

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengether, P. Largo (Z',N',E').- Amplificación: 1,500

ENERO, 1968

1 eP	01 05	47.5 (Z)	3 eP	06 43	53.1 (Z)
e	08 09	09.2 (Z)	iP	C 08 24	27.1 (Z)
eP	02 40	46.5 (Z)	iS		46.2 (NE)
eS	41 06	06.0 (ZNE)	iP	C 11 48	24.9 (Z)
eiP	02 46	03.7 (Z)	iS		56.4 (ZEN'E')
iP	C 05 47	19.1 (Z)	e(P)	11 56	02.6 (Z)
iS		49.1 (ZNE)	eP	12 03	16.1 (Z)
eiP	08 17	54.0 (Z)	eP	14 14	17.7 (Z)
i		58.9 (Z)	e		35.9 (Z)
i(S)	19 18	18.6 (ZN)	iP	C 16 10	10.8 (Z)
iP	C 08 23	06.9 (Z)	iS		30.2 (Z)
iS		11.3 (ZNE)	iP	D 16 32	29.9 (Z)
iP	D 12 56	08.1 (Z)	iS		58.4 (ZNE)
iS		23.4 (ZNE)	iP	D 18 40	39.0 (Z)
iP	C 16 52	28.2 (Z)	iS		58.3 (ZE)
iS		47.2 (ZNE)	iP	D 21 00	34.8 (Z)
iP	D 17 35	17.4 (Z)	iS		01 00.5 (ZNE)
i	36	19.2 (Z)	iP	D 23 03	43.1 (Z)
iS		27.2 (ZNE)	iS		59.6 (ZNE)
iP	C 20 21	23.2 (Z)	4 eP	00 34	02.0 (Z)
i(S)	22 22	22.2 (Z)	iP	D 00 57	31.0 (Z)
iP	C 20 37	33.1 (Z)	iS		50.0 (N'E')
i	38	35.3 (ZN)	eP	01 16	38.0 (ZZ')
i(S)		59.8 (ZNE)	e(S)	26 04	04.0 (Z'N'E')
2 eP	00 40	27.2 (Z)	e	32 06	06.0 (N'E')
eiP	C 00 43	40.7 (Z)	e(L)	40 44	04.0 (N')
e(P)	00 51	54.0 (Z)	eL	49 08	08.0 (Z')
e	52 14	14.7 (Z)	iP	01 40	58.0 (Z)
iP	C 03 06	03.8 (Z)	iS	41 28	28.3 (ZNE)
iS		08.3 (ZNE)	eP	03 41	19.3 (Z)
eP	07 40	57.1 (Z)	i	43 32	32.5 (Z)
iS	41 35	35.4 (ZNE)	eP	06 01	59.6 (Z)
eP	09 40	56.1 (Z)	iS	02 50	50.6 (E)
e	46 40	40.6 (Z)	eP	07 22	11.1 (Z)
iP	D 10 02	21.1 (Z)	iS		59.6 (Z)
iS		28.8 (ZNE)	eP	08 13	43.5 (Z)
eP	14 37	10.2 (Z)	iP	D 09 44	50.9 (Z)
iS		57.2 (N)	iS	45 20	20.0 (ZNE)
iP	C 16 32	41.6 (Z)	eP	10 10	28.4 (Z)
iS		56.7 (ZN)	iP	12 42	10.3 (Z)
iP	C 17 30	17.7 (Z)	iS		34.2 (E)
iS		22.7 (ZNE)	iP	C 14 46	56.0 (Z)
iP	C 22 46	54.6 (Z)	iS	47 12	12.7 (ZNE)
iS	48 18	18.7 (N'E')	iP	14 49	43.3 (Z)
3 eP	00 15	24.6 (Z)	i(S)	51 06	06.2 (E')
eP	06 23	15.6 (Z)	eP	20 14	20.8 (Z)
iS		30.7 (ZNE)	iS	15 24	24.3 (ZN)

5 iP D 05 12 57.2 (Z)
 iS 13 45.1 (ZNE)
 iP D 05 25 41.2 (Z)
 iS 54.2 (ZNE)
 iP D 06 06 06.2 (Z)
 iS 11.9 (ZNE)
 iP 06 06 23.0 (Z)
 iS 28.1 (ZNE)
 eP 07 02 40.1 (Z)
 eP 09 29 37.6 (Z)
 eS 30 33.1 (ZNE)
 eP 14 24 20.9 (Z)
 iP D 17 49 41.9 (Z)
 e(P) 21 33 28.5 (Z)
 6 eP 03 02 41.6 (Z)
 eP 03 26 39.5 (Z)
 i 27 09.9 (Z)
 iP C 04 42 42.7 (Z)
 eS 59.9 (ZNE)
 iP D 06 22 29.0 (Z)
 eS 23 54.7 (ZNE)
 iP C 08 46 28.1 (Z)
 iP C 08 52 20.4 (Z)
 eS 53 43.7 (ZNE)
 iP C 09 26 26.8 (Z)
 iS 37.3 (ZNE)
 eP 15 52 51.5 (Z)
 eS 54 29.6 (ZNE)
 iP C 16 50 13.5 (Z)
 iS 51 39.5 (ZNE)
 iP C 23 29 59.7 (ZZ')
 i(S) 32 07.4 (ZNE)
 7 iP D 00 25 57.0 (Z)
 i 26 40.3 (ZNE)
 i 27 59.8 (ZNE)
 i 29 09.5 (ZNE)
 eP 00 36 08.3 (Z)
 e 44.5 (N)
 eP 02 34 35.3 (Z)
 iP C 10 09 48.7 (Z)
 iS 10 00.5 (ZNE)
 iP 10 11 49.9 (Z)
 iS 12 01.4 (ZNE)
 iP D 10 15 39.3 (Z)
 iP C 10 28 59.9 (Z)
 iS 29 11.7 (ZNE)
 iP C 10 34 14.4 (Z)
 e(S) 26.3 (ZNE)
 iP D 13 10 18.4 (Z)
 iS 35.1 (ZNE)
 eP 18 37 18.6 (Z)
 iP C 18 58 32.0 (Z)
 iS 59 43.8 (ZNE)

8 eiP 00 36 14.2 (Z)
 iS 42.2 (NE)
 iP D 03 27 57.2 (Z)
 iS 28 16.1 (ZNE)
 iP D 04 10 40.1 (Z)
 eS 11 04.8 (ZNE)
 iP D 04 40 26.9 (Z)
 eS 53.1 (ZNE)
 eP 05 07 31.3 (Z)
 eS 46.1 (ZNE)
 iP D 06 50 37.4 (Z)
 iS 51 29.1 (ZNE)
 eiP 07 38 56.4 (Z)
 iS 39 17.1 (ZNE)
 iP D 10 40 23.1 (Z)
 eS 50.6 (Z)
 eiP 11 03 15.8 (Z)
 eS 25.0 (ZNE)
 iP C 13 55 21.6 (Z)
 e(S) 37.7 (Z)
 iP C 18 45 06.9 (Z)
 i(S) 32.3 (N'E')
 iP D 20 29 59.3 (Z) T:01.0 A:02.0
 e 31 40.8 (ZZ')
 i 36 03.3 (Z'N'E')
 e 38 44.3 (N'E')
 eL 41 42.3 (Z') T:42.0 A:12.0
 iP D 22 00 20.7 (Z)
 eS 36.8 (ZNE)
 eP 22 18 52.3 (Z')
 e 19 38.3 (N')
 e 26 16.3 (Z'N'E')
 eL 39 12.3 (Z') T:32.0 A:16.5
 9 iP D 01 14 01.1 (Z)
 iS 20.0 (ZNE)
 iP D 02 08 53.9 (Z)
 iS 09 05.9 (ZNE)
 i(P) 02 50 35.9 (Z)
 eP 03 20 46.1 (Z)
 iS 21 15.8 (NE)
 iP D 04 23 09.3 (Z)
 iS 23.1 (ZNE)
 iP D 09 50 04.5 (Z)
 iS 15.9 (ZNE)
 iP C 18 43 00.0 (Z)
 iS 58.3 (ZNE)
 eP 21 16 39.1 (Z)
 eS 17 29.3 (ZNE)
 10 iP D 00 34 37.0 (Z)
 iS 35 37.0 (ZNE)
 eiP 01 53 30.5 (Z) T:01.0 A:02.0
 e 02 02 15.8 (Z'N')
 eP 04 10 37.6 (Z)
 iS 53.5 (ZNE)
 eiP 05 41 33.1 (Z)

10 iP D 05 56 58.1 (Z)
 e 57 55.6 (N)
 i 59 01.6 (ZN)
 e 06 00 07.9 (ZNE)

iP C 11 56 56.8 (Z)
 iS 57 49.7 (ZN)

iP C 12 06 20.2 (Z)
 iS 40.1 (ZNE)

11 iP D 02 43 55.5 (Z)
 i(S) 44 12.0 (N'E')

eP 07 22 45.7 (Z)
 iS 23 04.0 (ZNE)

eiP 09 42 17.6 (Z)
 i 25.5 (Z)

eP 17 16 16.0 (Z)

eiP D 22 28 23.4 (Z)
 iS 29 57.1 (ZNE)

12 iP C 01 12 47.2 (Z)

eiP C 02 24 03.8 (Z)

eP 03 18 28.9 (Z)
 e 38.9 (Z)

eP 03 27 39.0 (Z)

eiP C 04 07 40.6 (Z)
 iS 08 53.2 (ZNE)

iP 05 30 23.3 (Z)

eP 05 50 39.3 (Z)
 eS 51 37.3 (NE)

iP C 10 05 08.2 (Z)
 iS 12.4 (ZNE)

iP C 10 29 42.3 (Z)
 i(S) 30 34.2 (ZNE)

eiP 12 29 42.2 (Z)
 iS 58.2 (NE)

iP C 16 32 43.6 (Z)
 iS 57.2 (NE)

eiP 23 20 36.3 (Z)
 iS 39.3 (ZNE)

13 iP C 00 21 07.3 (Z)
 iS 31.7 (ZNE)

eP 00 53 10.5 (Z)
 iS 55.5 (ZNE)

i(P) D 02 34 24.4 (Z)

iP D 04 37 25.6 (Z)
 iS 38 17.1 (ZNE)

eP 04 42 42.1 (Z)
 eS 44 03.6 (ZNE)

eP 06 39 15.1 (Z)
 iS 21.5 (ZE)

eiP 07 23 47.1 (ZZ')

e 24 45.6 (Z)
 e 28 28.1 (ZZ')

e 49 00.1 (N'E')

e 08 19 34.1 (Z')

e 26 56.1 (Z')

c 36 42.1 (Z')

eiL 47 34.1 (Z')

i 56 48.1 (Z')

13 eP 07 59 32.5 (Z)
 iS 08 00 15.6 (NE)

eiP 10 40 50.6 (Z)
 iS 41 21.1 (ZNE)

iP C 16 09 04.1 (ZZ')
 iS 10 38.3 (Z'N'E')

iP D 16 24 07.6 (Z)
 iS 25 39.9 (ZNE)

iP C 16 35 23.1 (Z)
 iS 39.1 (Z)

i(P) 16 49 38.4 (Z)
 iS 59.2 (Z)

eP 17 22 43.7 (Z)
 iS 24 09.2 (ZNE)

eP 18 05 04.2 (Z)
 iS 20.7 (ZNE)

eiP 19 38 05.4 (Z)
 eS 39 30.7 (ZNE)

iP D 21 31 29.4 (Z)
 iS 33 02.8 (ZNE)

eiP 22 33 23.8 (Z)
 iS 52.6 (ZNE)

eiP 22 42 11.8 (Z)
 e 48 30.3 (Z'N')

14 eP 01 25 33.0 (Z)
 eS 26 24.0 (ZN)

eP 01 51 09.0 (Z)
 eS 59.0 (ZNE)

iP C 04 32 35.6 (Z)
 eS 33 04.1 (E)

iP C 04 58 35.9 (Z)
 iS 59 30.9 (ZNEZ'E')

eP 05 27 45.3 (Z)
 eS 29 19.1 (ZNE)

eP 06 04 27.1 (Z)
 iS 05 36.1 (ZN)

eP 10 42 39.1 (Z)
 eS 43 43.7 (ZNE)

eiP 10 58 38.2 (Z)
 iS 59 25.2 (ZNE)

eiP D 11 28 40.0 (Z)

eiP D 12 44 44.9 (Z)
 i 50.0 (Z)

i 48 50.2 (Z)

i 54 57.0 (N'E')

i 58 04.2 (Z'N'E')

i 13 08 08.2 (E')

iL 35 52.2 (Z'N'E')

iP D 15 51 48.9 (Z)
 iS 52 09.2 (ZNE)

iP C 16 57 23.3 (Z)
 iS 27.6 (ZNE)

15 eP 02 14 34.1 (Z)
 e 17 48.0 (Z')

eL 43 18.0 (N')

iL 47 04.0 (Z')

i 53 28.0 (E')

T:01.2 A:04.0

T:00.5 A:10.0

T:00.9 A:01.1

T:20.0 A:12.0

T:28.0 A:21.5

T:44.0 A:06.0

T:44.0 A:16.0

T:20.0 A:10.0

15	iP	C 04 25	40.0 (Z)		18	eP	19 31 25.3 (Z)	
	iS		52.0 (ZNE)			iS	32 19.8 (ZNE)	
	iP	D 06 43	01.0 (Z)			e(P)	20 33 32.3 (Z)	
	iS		17.9 (ZNE)			iS	34 13.9 (ZNE)	
	eiP	08 00	05.6 (Z)			e(P)	23 06 44.9 (Z)	
	i	08 08	12.1 (Z')	T:28.0 A:08.0		iS	07 42.3 (ZNE)	
	eiP	D 10 25	55.8 (Z)		19	eiP	01 33 46.0 (Z)	
	iS		26 28.9 (ZNE)			iS	35 20.0 (ZNE)	
	iP	C 15 40	55.9 (Z)			eP	04 56 59.1 (Z)	
	iS		41 23.1 (ZNE)			eS	57 56.1 (Z)	
	iP	C 19 50	22.1 (Z)			eP	06 23 37.4 (Z)	
	iS		51 02.9 (ZNE)			i	48.6 (Z)	
	iP	C 20 22	54.1 (Z)			i	25 24.9 (Z'N'E')	
	eS		23 09.2 (Z)			i	35 32.1 (Z'N'E')	
	iP	D 21 45	55.5 (Z)			i	42 40.1 (Z'N'E')	
	iS		46 20.3 (Z)			e	57 18.1 (N')	
	iP	D 22 33	31.8 (Z)			eL	07 02 26.1 (Z'N'E')	
	iS		34 26.3 (ZNE)			e	10 40.1 (Z')	
16	iP	C 02 43	06.2 (Z)			eiP	14 32 12.2 (Z)	
	iS		44 07.9 (ZNE)			iP	D 14 45 13.6 (ZZ')	
	iP	D 03 01	13.1 (Z)			e	49 48.2 (N'E')	
	iS		24.4 (ZNE)			iP	C 16 36 36.2 (Z)	
	i(P)	D 05 21	00.3 (Z)			i	39.2 (Z)	
	iP	C 09 33	56.0 (Z)			i(S)	55.0 (Z)	
	iS		34 18.8 (ZNE)			iP	C 18 26 09.3 (Z)	
	eiP	13 39	34.8 (Z)		20	eP	00 25 41.4 (Z)	
	i		46.2 (ZN)			eiP	03 46 15.1 (Z)	
	iS		40 45.4 (ZNE)			eS	47 07.0 (ZNE)	
	i		41 12.2 (Z)			eP	05 44 28.1 (Z)	
	i(P)	D 15 01	23.4 (ZNE)			eS	45 16.4 (ZNE)	
	eP	22 12	56.3 (Z)			eiP	14 17 58.5 (Z)	
	iS		13 18.9 (ZNE)			iS	18 26.2 (ZNE)	
	iP	C 23 05	14.4 (Z)			eP	16 59 44.2 (Z')	
	iS		06 47.3 (ZN)			e	17 06 16.2 (E')	
17	eiP	05 02	58.2 (Z)			e	09 08.2 (Z')	
	iS		04 26.1 (ZNE)			e	14 48.2 (Z'N'E')	
	eiP	06 56	47.7 (Z)			eL	29 36.2 (Z')	T:32.0 A:42.0
	iS		58 19.2 (ZNE)			e	36 52.2 (Z')	
	iP	C 14 28	46.3 (Z)			eP	17 48 06.2 (Z)	
	iS		29 03.6 (ZNE)			iP	D 19 14 01.0 (Z)	
	eP	19 57	30.5 (Z)			iS	14.2 (ZNE)	
	eS		58 09.7 (ZN)			iP	D 19 16 37.0 (Z)	T:01.0 A:01.2
18	iP	D 03 14	58.1 (Z)			eP	19 35 05.2 (Z)	
	iS		16 21.0 (ZNE)			eP	20 33 12.4 (Z)	
	iP	C 06 34	01.5 (Z)			iS	34 42.3 (ZNE)	
	iS		11.7 (ZNE)			eP	21 34 24.8 (Z)	
	iP	C 07 08	42.5 (Z)			i	44 30.1 (Z'N'E')	
	iS		46.4 (ZNE)			e	46 40.3 (Z')	
	iP	D 17 24	50.6 (Z)			e(P)	21 49 26.3 (Z)	
	iS		26 13.1 (NE)			iS	51 06.9 (ZE)	
	eiP	17 46	07.4 (Z)			eiP	23 11 06.4 (Z)	
	iS		47 08.2 (ZN)			iS	12 22.3 (ZNE)	
	eP	18 21	48.7 (Z)		21	eP	C1 40 27.0 (Z)	
	eS		22 29.5 (ZN)			iP	C 02 21 41.2 (Z)	
						eS	22 08.0 (ZNE)	

21 iP D 02 56 59.0 (Z)
 iS 58 01.4 (ZNE)
 eP 04 45 46.3 (Z)
 iP D 07 06 28.3 (Z)
 eS 07 00.7 (ZNE)
 eP 10 28 25.1 (Z)
 iS 55.1 (ZNE)
 eiP 12 21 12.3 (Z)
 eP 13 40 25.2 (Z)
 iS 45.2 (ZNE)
 ei(P) 14 09 59.0 (Z)
 eS 10 16.7 (Z)
 i(P) D 14 11 30.8 (Z)
 i(S) 12 13.4 (ZNE)
 eP 16 52 21.2 (ZZ')
 i 40.0 (Z)
 i 17 00 25.4 (Z'N'E')
 e 04 14.2 (N')
 e 06 16.2 (Z'N')
 i 12 06.2 (Z')
 e(P) 19 58 52.2 (Z)
 eS 59 15.4 (ZNE)
 iP D 23 17 47.3 (Z)
 iP C 23 51 51.0 (ZZ')
 i 52 24.8 (Z)
 i 38.1 (Z)
 22 eP 00 23 17.9 (Z)
 eS 54.5 (NE)
 eP 01 10 02.2 (Z)
 iS 56.0 (ZNE)
 eP 02 41 02.9 (Z)
 eP 03 47 07.2 (Z)
 i 54.2 (NE)
 eP 04 24 50.8 (Z)
 eP 07 07 30.9 (Z)
 eP 07 53 58.1 (Z)
 iS 54 13.1 (ZNE)
 iP 10 01 08.8 (Z)
 iS 15.8 (ZNE)
 eP 10 54 59.1 (Z)
 iP 12 43 30.7 (Z)
 eS 47.2 (ZN)
 eiP 13 26 35.4 (Z)
 eP 17 44 02.2 (Z)
 iP C 18 54 53.9 (Z)
 23 e(P) 00 35 40.5 (Z)
 e(S) 36 43.6 (Z)
 iP D 02 15 53.3 (Z)
 iS 16 07.2 (ZN)
 e(P) 04 12 43.1 (Z)
 e(S) 13 51.1 (Z)
 iP C 05 02 16.1 (Z)
 iS 34.4 (ZNE)
 e(P) 06 19 52.1 (Z)

