5	6.8	1	0.5	6.8	1	0.5	6.6	2	0.5	6.6	2	0.5	6.6	2	0.5	6.6	2	0.5	6.6	2	0.7	6.6	2	0.7	6.6	2	0.7	6.6	2	0.7	6.6
14	1	0.5	6.2	2	0.5	6.0	1	0.5	6.0	1	0.3	6.2	2	0.5	6.2	2	0.4	6.0	2	0.4	6.2	2	0.4	6.0	3	0.4	6.2	3	0.4	6.2	3	0.4	6.2	3	0.4	6.2
15	1	0.3	6.2	1	0.3	6.4		...			...		3	0.3	6.2	3	0.3	6.2		...			...		3	0.4	6.2	3	0.3	6.2		...			...	
16		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
17		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
19		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
20		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
21		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
22		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
23	3	0.5	6.8	3	0.5	7.0	3	0.3	7.0	3	0.3	7.0	3	0.4	7.0	3	0.4	7.0	3	0.4	7.0	3	0.4	7.0	3	0.4	7.0	3	0.6	7.0	3	0.4	7.0	3	0.4	7.0
24	3	0.3	7.0	3	0.5	7.0	3	0.4	7.0	3	0.3	7.0	3	0.3	7.0	3	0.3	7.0	3	0.3	7.0	3	0.3	7.0	3	0.4	7.0	3	0.5	6.8	3	0.4	7.0	3	0.4	7.0
25	1	0.4	7.0	1	0.4	7.2	1	0.3	7.0	1	0.3	7.0	3	0.5	7.2	3	0.4	7.2	3	0.4	7.0	3	0.4	6.8	3	0.7	7.0	3	0.6	7.2	3	0.6	7.0	3	0.6	6.8
26	1	0.5	7.2	1	0.6	7.0	1	0.5	7.0	1	0.4	6.8	3	0.4	7.0	3	0.4	6.5	3	0.3	7.0	3	0.3	7.0	3	0.6	7.0	3	0.6	6.8	3	0.4	6.8	3	0.4	7.0
27		...		1	0.5	6.4	1	0.5	6.6	1	0.5	6.6		...		3	0.3	6.4	3	0.4	6.6		...		3	0.4	6.4	3	0.4	6.4	3	0.4	6.4	3	0.4	6.4
28	1	0.5	6.6	1	0.6	7.2	1	0.6	7.2	1	0.6	7.4	3	0.6	7.0	3	0.5	7.2	3	0.6	7.4	3	0.6	7.2	3	0.5	7.0	3	0.6	7.2	3	0.5	7.2	3	0.6	7.6
29	1	0.8	8.0	1	0.8	8.0	1	0.8	8.0	1	0.8	8.0	1	0.7	8.0	1	0.8	8.0	1	0.8	8.1	1	0.8	8.0	1	1.0	8.0	1	1.2	8.0	1	1.1	8.0	1	1.1	7.8
30	1	0.8	7.4	1	0.6	7.2	1	0.8	7.2	1	0.8	7.0	2	0.9	7.0	2	0.8	7.2	2	0.7	7.0	2	0.8	7.0	2	1.2	7.2	2	1.0	7.2	2	1.2	7.0	2	1.2	7.0

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LA PAZ BOLIVIE — ANNEE DE COOPERATION GEOPHYSIQUE INTERNATIONALE — DECEMBRE 1959