23 eP 07 29 44.9 (Z)
 eS 30 46.1 (ZNE)
 e(P) 14 35 20.2 (Z)
 iS 37 26.3 (ZNE)
 iP 16 37 15.4 (Z)
 eS 33.2 (ZNE)
 iP C 17 30 26.2 (Z)
 iS 37.2 (ZNE)
 iP C 22 14 11.7 (Z)
 iS 24.5 (ZNE)
 iP D 22 20 52.4 (Z)
 eS 22 06.3 (Z)
 eP 22 43 22.3 (Z)
 iS 45 07.8 (ZNE)
 24 eP 01 07 03.0 (Z)
 e 08 44.5 (Z)
 eP 02 43 49.4 (Z)
 iS 44 26.0 (ZE)
 eP 05 46 24.6 (Z)
 eP 13 01 43.5 (Z)
 eS 02 41.7 (ZNE)
 iP C 20 20 43.1 (Z)
 iS 57.8 (ZN)
 25 iP D 01 20 59.5 (Z)
 iS 22 31.5 (ZNE)
 eP 10 02 35.1 (Z)
 e(L) 40 08.1 (Z')
 e(P) 12 54 09.2 (Z)
 e 55 41.7 (Z)
 iP D 17 27 44.6 (Z)
 eS 58.7 (ZNE)
 iP D 20 51 33.5 (Z)
 iS 52 08.1 (ZNE)
 26 iP C 01 00 33.0 (Z)
 iS 01 01.6 (NE)
 eP 02 05 27.3 (Z)
 eiP 02 53 52.1 (Z)
 eS 54 10.0 (ZNE)
 eiP C 05 05 31.1 (Z)
 i 40.3 (Z)
 i 53.1 (Z)
 e 09 34.1 (Z)
 e 13 14.4 (Z)
 e 24 12.1 (N')
 e 28 46.1 (E')
 e 40 20.1 (Z'N')
 eL 48 42.1 (N'E')
 eL 57 50.1 (Z')
 eP 08 15 06.3 (Z)
 eP 09 13 05.7 (Z)
 i 12.0 (Z)
 e(P) 09 15 58.1 (Z)
 e(S) 16 58.6 (Z)
 iP C 16 36 50.1 (Z)
 iS 37 06.2 (ZNE)

T:01.2 A:01.2

26 eiP 20 37 54.3 (Z)
 i 38 04.8 (Z)
 i 47.3 (Z)
 iS 39 09.8 (Z)
 iP C 01 04 25.4 (Z)
 iS 53.3 (ZNE)
 iP D 23 09 03.6 (Z)
 e(S) 30.8 (N)
 27 iP D 01 30 26.9 (Z)
 iS 45.0 (ZNE)
 eP 02 41 56.0 (Z)
 e 42 23.5 (Z)
 eP 11 24 12.9 (Z)
 eiP 13 05 06.0 (Z)
 iS 06 02.8 (ZNE)
 iP C 14 45 18.4 (Z)
 iS 29.2 (NN'E')
 e 15 15 08.2 (Z')
 e 25 08.2 (Z')
 iP C 16 41 35.2 (Z)
 iS 50.2 (ZE)
 eP 16 54 09.2 (Z)
 iS 27.4 (ZE)
 eP 23 44 23.3 (Z)
 eS 19.8 (ZNE)
 28 eP 01 55 11.5 (Z)
 iP C 02 45 07.1 (Z)
 iS 40.2 (ZNE)
 eP 02 56 36.0 (Z)
 iS 57 13.4 (ZNE)
 iP C 04 38 12.2 (Z)
 iS 28.9 (N'E')
 iP D 04 43 37.7 (Z)
 eS 57.3 (ZNE)
 iP D 05 26 44.1 (Z)
 iS 59.2 (ZNE)
 eP 06 41 23.1 (Z)
 iS 42 22.3 (ZNE)
 iP C 06 48 19.2 (Z)
 iS 52.6 (ZNE)
 eP 07 28 25.8 (Z)
 eS 38.3 (ZNE)
 eP 08 02 02.7 (Z)
 eS 21.5 (ZNE)
 e(P) 11 08 25.1 (Z)
 e(S) 09 23.1 (ZNE)
 eP 11 58 27.6 (Z)
 iS 59 29.1 (ZNE)
 iP C 15 07 49.1 (Z)
 iS 08 32.2 (ZNE)
 eP 15 22 05.2 (Z)
 e(S) 25 20.2 (Z'N'E')
 iP C 18 59 49.2 (Z)
 iS 53.2 (ZNE)

28 eP 19 05 10.2 (Z)
 eS 25.2 (ZNE)
 29 eP 02 56 03.2 (Z)
 eS 38.0 (ZNE)
 eP 04 48 31.9 (Z)
 iS 36.2 (ZNE)
 eP 05 06 29.2 (Z)
 iS 57.1 (ZNE)
 eiP 05 19 10.9 (Z)
 i 20 06.1 (Z)
 iP D 06 07 43.0 (Z)
 iS 59.0 (ZNE)
 eP 06 22 22.7 (Z)
 iS 23 54.1 (ZNE)
 iP C 09 24 20.1 (Z)
 e 34 08.1 (N'E')
 e 35 56.1 (Z') T:24.0 A:14.0
 eiP 10 38 20.1 (ZZ')
 i 29.1 (Z)
 e 41 27.3 (Z'N'E')
 e 53 55.7 (Z')
 e 59 28.1 (N'E')
 e 11 17 00.1 (Z'N') T:36.0 A:131.0
 eL 24 00.1 (Z')
 eL 34 55.1 (Z')
 eP 15 56 41.2 (Z)
 e 16 26 26.2 (Z')
 eiP 17 02 53.0 (Z)
 e 46 34.2 (Z'E')
 iP C 19 32 34.0 (Z)
 iS 33 24.6 (ZE)
 iP C 21 22 42.8 (Z)
 iS 23 55.8 (ZNE)
 30 e(P) 00 01 52.0 (Z)
 iS 02 19.5 (ZNE)
 eP 00 43 12.0 (Z)
 eS 25.0 (ZNE)
 eP 03 21 11.5 (Z)
 iP D 04 03 16.1 (Z) T:01.2 A:10.0
 i 50.1 (Z)
 i 07 33.1 (ZZ')
 e 10 20.1 (Z')
 e 20 30.1 (Z')
 eP 04 44 08.0 (Z)
 e 48 03.6 (Z)
 iP D 05 14 35.1 (Z)
 iS 47.1 (ZNE)
 eP 05 48 35.1 (Z)
 eS 49 32.1 (NE)
 iP C 07 04 39.5 (Z)
 iS 05 12.3 (ZNE)
 iP C 09 25 22.8 (Z)
 iS 44.1 (Z'N'E')
 iP C 20 14 07.0 (Z)
 i 18.4 (Z)
 iS 15 12.2 (E')

30 iP C 20 22 12.1 (Z)
eS 27.8 (ZN)
eiP 22 12 32.6 (Z)
iS 13 41.1 (ZNE)
eP 22 25 26.3 (Z)
iS 26 15.3 (ZNE)
31 eiP 00 58 06.0 (Z)
iP C 02 06 25.0 (Z)
iS 08 50.0 (ZNE)
iP C 03 18 17.2 (Z)
e 45.0 (Z)
iP C 04 34 30.1 (Z)
iP C 05 24 58.1 (Z)
iS 25 43.1 (ZNE)
iP D 05 35 19.5 (Z)
iS 38.5 (ZNE)
eP 07 11 09.6 (Z)
eS 12 08.5 (ZNE)
eP 09 10 18.6 (Z)
eP 09 11 57.5 (Z)
eS 12 34.9 (ZNE)
iP C 14 12 10.4 (Z)
iS 37.4 (Z'N')
iP D 14 20 54.0 (Z)
eS 21 20.2 (N)
iP C 17 26 37.5 (Z)
iP C 17 46 50.0 (Z)
iS 47 00.4 (ZNE)
iP C 21 23 42.1 (Z)
iS 58.7 (ZNE)
iP C 22 43 07.3 (Z)

C: compresión

D: dilatación

Arequipa, Febrero 5 de 1968.

Universidad Nacional de San Agustín
Instituto Geofísico
Sección de Sismología
Casilla 23
Arequipa, Perú.

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E')... Amplificación: 1,500

FEBRERO, 1968

1	iP	C 00	44	33.7	(Z)	3	eiP	05	14	56.6	(Z)		
	iS		45	09.9	(E)		iS		15	51.3	(ZNE)		
	eP	00	46	45.8	(Z)		iP	C 05	17	44.1	(Z)		
	iS		47	00.0	(NE)		iS		18	09.5	(NE)		
	eP	03	15	05.8	(Z)		iP	C 05	44	15.5	(Z)	T:01.5 A:04.0	
	iS			36.6	(ZNE)		i		45	24.1	(Z)		
	eP	05	19	19.1	(Z)		e(S)		50	46.1	(Z'N'E')		
	iS						i		57	18.1	(Z')		
	eP	07	32	50.7	(Z)		iP	C 05	51	52.8	(Z)		
	iS		33	36.3	(E)		iS		52	20.4	(E)		
	eP	08	10	34.3	(Z)		eP	06	57	56.3	(Z)		
	iP	C 11	11	04.6	(Z)		eS		58	16.8	(Z)		
	iS			14.6	(NE)		iP	D 08	06	10.1	(Z)		
	iP	13	52	54.0	(Z)		iS		07	15.8	(NE)		
	iS			59.3	(ZNE)		iP	D 11	44	37.8	(Z)		
	i(P)	15	39	34.3	(Z)		iS		46	07.8	(N')		
	iS			46.8	(E)		iP	D 13	25	05.2	(Z)		
	e(P)	19	09	02.3	(Z)		iS			19.7	(ZNE)		
	iS			47.3	(E)		iP	D 15	48	03.6	(Z)	T:01.2 A:09.2	
2	iP	C 00	19	40.5	(Z)		i			44.3	(Z)		
	iS		21	00.6	(Z)		i		50	10.7	(Z)		
	eiP	02	08	30.0	(Z)		e		54	02.2	(N'E')		
	iP	C 02	53	46.9	(Z)		iP	D 16	38	44.7	(Z)		
	iS		54	16.3	(Z)		iS		39	00.0	(ZNE)		
	iP	D 03	22	34.3	(Z)		4	eP	00	33	21.0	(Z)	
	iS			56.3	(ZNE)		e		34	40.5	(Z)		
	eP	03	51	02.6	(Z)		eP	02	01	54.0	(Z)		
	iS			29.3	(N)		iS		02	08.5	(ZNE)		
	iP	D 03	52	51.6	(Z)		eP	04	16	14.0	(Z)		
	iS		53	09.4	(ZE)		eS			28.0	(ZN)		
	e(P)	05	05	08.1	(Z)		eiP	04	26	32.5	(Z)		
	iS		06	04.1	(ZE)		iS		27	04.0	(N)		
	iP	C 07	54	10.7	(Z)		eP	05	42	20.6	(Z)		
	iS			28.0	(ZNE)		iS			25.8	(ZNE)		
	e(L)	11	23	28.1	(Z')		eP	09	29	47.6	(Z)		
	eiP	11	52	42.2	(Z)		iP	C 11	28	33.5	(ZZ')		
	iS		53	28.9	(ZE)		i(S)		29	22.1	(N'E')		
	iP	C 16	42	25.2	(Z)		i(S)		30	14.1	(N'E')		
	iS			40.7	(E)		iP	C 12	30	21.5	(Z)		
3	iP	02	09	19.0	(Z)		iS			46.3	(ZNE)		
	iS			24.6	(ZNE)		iP	21	02	43.5	(Z)		
	eP	02	45	16.2	(Z)		iS		03	06.8	(ZNE)		
	i			26.2	(Z)		iP	23	49	47.3	(Z)		
	iS		46	21.7	(E)		iS		50	04.1	(NE)		
	eP	03	40	35.8	(Z)		5	iP	C 01	36	28.2	(ZZ')	
	iP	D 04	17	33.3	(Z)		iS			56.0	(N'E')		
	iS			45.0	(ZNE)								

5 iP C 02 34 58.8 (Z)
i(S) 36 51.2 (NE)
eP 03 16 09.5 (Z)
iS 29.3 (E)
eP 10 26 26.6 (Z)
iS 27 04.1 (N)
eP 11 24 02.1 (Z)
eP 13 06 17.3 (Z)
iS 37.7 (ZNE)
iP C 13 45 54.7 (Z)
iS 46 15.8 (Z)
eiP 22 46 22.3 (Z)
iS 54.1 (N)
6 iP C 01 20 29.0 (Z)
iS 52.5 (NE)
eP 03 27 46.7 (Z)
i 28 00.0 (Z)
iS 57.7 (N)
i(S) 29 20.8 (E)
eP 04 57 17.2 (Z)
e 38.5 (Z)
eP 05 33 09.6 (Z)
i 27.8 (Z)
iS 34 49.0 (NE)
i(S) 35 13.6 (NE)
iP C 06 28 10.3 (Z)
iS 22.1 (ZNE)
eP 11 22 13.1 (Z)
i 18.8 (Z)
i 37.6 (ZN)
iS 24 26.6 (ZNN'E')
i(S) 25 27.3 (Z)
iP C 16 39 32.2 (Z)
iS 47.7 (Z)
iP C 22 36 08.3 (Z)
iS 19.6 (NE)
7 iP C 00 41 38.8 (Z)
iP D 02 21 43.4 (Z)
iS 57.2 (ZNE)
eP 07 41 04.1 (Z)
iS 42 03.4 (N)
eiP D 08 47 37.8 (Z)
eiP 09 28 32.8 (Z)
iP C 10 41 03.8 (Z)
iS 28.7 (N)
eiP 11 54 58.7 (Z)
iS 56 15.7 (E)
iP C 14 18 14.0 (Z)
iS 29.8 (N')
eiP 15 30 13.2 (Z)
iS 31 35.9 (N)
eiP 21 14 38.8 (Z)
iS 53.1 (N)
8 iP C 00 12 17.7 (Z)
iS 31.9 (ZNE)

8 i(P) 00 34 21.5 (Z)
iS 48.8 (ZNE)
iP D 07 07 58.3 (Z)
iS 08 15.0 (ZNE)
eiP D 07 46 04.1 (Z)
iS 27.7 (E)
i(P) 09 35 20.4 (Z)
i 24.6 (Z)
iS 36 11.1 (Z)
eiP 10 11 29.0 (Z)
i 38.1 (Z)
i 12 21.4 (Z)
iS 35.6 (Z)
iP D 14 37 31.8 (Z)
iS 44.9 (ZNE)
iP D 22 51 57.9 (Z)
i 53 17.9 (Z)
iS 29.4 (ZNE)
9 eP 00 07 47.5 (Z)
eP 02 00 58.0 (Z)
iS 01 43.3 (N)
eP 02 39 05.0 (Z)
iS 40 28.5 (E)
eP 04 28 14.5 (Z)
iS 29 17.1 (E)
eP 05 02 09.8 (Z)
iS 47.6 (ZNE)
e(P) 06 10 28.6 (Z)
iP C 16 29 22.8 (Z)
iP C 16 33 19.2 (Z)
i(S) 34.5 (ZNE)
10 eP 02 11 15.7 (Z)
eiP 03 00 49.2 (Z)
iS 01 25.1 (N)
iP C 03 13 44.4 (Z)
iS 14 11.5 (E)
eiP 03 24 17.5 (Z)
iS 49.2 (E)
e(P) 07 13 50.1 (Z)
eP 10 19 14.7 (Z)
iP C 16 44 21.9 (Z)
iS 35.0 (N)
eiP 18 33 03.7 (Z)
eiP 23 18 42.4 (Z)
iS 59.3 (ZNE)
11 eP 00 59 00.7 (Z)
iS 01 00 16.2 (NE)
iP C 02 14 06.3 (Z)
iS 23.4 (Z)
eiP D 02 44 46.3 (Z)
eP 05 08 32.3 (Z)
e 10 19.1 (Z)
iP C 05 29 17.8 (Z)
iS 46.8 (N)

T:00.8 A:02.0

11	iP	C 09 28	42.7 (Z)		14	iP	D 07 46	26.1 (Z)
	iS		54.1 (N)			iS		43.1 (ZNE)
	iP	C 11 04	25.6 (Z)			eP	08 12	14.1 (Z)
	eiP	12 35	05.3 (Z)			i(S)	13	56.1 (E)
	iP	D 20 58	11.2 (Z)	T:01.6 A:01.6		iP	C 16 34	04.5 (Z)
	iP	C 21 20	31.1 (Z)			iS	35	15.6 (ZNE)
	iS	21 00	00.3 (ZNE)			iP	C 23 21	24.7 (ZZ')
	iP	D 21 53	18.8 (Z)			eS		54.2 (N')
	iS	54	13.1 (ZNE)		15	i(P)	00 23	04.7 (Z)
	eiP	22 44	09.9 (Z)			i	24	44.0 (Z)
	iS		35.3 (E)			iP	C 03 19	54.1 (Z)
12	eP	03 54	06.0 (Z)			iS	21	00.0 (ZNE)
	iS	55	37.2 (N)			eP	06 27	11.9 (Z)
	iP	04 53	09.5 (Z)			iS		40.1 (ZNE)
	iS		26.3 (Z)			eP	07 50	05.1 (Z)
	iP	06 03	55.9 (ZZ')			eP	08 08	03.1 (Z)
	i(S)	06	12.1 (Z'N'E')			eS		19.3 (Z)
	i	07	19.4 (ZZ')			eP	11 29	13.6 (Z)
	i	23	46.1 (N')			iS		42.8 (ZNE)
	eP	06 48	36.4 (Z)			iP	C 13 57	07.8 (Z)
	iS		54.4 (E)			iS		28.3 (ZNE)
	e(P)	C 07 38	41.6 (Z)			iP	C 15 19	38.3 (Z)
	iP	C 09 19	30.4 (Z)			iS		56.7 (ZNE)
	iS		49.0 (ZNE)			iP	D 16 38	29.9 (Z)
	eP	09 29	44.1 (Z)			iS		49.9 (NE)
	e(P)	10 11	25.1 (Z)			iP	C 17 36	29.4 (Z)
	iP	D 11 43	17.3 (Z)			iS	37	23.5 (ZNE)
	i(S)	44	12.1 (E')		16	iP	C 00 55	47.5 (Z)
	i(S)		24.1 (Z'N')			iS	56	20.1 (Z)
	iP	16 27	00.7 (Z)			iP	C 01 59	03.6 (Z)
	iS		15.7 (ZNE)			iS		30.5 (E)
	iP	18 30	13.2 (Z)			iP	D 04 05	11.7 (Z)
	iS		29.0 (N)			iS		18.0 (N'E')
13	eiP	02 32	09.4 (Z)			eP	05 25	11.3 (Z)
	i		15.2 (Z)			iS		31.5 (Z)
	iP	D 08 00	11.0 (Z)	T:00.7 A:14.0		eP	07 22	47.7 (Z)
	i	02	44.3 (ZNE)			iS	23	44.6 (E)
	iP	D 08 42	54.3 (Z)			eP	07 50	42.1 (Z)
	iS	43	17.9 (ZE)			iP	C 09 43	24.7 (Z)
	iP	C 12 09	11.6 (Z)			iS		40.1 (E)
	iS		17.1 (ZNE)			iP	C 12 17	24.5 (Z)
	iP	C 16 39	42.7 (Z)			iS		40.1 (F)
	i(S)		58.7 (E)			iP	C 16 42	00.7 (Z)
	iP	C 18 53	19.1 (Z)			iS		15.7 (Z)
	iS		35.2 (N)			iP	D 18 19	43.5 (Z)
	iP	C 23 43	29.8 (Z)			iS		55.4 (ZNE)
	iS		57.2 (ZE)			eP	18 57	51.2 (Z)
14	eP	02 59	44.5 (Z)			iS	58	32.7 (N)
	iS	03 01	15.7 (NE)		17	eiP	02 10	57.3 (Z)
	eP	04 48	40.5 (Z)			iP	C 02 38	58.7 (Z)
	iS		57.7 (ZNE)			iS	39	13.7 (ZNE)
	eP	06 10	19.1 (Z)			eiP	03 18	45.6 (Z)
	eP	06 28	11.7 (Z)			iS	19	28.9 (N)
						eiP	03 21	27.7 (Z)
						iS	22	22.5 (N)

17 iP D 06 14 20.2 (Z)
 iS 24.8 (ZNE)
 iP D 07 20 45.3 (Z)
 iS 55.8 (ZNE)
 iP C 09 10 17.3 (Z)
 i 41.2 (ZNE)
 iS 54.6 (ZNE)
 iP D 17 39 53.3 (Z)
 iP D 17 51 27.7 (Z)
 iP C 23 09 03.5 (Z)
 i 32.0 (ZE)
 iS 39.2 (ZN)
 iP C 23 53 53.2 (Z)
 iS 54 04.7 (ZNE)
 13 eiP 01 18 54.3 (Z)
 iS 19 15.3 (N)
 eP 01 31 07.0 (Z)
 iP D 05 20 30.6 (Z)
 i 45.3 (Z)
 i 24 26.5 (Z)
 iP D 07 06 21.1 (Z)
 eiP 08 06 43.6 (Z)
 iS 08 11.4 (N)
 i 09 13.0 (NE)
 eiP C 09 48 23.1 (Z)
 i 28.8 (Z)
 i 38.9 (Z)
 iP C 10 39 25.6 (Z)
 iS 57.6 (E)
 iP 10 54 08.8 (Z)
 iP D 11 02 53.2 (Z)
 iS 03 10.5 (ZNE)
 iP C 12 51 29.9 (Z)
 iS 43.1 (ZNE)
 iP C 22 50 33.9 (Z)
 iS 51 31.1 (ZNE)
 eiP 22 54 13.3 (Z)
 19 eP 00 50 53.0 (Z)
 iS 51 21.5 (E)
 eP 01 51 54.6 (Z)
 iS 52 15.0 (Z)
 eP 03 00 27.5 (Z)
 e 02 16.0 (Z)
 iP D 05 00 55.4 (Z)
 e 05 06.3 (Z)
 eP 05 44 24.1 (Z)
 iS 43.4 (ZNE)
 iP C 06 47 25.5 (Z)
 eP 08 49 43.8 (Z)
 iS 50 12.1 (ZNE)
 iP C 08 57 32.8 (Z)
 iS 58 01.4 (N)
 i(P) 14 14 19.6 (Z)
 iP D 14 32 18.7 (Z)
 iS 33 15.6 (NE)

T:01.0 A:02.4

T:00.9 A:01.6
 T:00.9 A:10.1
 T:01.2 A:09.1

19 eP 15 08 35.7 (Z)
 iS 09 11.6 (N)
 iP C 20 10 05.1 (Z)
 iS 34.5 (NE)
 eP 22 59 55.9 (ZZ')
 e 23 04 08.7 (ZZ')
 i(S) 10 38.2 (N'E')
 i 13 36.2 (N'E')
 iL 31 00.2 (N'E')
 iL 35 44.2 (Z')
 20 iP D 00 50 03.9 (Z)
 i 36.8 (Z)
 iP D 02 27 05.0 (Z)
 i 28.6 (Z)
 i 29 24.5 (Z)
 iP C 03 04 09.5 (Z)
 iS 28.0 (N)
 iP C 06 18 05.1 (Z)
 iS 19 37.8 (ZNE)
 iP C 07 40 50.4 (Z)
 iS 42 05.7 (E)
 i 47 46.1 (E)
 eP 10 32 34.8 (Z)
 i 35 19.0 (Z)
 iP D 15 50 34.2 (Z)
 i 51 02.4 (Z)
 iS 10.3 (NE)
 iP C 18 52 29.2 (Z)
 iS 42.7 (ZNE)
 iP 21 41 18.7 (Z)
 i 29.4 (Z)
 iS 43 24.2 (ZNN'E')
 iP D 22 21 15.2 (Z)
 iS 32.3 (ZNE)
 eP 22 40 39.5 (Z)
 iS 41 44.1 (ZE)
 21 eP 02 05 12.0 (Z)
 eiP 05 45 23.3 (Z)
 iP D 05 51 13.0 (Z)
 iS 34.1 (ZNE)
 iP D 06 37 55.7 (Z)
 eS 38 57.1 (ZNE)
 iP 09 13 43.1 (Z)
 iS 14 07.1 (ZNE)
 iP C 09 17 46.1 (Z)
 i 18 00.1 (Z)
 iP C 09 24 56.3 (Z)
 iS 25 25.0 (ZNE)
 iP C 09 29 47.1 (Z)
 iS 30 49.4 (ZNE)
 e(P) 10 30 02.1 (Z)
 iP C 13 25 28.0 (Z)
 iS 26 00.1 (N)
 iP C 15 41 02.0 (Z)
 iP C 16 42 56.6 (Z)
 i(S) 43 14.2 (E)

T:01.0 A:07.0

T:01.0 A:33.6

T:01.0 A:17.0

22 eP 02 11 06.8 (Z)
 iP C 03 00 55.5 (Z)
 iS 01 24.2 (N)
 eP 07 00 40.6 (Z)
 iP C 15 59 50.6 (Z)
 iS 16 00 19.7 (ZNE)
 e(L) 20 01 08.2 (Z')
 iP C 23 36 42.0 (Z)
 iS 58.2 (ZNE)
 23 iP C 02 40 11.4 (Z)
 eP 02 42 15.5 (Z)
 iS 43 15.3 (Z)
 iP 02 51 46.3 (Z)
 eS 52 04.7 (E)
 eP 05 30 18.6 (Z)
 iS 33.5 (ZNE)
 eP 06 39 37.7 (Z)
 iS 40 01.7 (ZNE)
 iP 07 15 59.0 (Z)
 iS 16 11.1 (NE)
 eiP 08 51 55.4 (Z)
 iS 52 30.7 (ZNE)
 iP 10 23 08.8 (Z)
 iS 24 39.9 (N)
 iP C 16 36 04.2 (Z)
 iS 19.7 (N)
 iP C 20 40 06.2 (Z)
 iS 22.4 (N)
 24 iP D 01 24 32.5 (Z)
 eL 54 44.0 (Z'E')
 eP 04 53 46.5 (Z)
 iP C 05 43 23.6 (Z)
 iS 51.6 (NE)
 iP C 07 31 49.8 (Z)
 i 32 08.1 (Z'E')
 i 14.1 (N')
 eP 07 56 40.1 (Z)
 iS 55.1 (NE)
 eP 07 58 56.1 (Z)
 iS 59 10.1 (E)
 iP C 13 18 04.5 (Z)
 iS 34.1 (ZNE)
 iP C 15 44 17.6 (Z)
 eP 17 09 26.7 (Z)
 iP 17 34 13.1 (Z)
 iS 32.7 (ZNE)
 i(P) 18 24 34.6 (Z)
 iP C 23 38 47.1 (Z)
 iS 39 13.8 (ZNE)
 25 eP 00 25 45.5 (Z)
 iS 26 15.1 (N)
 eP 04 50 19.0 (Z)
 iS 51 02.0 (N)
 i(P) 04 53 25.2 (Z)
 i(S) 54 07.2 (E)

T:00.8 A:40.5

25 eP 16 28 09.8 (Z)
 iS 49.8 (ZNE)
 eP 20 20 00.6 (Z)
 eiP 23 43 03.2 (Z)
 iS 35.7 (ZNE)
 26 iP D 05 53 18.2 (Z)
 iS 54 13.6 (NE)
 i(S) 38.1 (Z)
 eP 08 55 04.9 (Z)
 eS 37.1 (E)
 iP D 11 10 25.1 (Z)
 i 15 15.3 (ZZ')
 i 25 32.1 (Z'E')
 i(L) 35 58.1 (N'E')
 eP 12 57 36.1 (Z)
 iP D 12 58 35.2 (Z)
 iS 49.1 (ZNE)
 iP C 16 46 42.8 (Z)
 iS 47 02.1 (ZNE)
 iP D 18 53 52.1 (Z)
 iS 54 09.7 (ZNE)
 eP 21 47 50.7 (Z)
 iP 22 38 50.2 (Z)
 iS 56.3 (ZNE)
 eiP 22 59 27.7 (Z)
 iS 23 00 59.8 (ZE')
 27 iP C 00 54 10.5 (Z)
 iS 29.2 (ZNE)
 eiP 02 40 46.0 (Z)
 iS 41 09.7 (ZNE)
 eP 02 51 19.0 (Z)
 eP 03 13 36.3 (Z)
 iS 55.7 (ZNE)
 eiP 05 04 13.9 (Z)
 iS 50.9 (")
 eP 05 38 46.4 (ZZ')
 i 39 00.6 (Z)
 i 41.1 (Z)
 eP 11 14 21.1 (Z)
 eP 11 27 21.4 (Z)
 iS 28 05.1 (ZE)
 i(P) 13 45 34.1 (Z)
 iS 46 46.8 (ZE)
 iP C 16 37 58.7 (Z)
 iS 38 14.0 (Z)
 28 eP 03 48 07.5 (Z)
 eP 05 40 00.0 (Z)
 iS 18.5 (NE)
 eP 08 39 10.3 (Z)
 iS 40 02.1 (ZN)
 eP 08 46 12.6 (Z)
 iS 33.2 (ZNE)
 iP C 09 25 54.6 (Z)
 iS 26 09.6 (NE)
 eP 10 10 12.4 (Z)
 iS 28.1 (NE)

T:01.8 A:08.5

28	iP	C	12	27	07.2	(Z)	T:01.0 A:05.0
	i				12.0	(Z)	
	i		28		37.4	(Z)	T:01.0 A:12.0
	i		30		44.1	(Z')	
	iP	C	16	36	06.6	(Z)	
	iS				21.1	(N)	
	eP		20	07	16.9	(Z)	
	iS			08	17.8	(NE)	
	iP	D	20	18	31.2	(Z)	
	iS				46.8	(NE)	
29	i(P)		02	40	14.8	(Z)	
	eP		02	53	51.0	(Z)	
	iS			54	13.0	(NE)	
	eP		04	18	56.3	(Z)	
	iS			19	11.5	(ZNE)	
	iP	C	05	59	19.4	(Z)	
	iS				36.6	(N)	
	eP		07	47	11.9	(Z)	
	iS				28.3	(ZNE)	
	eP		08	24	01.6	(Z)	
	iS				46.1	(N)	
	iP	D	13	23	05.2	(Z)	
	iS				36.6	(NE)	
	eP		17	19	32.6	(Z)	

C: compresión

D: dilatación

Arequipa, Perú 6 de 1968

Universidad Nacional de San Agustín
Instituto Geofísico
Sección de Sismología
Casilla 23
Arequipa, Perú

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E').- Amplificación: 1,500

MARZO, 1968

1	iP	C 00 02	35.0 (Z)		4	eiP	07 40	24.5 (Z)	
	iS		46.1 (ZNE)			iS	41 14.0	(ZNE)	
	eP	05 29	33.9 (Z)			iP	C 08 31	13.0 (Z)	
	iS		59.5 (ZNE)			iS		51.7 (N)	
	eP	07 02	54.0 (Z)			e(P)	09 52	05.8 (Z)	
	eP	10 30	01.6 (Z)			iP	D 10 25	49.1 (Z)	
	e	47	16.1 (Z')			iS	26	00.6 (ZNE)	
	eP	21 36	33.2 (Z)			iP	C 11 55	20.1 (Z)	
	eS		50.4 (ZNE)			iS		25.0 (ZNE)	
2	eP	03 27	10.5 (Z)			iP	15 47	27.6 (Z)	
	eP	06 40	05.6 (Z)			iS		32.0 (ZNE)	
	iP	D 10 50	56.5 (Z)			i(P)	21 57	45.7 (Z)	
	iS		51 20.8 (ZN)			i		55.5 (Z)	
	eiP	11 23	30.6 (Z)			iP	C 23 03	56.4 (Z)	
	iP	D 16 40	22.6 (Z)			iS	04	29.2 (E)	
	i		31.1 (Z)		5	eP	02 36	54.7 (Z)	
	iS		47.1 (E)			iS	37	14.1 (Z)	
	eP	20 37	38.2 (Z)			eP	02 58	34.5 (Z)	
	i	38	22.7 (Z)			iS		54.0 (ZNE)	
	eiP	22 00	29.2 (Z)			iP	D 03 31	22.2 (Z)	
	eL	23 07	38.2 (Z')			iS		39.5 (ZNE)	
3	eP	04 47	33.7 (Z)			iP	05 41	05.1 (Z)	
	iS	48	42.2 (ZNE)			iS		18.8 (N)	
	eP	08 31	06.1 (Z)			iP	06 08	09.5 (Z)	
	e	35	34.1 (Z'N')			iS		13.9 (E)	
	e(L)	39	00.1 (Z'E')			eP	06 32	48.7 (Z)	
	iP	D 08 32	21.4 (Z)			iP	17 44	18.5 (Z)	
	iS		34.1 (ZNE)			iS		33.5 (Z)	
	e(P)	08 56	54.6 (Z)			eP	18 36	38.1 (Z')	
	iS	58	29.1 (N)			e	41	18.1 (Z')	
	eiP	16 19	59.4 (Z)			e	51	20.1 (Z')	
	i	20	23.6 (Z)			e	19 02	16.1 (Z'N'E')	
	iP	C 19 52	49.4 (Z)			e(P)	18 58	50.1 (Z)	
	iS	53	24.1 (N)			iP	C 23 54	59.7 (Z)	
	iP	C 20 39	16.6 (Z)			iS	55	12.7 (ZN)	
	iS		39.9 (ZE)						
	eP	20 54	13.7 (Z)			6	eP	00 02	41.2 (Z)
	eP	23 14	50.7 (Z)			eS	03	22.0 (N)	
	i	15	30.9 (Z)	T:01.0 A:12.5		eP	00 32	08.8 (Z)	
	i	19	11.2 (ZE')			e	34	13.5 (Z)	
	i	25	16.2 (N'E')			eP	01 01	00.5 (Z)	
4	iP	D 01 31	07.0 (Z)			iS		37.5 (E)	
	iS		23.4 (ZNE)			eP	02 35	06.5 (Z)	
	eP	05 44	51.0 (Z)			iS		43.2 (E)	
	iP	C 06 47	23.4 (Z)			eP	03 28	30.0 (Z)	
	iS		42.1 (NE)			eS	29	31.0 (Z)	
						eP	03 47	04.5 (Z)	

6	eP	04 23	30.5 (Z)		8	iP	C 08 48	43.1 (Z)	
	iS	24	39.5 (NE)			iS		47.9 (ZNE)	
	eP	05 35	31.5 (Z)			eP	12 58	28.9 (Z)	
	iS	36	42.2 (ZE)			iS		36.0 (ZNE)	
	eP	05 44	43.9 (Z)			eP	16 32	51.9 (Z)	
	iP	D 11 38	11.6 (Z)			eS	33	10.4 (NE)	
	iS		38.1 (ZNE)			iP	D 23 55	43.2 (Z)	
	iP	D 15 32	03.1 (Z)			iS		56 08.9 (ZE)	
	iS		17.8 (ZE)		9	eiP	03 00	59.0 (Z)	
	iP	D 16 32	26.2 (Z)			iS	01	12.9 (ZNE)	
	eS		43.1 (E)			eP	03 38	25.8 (Z)	
	iP	D 17 47	06.6 (Z)			e(P)	03 50	49.2 (Z)	
	iS		48.4 (E)			eP	05 56	41.0 (Z)	
	iP	D 18 28	33.5 (Z)			e		49.9 (Z)	
	iS		44.6 (ZNE)			iS	57	37.1 (NE)	
	iP	C 22 48	44.7 (Z)			i(P)	06 44	31.6 (Z)	
	iS		57.5 (ZNE)			i	45	09.1 (Z)	
	eP	23 48	45.6 (Z)			iP	D 09 02	19.6 (Z)	
7	iP	D 00 11	44.5 (Z)			iS		58.4 (Z)	
	iS		12 00.0 (E)			iP	C 09 44	26.9 (Z)	
	eP	03 14	28.5 (Z)			iS		45.1 (ZNE)	
	eiP	05 26	50.0 (Z)			eiP	16 33	36.1 (Z)	
	iS	27	11.2 (NE)			eP	17 28	20.9 (Z)	
	iP	D 05 52	03.9 (Z)			iS	29	55.8 (ZE)	
	iS		21.5 (ZNE)			eiP	19 55	43.9 (Z)	
	iP	D 06 32	45.6 (Z)			iS	56	00.4 (Z)	
	iS		33 50.9 (N)			i(P)	C 20 45	53.7 (Z)	
	eP	07 16	18.6 (Z)			iS	47	00.2 (Z)	
	iP	C 07 25	13.1 (Z)		10	eiP	05 15	55.9 (Z)	
	e	08 08	36.1 (Z')			i(S)	16	29.4 (E)	
	iP	D 08 31	31.7 (Z)			iP	C 07 21	58.6 (Z)	
	eS		38.6 (NE)			iS	22	10.7 (ZNE)	
	iP	C 09 47	56.5 (Z)	T:01.6 A:02.5		iP	C 07 24	39.1 (Z)	T:01.2 A:02.5
	iP	10 41	48.1 (Z)			e	55	16.1 (N'E')	
	iS		42 26.0 (NE)			iP	D 20 36	33.1 (Z)	
	iP	D 13 41	36.0 (Z)			eP	22 49	32.1 (Z)	
	e		43 52.1 (Z')			iS		47.5 (ZNE)	
	e	14 01	24.1 (N'E')		11	eP	01 05	12.5 (Z)	
	e	18	52.1 (Z')			eiP	02 14	32.2 (Z)	
	iP	C 14 39	16.0 (Z)			iS	15	04.1 (ZN)	
	iS		37.1 (ZNE)			iP	C 03 02	28.9 (Z)	
	eP	20 49	41.4 (Z)			iS		57.2 (NE)	
	i(S)		42.4 (ZNE)			iP	D 05 17	24.1 (Z)	
	e(P)	23 54	59.2 (Z)			e(S)		54.0 (E)	
	i(S)	55	19.0 (ZNE)			eP	05 49	51.8 (Z)	
8	eP	00 01	36.8 (Z)			eP	05 51	22.0 (Z)	
	eP	04 12	06.2 (Z)			eS	52	36.0 (ZNE)	
	eP	05 58	36.1 (Z)			iP	C 08 39	55.9 (ZZ')	
	iS		51.8 (ZNE)			i(S)	50	26.1 (N'E')	
	eP	06 16	15.7 (Z)			i	51	20.1 (N')	T:16.0 A:10.5
	iP	06 37	48.1 (Z)			i	52	02.1 (N')	T:18.0 A:17.0
	iS		38 06.2 (NE)			i	58	00.1 (N')	
	iP	C 08 26	24.6 (Z)	T:01.1 A:02.0		e(L)	09 09	12.1 (Z')	
						iP	D 09 47	19.5 (Z)	
						iS		48.8 (NE)	

11	e(P)	08 56 17.4 (Z)		15	iP	D 03 36 15.1 (Z)
	iP	C 12 13 57.1 (Z)			iS	33.9 (NE)
	iS	14 31.3 (NE)			iP	04 17 20.0 (ZZ')
	iP	17 07 21.6 (ZZ')			i(S)	32.8 (E')
	e(S)	46.9 (Z'N'E')			iP	C 04 40 55.8 (Z)
	iP	D 19 33 58.2 (Z)			iS	41 23.7 (NE)
	iS	34 05.4 (ZNE)			eP	04 54 58.5 (Z)
12	eP	06 39 32.3 (Z)			iS	55 45.5 (N)
	eS	40 06.2 (NE)			e(P)	07 26 43.6 (Z)
	eP	06 55 17.1 (Z)			iP	08 51 03.8 (Z)
	eP	06 59 06.0 (Z)			iS	30.1 (ZE)
	eiP	09 38 14.9 (Z)			iP	12 16 48.4 (Z)
	e	41 37.1 (Z)			iS	17 24.3 (E)
	e	45 08.1 (E')			eiP	12 27 22.0 (Z)
	eP	12 37 39.1 (Z)			i(S)	28 59.4 (E)
	i	39 03.1 (Z)			iP	12 51 05.3 (Z)
	iS	13.3 (ZNE)			iS	16.8 (ZNE)
	eP	16 47 50.9 (Z)			eP	13 52 47.6 (Z)
	eS	43 07.1 (N)			iP	17 04 32.1 (Z)
13	eP	04 16 48.8 (Z)			eP	18 18 13.1 (Z)
	eP	04 22 37.0 (Z)			iS	29.8 (ZE)
	iP	D 04 59 20.8 (Z)			iP	D 19 57 26.6 (Z)
	eS	50.0 (E)			iS	47.6 (Z)
	iP	C 06 15 17.1 (Z)			iP	D 20 48 24.4 (Z)
	eS	29.2 (E)			eP	21 31 34.9 (Z)
	eiP	D 09 41 11.1 (Z)	T:00.9 A:02.0		iS	33 05.4 (N)
	eiP	11 49 52.1 (Z)			eiP	23 27 57.2 (Z)
	iS	50 18.3 (ZE)			iS	28 32.2 (E)
	eP	14 51 47.1 (Z)		16	eP	01 26 13.0 (Z)
	eS	52 45.6 (Z)			iP	D 04 04 30.3 (Z)
	iP	C 15 35 08.1 (Z)			iS	54.9 (Z)
	iS	24.1 (Z)			eiP	C 04 12 40.0 (Z)
	iP	C 16 36 41.3 (Z)			iS	13 03.2 (ZNE)
	e(S)	59.1 (E)			eP	04 15 33.0 (Z)
	eP	23 45 40.3 (Z)			i(S)	16 38.5 (NE)
14	eiP	02 27 57.3 (Z)			eP	08 34 55.1 (Z)
	eiP	04 31 27.8 (Z)			iS	35 30.0 (N)
	iP	C 04 44 25.5 (Z)			eiP	D 18 04 53.3 (Z)
	iS	45 01.5 (Z)			eS	05 11.1 (ZNE)
	eP	06 16 26.3 (Z)			eP	18 37 57.3 (Z)
	iS	17 52.1 (N)			eS	38 14.1 (Z)
	iP	D 10 21 59.1 (Z)			eP	22 02 03.2 (Z)
	iS	22 19.8 (ZE)			eS	37.4 (N)
	iP	C 16 33 38.8 (Z)			iP	D 23 40 32.4 (Z)
	iS	54.0 (ZE)			iS	49.0 (ZNE)
	iP	16 46 58.6 (Z)		17	iP	05 05 41.5 (Z)
	i	48 48.1 (Z)			iS	47.9 (ZNE)
	eP	17 06 04.1 (Z)			iP	D 05 24 17.8 (Z)
	iS	38.4 (Z)			iS	25 05.0 (ZNE)
	iP	D 22 32 34.5 (Z)			iP	D 08 03 07.1 (Z)
	i	34 13.7 (Z)			iS	25.3 (ZNE)
15	iP	03 13 03.8 (Z)			iP	D 08 07 16.1 (Z)
	iS	20.7 (N)			iS	32.0 (ZNE)