Instrument Galitzin-Wilip — Agitation microséismique — Observatoire San Calixto

	Z												N-S												E-W											
	0			6			12			18			0			6			12			18			0			6			12					
	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	T s.	K	A	
1	1	0.9	7.0	1	1.1	7.0	1	1.5	7.0	1	1.5	7.0	1	0.8	7.0	1	1.1	7.0	1	1.3	7.0	1	1.3	7.2	2	0.8	7.0	2	1.1	7.2	2	1.3	7.2	2	1	
2	1	1.3	7.2	1	1.5	7.0		...			...		1	1.3	7.0	1	1.4	6.8	1	1.3	6.8	1	1.1	7.0	2	1.4	6.8	2	1.6	7.0	2	1.4	7.0	2	1	
3	1	1.0	6.8	1	1.0	6.'	1	1.1	6.8	1	1.1	7.0	2	1.0	6.8	2	1.0	6.6	2	1.4	6.6	2	1.4	7.0	2	1.2	6.8	2	1.1	6.8	2	1.1	6.6	2	1	
4	1	1.0	6.6	1	0.8	6.8	1	1.1	7.0	1	0.8	7.0	2	0.7	6.8	2	0.8	6.8	2	0.7	7.0	2	0.7	7.0	2	1.2	6.8	2	1.2	7.0	2	1.2	7.0	2	1	
5	1	0.8	7.0	1	0.6	7.0	1	0.6	7.0	1	0.6	7.0	2	1.0	7.2	2	0.9	7.0	2	0.7	7.0	2	0.6	6.8	2	0.8	7.0	2	0.8	7.0	2	0.7	7.0	2	0	
6	3	0.5	6.8	3	0.6	6.6	3	0.5	6.4	3	0.5	6.4	3	0.5	6.6	3	0.6	6.6	3	0.6	6.4	3	0.5	6.4	3	0.8	6.6	3	0.7	6.5	3	0.7	6.6	3	0	
7	3	0.4	6.4		0.0			0.0			0.0		3	0.4	6.4		0.0			0.0			0.0			0.0			0.0			0.0			0.0	
8		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
9		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
10	1	0.3	6.6	1	0.5	6.6	1	0.5	6.4	1	0.6	6.6	3	0.5	6.8	3	0.6	6.8	3	0.7	6.6	3	0.8	6.6	3	0.7	6.8	3	0.8	6.8	3	1.0	6.8	3	1.2	6.8
11	1	0.8	6.7	1	0.8	6.8	1	0.8	6.6	1	0.7	6.7	2	0.9	6.7	2	0.8	6.7	2	0.8	6.6	2	0.9	6.6	2	1.1	6.8	2	1.0	6.6	2	1.0	6.7	2	1.1	6.6
12	1	0.5	6.4	1	0.4	6.4	1	0.4	6.6	1	0.4	6.6	1	0.6	6.6	1	0.7	6.7	1	0.7	6.6	1	0.8	6.8	2	0.8	6.8	2	0.8	6.8	2	1.0	6.8	2	1.0	6.8
13	1	0.7	7.0	1	1.1	7.2	1	1.0	7.4	1	0.8	7.2	1	0.8	7.0	1	0.7	7.2	1	0.7	7.4	1	1.0	7.2	2	1.0	7.0	2	0.8	7.2	2	1.0	7.2	2	1.0	7.0
14	1	0.8	7.0	1	0.8	7.2	1	1.1	7.2	1	0.7	7.6	1	0.8	7.0	1	0.9	7.0	1	0.8	7.0	1	0.8	7.0	2	1.0	7.2	2	1.0	7.2	2	0.'	7.2	2	1.1	7.2
15		..		1	0.8	7.0	1	0.6	6.8	1	0.6	6.8		...		1	1.4	6.8	1	0.7	6.6	1	0.7	6.6		...		2	0.8	6.8	2	0.7	6.6	2	0.7	6.6
16	1	0.7	6.4	1	0.6	6.8	1	0.6	7.0	1	0.5	6.8	1	0.6	6.4	1	0.5	6.4	1	0.5	6.6	1	0.4	6.4	2	0.5	6.6	2	0.6	6.4		...		2	0.7	6.6
17	2	0.5	6.8	2	0.6	6.6	2	0.6	6.8	2	0.6	7.0	2	0.5	6.6	2	0.5	6.4	2	0.7	6.8	2	0.8	6.8	2	0.5	6.6	2	0.7	6.8	2	0.6	6.8	2	0.6	6.8
18	1	0.8	7.2	1	1.1	7.0	1	1.3	7.2	1	1.3	7.2	2	0.9	7.0	2	0.9	7.0	2	1.0	7.0	2	0.9	7.0	2	0.7	7.0	2	0.8	7.0	2	0.8	7.0	2	0.8	7.0
19	2	0.8	7.0	2	0.6	6.8	2	0.6	6.8	2	0.3	6.8	2	0.8	6.8	2	0.8	7.0	2	0.7	6.6	2	0.5	6.8	2	0.8	7.0	2	0.7	7.2	2	0.8	7.0	2	0.5	7.0
20	2	0.3	6.8	2	0.5	6.4	2	0.3	6.4	2	0.3	6.4	2	0.5	6.4	2	0.5	6.8	2	0.5	6.8	2	0.5	6.4	2	0.5	6.6	2	0.5	6.6	2	0.5	6.6	2	0.6	6.6
21	2	0.5	6.6	2	0.5	6.6		...			...		2	0.6	6.6	2	0.6	6.6		...		2	0.5	6.6	2	0.7	6.6	2	0.7	6.4		...		2	0.7	6.4
22	1	0.5	6.6	1	0.6	6.6	1	0.6	6.6	1	.6	6.6	2	0.5	6.6	2	0.6	6.6	2	0.6	6.6	2	0.6	6.6	2	0.7	6.6	2	0.7	6.6	2	0.7	6.6	2	0.7	6.6
23	1	0.6	6.6	1	0.5	6.4	1	.5	6.6	1	0.5	6.4	2	0.6	6.4	2	0.6	6.4	2	0.7	6.2	2	0.7	6.4		...			...			...			...	
24	1	0.5	6.2	1	0.4	6.2	1	0.4	6.2	1	0.5	6.0	2	0.5	6.2	2	0.5	6.2	2	0.6	6.0	2	0.7	6.0	3	0.6	6.2	3	0.6	6.2	3	0.5	6.2	3	0.6	6.2
25	3	1.0	6.6	3	1.0	6.8	3	1.1	6.8	3	1.1	6.8	3	0.7	6.2	3	0.7	6.0	3	0.8	6.0	3	0.8	6.2	3	0.8	6.0	3	0.8	6.0	3	0.8	6.4	3	0.8	6.0
26	3	0.6	6.8	3	0.5	6.6	3	0.5	6.6	3	0.3	6.6	3	0.5	6.8	3	0.5	6.6	3	0.5	6.6	3	0.5	6.6	3	0.8	6.8	3	0.6	6.8	3	0.6	6.6	3	0.6	6.6
27		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
28		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
29		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
30		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	
31		0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0	

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