17 iP C 09 57 56.0 (Z)
 iS 58 57.7 (ZEE')

eP 11 52 24.1 (Z)

iP D 17 03 58.3 (Z)
 iS 09 21.0 (NE)

eP 17 52 39.2 (Z)

eiP 20 34 52.9 (Z)

eP 23 41 39.1 (Z)

18 iP C 03 45 58.1 (Z)
 iS 46 15.2 (ZNE)

iP D 04 33 59.7 (Z)
 iS 34 16.9 (ZE)

eP 07 01 05.4 (Z)
 iS 22.6 (ZNE)

e(P) 09 54 02.8 (Z)

iP G 11 10 29.7 (Z)
 iS 11 29.9 (N)

iP 12 23 33.0 (Z)
 iS 29 01.6 (N)

eP 18 35 07.8 (Z)

19 iP C 01 44 31.4 (Z)
 eS 45 45.5 (NE)

e(P) 02 00 21.6 (Z')
 e 19 14.0 (Z')
 e 22 20.0 (Z')

eP 02 25 45.8 (Z)

eP 03 20 32.5 (Z)

iP D 08 05 08.5 (Z)
 iS 36.3 (ZNE)

eiP 13 02 23.2 (Z)
 iS 30.1 (ZNE)

eiP D 14 45 56.1 (Z)
 iS 46 19.0 (ZNE)

20 iP C 01 00 12.2 (Z)
 iS 28.9 (ZNE)

eP 04 34 43.2 (Z)

eiP 06 21 32.0 (Z)
 iS 22 17.2 (E')

eP 16 36 07.1 (Z)
 e 41 36.1 (Z'E')
 e 43 32.1 (Z'N')

iP D 21 05 51.4 (Z)
 iS 06 07.6 (ZNE)

21 iP C 01 23 28.2 (Z)

iP D 01 43 09.9 (Z)
 iS 16.3 (ZNE)

eP 04 49 55.2 (Z)
 eS 50 30.0 (E)

iP C 06 25 28.3 (Z)
 iS 52.3 (ZNE)

eP 07 28 20.1 (Z)
 iS 29 27.1 (ZNE)

eiP 09 19 42.1 (Z)
 iS 58.3 (ZNE)

21 eP 18 36 11.1 (Z)
 eS 37.1 (ZNE)

eP 19 07 27.9 (Z)
 e 08 57.3 (Z)

22 eP 00 44 20.0 (Z)
 e 45 12.5 (Z)

iP C 01 56 50.5 (Z)
 i(S) 57 27.6 (Z'N'E')

eP 02 47 21.2 (Z)

eiP C 03 25 11.0 (Z)
 iS 26 04.9 (ZNE)

eiP 04 15 17.4 (Z)
 iS 16 43.8 (ZNE)

iP 06 54 06.1 (Z)
 iS 21.4 (ZNE)

eP 09 34 44.3 (Z)

iP 11 54 21.1 (Z)
 iS 25.9 (ZNE)

iP C 15 11 04.0 (Z)
 e 29.3 (Z)

eiP D 18 40 37.1 (Z)
 i 46.1 (Z)
 e(S) 41 44.1 (ZNE)

23 eiP D 01 29 09.0 (Z)

eP 07 00 51.0 (Z)

iP C 09 53 09.3 (Z)
 iS 23.4 (ZNE)

iP C 11 51 13.7 (Z)
 iS 18.6 (ZNE)

eP 21 50 29.1 (Z)
 eS 52 07.2 (ZNE)

iP C 23 43 57.4 (Z)

24 eP 02 59 22.2 (Z)

iP D 07 21 31.2 (Z)
 e 28 36.0 (Z')
 e(L) 35 52.0 (Z')
 i(L) 37 36.0 (N'E')

eP 07 43 44.1 (Z)
 eS 44 09.1 (ZNE)

eP 14 24 29.1 (Z)
 iS 25 51.0 (ZNE)

eP 17 19 44.6 (Z)

eP 19 19 28.3 (Z)
 iS 21 00.1 (NE)

eP 21 49 08.7 (Z)
 iS 47.1 (E)

25 eiP C 00 26 11.8 (Z)
 eS 27 00.3 (E)

eiP D 00 37 43.0 (Z)
 iS 38 01.2 (NE)

eP 04 10 32.7 (Z)
 eS 12 07.0 (ZNE)

eiP C 05 46 27.1 (Z)
 i 47.6 (N)

T:01.0 A:01.1

T:01.0 A:01.5

T:00.0 A:03.0

25 iP 11 41 16.7 (Z)
 iS 32.1 (N'E')

eiP 11 46 45.7 (Z)
 iS 47 06.0 (ZNE)

eP 12 18 49.3 (Z)

eiP 16 39 29.9 (Z)

eP 17 49 38.5 (Z)

eP 17 58 11.1 (Z)

iP 18 18 42.6 (Z)
 iS 19 01.7 (ZN'E')

iP C 20 57 10.6 (Z)
 iS 18.3 (ZNE)

26 iP C 01 00 54.9 (Z)
 i 01 24.0 (Z)
 i 03 53.8 (Z)

eP 01 11 20.5 (Z)

eP 04 28 08.9 (Z)

iP D 06 49 01.8 (Z)
 iS 18.6 (ZNE)

iP 16 18 22.9 (Z)
 i 28.7 (Z)
 iS 36.1 (ZNE)

i(S) C 16 35 05.3 (Z)
 i(S) 36 16.1 (Z)
 i 24.1 (ZNE)

eP 20 01 07.3 (Z)

iP D 22 11 01.9 (Z)
 iS 17.0 (ZNE)

eP 22 32 30.3 (Z)

27 iP 01 46 23.7 (Z)
 iS 42.0 (N'E')

iP C 02 38 44.3 (Z)

iP D 02 57 34.0 (Z)

eP 07 52 16.0 (Z)
 iS 50.3 (E)

eP 10 01 18.7 (Z)

eP 13 36 20.1 (Z)
 iS 56.1 (Z)

iP D 17 55 24.1 (Z)
 iS 56 12.1 (Z)

e(P) 19 13 08.1 (Z)

eP 22 56 34.2 (Z)
 e(L) 23 39 10.2 (Z')

28 eP 00 58 39.5 (Z)

eP 01 14 42.0 (Z)
 e 15 03.1 (ZNE)
 i 20 28.8 (N'E')
 i 23 22.0 (Z'N'E')
 e 26 28.0 (Z')

iP 02 02 43.6 (Z)
 iS 04 27.0 (ZN)
 i(S) 35.5 (E)

iP C 04 43 15.8 (Z)

T:01.2 A:07.0

28 iP C 04 59 32.0 (Z)
 iS 55.0 (ZNE)

e 06 39 44.0 (Z')

eP 09 59 11.6 (Z)

iP C 13 41 56.2 (Z)
 i 42 44.1 (Z')
 i 45 19.7 (Z'N'E')

iP C 14 23 42.3 (Z)
 iS 24 30.1 (ZNE)

eP 15 33 58.2 (Z)
 i(S) 34 57.1 (ZE)

eP 16 43 35.1 (Z)
 i(S) 56.1 (N)

iP 20 42 21.1 (Z)
 iS 34.5 (ZNE)

iP C 21 59 46.7 (Z)
 iS 22 00 20.2 (ZNE)

eP 22 11 13.2 (Z)
 iS 48.7 (ZN)

29 iP D 00 01 18.6 (Z)
 iS 30.5 (ZNE)

e(P) 02 00 41.9 (Z)
 iS 01 52.9 (ZNE)

iP C 03 01 13.9 (Z)
 iS 25.0 (ZNE)

eP 04 22 26.8 (Z)

eP 05 29 19.9 (Z)

eP 05 36 58.2 (Z)
 eS 37 04.2 (ZNE)

iP D 09 33 18.3 (Z)
 iS 33.3 (ZNE)

e(P) 09 35 04.3 (Z)
 iS 36 18.1 (ZNE)

eiP D 16 50 37.3 (Z)
 eS 53.3 (E)

iP C 20 36 40.1 (Z)
 iS 37 07.1 (ZNE)

eP 20 38 53.1 (Z)

iP C 21 34 00.2 (Z)
 iS 27.4 (ZNE)

eP 23 03 56.0 (Z)
 e 05 11.2 (Z)

eP 23 15 54.2 (Z)

30 iP D 01 00 00.6 (Z)
 iS 19.5 (ZNE)

eiP 02 52 51.3 (Z)
 iS 53 10.9 (NE)

eP 03 48 21.5 (Z)
 e 55.5 (Z)

iP C 03 55 49.4 (Z)
 iS 56 18.5 (ZE)

eP 06 00 23.3 (Z)

iP C 16 45 55.7 (Z)
 iS 46 09.6 (ZNE)

30 iP D 17 35 02.6 (Z)
iS 39.2 (NE)
eP 18 22 50.6 (Z)
iS 23 23.8 (ZNE)
eP 18 49 55.1 (Z)
iP D 19 01 25.5 (Z)
iS 02 25.1 (N)
31 eiP 00 58 27.8 (Z)
eP 04 21 33.0 (Z)
iP D 05 15 07.0 (Z)
iS 33.6 (NE)
eP 05 59 56.5 (Z)
i(S) 06 00 57.7 (N)
iP D 06 28 14.0 (Z)
iS 33.0 (ZNE)
eP 06 46 12.8 (Z)
iS 47 13.0 (E)
i(S) 30.7 (NE)
iP C 06 57 20.1 (Z)
iS 33.1 (ZNE)
eP 07 00 28.8 (Z)
iS 35.6 (ZNE)
eP 08 40 24.1 (Z)
iP D 08 50 51.8 (Z)
iS 51 07.0 (ZNE)
iP D 09 01 59.6 (Z)
iS 03 10.6 (N)
eP 09 56 04.8 (Z)
eP 14 06 24.3 (Z)
iP C 17 29 53.0 (Z)
iS 58.1 (ZNE)
iP D 19 40 44.3 (Z)
iS 41 02.6 (ZNE)
eP 21 08 40.9 (Z)
iP D 22 53 07.0 (Z)
iS 17.2 (ZNE)
i(P) D 23 46 28.2 (Z)
iS 47 09.4 (N)
i(S) 31.0 (Z)

C: compresión

D: dilatación

Arequipa, Abril 8 de 1968

Universidad Nacional de San Agustín
Instituto Geofísico
Sección de Sismología
Casilla 23
Arequipa, Perú

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

0231 NVP 02

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E').- Amplificación: 1,500

ABRIL, 1968

1 eiP	01 01 53.5 (Z)		2 eP	01 57 12.6 (Z)	
i	02 05.8 (ZNE)		eP	05 44 34.5 (Z)	
i	12.0 (Z)		iS	49.0 (ZNE)	
e	06 28.0 (N')		eP	07 39 21.3 (Z)	
e	15 08.0 (N'E')		eS	35.1 (ZNE)	
i	25 02.0 (N'E')		eP	10 05 41.1 (Z)	
iP	01 54 22.2 (Z)		e	06 10.6 (Z)	
iS	33.0 (ZNE)		iP	C 18 45 14.1 (Z)	
iP	D 02 19 30.5 (Z)		iS	19.1 (ZNE)	
iS	23 22.5 (ZNE)		3 eP	03 01 20.0 (Z)	
i(S)	28.0 (ZNE)		eS	02 17.5 (NE)	
eP	04 46 27.0 (Z)		eP	03 20 24.6 (Z)	
eiP	05 31 28.7 (Z)		iP	D 05 58 51.8 (Z)	
iS	33.9 (ZNE)		iS	57.0 (E)	
iP	D 05 56 09.4 (Z)		eP	10 43 15.1 (Z)	
iS	15.2 (ZNE)		i	45 46.1 (N)	
eP	06 14 27.9 (Z)		eP	12 54 06.9 (Z)	
iP	D 06 22 45.9 (Z)		iS	55 37.1 (NE)	
iS	23 06.0 (ZE)		iP	C 16 52 06.0 (Z)	
eiP	06 55 35.6 (Z)		iS	32.1 (NE)	
iP	0 07 01 59.7 (Z)		eiP	19 08 43.1 (Z)	
iS	02 14.9 (ZNE)		eS	09 20.1 (NE)	
eP	07 33 14.6 (ZZ')		4 eP	02 49 57.2 (Z)	
e	37 06.1 (Z')		iP	03 29 02.0 (Z)	
e	46 46.1 (Z')		iS	21.8 (ZNE)	
i	56 40.1 (N')	T:24.0 A:08.0	eiP	D 03 59 48.0 (Z)	
e	08 13 50.1 (N')		iS	04 00 06.5 (NE)	
e	25 36.1 (Z')		eP	06 23 07.0 (Z)	
e	27 48.1 (Z')		iS	24 09.0 (E)	
e	30 22.1 (E')		eP	06 57 21.0 (Z)	
e	09 09 50.1 (Z')	T:20.0 A:13.0	eS	47.9 (N)	
e	18 04.9 (Z')	T:16.0 A:09.0	iP	C 08 28 59.6 (Z)	
eP	08 18 17.1 (Z)		iS	29 17.6 (ZNE)	
iS	50.1 (ZNE)		eP	08 55 22.1 (Z)	
iP	C 13 14 02.4 (Z)		iP	09 50 11.1 (Z)	T:00.9 A:01.0
iS	17.1 (ZNE)		eiP	10 10 27.1 (Z)	
iP	C 15 43 04.0 (Z)		eP	20 54 57.3 (Z)	
iS	24.5 (ZNE)		iS	55 20.9 (NE)	
iP	D 16 38 01.6 (Z)		iP	22 08 32.4 (Z)	
i(S)	30.6 (Z)		i	42.3 (Z)	
iS	38.1 (ZNE)		iS	09 46.2 (E')	
iP	C 16 40 39.3 (Z)		5 iP	C 03 53 33.0 (Z)	T:01.0 A:01.9
iS	55.0 (ZNE)		eP	04 02 16.8 (Z)	
iP	C 17 25 29.3 (Z)		iS	36.8 (ZNE)	
iS	49.1 (ZNE)				
iP	D 19 55 38.8 (Z)				
iS	48.1 (ZNE)				
? iP	C 01 36 51.6 (Z)				
iS	38 01.2 (ZNE)				

5 iP C 06 49 23.1 (Z)
 iS 40.6 (ZNE)
 iP D 09 03 45.3 (Z)
 iS 54.0 (ZNE)
 eiP C 10 44 54.0 (Z)
 iS 45 28.3 (ZNE)
 i(P) C 16 38 54.0 (Z)
 i(S) 39 08.1 (ZN)
 eP 20 03 36.9 (Z)
 iS 51.1 (ZNE)
 6 eP 00 05 40.0 (Z)
 e 06 08.0 (Z)
 iP C 01 57 20.7 (Z)
 iS 58 29.5 (E)
 iP C 06 22 33.5 (Z)
 iS 38.8 (Z)
 e(P) 07 56 27.1 (Z)
 eP 10 53 35.7 (Z)
 eP 11 58 40.6 (Z)
 iP D 15 31 32.4 (Z)
 i(S) 33 31.6 (N)
 iP C 16 31 50.2 (Z)
 iS 32 04.0 (ZNE)
 iP C 17 35 17.0 (Z)
 iS 38.6 (NE)
 eP 18 23 56.4 (Z)
 iS 24 12.3 (ZNE)
 7 iP C 05 03 18.0 (Z)
 eiP 09 46 58.6 (Z)
 iS 47 32.9 (ZN)
 eP 09 59 36.6 (Z)
 e 10 00 05.0 (Z)
 iP C 13 12 58.9 (Z)
 iS 13 04.1 (ZNE)
 eP 13 19 00.6 (Z)
 iS 21 00.2 (N)
 iP C 15 27 52.3 (Z)
 iS 28 08.6 (ZNE)
 iP D 15 36 31.1 (Z)
 eiP 16 04 58.1 (Z)
 iS 05 51.6 (ZNE)
 eP 23 27 05.1 (Z)
 iS 28 32.2 (E)
 iP C 23 43 07.2 (Z)
 iS 44 11.2 (NE)
 eP 23 52 27.2 (Z)
 8 eP 00 18 24.7 (Z)
 iP D 00 46 02.0 (Z)
 iS 22.0 (E)
 eP 02 58 19.5 (Z)
 i 43.0 (Z)
 e(P) 06 11 25.0 (Z)
 eP 06 25 49.0 (Z)

T:01.0 A:03.3

8 eP 07 04 46.4 (Z)
 iS 05 00.5 (ZNE)
 eP 08 27 00.1 (Z)
 i 13.5 (Z)
 iS 28 12.5 (ZE)
 i(S) 35.2 (N)
 eP 09 42 50.1 (Z)
 e 43 32.1 (Z)
 e(P) 13 12 52.6 (Z)
 e(P) 14 39 41.9 (Z)
 iP D 15 09 53.6 (Z)
 e 10 35.8 (Z)
 eiP 15 38 11.9 (Z)
 iS 33.2 (ZNE)
 iP C 23 52 38.2 (Z)
 iS 53 04.2 (ZNE)
 9 iP 00 03 25.3 (Z)
 iP D 01 29 31.5 (Z)
 iS 48.0 (NE)
 eP 01 35 44.5 (Z)
 eP 01 38 46.0 (Z)
 iP D 02 39 43.8 (Z)
 i 40 00.6 (Z)
 iS 48 32.0 (N'E')
 i(L) 56 06.0 (N'E')
 iL 03 01 10.0 (Z')
 eP 03 14 39.0 (Z)
 eP 03 22 12.0 (Z)
 i 23 29.3 (Z)
 eP 04 39 56.3 (Z)
 iP C 05 23 39.9 (Z)
 iS 54.7 (ZNE)
 eP 08 24 20.6 (Z)
 eP 09 58 29.6 (Z)
 i 59 08.6 (Z)
 eP 10 16 58.1 (Z)
 iS 17 32.1 (E)
 iP C 11 56 23.6 (Z)
 e 57 41.6 (Z)
 eiP D 13 01 40.6 (Z)
 iS 02 18.1 (ZE)
 iP 17 20 42.8 (Z)
 iS 21 42.1 (Z)
 iP C 21 38 52.9 (Z)
 iS 39 09.2 (ZNE)
 10 iP D 00 12 43.5 (Z)
 iS 13 02.2 (ZN)
 eP 01 30 14.2 (Z)
 eP 01 42 02.5 (Z)
 e 29.3 (Z)
 iP C 04 18 30.5 (Z)
 iS 20 07.7 (ZE)
 eP 08 30 18.4 (Z)
 iS 31 14.1 (NE)

T:01.5 A:12.5

19 iP C 16 39 53.8 (Z)
 iS 40 10.1 (N)
 iP C 20 17 58.4 (Z)
 iS 18 14.1 (Z)
 eiP 23 25 47.1 (Z)
 iS 26 02.2 (E)
 iP C 23 30 26.4 (Z)
 iS 53.3 (ZNE)
 iP C 23 45 26.1 (Z)
 20 iP C 01 10 21.0 (Z)
 eP 01 15 14.8 (Z)
 e 17 57.0 (Z)
 iP C 04 20 42.0 (Z)
 iS 21 03.4 (ZNE)
 eP 04 58 08.0 (Z)
 iP D 05 30 24.1 (Z)
 iS 28.1 (ZNE)
 iP D 07 21 03.2 (Z)
 eiP D 10 13 48.3 (Z)
 iS 14 52.9 (ZE)
 eL 10 50 38.1 (Z')
 eP 12 05 19.9 (Z)
 e 49 20.1 (E')
 eL 13 09 00.1 (Z'N'E')
 eiP C 14 10 20.3 (Z)
 e 12 58.1 (E)
 ei(P) D 17 45 25.0 (Z)
 iP 18 17 11.9 (Z)
 i(S) 16.3 (E)
 iP C 19 41 25.8 (Z)
 iS 41.1 (ZNE)
 eP 20 00 13.4 (Z)
 e 18 24.1 (Z'E')
 e 22 19 28.1 (Z')
 eP 22 22 41.1 (Z)
 e 40 04.1 (Z')
 21 iP 02 06 24.2 (Z)
 iS 40.2 (ZNE)
 eP 02 08 27.5 (Z)
 iP C 03 13 15.5 (Z) T:01.0 A:01.2
 eP 03 32 43.2 (Z)
 eiP 05 06 07.2 (Z)
 iS 07 12.0 (ZNE)
 iP C 09 26 14.8 (Z)
 iS 27 29.8 (ZNE)
 e 28 08.0 (Z')
 eiP C 12 01 37.8 (Z)
 iP C 19 49 39.5 (Z)
 iS 51 02.9 (ZNE)
 iP D 22 11 04.0 (Z)
 i(S) 12.5 (N'E')
 i(S) 20.1 (Z'N'E')
 iP D 22 17 38.4 (Z)
 iS 55.9 (Z)

21 iP 22 47 12.5 (Z)
 iS 31.1 (ZE)
 22 eiP 00 16 04.9 (Z)
 iP D 00 26 42.1 (Z)
 iS 59.2 (ZZ'N'E')
 iP C 00 47 27.6 (Z)
 iS 45.1 (ZNE)
 eiP D 02 07 25.8 (Z)
 iS 08 09.0 (ZNE)
 eP 03 04 43.5 (Z)
 eS 05 01.8 (NE)
 eP 04 29 56.8 (Z)
 eP 06 37 40.1 (Z)
 eiP D 08 57 58.1 (Z)
 iS 58 17.1 (ZNE)
 eP 09 07 34.8 (Z)
 eP 12 03 32.3 (Z)
 iP 21 22 43.9 (Z)
 eS 57.6 (ZE)
 eP 23 03 56.1 (Z)
 23 eP 06 25 06.8 (Z)
 iS 32.0 (ZNE)
 eP 07 04 27.7 (Z)
 iP D 07 47 07.1 (Z)
 iS 24.0 (ZE)
 eP 08 05 51.0 (Z)
 iP C 08 08 15.3 (Z)
 iS 43.0 (ZE)
 eP 12 03 26.4 (Z)
 eP 13 52 48.9 (Z)
 eP 13 56 24.0 (Z)
 iS 36.1 (ZE)
 eiP C 20 13 23.3 (Z)
 iS 38.2 (ZNE)
 eP 20 36 00.6 (Z)
 e 42 48.1 (Z)
 i 43 50.1 (N'E')
 e 46 39.1 (Z)
 e 52 00.1 (Z'N')
 i 21 31 48.1 (Z'N'E')
 eiP C 21 28 43.2 (Z)
 i 30 35.6 (Z)
 24 eP 00 14 03.5 (Z)
 eiP 01 04 40.0 (Z)
 iS 05 17.0 (ZNE)
 eP 01 09 57.8 (Z)
 e 15 00.0 (Z'N'E')
 e 17 20.0 (Z')
 eP 02 58 27.0 (Z)
 eiP D 04 20 09.9 (Z)
 i 27.0 (E)
 iS 30.0 (ZNE)
 eP 05 40 07.8 (Z)

29 iP D 03 16 22.0 (Z)
i 26.0 (Z)
iS 17 05.9 (ZNE)
eP 0, 27 16.6 (Z)
iS 45.2 (ZNE)
eP 13 51 11.1 (Z)
eP 14 20 57.6 (Z)
eS 21 24.1 (ZNE)
iP D 18 40 55.5 (Z)
eP 20 09 01.3 (Z)
eS 51.0 (ZNE)
iP C 22 30 22.8 (Z)
i 58.0 (ZNE)
eP 23 39 51.2 (Z)
30 eP 00 04 15.5 (Z)
i 26.0 (Z)
eiP 00 27 02.5 (Z)
eP 02 58 34.5 (Z)
eP 05 01 11.7 (Z)
eP 05 42 35.7 (Z)
iS 48.8 (ZNE)
eP 06 10 49.5 (Z)
eP 08 44 40.2 (Z)
eiP C 09 00 54.6 (Z) T:01.0 A:03.0
eP 10 08 56.1 (Z)
e(P) 10 31 00.1 (Z)
iP D 11 00 11.3 (Z)
iS 28.6 (ZNE)
eiP C 23 56 09.8 (Z)
e 00 00 12.0 (Z'N'E')
e 03 56.0 (Z'E')

C: compresión
D: dilatación

Arequipa, Mayo 7 de 1968

Universidad Nacional de San Agustín
Instituto Geofísico
Sección de Sismología
Casilla 23
Arequipa, Perú

16 iP C 03 39 58.5 (Z)
 iS 40 55.5 (ZE)
 eiP 06 56 16.5 (Z)
 eP 07 31 33.1 (Z)
 iS 32 55.8 (ZN)
 iP C 08 27 36.0 (Z)
 iS 28 14.0 (ZE)
 iP D 08 45 42.1 (Z)
 iS 46 02.5 (E)
 iP D 08 55 03.9 (Z)
 i(S) 20.0 (E)
 iS 30.0 (Z)
 eP 09 17 40.8 (Z)
 iP 09 53 21.9 (Z)
 iS 54 35.6 (E)
 eiP 10 58 28.0 (Z)
 i 47.6 (Z) T:01.3 A:22.0
 e 11 01 48.1 (Z'N'E')
 e 16 36 49.7 (Z')
 e 17 19 00.1 (Z')
 e 22 00.1 (E')
 iP D 16 38 17.5 (Z)
 i(S) 33.9 (Z)
 iP D 19 02 46.1 (Z) T:00.9 A:01.9
 i 03 08.0 (Z) T:01.5 A:04.5
 i(P) D 20 04 49.1 (Z)
 eiP 21 46 57.1 (Z)
 i 47 11.2 (Z)
 iP D 22 46 54.0 (Z)
 i(S) 48 07.6 (Z)
 iS 11.8 (Z)
 eiP 23 24 26.5 (Z)
 e 25 46.1 (Z')
 i 28 08.1 (Z')
 e 46 06.1 (N')
 17 e 00 11 12.1 (Z'N')

iP D 00 03 40.6 (Z)
 iS 04 06.0 (ZNE)
 iP D 02 11 42.1 (Z)
 iS 13 14.8 (ZNE)
 eP 04 39 21.9 (Z)
 i 38.2 (ZNE)
 eP 07 38 37.8 (Z)
 eP 09 12 13.2 (Z)
 eP 09 57 53.8 (Z)
 iS 58 26.0 (ZNE)
 iP D 10 59 06.9 (Z)
 iS 23.6 (ZNE)
 iP D 12 02 31.1 (Z)
 iS 48.1 (ZNE)
 e(P) 13 11 02.2 (Z)
 eiP 21 28 37.6 (Z)
 iS 29 12.1 (ZN)
 18 eiP 01 11 29.7 (ZZ')
 e 18 50.0 (Z'N'E')

18 iP D 04 33 34.1 (Z)
 iS 47.4 (ZNE)
 eP 05 35 15.0 (Z)
 eS 42.0 (NE)
 iP C 09 59 32.2 (Z)
 iS 10 00 06.1 (ZNE)
 19 eP 04 32 18.0 (Z)
 eP 04 59 03.2 (Z)
 eP 05 12 21.2 (Z)
 eS 13 23.5 (ZNE)
 eP 06 13 52.0 (Z)
 eP 07 32 57.5 (Z)
 eP 10 05 51.0 (Z)
 eP 10 25 26.0 (Z)
 eS 26 25.0 (ZNE)
 eiP 19 46 06.6 (Z)
 eS 35.1 (NE)
 eP 21 54 50.1 (Z)
 20 eP 00 53 19.1 (Z)
 eS 36.2 (E)
 eP 01 46 04.0 (Z)
 eiP C 02 38 40.0 (Z)
 eS 39 30.0 (NE)
 eiP C 03 35 52.0 (Z)
 eP 07 13 08.5 (Z)
 eiP 07 26 29.5 (Z)
 e 37 04.0 (N'E')
 e 56 40.0 (Z') T:28.0 A:22.0
 eP 07 43 21.0 (Z)
 eP 10 32 09.1 (Z)
 eP 10 53 26.1 (Z)
 eP 20 19 11.6 (ZZ')
 i(S) 29 44.1 (Z'N'E')
 i 49 16.1 (Z'N'E')
 eP 20 35 58.3 (Z)
 e 36 06.1 (Z)
 eP 21 29 02.1 (Z)
 21 eiP 00 50 40.9 (Z)
 iS 54.5 (ZNE)
 eP 02 07 07.0 (Z)
 iP C 02 18 28.9 (Z)
 iS 33.4 (ZNE)
 iP C 03 26 00.5 (Z) T:00.8 A:02.0
 eiP D 04 18 36.0 (Z)
 iP C 04 42 57.3 (Z)
 iS 43 31.5 (ZNE)
 eP 07 57 07.5 (Z)
 eP 08 39 21.0 (Z)
 i 42 55.0 (Z)
 e 58 48.0 (E')
 eiP D 11 39 52.1 (Z)
 eP 12 18 14.3 (Z)

21	eP	12 53	52.6 (Z)		24	iP	D 06 35	16.9 (Z)	
	iP	14 45	26.1 (Z)			iS		31.5 (NE)	
	iS		44.9 (Z'N'E')			eP	07 31	14.0 (Z)	
	eP	16 45	26.1 (Z)			eiP	C 07 52	52.0 (Z)	
	iS		36.5 (ZNE)			iS	53	23.0 (ZNE)	
	iP	D 19 35	39.9 (Z)			eP	10 26	39.0 (Z)	
	iS		44.1 (ZNE)			eiP	C 13 35	50.3 (Z)	
22	iP	C 00 25	45.5 (Z)			iS		36 27.9 (Z)	
	iS		50.4 (ZNE)			eP	14 26	01.1 (Z)	
	iP	C 01 31	59.9 (Z)			e	29	28.1 (Z')	
	iS		32 04.4 (ZNE)			e	47	28.1 (N'E')	
	eP	02 27	03.7 (Z)			e	15 13	04.1 (Z'N')	
	iS		12.3 (NE)			e	24	56.1 (Z')	T:20.0 A:12.0
	eP	09 11	05.0 (Z)			iP	16 48	58.1 (Z)	
	eP	11 11	24.1 (Z)			iS	49	16.1 (NE)	
	eP	17 14	03.1 (Z)			iP	D 16 02	41.3 (Z)	T:01.5 A:07.5
	eP	19 49	07.1 (Z)			i	03	08.9 (Z)	
	e	20 36	14.1 (Z'E')			i	05	25.2 (Z)	
	e	57	40.1 (Z')			eP	23 49	55.3 (Z)	
	i(P)	C 21 31	13.9 (Z)			iS	50	52.3 (E)	
23	iP	D 01 10	38.0 (Z)		25	eP	03 11	40.3 (Z)	
	iS		11 32.5 (NE)			iS		56.0 (ZN)	
	iP	D 01 56	57.8 (Z)			eP	03 53	09.8 (Z)	
	iS		57 01.9 (ZNE)			eiP	04 01	21.8 (Z)	
	iS	02 21	28.1 (Z)			i		32.5 (ZNE)	
	iS		54.2 (ZNE)			iS	02	13.0 (NE)	
	eP	05 27	46.7 (Z)			iP	C 06 02	32.0 (Z)	
	i		28 45.5 (Z)			i(S)		43.0 (NE)	
	e	33	22.0 (E')			iS		48.0 (ZN)	
	e	35	40.0 (Z'N')			eiP	C 06 27	57.5 (Z)	
	e	38	20.0 (Z'N')			e	28	19.6 (Z)	
	iP	C 06 33	33.5 (Z)			eiP	09 04	02.0 (Z)	
	iS		34 00.7 (ZNE)			eP	10 05	29.5 (Z)	
	iP	D 07 25	05.0 (Z)			iP	18 30	06.1 (Z)	
	eS		46.0 (ZNE)			iS		11.6 (ZNE)	
	iP	17 16	09.8 (Z)			iP	18 52	06.3 (Z)	
	iS		36.1 (Z)			iS		51.8 (Z)	
	eP	17 37	51.4 (ZZ')			iP	C 20 12	22.8 (Z)	
	i		38 06.7 (Z)			iS		38.5 (ZN)	
	e	41	59.1 (Z)			iP	C 21 11	44.1 (Z)	
	i	42	04.1 (Z'N'E')			iS	12	12.4 (P)	
	e	48	21.1 (N'E')			i(P)	00 30	19.3 (Z)	
	e	50	42.1 (N')			i		53.2 (N)	
	e	18 14	00.1 (N')	T:30.0 A:122.0 ²⁶		iS		59.0 (NE)	
	eP	17 54	24.1 (Z)	T:34.0 A:154.0		iP	D 02 00	47.8 (Z)	
	iP	D 20 18	57.2 (Z)			iS		52.0 (ZNE)	
	iS		19 24.1 (Z)			eP	04 21	54.0 (Z)	
24	e(P)	00 22	46.0 (Z)			iS	22	15.5 (NE)	
	eP	01 56	28.0 (Z)			eP	06 30	48.0 (Z)	
	iS		45.5 (E)			iS	31	20.5 (Z)	
	iP	D 03 02	23.1 (Z)			eP	06 51	46.2 (Z)	
	iS		28.5 (ZNE)			eP	06 54	54.0 (Z)	
	iP	C 04 14	11.7 (Z)			iS	55	59.5 (N)	
	iS		27.0 (ZNE)			iP	C 07 14	29.8 (Z)	
	eP	05 17	19.1 (Z)			iS		45.8 (E)	

30 eP 08 05 13.0 (Z)
 i 36.0 (Z)
 iP D 08 24 05.5 (Z)
 iS 22.0 (Z'E')
 e(P) 10 15 04.0 (Z)
 iP D . 21.5 (Z)
 e(P) 10 27 49.0 (Z)
 iP C 11 01 08.5 (Z)
 iS 25.6 (E)
 eP 11 38 06.2 (Z)
 iS 50.5 (N)
 eP 16 38 07.1 (Z)
 i(S) 22.6 (ZE)
 i(S) 46.6 (E)
 eiP 18 19 09.8 (Z)
 e(P) 19 55 45.6 (Z)
 i(S) 20 06 24.1 (Z'N'E')
 i 08 20.1 (N'E')
 i(L) 26 00.1 (Z'N'E')
 iP 20 16 30.4 (Z)
 iS 17 00.1 (ZNE)
 iP C 20 24 15.3 (Z)
 iS 45.1 (E)
 eP 00 27 07.0 (Z)
 eP 00 30 22.5 (Z)
 e 41.5 (Z)
 iP C 01 05 38.2 (Z)
 iS 42.5 (ZNE)
 eiP 03 21 29.0 (Z)
 eP 06 51 46.5 (Z)
 e 52 27.5 (Z)
 i(P) 07 18 14.0 (Z)
 iP C 07 42 14.0 (Z)
 iS 48.2 (Z)
 eP 08 06 40.0 (Z)
 iP C 09 14 14.7 (Z)
 iS 15 00.0 (NE)
 eiP 09 34 28.3 (Z)
 iS 51.0 (ZN)
 iP C 15 39 04.3 (Z)
 iS 40 13.2 (ZE)
 iP C 17 00 14.8 (Z)
 iS 26.5 (E)
 eP 17 45 54.8 (Z)
 iP 18 38 22.9 (Z)

 Universidad Nacional de San Agustín
 Instituto Geofísico
 Sección de Sismología
 Casilla 23
 Arequipa, Perú

C: compresión
 D: dilatación

Arequipa, Junio 11 de 1968

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E').- Amplificación: 1,500

JUNIO, 1968

1	eiP	C	00	02	52.7	(Z)	2	iP	D	13	17	24.1	(Z)	
	iS			03	29.5	(ZE)		i				29.1	(Z)	
	eP		01	01	11.2	(Z)		iS		18	48.5	(N)		
	e				37.3	(Z)		i(S)				52.6	(NE)	
	eP		02	13	30.5	(Z)		iP	D	14	29	08.5	(Z)	
	iS			14	36.5	(E)		iS				25.6	(Z)	
	iP		02	41	02.0	(Z)		e(P)		15	25	31.6	(Z)	
	iS				33.7	(ZE)		eP		15	57	52.1	(Z)	
	iP		02	59	47.7	(Z)		iP	D	17	14	26.1	(Z)	
	i				51.9	(Z)		iS				45.8	(E)	
	iS		03	00	48.3	(ZE)		iP	C	17	55	45.1	(Z)	
	i(S)			01	04.5	(Z)		iS				55.6	(ZNE)	
	eiP	C	07	55	22.8	(Z)		eP		18	26	17.9	(Z)	
	iS				56.5	(NE)		iS		27	10.3	(ZNE)		
	eP		09	01	57.7	(Z)		eiP		19	09	39.1	(Z)	
	iS			02	33.3	(N)		iS		10	02.9	(ZE)		
	iP	C	09	29	12.8	(Z)		eP		19	36	32.4	(Z)	
	i				35.4	(Z)		eiP		23	55	44.1	(Z)	
	eP		10	27	56.0	(Z)		i(S)			56	03.5	(N)	
	iP	D	23	49	30.5	(Z)		i(S)				14.1	(N)	
	iS				43.2	(ZE)		3	iP	D	00	58	22.7	(Z)
2	eP		01	05	22.2	(Z)		iS				48.0	(ZNE)	
	iP	D	01	57	06.7	(Z)		e(P)		02	00	30.3	(Z)	
	iS				28.2	(ZE)		eP		03	45	59.0	(Z)	
	eiP		02	47	34.3	(Z)		eS			47	07.8	(ZNE)	
	iS				47.7	(E)		eP		06	54	07.4	(Z)	
	eP		04	56	54.0	(Z)		iS				40.3	(ZNE)	
	eP		05	36	00.5	(Z)		iP	C	07	03	30.0	(Z)	
	eP		06	47	07.5	(Z)		iS			04	23.0	(ZNE)	
	iS			48	09.4	(E)		eP		09	36	33.0	(Z)	
	eP		07	33	05.9	(Z)		e			40	02.5	(Z)	
	e				20.0	(Z)		iP	D	10	51	20.0	(Z)	
	eiP		08	37	33.3	(Z)		iS				55.0	(ZNE)	
	e			38	52.0	(Z)		iP	D	14	48	01.5	(Z)	
	eP		08	47	16.5	(Z)		iS				20.1	(Z)	
	e			50	16.0	(Z)		eP		15	48	52.6	(Z)	
	e			51	11.0	(Z)		e			52	36.3	(Z)	
	eP		09	22	11.0	(Z)		4	iP	D	05	20	48.4	(Z)
	e				37.5	(Z)		iS				21	04.0	(ZNE)
	eP		10	15	27.5	(Z)		iP	C	08	36	40.0	(Z)	
	i				36.5	(Z)		iS			37	11.0	(ZNE)	
	e(P)		11	47	07.5	(Z)		iP	D	08	43	31.6	(Z)	
	eP		12	06	17.2	(Z)		iS				52.2	(NE)	
	iS			07	37.7	(NE)		iP	C	09	32	11.0	(Z)	
								iS				41.0	(ZNE)	

4 iP D 12 16 35.1 (Z)
 iS 47.1 (ZNE)
 eP 20 33 05.1 (Z)
 iP 20 40 17.1 (Z)
 iS 42.0 (ZNE)
 5 eP 00 30 13.3 (Z)
 iS 43.2 (N)
 iP C 00 34 13.5 (Z)
 iS 35 03.9 (ZNE)
 eP 03 40 22.5 (Z)
 i 41 37.8 (Z)
 iS 43.5 (E)
 iP 04 51 44.0 (Z)
 iS 56.7 (ZNE)
 eP 06 27 56.7 (Z)
 iP 07 06 43.4 (Z)
 iS 47.1 (ZNE)
 e(P) 07 06 55.1 (Z)
 iP C 08 14 42.1 (Z)
 iS 56.6 (ZNE)
 eiP 10 18 53.8 (Z)
 i 19 25.6 (Z)
 e(P) 13 56 06.9 (Z)
 i 57.1 (Z)
 iP C 16 36 39.5 (Z)
 iS 54.6 (ZNE)
 6 eiP C 4 22 37.2 (Z)
 iS 23 03.4 (NE)
 eP 05 47 11.2 (Z)
 iS 30.0 (ZE)
 eP 07 23 41.5 (Z)
 iS 25 03.3 (Z)
 eP 09 37 45.0 (Z)
 iS 38 07.0 (NE)
 eiP 09 56 54.5 (Z)
 iS 57 19.6 (N)
 iP D 16 27 44.4 (Z)
 iS 50.8 (NE)
 iP C 16 36 33.6 (Z)
 iS 17.3 (N)
 7 eP 01 17 50.0 (Z)
 iS 18 38.0 (N)
 eP 02 51 58.4 (Z)
 eS 52 35.5 (N)
 eP 03 23 27.5 (Z)
 eP 04 33 49.0 (Z)
 iS 35 00.0 (ZNE)
 e(P) 07 04 10.4 (Z)
 iP 12.8 (Z)
 iS 54.0 (ZNE)
 eP 07 59 45.5 (Z)
 iP 09 00 41.4 (Z)
 iS 53.5 (ZNE)
 eiP D 09 13 38.6 (Z)
 iS 54.5 (ZNE)

7 eP 10 23 23.9 (Z)
 eP 10 56 32.5 (Z)
 eS 50.5 (ZNE)
 i(P) 11 36 29.5 (Z)
 eP 12 17 04.5 (Z)
 i 29.0 (Z')
 i 18 00.0 (Z)
 e 32 06.0 (E')
 e 35 00.0 (N')
 i 41 56.0 (N'E')
 e 44 34.0 (E')
 i 13 02 08.0 (N'E')
 i 12 28.0 (Z')
 eP 13 30 54.0 (Z)
 eS 31 44.0 (ZNE)
 eiP 17 34 31.0 (Z)
 iS 35 23.0 (EE')
 iP C 19 17 08.8 (Z)
 iS 36.0 (ZNE)
 8 eiP D 00 15 25.8 (Z)
 iP C 02 11 09.5 (Z)
 i(S) 21.5 (Z)
 iS 27.0 (E)
 eiP 02 53 20.7 (Z)
 iS 41.0 (ZE)
 iP C 03 32 56.5 (Z)
 e 33 34.0 (Z)
 eP 04 09 43.0 (Z)
 iP C 04 43 57.4 (Z)
 eS 44 14.0 (Z)
 iP C 05 35 01.3 (Z)
 iS 14.2 (ZE)
 eiP 05 49 10.5 (Z)
 e(P) 07 30 48.0 (Z)
 iP 51.7 (Z)
 iS 31 35.5 (N)
 iP C 07 50 55.0 (Z)
 iS 51 21.2 (N)
 eP 08 54 54.0 (Z)
 eP 10 13 19.0 (Z)
 e 38.0 (Z)
 iP C 19 11 02.8 (Z)
 iS 38.1 (NE)
 iP D 22 59 29.1 (Z)
 iS 45.4 (E)
 iP C 23 36 43.6 (Z)
 e(S) 47 10.1 (N'E')
 9 eP 00 32 26.0 (Z)
 eP 01 27 32.0 (Z)
 iS 28 29.8 (E)
 eiP 05 16 20.0 (Z)
 eS 52.5 (Z)
 eiP 06 39 31.5 (Z)
 iS 47.7 (ZNE)
 eP 09 44 43.5 (Z)
 e 45 06.0 (Z)

T:38.0 A:72.0

T:00.8 A:02.0

9	eP	09 49	37.5 (Z)		12	iP	C 00 30	47.5 (Z)	
	e		52.0 (Z)			iS		31 16.7 (ZE)	
	iP	C 10 18	09.5 (Z)			iP	C 04 19	14.8 (Z)	
	iS		41.3 (ZE)			iS		41.7 (E)	
	eP	10 28	41.5 (Z)			eP	04 49	22.0 (Z)	
	e		55.2 (Z)			eP	08 09	30.5 (Z)	
	eiP	13 21	40.1 (Z)			iP	C 09 47	07.5 (Z)	
	iP	D 14 43	58.6 (Z)			iS		39.0 (Z)	
	eiP	15 55	47.9 (Z)			eP	09 49	29.0 (Z)	
	i(S)		56 13.0 (E)			iP	D 10 50	48.8 (Z)	
	iP	D 16 04	40.4 (Z)			iS		51 19.5 (E)	
	i(S)		05 10.7 (E)			eP	12 25	44.4 (Z)	
	iP	C 16 17	33.4 (Z)			i		51.6 (Z)	
	iS		18 30.1 (ZN)			i(S)	27	14.5 (Z)	
	iP	17 54	39.1 (Z)			iS		17.0 (E)	
	iS		54.1 (Z'N'E')			iP	C 13 19	26.9 (ZZ')	
	eiP	D 20 44	10.3 (Z)			iS		20 14.1 (Z'N'E')	
	i(S)		31.4 (E)			eiP	14 01	17.8 (ZZ')	
10	eP	02 53	09.8 (Z)			i		27.1 (Z)	
	iS		54 10.5 (ZNE)			i	04	36.1 (Z')	T:14.0 A:15.0
	eiP	04 24	64.4 (Z)			i	05	10.1 (Z')	
	iP	C 04 44	07.0 (Z)			i	11	28.1 (N'E')	
	iS		38.5 (N)			i(L)	23	08.1 (N'E')	T:20.0 A:95.0
	eP	05 56	34.2 (Z)			iL	48	40.1 (Z')	T:36.0 A:60.0
	eS		57 05.0 (N)			iP	D 14 20	15.1 (Z)	
	iP	C 16 39	57.3 (Z)			eP	15 27	45.1 (Z)	
	iS		40 13.1 (ZE)			iS		28 43.3 (Z)	
	iP	D 17 19	37.0 (Z)			eiP	17 13	00.6 (Z)	
	iS		20 11.6 (N)			iS		16.0 (ZNE)	
11	eP	03 29	42.5 (Z)			iP	D 20 35	41.6 (Z)	
	eS		30 09.7 (N)			i		49.2 (Z)	
	e(P)	04 42	36.5 (Z)			eP	22 26	42.6 (ZZ')	
	e		43 46.3 (Z)			i(S)		31 32.1 (Z')	T:12.0 A:09.0
	eP	05 43	51.2 (Z)			13	e(P)	00 24	31.5 (Z)
	iS		55.8 (ZNE)			eP	00 37	38.5 (Z)	
	eiP	05 59	07.5 (Z)	T:01.5 A:02.5		iS		38 19.8 (N)	
	i		50.0 (Z)	T:01.5 A:03.0		eP	00 40	33.5 (Z)	
	i	06 01	36.0 (Z)	T:01.0 A:03.5		iP	D 01 41	16.4 (Z)	
	eiP	D 06 05	03.8 (Z)	T:01.5 A:02.8		iS		22.5 (NE)	
	eP	08 46	55.7 (Z)			eP	02 25	13.0 (Z)	
	eP	10 17	13.6 (Z)			eP	02 44	58.5 (Z)	
	i		31.3 (Z)			iS		45 41.2 (NE)	
	iP	C 11 40	06.6 (Z)			eiP	03 00	51.5 (Z)	
	iS		41 61.0 (ZN)			iS		01 52.7 (N)	
	e(P)	11 51	00.8 (Z)			iP	D 07 35	35.3 (Z)	
	iP	C 15 31	57.1 (Z)			iS		36 38.0 (ZE)	
	iS		32 46.5 (E)			iP	07 39	18.0 (Z')	T:08.0 A:12.5
	iP	C 15 35	49.4 (Z)			i(S)		44 04.0 (E')	T:14.0 A:17.0
	iS		36 72.9 (ZE')			eP	11 22	48.0 (Z)	
	iP	C 16 31	42.8 (Z)			i(S)		23 33.5 (Z)	
	iS		32 00.8 (ZE)			iS		38.0 (ZE)	
12	iP	00 21	48.9 (Z)			iP	12 03	42.3 (Z)	
	iS		59.5 (ZNE)			iS		56.1 (ZNE)	
						eP	12 40	24.6 (Z)	
						iS		42.6 (Z)	

18 eP	05 37 44.2 (Z)		19 iP	08 16 26.5 (Z)	T:01.0 A:10.0
i	47.5 (Z)		iS	18 35.0 (ZN)	
iS	58.4 (ZE)		e	25 59.5 (Z)	
eiP	06 55 06.6 (Z)		eP	09 04 41.8 (Z)	
eP	07 18 29.5 (Z)		eP	09 30 03.5 (Z)	
e	22 54.0 (Z')		eP	10 21 48.8 (Z)	
iP	C 07 36 37.1 (Z)		e	55.8 (Z)	
iS	53.0 (ZNE)		e	24 05.5 (Z)	
iP	C 08 50 43.2 (Z)		eP	11 00 21.4 (Z)	
iS	56.8 (ZE)		eP	12 42 14.1 (Z')	
iP	D 10 30 30.5 (Z)		e	46 52.1 (Z'N'E')	
eP	10 35 38.0 (Z')	T:14.0 A:67.5	e	51 28.9 (Z')	
e	40 22.0 (E')		iP	C 12 49 10.1 (Z)	
iP	D 11 36 16.0 (Z)		eP	13 50 06.1 (Z')	
iP	C 12 05 52.6 (Z)		e	54 40.1 (N'E')	
iS	06 26.1 (ZE)		eP	15 11 16.9 (Z')	
iP	D 12 20 58.0 (Z)		e	15 54.1 (N'E')	
iS	21 44.5 (Z)		iP	16 18 30.9 (Z)	
eP	12 33 09.3 (Z)		i(S)	19 46.3 (N)	
e	37 50.8 (Z')		iS	51.1 (ZN)	
eP	14 34 16.8 (Z)		eP	16 48 38.1 (Z')	
i	20.6 (Z)		e	53 10.1 (Z'N'E')	
iS	35 01.1 (E)		e	58 00.1 (Z'N'E')	
eP	14 48 06.9 (Z')		e	17 02 26.1 (Z'N'E')	
e	52 34.1 (Z'N'E')		e	15 07.1 (Z')	
iP	C 16 39 55.6 (Z)		eP	17 10 41.6 (Z)	
iS	40 09.4 (Z)		e	18 36 56.1 (Z'E')	
eP	17 41 48.1 (Z')		eP	19 29 41.1 (Z'E')	
e	46 24.1 (Z'N')		e	30 18.1 (N')	
e	10 16 31.6 (Z)		iP	D 20 03 50.6 (Z)	
e	21 12.1 (E')		e	08 34.1 (Z'N'E')	
iP	C 20 25 04.3 (Z)		e	11 20.1 (Z')	
iS	32.1 (ZNE)		eiP	21 41 51.7 (Z)	
eP	21 54 16.1 (Z')		iS	42 05.1 (ZNE)	
e	59 00.1 (Z'N')		iP	C 23 37 22.5 (Z')	
19 e	01 20 50.0 (Z'N'E')		e	42 05.8 (ZZ'N'E')	
iP	C 01 32 12.0 (Z)		e	46 06.6 (Z)	
iS	33 16.0 (ZNE)		20 iP	C 00 17 13.8 (Z)	
e	02 32 48.0 (Z')		iS	18 15.5 (Z)	
e	37 32.0 (Z'N'E')		eP	01 38 10.0 (Z')	
iP	C 02 53 43.2 (Z)		e	42 52.0 (Z'E')	
iS	54 08.0 (ZNE)		eP	02 15 22.5 (Z)	
eP	04 11 06.0 (ZZ')		iS	36.5 (ZNE)	
i	16 00.0 (Z'N'E')		e(P)	02 37 49.5 (Z)	
e(P)	04 42 11.5 (Z)		eiP	C 02 41 31.5 (Z)	
e(P)	05 25 19.5 (Z)		i	48.0 (Z)	T:01.0 A:09.0
e	31.0 (Z)		i	43 32.5 (Z)	T:01.1 A:10.5
eP	05 53 11.0 (ZZ')		i(S)	44 00.0 (E')	
e	57 54.0 (Z'N'E')		i	45 56.0 (E')	
iP	C 06 31 25.0 (Z)		i	46 04.0 (Z')	
iS	30.2 (ZNE)		i(L)	40.0 (Z')	
eP	07 35 52.0 (ZZ')		eP	03 24 39.0 (Z)	
e	36 48.5 (Z)		iS	51.0 (ZNE)	
i	40 46.0 (Z'N'E')		eP	04 48 50.0 (Z')	
			e	51 08.0 (Z')	
			eP	05 00 56.0 (Z')	
			e	05 34.0 (E')	

20 eP 06 24 24.7 (Z)
 eP 07 16 28.2 (Z)
 iS 46.9 (E)
 iP D 07 20 10.0 (Z)
 iS 20.5 (NE)
 eP 08 14 12.5 (Z)
 i 49.8 (Z)
 e 16 28.0 (Z')
 i 17 08.0 (E')
 i 18 28.0 (N')
 eP 13 55 10.1 (Z')
 e 14 00 44.0 (E')
 eP 15 54 47.7 (Z)
 e 55 02.8 (Z)
 i 57 49.1 (N)
 e 58 54.1 (Z')
 eP 16 14 34.1 (Z')
 i 19 26.1 (E')
 iP C 16 39 56.1 (Z)
 iS 40 11.4 (Z)
 eP 16 45 55.8 (Z)
 i(S) 48 04.1 (N)
 eP 20 41 34.1 (Z')
 e 46 20.1 (E')
 iP D 21 48 59.7 (Z)
 e 49 38.1 (ZN)
 e(P) 23 30 55.6 (Z)
 e 35 48.1 (N'E')

21. eP 00 29 03.2 (Z)
 i 07.0 (Z)
 i 31 12.0 (N')
 i 44.0 (N')
 i 32 02.0 (E')
 i 33 12.0 (Z')
 iP C 01 32 00.8 (Z)
 eP 01 45 00.2 (Z)
 eP 03 37 19.5 (Z)
 iS 38 07.0 (E)
 e(P) 05 52 48.0 (Z'N'E')
 i 57 36.0 (Z'N'E')
 eP 07 27 35.0 (Z)
 e(P) 07 31 12.0 (Z)
 e 38 32.0 (E')
 e(P) 07 34 18.2 (Z)
 i 34.2 (Z)
 eP 08 01 52.0 (Z)
 eP 10 16 44.0 (Z)
 e 11 09 54.0 (E)
 e 14 54.0 (Z'N'E')
 eP 12 32 06.0 (Z)
 eiP 15 39 03.3 (Z)
 iS 12.9 (ZNE)
 iP C 16 39 30.3 (Z)
 iS 40 42.6 (ZNE)
 iP C 20 16 42.6 (Z)
 iS 58.1 (ZNE)

T:01.0 A:04.0

21 e 20 56 42.1 (N'E')
 e 21 01 24.1 (Z'N'E')
 eP 22 54 07.1 (Z)
 22 eP 00 27 35.0 (ZZ')
 e(S) 32 10.0 (N'E')
 iP D 00 37 02.5 (Z)
 eP 01 32 05.0 (Z)
 i 14.2 (Z)
 iP C 03 31 19.5 (Z)
 iS 48.6 (NE)
 eP 04 05 10.5 (Z)
 i 53.0 (Z)
 i 07 18.3 (Z)
 e(S) 09 52.0 (Z')
 eP 04 27 36.8 (Z)
 i 28 20.0 (Z)
 iP D 04 29 36.5 (ZZ')
 iS 56.0 (N'E')
 eiP 05 34 41.0 (Z)
 eP 05 48 44.5 (Z)
 iS 48.2 (ZNE)
 eP 06 40 31.7 (Z)
 iS 41 36.0 (NE)
 i(S) 40.4 (NE)
 eiP 07 57 47.5 (Z)
 iS 58 07.7 (ZNE)
 eiP 09 19 57.7 (Z)
 e(S) 22 52.0 (N')
 e 24 20.0 (Z')
 eP 09 52 18.5 (ZZ')
 e(S) 57 08.0 (Z'E')
 e(P) 10 04 07.8 (Z)
 e 33.7 (Z)
 e(P) 10 22 35.0 (Z)
 iP D 18 27 43.1 (Z)
 iS 28 56.1 (ZNE)
 eP 23 55 50.6 (Z)
 23 eiP 00 48 43.0 (Z)
 iS 49 28.2 (N)
 eP 00 53 34.0 (Z)
 eP 00 57 30.4 (Z)
 iP D 02 31 26.6 (Z)
 iS 32 04.9 (ZNE)
 eP 03 28 32.3 (Z)
 e 30 21.7 (Z)
 eP 03 48 53.0 (Z)
 e(S) 53 48.0 (N'E')
 iP D 03 55 03.7 (Z)
 iS 08.2 (ZNE)
 eP 04 31 12.8 (Z)
 iP D 04 52 36.1 (Z)
 iS 46.5 (ZNE)
 eP 05 11 17.5 (Z)
 e 33.3 (Z)

T:01.2 A:02.5

23 iP D 06 08 39.5 (Z)
 iS 55.9 (ZNE)
 iP C 08 12 56.4 (Z)
 iS 59.6 (E)
 eP 08 23 52.5 (Z)
 e 24 03.8 (Z)
 eiP C 08 30 26.1 (Z)
 eP 08 45 43.5 (Z)
 iS 46 09.9 (NE)
 eP 08 48 42.0 (Z)
 iS 57.2 (ZNE)
 eP 09 21 17.0 (Z)
 e 22 36.9 (Z)
 e(P) 09 32 25.0 (Z)
 eP 09 35 21.3 (Z)
 iP 10 27 34.5 (Z)
 iS 37.4 (N)
 iP C 11 26 55.0 (ZZ')
 iS 27 22.0 (N'E')
 e(P) 11 33 10.0 (Z)
 iP D 12 43 16.5 (Z)
 iS 33.3 (ZNE)
 eP 19 21 37.9 (Z)
 iP C 22 10 08.6 (Z)
 iS 47.1 (E)
 eiP C 22 42 59.6 (Z)
 i 43 26.0 (ZNE)
 24 iP D 03 49 21.4 (Z)
 iS 37.9 (ZNE)
 iP 04 30 17.8 (Z)
 iS 28.5 (ZNE)
 eiP 05 29 21.8 (Z)
 eP 06 19 16.5 (Z)
 iS 41.9 (E)
 eP 06 40 04.0 (Z)
 e 41.7 (Z)
 eiP 06 43 29.5 (Z)
 e 47.2 (Z)
 eP 08 09 04.3 (Z)
 iS 45.0 (E)
 eiP D 08 43 55.0 (Z)
 iS 44 13.2 (ZNE)
 eP 09 29 56.5 (Z)
 iS 30 53.6 (N)
 eP 10 22 04.0 (Z)
 e 50.5 (Z)
 iP C 10 29 42.9 (Z)
 iS 30 00.2 (NE)
 iP C 11 24 33.7 (Z)
 iS 54.5 (ZNE)
 eP 14 06 43.5 (Z)
 i 07 30.5 (Z)
 i 08 48.8 (Z)
 e 10 22.0 (E')
 i 11 04.0 (Z')

24 eP 14 57 21.6 (Z)
 iS 58 21.6 (N)
 iP C 16 35 31.7 (Z)
 iS 47.5 (E)
 eP 19 23 42.4 (Z)
 iS 24 34.6 (NE)
 iP C 22 15 50.8 (Z)
 iS 16 06.9 (ZNE)
 25 eP 00 39 10.0 (Z)
 eP 01 24 43.0 (Z)
 eP 03 50 13.7 (Z)
 iS 51 02.2 (Z)
 eiP 04 19 25.5 (Z)
 iS 20 19.3 (ZE)
 eP 04 42 26.5 (Z)
 eP 04 51 03.0 (Z)
 eiP 05 07 47.2 (Z)
 iS 08 22.5 (Z)
 eiP 06 12 37.0 (Z)
 iS 58.0 (ZNE)
 eP 06 50 45.0 (Z)
 eP 07 24 33.3 (Z)
 iS 25 02.3 (NE)
 eiP 07 47 50.1 (Z)
 iP C 07 52 51.5 (Z)
 iS 57.5 (ZNE)
 eP 08 23 14.8 (Z)
 iS 27.7 (ZNE)
 eP 08 45 06.6 (Z)
 eiP 10 18 30.0 (Z)
 iP D 12 28 45.3 (Z)
 iS 29 05.0 (ZE)
 iP C 16 38 58.5 (Z)
 iS 39 14.1 (ZE)
 iP C 17 48 25.0 (Z)
 iS 50.8 (N)
 eP 23 22 35.5 (Z)
 26 eiP 00 09 52.0 (Z)
 eP 00 31 25.2 (Z)
 iS 55.7 (Z)
 eP 01 54 04.0 (Z)
 eiP D 03 34 51.5 (Z)
 i 35 25.4 (E)
 eP 04 56 35.0 (Z)
 i 46.4 (Z)
 i 57 20.7 (Z)
 e 59 20.0 (Z')
 i(S) 05 00 36.0 (Z'N')
 i 01 04.0 (Z')
 iP D 06 08 33.5 (Z)
 iS 41.0 (ZE)
 eiP 06 49 16.7 (Z)
 e(P) 07 07 40.6 (Z)

T:01.0 A:03.0
 T:01.0 A:07.5

26	eP	07 41	51.5 (Z)		28	iP	D 09 21	14.2 (Z)	
	eP	10 22	45.0 (Z)			iS		31.2 (ZNE)	
	e	23	17.2 (Z)			eP	10 22	05.0 (Z)	
	e		43.1 (Z)			iP	C 12 33	04.2 (Z)	
	e	24	17.0 (Z)			iP	D 16 50	10.3 (Z)	
	iP	C 11 51	33.5 (Z)			iS		29.0 (E)	
	i		40.0 (Z)			eP	18 55	28.0 (Z)	
	i(S)	52	30.2 (E)			e	56	34.0 (Z)	
	iS		34.7 (ZNE)			eP	20 29	06.7 (Z)	
	iP	C 16 26	24.0 (Z)			iS		48.9 (E)	
	iS		44.3 (ZE)			iP	C 21 19	03.0 (Z)	
	iP	C 16 31	41.5 (ZZ')			iS		22.5 (N)	
	iS		58.0 (Z'N'E')			eiP	21 31	28.7 (Z)	
	iP	C 16 44	37.5 (Z)			iS		45.3 (ZE)	
	iS		52.5 (Z)			eiP	21 41	01.8 (Z)	
	iP	C 17 54	22.5 (Z)			iS		19.6 (ZNE)	
	iS		57.0 (Z)			eiP	22 51	50.0 (Z)	
	iP	D 18 54	24.9 (Z)			iS	52	50.5 (ZNE)	
	iS	55	15.7 (ZNE)			eP	23 36	53.5 (Z)	
	iP	D 19 19	45.6 (Z)			e	37	15.7 (Z)	
	iS		58.9 (ZNE)		29	iP	C 02 29	14.9 (Z)	
	eP	22 11	06.6 (Z)			iS	30	25.2 (NE)	
	eiP	23 11	30.6 (Z)			eP	35 39	07.5 (Z)	
	iS		44.1 (ZNE)			iS	10	00.4 (Z)	
27	iP	02 05	57.0 (Z)			eP	06 28	33.7 (Z)	
	iS	06	07.2 (ZNE)			eP	09 30	07.5 (Z)	
	eiP	03 44	12.5 (Z)			e		29.0 (Z)	
	iS		37.0 (ZNE)			eP	11 27	54.0 (Z)	
	eP	05 34	24.2 (Z)			iS	28	30.9 (ZE)	
	iS		49.8 (NE)			iP	C 12 07	34.0 (Z)	
	eiP	08 08	05.7 (Z)			iS		45.5 (ZNE)	
	iS		22.9 (ZN)			iP	D 13 39	53.1 (Z)	
	eP	08 51	03.0 (Z)			iS	40	07.0 (ZNE)	
	e	52	47.0 (Z)			eP	13 55	19.3 (Z)	
	e(P)	09 38	40.8 (Z)			iS		54.1 (ZN)	
	e	40	16.0 (Z)			eP	15 41	00.1 (Z)	
	iP	C 11 50	06.0 (Z)			e(P)	17 33	53.9 (Z)	
	iS		28.0 (ZNE)			iP	D 18 51	34.5 (Z)	
	iP	D 12 18	21.2 (Z)			iS	52	10.6 (N)	
	i		36.5 (Z)			eP	23 31	27.7 (Z)	
	i	19	40.0 (Z)			e	33	34.1 (Z)	
	i(S)	20	02.0 (N'E')			30	eP	02 12	07.4 (Z)
	eiP	16 36	37.8 (Z)			e	13	28.0 (Z)	
	iS	37	28.5 (E)			e	14	39.5 (Z)	
	iP	D 16 38	42.0 (Z)			e(P)	02 37	47.0 (Z)	
	i(S)		57.4 (ZE)			eiP	C 03 10	38.8 (Z)	
	eP	17 26	36.4 (Z)			i(S)	11	27.0 (Z)	
	iS	27	32.8 (Z)			iS		30.0 (NE)	
	iP	D 21 03	36.1 (Z)			eP	04 53	25.3 (Z)	
	iS		52.0 (ZNE)			e(P)	05 07	50.0 (Z)	
	eP	22 33	50.0 (Z)			eP	05 58	03.5 (Z)	
	i	34	04.5 (Z)			eS		32.6 (ZNE)	
28	eP	04 06	16.3 (Z)			iP	D 06 29	21.8 (Z)	
	iS	07	05.0 (Z)			iS		38.6 (ZNE)	
	eP	06 26	40.0 (Z)						
	iS	27	25.6 (NE)						

T:00.9 A:14.0

T:01.2 A:06.0

30 eP		06 49 59.0 (Z)	
iP	D	07 56 58.7 (Z)	
i		57 22.4 (NE)	
eiP		09 55 03.1 (Z)	
eP		10 23 37.1 (Z)	
e		24 31.4 (Z)	
e		41 48.1 (Z')	
iP	G	12 26 29.7 (Z)	
iS		42.6 (ZNE)	
eP		13 32 36.1 (Z)	
eiP		13 51 51.6 (Z)	
i		52 04.1 (Z)	T:00.9 A:08.5
e(P)		17 20 09.4 (Z)	
iP	C	21 22 12.7 (Z)	
iS		52.3 (E)	
iP	D	23 57 57.3 (Z)	
iS		58 05.7 (ZNE)	

C: compresión
 D: dilatación

Arequipa, Julio 7 de 1968

Universidad Nacional de San Agustín
 Instituto Geofísico
 Sección de Sismología
 Casilla 23
 Arequipa, Perú

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E').- Amplificación: 1,500

JULIO, 1968

1 eP	00 55 12.9 (Z)		2 iP	D 18 59 41.1 (Z)	T:01.0 A:12.5
i	36.8 (Z)		i	19 00 05.4 (Z)	T:01.2 A:09.0
iP	D 01 19 17.7 (Z)		e	01 18.5 (Z)	
iS	26.5 (NE)		eP	20 21 25.4 (Z)	
eP	03 53 26.7 (Z)		iS	37.0 (NE)	
eP	04 00 56.5 (Z)		3 iP	03 27 04.9 (Z)	
eP	04 20 33.3 (Z)		iS	15.5 (Z)	
eiP	C 04 25 32.8 (Z)		iP	03 44 12.0 (Z)	
iS	26 05.7 (E)		iS	20.0 (Z)	
eiP	07 08 34.0 (Z)		eP	04 13 40.5 (Z)	
iS	54.0 (ZNE)		iS	55.0 (Z)	
eP	08 49 09.3 (Z)		eP	05 39 05.0 (Z)	
e	39.0 (Z)		iP	06 00 54.4 (Z)	
eP	09 19 27.0 (Z)		iS	58.0 (ZNE)	
i	54.5 (Z)		eP	08 05 12.5 (Z)	
eiP	C 11 04 47.6 (Z)		e(P)	09 13 53.0 (Z)	
i	05 04.9 (Z)	T:01.2 A:21.0	eiP	09 42 59.0 (Z)	
e	08 12.8 (Z)		eiP	10 56 27.4 (Z)	
eiP	11 11 14.9 (Z)		iS	48.8 (E)	
iP	D 11 34 25.3 (Z)		iP	C 11 28 28.5 (Z)	
iS	39.1 (NE)		iS	47.1 (ZNE)	
iP	C 16 15 51.4 (Z)		eiP	12 23 28.9 (Z)	
iS	17 00.4 (ZNE)		iS	24 31.1 (ZN)	
e(P)	19 31 10.1 (Z)		eP	17 17 07.6 (Z)	
2 iP	D 00 23 37.7 (Z)		iS	56.6 (N)	
iS	51.5 (Z)		4 eiP	00 53 45.7 (Z)	
iP	C 03 52 12.8 (Z)		eP	02 39 27.0 (Z)	
iS	39.2 (NE)		eiP	03 11 16.9 (Z)	
eiP	03 52 55.0 (Z)		eP	07 55 08.9 (Z)	
i	53 15.2 (Z)	T:01.2 A:11.0	iP	11 24 05.4 (Z)	
eiP	04 44 14.3 (Z)		iS	16.0 (ZNE)	
i	31.5 (Z)		eiP	C 12 45 38.3 (Z)	
eP	05 01 05.0 (Z)		iP	D 13 22 11.0 (Z)	
eiP	C 05 09 23.3 (Z)		iS	30.0 (ZE)	
eS	36.5 (ZNE)		iP	C 16 10 46.2 (Z)	
e(P)	06 46 15.7 (Z)		iS	11 14.5 (E)	
i	48 48.5 (Z)		iP	C 22 54 09.7 (Z)	
eiP	08 52 50.3 (Z)		iS	41.2 (ZNE)	
iS	53 29.9 (NE)		5 iP	C 00 56 20.9 (Z)	T:01.4 A:01.9
iP	C 08 55 28.3 (Z)		i	27.8 (Z)	
iS	56 07.0 (ZNE)		eP	01 33 50.3 (Z)	
eP	10 22 44.0 (Z)		i	58.5 (Z)	

5	iP	D 01 34 46.0 (Z)		8	eiP	C 04 17 31.0 (Z)
		35 39.8 (E)			iS	18 02.0 (NE)
	iP	C 02 16 09.2 (Z)	T:01.1 A:02.2		eP	04 22 38.9 (Z)
	iP	C 05 32 44.1 (Z)			iS	24 04.3 (E)
	iS	33 01.6 (ZNE)			iP	D 05 25 02.8 (Z)
	iP	C 09 13 33.3 (Z)	T:01.0 A:01.9		iS	18.9 (Z)
	e	14 05.2 (Z)			eP	05 35 13.4 (Z)
	iP	C 09 32 36.2 (Z)			iS	27.0 (ZN)
	iP	D 11 47 43.3 (Z)			eP	06 05 12.3 (Z)
	e	51 10.2 (Z)			eP	06 18 56.7 (Z)
	iP	D 13 22 18.0 (Z)			iS	19 18.0 (E)
	iS	40.1 (ZNE)			eP	06 44 05.8 (Z)
	iP	C 18 40 19.5 (Z)			eS	45 08.1 (E)
	iS	35.1 (ZNE)			iP	D 08 02 21.3 (Z)
	iP	D 23 49 02.5 (Z)			iS	33.0 (ZNE)
	iS	08.7 (ZNE)			eP	08 48 40.0 (Z)
	iP	C 23 53 29.1 (Z)			e	49 09.5 (Z)
	iS	54 49.1 (N)			e	50 26.0 (Z)
6	iP	C 00 12 50.8 (Z)			e	51 03.4 (Z)
	iS	56.1 (ZNE)			e(P)	10 46 27.4 (Z)
	eP	00 42 53.1 (Z)			iP	C 10 51 16.4 (Z)
	iS	43 15.3 (NE)			iS	34.5 (ZNE)
	iP	C 07 49 07.7 (Z)	T:00.6 A:01.7		eP	11 38 37.5 (Z)
	iP	15 46 36.3 (Z)			i	39 03.5 (Z)
	iS	47 01.0 (Z)			eiP	C 11 42 35.0 (Z)
	iP	C 19 41 42.4 (Z)			e	43 54.5 (Z)
	iS	58.7 (ZNE)			eP	12 04 07.3 (Z)
	iP	19 48 36.3 (Z)			iS	48.2 (ZNE)
	i	52.3 (Z)			i(P)	18 03 05.5 (Z)
7	eiP	D 00 24 29.0 (Z)			iS	48.7 (E)
	i	49.5 (Z)			eiP	D 21 38 43.5 (Z)
	eP	05 52 23.0 (Z)			iS	39 20.0 (ZNE)
	eP	08 42 57.0 (Z)			eP	21 44 29.5 (Z)
	iP	D 08 48 58.0 (Z)			i	41.5 (Z)
	iS	49 51.8 (ZE)			i	45 10.5 (Z)
	e(P)	09 17 42.0 (Z)		9	eP	00 10 26.7 (Z)
	i	58.5 (Z)			iS	11 45.5 (NE)
	iP	C 09 21 45.6 (Z)	T:01.5 A:03.0		eP	02 40 38.5 (Z)
	iP	C 11 01 01.0 (Z)			i	55.0 (Z)
	iS	02 02.1 (ZNE)			iS	41 56.5 (ZNE)
	eP	11 14 35.0 (Z)			eP	03 52 40.5 (Z)
	iS	15 26.0 (Z)			eiP	03 59 39.9 (Z)
	eiP	12 38 43.0 (Z)			eiP	D 04 13 11.7 (Z)
	i	39 08.1 (Z)			eP	05 17 13.0 (Z)
	eP	13 38 30.0 (Z)			eP	05 29 39.0 (Z)
	iS	40 33.9 (E)			iS	49.0 (ZNE)
	eP	18 48 41.0 (Z)			eP	09 11 06.5 (Z)
	iS	49 14.4 (E)			iP	C 15 32 41.0 (Z)
	eiP	C 23 12 55.0 (Z)			iS	33 50.5 (ZE)
	eiP	23 50 59.6 (Z)			iP	C 16 16 13.0 (Z)
	i	51 08.7 (Z)			iS	29.2 (ZN)
8	iP	D 01 38 51.7 (Z)			i(P)	16 17 20.4 (Z)
	iS	39 03.0 (ZNE)			iS	58.5 (ZNE)
					eP	19 59 24.3 (Z)
					iS	55.9 (ZN)

9 eP 23 48 09.5 (Z)
 10 e(L) 01 00 39.0 (Z)
 iP C 02 31 50.5 (Z)
 iS 32 30.0 (N)
 iP D 05 25 14.6 (Z)
 iS 28.2 (ZNE)
 eP 06 39 32.0 (Z)
 i 40 04.5 (Z)
 i(S) 43 14.5 (Z)
 eiP 07 59 31.2 (Z)
 eP 08 09 32.0 (Z)
 e 43.0 (Z)
 eP 08 28 46.0 (Z)
 iS 29 47.5 (ZNE)
 eiP 09 37 41.5 (Z)
 iS 56.9 (NE)
 iP D 09 44 12.0 (Z)
 iS 28.0 (ZNE)
 eP 10 11 04.5 (Z)
 i 43.2 (Z)
 iP D 10 27 12.5 (Z)
 iS 30.6 (ZNE)
 iP C 15 47 57.1 (Z)
 iS 48 02.1 (ZNE)
 eP 18 49 42.4 (Z)
 iP C 20 26 02.0 (Z)
 iS 20.6 (ZNE)
 11 iP C 00 39 47.0 (Z)
 iS 40 18.0 (ZNE)
 eP 00 45 14.0 (Z)
 iP C 01 55 03.6 (Z)
 iS 56 05.0 (ZN)
 iP C 02 18 10.0 (Z)
 iS 19 22.3 (ZNE)
 eiP 03 58 14.5 (Z)
 iS 34.7 (ZNE)
 iP D 04 21 27.5 (Z)
 iS 38.5 (ZNE)
 eP 05 04 12.5 (Z)
 iS 38.4 (ZE)
 eP 07 34 15.0 (Z)
 iS 28.1 (ZNE)
 iP D 07 35 12.8 (Z)
 iS 17.5 (ZNE)
 eP 07 39 43.0 (Z)
 eiP C 07 41 47.0 (Z)
 iS 42 25.2 (N)
 eiP 08 02 41.0 (Z)
 eP 08 31 23.5 (Z)
 iS 32 36.7 (NE)
 eP 09 09 30.7 (Z)
 i 10 06.9 (Z)
 eP 09 40 36.9 (Z)

T:00.9 A:06.5
 T:01.4 A:08.5

11 eP 14 01 13.0 (Z)
 eS 02 03.0 (NE)
 iP 16 38 35.7 (Z)
 iS 48.6 (ZNE)
 iP D 20 15 10.1 (Z)
 iS 32.6 (ZNE)
 iP C 21 13 47.5 (Z)
 iS 14 00.1 (ZNE)
 12 eP 01 04 13.0 (Z)
 i 05 05.5 (Z)
 eP 04 15 56.0 (Z)
 i 16 03.2 (Z)
 i 17 47.5 (Z)
 eP 07 20 23.4 (Z)
 iS 33.0 (ZNE)
 eiP D 07 52 29.0 (Z)
 iS 47.0 (N)
 eP 10 21 09.0 (Z)
 e 21.0 (Z)
 i 44.8 (Z)
 iP 12 19 26.3 (Z)
 iS 20 05.9 (Z)
 iP 15 13 30.8 (Z)
 iS 45.2 (ZNE)
 iP C 16 35 57.8 (Z)
 i(S) 36 13.1 (E)
 i(S) 25.5 (N)
 eP 18 00 54.1 (Z)
 iP 19 27 40.5 (Z)
 iS 59.1 (N)
 13 iP C 01 36 35.6 (Z)
 iS 50.0 (ZNE)
 eP 01 41 04.6 (Z)
 eP 01 46 07.8 (Z)
 eP 01 51 01.0 (Z)
 iP C 04 39 34.3 (Z)
 iS 47.0 (N)
 eiP 05 35 37.8 (Z)
 iS 36 40.8 (ZNE)
 eP 05 53 34.5 (Z)
 iS 54 45.0 (NE)
 iP D 06 21 35.2 (Z)
 iS 53.0 (ZNE)
 eiP 06 41 23.0 (Z)
 eP 06 45 24.0 (Z)
 eP 06 57 40.3 (Z)
 eP 07 01 15.3 (Z)
 iP C 07 41 26.8 (Z)
 iS 32.0 (ZNE)
 iP C 08 15 34.6 (Z)
 iS 40.5 (ZNE)
 iP C 08 24 50.0 (Z)
 iS 55.3 (ZNE)

T:01.0 A:05.5

19	eiP	D 06 30	08.0 (Z)		22	iP	C 05 20	12.5 (Z)	T:00.9 A:02.0
	iS		36.4 (ZNE)			i		24.5 (Z)	
	eiP	10 02	52.2 (Z)	T:01.0 A:03.4		iP	D 05 40	32.0 (Z)	
	iP	D 10 11	27.2 (Z)			iS	41	32.5 (ZNE)	
	iS		49.5 (ZNE)			eP	07 39	05.0 (Z)	
	iP	D 16 19	08.1 (Z)			eP	09 01	00.5 (Z)	
	e(S)		15.1 (E)			i		31.6 (Z)	
	eP	21 59	52.1 (Z)			eP	09 45	54.0 (Z)	
	i		54.6 (Z)			iS	46	46.0 (ZE)	
	iS	22 00	53.3 (NE)			eP	10 13	51.2 (Z)	
20	eP	02 02	28.5 (Z)			i	14	18.3 (Z)	T:01.0 A:05.5
	eiP	04 19	31.5 (Z)			iP	10 35	25.0 (Z)	
	iS	20	44.5 (E)			iS		28.7 (ZE)	
	eP	04 53	44.0 (Z)			iP	D 11 30	53.0 (Z)	
	e	54	02.8 (Z)			iS	31	14.3 (ZNE)	
	eP	07 57	11.0 (Z)			iP	C 12 10	54.5 (Z)	
	iS	58	02.8 (NE)			iS	11	27.7 (Z)	
	eP	10 06	15.0 (Z)			iP	C 18 03	43.5 (Z)	
	e		27.9 (Z)			iS		52.3 (ZE)	
	iP	C 12 05	21.5 (Z)			iP	C 20 41	12.1 (Z)	
	iS		55.8 (ZN)			iS		33.4 (ZNE)	
	iP	D 12 15	41.3 (Z)			eP	22 56	15.6 (Z)	
	iS		50.1 (NE)			iS		59.6 (Z)	
	iP	D 16 27	03.4 (Z)			eP	23 35	31.1 (Z)	
	iS		35.0 (ZNE)			23	iP	D 03 49	37.5 (Z)
	iP	D 17 26	25.6 (Z)				iS	50	14.6 (ZNE)
	iS		39.5 (ZNE)				iP	C 05 31	14.4 (Z)
	eP	21 31	24.5 (Z)				iS		44.6 (ZE)
	e	32	32.0 (Z)				iP	C 06 35	48.7 (Z)
	eiP	23 25	16.2 (Z)				iS		52.2 (ZN)
	iS		32.0 (ZNE)				eiP	C 06 48	17.7 (Z)
	e(P)	23 29	43.5 (Z)				iS		21.8 (ZNE)
21	eP	01 22	23.5 (Z)				iP	D 06 59	48.3 (Z)
	e		41.9 (Z)				iS	07 00	00.6 (ZNE)
	eP	04 06	26.2 (Z)				iP	07 59	56.5 (Z)
	iS	07	37.6 (ZNE)				iS	08 00	19.0 (ZNE)
	eP	04 26	43.4 (Z)				iP	D 09 05	23.6 (Z)
	eP	05 02	57.5 (Z)				iS	06	04.4 (E)
	iP	D 05 05	18.2 (Z)				i(S)		11.0 (N)
	eP	08 14	43.5 (Z)				eiP	10 31	27.1 (Z)
	iP	C 09 02	32.8 (Z)				iP	D 11 46	58.6 (Z)
	iS		47.2 (NE)				iS	47	15.1 (ZNE)
	eP	10 17	48.2 (Z)				iP	D 12 42	31.6 (Z)
	i	18	03.9 (Z)				iS		48.1 (ZNE)
	iP	C 16 48	45.6 (Z)				iP	C 19 15	28.2 (Z)
	i		51.6 (Z)				iS	16	14.4 (ZN)
	iS	49	39.3 (E)				i(P)	21 09	06.2 (Z)
	iP	D 17 35	23.4 (Z)			24	eP	08 26	38.4 (Z)
	iS		28.3 (ZNE)				i	27	10.9 (Z)
	eiP	D 21 23	21.1 (Z)	T:01.0 A:04.0			iP	C 16 45	58.7 (Z)
22	eP	01 53	29.0 (Z)				iS	46	12.2 (Z)
	iP	D 03 30	50.0 (Z)				eiP	22 35	16.2 (Z)
	iS	31	07.4 (ZNE)				i		21.2 (Z)
							eP	23 38	25.2 (Z)
							iS	39	49.7 (E)

25 eP 03 00 25.0 (Z)
 e 01 03.8 (Z)
 iP D 03 06 38.4 (Z)
 iS 58.0 (NE)
 e(P) 04 31 37.4 (Z)
 e 32 30.9 (Z)
 iP C 07 36 29.5 (Z)
 i 50.1 (Z)
 i 38 12.1 (Z)
 e 40 09.6 (Z)
 e 42 23.4 (Z)
 eP 07 53 16.6 (Z)
 eP 08 01 22.9 (Z)
 eiP 09 20 55.1 (Z)
 iS 21 15.7 (ZNE)
 eiP D 10 26 35.1 (Z)
 iP C 11 25 35.9 (Z)
 iS 40.5 (ZNE)
 iP D 15 59 54.2 (Z)
 iS 16 00 09.7 (NE)
 iP D 21 22 22.5 (Z)
 iS 39.4 (Z)
 iP C 23 15 04.3 (Z)
 iS 16 16.0 (N)
 26 iP C 05 48 49.1 (Z)
 iP D 06 06 20.7 (Z)
 iS 28.6 (ZNE)
 iP C 06 24 40.5 (Z)
 iS 25 09.5 (ZNE)
 eP 06 36 07.6 (Z)
 iS 15.3 (ZNE)
 eP 06 41 14.1 (Z)
 eP 09 51 40.1 (Z)
 e 58.1 (Z)
 iP C 11 50 10.6 (Z)
 iS 23.6 (ZNE)
 iP D 14 02 02.8 (Z)
 i 34.4 (Z)
 i 03 00.2 (Z)
 iP D 14 08 42.7 (Z)
 iS 57.5 (Z)
 iP D 17 17 00.7 (Z)
 i 11.7 (Z)
 27 iP C 02 32 04.0 (Z)
 iS 35.0 (N)
 eP 03 02 05.7 (Z)
 i 18.5 (Z)
 iP C 03 29 23.3 (Z)
 iS 27.5 (ZNE)
 eiP D 05 58 55.6 (Z)
 eP 06 55 45.3 (Z)
 i 57 00.0 (Z)
 eP 08 12 07.0 (Z)
 eiP C 10 00 51.0 (Z)

T:01.6 A:08.0
 T:01.5 A:13.5

T:01.0 A:07.0

T:01.0 A:04.0

27 eP 10 59 05.4 (Z)
 iS 28.1 (E)
 iP D 11 08 20.1 (Z)
 iS 37.8 (ZNE)
 iP C 23 19 06.6 (Z)
 iS 37.4 (Z)
 eiP 23 55 06.4 (Z)
 iS 30.8 (E)
 28 iP C 01 37 26.0 (Z)
 iS 43.5 (ZNE)
 iP C 03 46 52.9 (Z)
 iS 47 24.0 (ZNE)
 iP C 07 43 46.4 (Z)
 iS 44 19.1 (ZE)
 eP 08 27 28.3 (Z)
 eiP C 15 49 47.1 (Z)
 iP D 16 39 35.3 (Z)
 iS 40 03.7 (ZE)
 eP 18 39 00.6 (Z)
 i(P) 18 41 32.9 (Z)
 iS 42 12.5 (E)
 eP 19 55 10.5 (Z)
 iS 56 13.0 (N)
 eP 20 08 25.0 (Z)
 iP C 21 20 32.5 (Z)
 iS 21 44.3 (Z)
 iP D 23 36 29.7 (Z)
 iS 35.7 (ZNE)
 29 eP 02 57 29.2 (Z)
 eP 03 03 30.5 (Z)
 iS 48.7 (N)
 eiP C 03 50 20.6 (Z)
 iS 51 27.5 (ZNE)
 iP C 03 58 49.6 (Z)
 iS 59 06.5 (ZNE)
 eP 04 25 52.8 (Z)
 eS 26 25.5 (E)
 iP D 05 57 55.0 (Z)
 iS 58 32.3 (Z)
 eP 06 34 59.0 (Z)
 iS 35 17.3 (ZNE)
 eiP D 08 27 52.4 (Z)
 iS 28 54.0 (NE)
 eP 09 43 37.3 (Z)
 iS 44.3 (ZNE)
 eP 10 01 24.9 (Z)
 eP 11 25 24.2 (Z)
 iP 11 53 55.6 (Z)
 iS 54 13.5 (ZNE)
 eiP D 12 33 14.5 (Z)
 eP 13 56 49.0 (Z)
 iS 57 00.1 (ZNE)
 eP 15 32 12.8 (Z)

29	iP	C 17 48	30.1 (Z)	
	iS		37.1 (ZNE)	
	iP	20 10	51.4 (Z)	
	iS	11	06.6 (Z)	
	eiP	21 31	17.0 (Z)	
	iS	32	12.2 (NE)	
	eiP	22 56	43.1 (Z)	
	iS	58	02.5 (NE)	
30	iP	C 00 12	05.0 (Z)	
	eP	00 22	23.0 (Z)	
	eP	00 35	53.0 (Z)	
	eS	36	33.0 (E)	
	eP	02 00	37.0 (Z)	
	iS		54.8 (ZNE)	
	eP	02 47	21.3 (Z)	
	iP	C 04 23	39.0 (Z)	T:01.0 A:01.0
	eP	07 27	34.5 (Z)	
	eP	07 58	29.0 (Z)	
	iP	C 10 34	48.6 (Z)	
	iS	35	30.2 (NE)	
	iP	C 15 55	40.3 (Z)	
	i(S)	56	47.6 (ZNE)	
	eiP	20 41	46.0 (Z)	
	iS	44	30.3 (ZNE)	
	eP	23 36	44.0 (Z)	
31	iP	C 00 38	27.1 (Z)	
	iS		43.5 (ZNE)	
	eP	00 58	25.0 (Z)	
	eP	01 12	12.0 (Z)	
	iS		47.0 (ZNE)	
	eP	04 23	34.2 (Z)	T:01.0 A:01.0
	i		47.3 (Z)	T:01.0 A:01.2
	iP	C 04 59	33.7 (Z)	
	iS	05 00	02.0 (ZNE)	
	eP	11 37	08.0 (Z)	
	eP	13 06	37.1 (Z)	
	eS	07	06.6 (NE)	
	iP	C 16 36	36.5 (Z)	
	iS		51.9 (ZNE)	
	eP	16 45	10.6 (Z)	
	eP	23 25	56.6 (Z)	

 C: compresión
 D: dilatación

Universidad Nacional de San Agustín
 Instituto Geofísico
 Sección de Sismología
 Casilla 23
 Arequipa, Perú

Arequipa, Agosto 9 de 1968

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E').- Amplificación: 1,500

AGOSTO, 1968

1 eP	00 27 34.0 (Z)		3 eP	10 11 06.0 (Z)	
e	28 07.0 (Z)		eP	10 16 36.2 (Z)	
iP	C 01 54 18.9 (Z)		i(P)	12 40 37.0 (Z)	
iS	55.0 (NE)		iP	C 20 59 11.1 (Z)	
eiP	02 37 25.2 (Z)		iS	36.0 (ZNE)	
iS	42.0 (ZNE)		4 iP	D 03 45 26.9 (Z)	
eP	07 57 20.0 (Z)		iS	48.0 (ZNE)	
eP	20 39 26.0 (Z)		eiP	04 15 18.0 (Z)	T:01.0 A:01.9
i	33.0 (Z)		eiP	12 01 15.1 (Z)	
i	44 26.0 (Z)		i	59.1 (Z)	
eP	21 44 33.0 (Z)		e	05 34.9 (Z)	
iS	45 28.5 (NE)		e	10 18.1 (Z)	
2 eP	00 23 37.3 (Z)		e	29.1 (Z)	
eP	02 24 06.0 (Z)		eiP	D 15 25 54.3 (Z)	
eS	44.5 (N)		i	26 05.3 (Z)	
eP	06 40 59.1 (Z)		iS	27 08.4 (ZNE)	
e	43 38.9 (Z)		eiP	C 22 29 20.1 (Z)	
iP	D 06 58 24.0 (Z)		iS	31.3 (ZNE)	
iS	35.7 (ZNE)		iP	D 22 58 40.3 (Z)	
eP	11 29 24.0 (Z)		iS	51.0 (ZNE)	
eiP	D 11 55 24.4 (Z)		eP	23 04 17.6 (Z)	
iS	49.5 (ZNE)		iS	46.3 (ZNE)	
eiP	13 49 38.5 (Z)		eP	23 33 44.1 (Z)	
iP	C 14 14 30.9 (Z)	T:01.6 A:03.0	eS	34 47.1 (E)	
eP	16 09 52.5 (Z)		5 eP	00 08 49.3 (Z)	
eiP	23 07 25.0 (Z)		eiP	01 10 15.0 (Z)	
i	34.6 (Z)		iS	11 41.9 (NE)	
iS	08 30.6 (ZNE)		iP	C 02 13 37.1 (Z)	
eP	23 17 32.5 (Z)		iS	56.0 (ZNE)	
3 iP	C 01 44 35.2 (Z)		eP	04 22 39.0 (Z)	
eS	45 01.0 (NE)		eS	24 10.0 (NE)	
eiP	C 04 24 04.2 (Z)		eP	07 30 07.0 (Z)	
i	09.9 (Z)		iS	21.8 (NE)	
iS	25 06.0 (ZNE)		eiP	07 33 57.0 (Z)	
eiP	D 05 14 33.2 (Z)	T:02.0 A:06.0	iS	34 16.5 (NE)	
i	18 49.2 (Z)		iP	D 08 12 51.0 (Z)	
iP	C 06 14 21.1 (Z)		iS	13 08.7 (NE)	
iS	37.0 (ZNE)		eP	10 19 24.5 (Z)	
eP	06 45 12.0 (Z)		eS	20 24.0 (NE)	
e	49 30.0 (Z)		iP	D 12 48 25.7 (Z)	
iP	C 08 00 53.9 (Z)		iS	39.4 (NE)	
iS	01 11.5 (ZNE)		iP	C 14 25 17.2 (Z)	
iP	C 09 38 57.1 (Z)		i	19.2 (Z)	
iS	39 14.3 (ZNE)		i	30.1 (NE)	
			i(S)	26 27.1 (E)	
			i(S)	37.1 (N)	

5 iP C 16 22 02.8 (Z)
 iS 17.3 (ZNE)
 eP 16 36 53.1 (Z)
 i 37 01.2 (Z)
 e 40 40.6 (Z)
 eP 16 48 51.6 (Z)
 eiP 20 18 32.1 (Z)
 iS 19 20.1 (NE)
 eP 23 20 18.1 (Z)
 6 eP 02 54 26.7 (Z)
 e 56 01.9 (Z)
 eP 03 31 37.3 (Z)
 eP 03 36 32.0 (Z)
 eiP 04 11 43.2 (Z)
 iS 12 03.0 (E)
 eiP D 04 40 58.6 (Z)
 iP D 05 13 10.7 (Z)
 e 14 15.0 (Z)
 eP 05 20 34.3 (Z)
 iS 21 18.3 (E)
 eP 06 03 57.5 (Z)
 iP D 06 44 32.9 (Z)
 iS 45 52.1 (ZNE)
 i 46 43.7 (Z)
 iP C 08 53 35.8 (Z)
 iS 54 06.8 (Z)
 iP D 20 01 51.0 (Z)
 iS 02 17.8 (E)
 eP 21 43 19.6 (Z)
 iP C 22 22 39.5 (Z)
 iS 23 32.3 (NE)
 7 e(P) 00 24 35.5 (Z)
 iP C 05 15 53.0 (Z)
 iS 16 10.4 (E)
 eP 06 46 41.9 (Z)
 iS 47 06.3 (NE)
 eiP D 07 26 38.8 (Z)
 e 27 09.0 (Z)
 e 30 34.5 (Z)
 eP 08 17 38.5 (Z)
 iS 18 57.5 (Z)
 iP D 11 23 41.0 (Z)
 iS 57.2 (Z)
 iP C 14 46 52.7 (Z)
 iP D 15 34 14.6 (Z)
 iS 48.3 (N)
 8 eP 03 18 01.4 (Z)
 iS 19 54.7 (ZNE)
 eP 04 35 20.8 (Z)
 iS 38.6 (ZNE)
 eiP D 05 14 43.7 (Z)
 i 15 26.7 (Z)
 eiP C 10 25 21.9 (Z)
 iS 50.0 (ZN)

T:01.0 A:01.7

T:01.0 A:02.5

8 iP C 16 04 21.5 (Z)
 iP D 16 54 13.5 (Z)
 iS 22.0 (NE)
 eP 18 09 11.8 (Z)
 iP C 22 23 04.6 (Z)
 i 13.8 (Z)
 9 eiP D 02 11 29.4 (Z)
 iS 50.2 (ZE)
 iP C 03 15 34.8 (Z)
 i 17 09.2 (Z)
 e(L) 26 53.0 (N)
 eP 03 39 18.0 (Z)
 eP 06 54 32.0 (Z)
 i 37.5 (Z)
 i 58 14.0 (Z)
 i(S) 35.5 (N)
 eP 07 17 06.0 (Z)
 i 08.9 (Z)
 iP 07 19 12.2 (Z)
 i(S) 21 04.5 (Z)
 i 14.5 (N)
 i(S) 23 06.9 (Z)
 i 17.0 (N)
 eP 07 29 22.0 (Z)
 i(S) 33 22.2 (Z)
 iP C 09 20 20.6 (Z)
 iS 50.4 (ZN)
 eP 09 57 31.5 (Z)
 eP 11 45 47.0 (Z)
 eiP 12 10 47.2 (Z)
 e 14 47.0 (Z)
 eP 12 45 42.1 (Z)
 iS 46 02.9 (Z)
 iP C 16 38 20.0 (Z)
 iS 36.5 (NE)
 e(P) 18 56 21.1 (Z)
 eP 19 50 07.9 (Z)
 iS 31.6 (N)
 iP D 23 09 36.9 (Z)
 iS 10 10.6 (NE)
 10 eiP 02 27 04.2 (Z)
 i 36.1 (Z)
 i 29 35.2 (Z)
 i 31 59.5 (Z)
 i 37 20.6 (Z)
 e(P) 03 00 08.0 (Z)
 e 03 16.0 (Z)
 eiP 04 17 39.0 (Z)
 e 19 05.8 (Z)
 eP 04 22 24.8 (Z)
 e(S) 25 47.0 (Z)
 i 26 04.5 (ZE)
 e(P) 04 35 12.7 (Z)
 e 36 15.9 (Z)
 iP C 06 10 35.7 (Z)
 iS 58.5 (E)

T:01.2 A:05.5

T:01.4 A:07.5

10 eiP C 06 11 44.3 (Z)
i 12 16.9 (Z)
e 19 45.0 (Z)
iP C 06 29 04.7 (Z)
iS 51.4 (N)
eiP 08 30 43.5 (Z)
eP 10 26 19.5 (Z)
eiP 15 42 10.2 (Z)
eiP 16 06 04.0 (Z)
iP D 17 05 28.8 (Z)
iS 33.9 (ZNE)
eiP C 17 30 51.0 (Z)
iS 31 18.0 (ZNE)
iP 19 02 56.4 (Z)
iS 03 21.6 (Z)
eP 23 16 29.6 (Z)
11 eP 01 13 23.5 (Z)
i 30.0 (Z)
iS 14 16.0 (ZNE)
i(S) 27.9 (ZNE)
iP C 02 43 35.2 (Z)
i(S) 59.2 (Z)
eP 04 43 10.0 (Z)
iS 26.4 (NE)
eP 05 26 31.3 (Z)
eP 06 46 42.8 (Z)
e(P) 06 50 14.0 (Z)
eiP 08 01 51.0 (Z)
eS 02 18.9 (ZE)
eP 09 20 34.3 (Z)
e 51.7 (Z)
eP 02 32 21.0 (Z)
eP 10 11 15.5 (Z)
i 40.5 (Z)
iP 11 37 24.9 (Z)
iS 38 11.6 (ZN)
eP 15 28 16.5 (Z)
iP D 18 22 47.8 (Z)
iS 23 28.8 (E)
eP 20 20 38.1 (Z)
i 21 12.6 (Z)
eP 20 27 51.1 (Z)
e 31 05.9 (Z)
iP D 22 39 12.1 (Z)
iS 28.4 (ZNE)
12 iP C 01 34 10.0 (Z)
iP D 02 17 10.3 (Z)
eP 04 16 37.5 (Z)
iS 17 19.4 (NE)
iP C 05 15 17.9 (Z)
iS 53.6 (ZNE)
eP 05 42 18.5 (Z)

T:01.0 A:25.5

T:00.8 A:02.0

12 eiP 07 21 08.0 (Z)
iS 50.0 (NE)
eP 07 41 25.0 (Z)
iS 42 11.5 (NE)
eP 09 18 57.5 (Z)
iS 19 38.8 (NE)
eiP 09 41 51.0 (Z)
iS 42 05.5 (ZNE)
eP 10 12 42.5 (Z)
iS 13 01.3 (N)
iP C 13 00 42.2 (Z)
iS 01 10.3 (ZNE)
iP C 14 04 13.0 (Z)
eiP 16 39 06.5 (Z)
iS 41.4 (Z)
iP 20 19 24.6 (Z)
iS 45.6 (N)
iP C 22 21 44.1 (Z)
iS 22 16.8 (E)
iP C 23 19 22.9 (Z)
13 eP 03 13 01.6 (Z)
i 14 18.0 (Z)
iP D 07 32 31.2 (Z)
iS 33 56.0 (N)
eiP 16 30 34.5 (Z)
iS 50.7 (E)
eiP 17 48 41.1 (Z)
iS 49 04.0 (E)
iP C 17 59 29.7 (Z)
iS 45.5 (Z)
iP 18 40 51.0 (Z)
iS 41 03.6 (ZN)
eiP 20 05 27.7 (Z)
iS 39.7 (ZNE)
iP C 22 05 27.2 (Z)
iS 06 20.6 (ZNE)
14 eP 02 56 38.3 (Z)
iS 57 03.5 (N)
iP C 03 46 58.5 (Z)
iS 47 14.6 (ZE)
eP 04 27 58.0 (Z)
iS 28 30.2 (Z)
eP 07 18 54.8 (Z)
iP C 08 47 09.8 (Z)
iP C 08 54 37.7 (Z)
iS 57.0 (E)
iP D 09 15 32.8 (Z)
iS 16 10.5 (Z)
iP C 16 26 19.2 (Z)
iS 49.0 (Z)
iP C 16 41 58.5 (Z)
iS 43 25.5 (ZE)
iP C 18 27 13.5 (Z)
iS 28 15.2 (Z)

T:01.3 A:06.0

14 eiP 22 34 23.1 (Z)
 i 35 12.0 (Z)
 i 38 53.8 (Z)

15 eP 05 25 28.3 (Z)
 e 45.5 (Z)

eP 05 27 58.7 (Z)
 iS 28 56.5 (ZNE)

iP D 06 30 40.0 (Z)
 iS 31 45.0 (E)

eiP C 07 03 53.7 (Z)
 e 04 39.5 (Z)

eP 07 20 30.0 (Z)

eiP 07 54 03.0 (Z)
 iS 14.0 (NE)

iP C 08 40 17.9 (Z)
 iS 35.7 (NE)

eP 10 22 09.4 (Z)

iP D 11 39 46.0 (Z)
 i(S) 40 55.9 (Z)
 iS 41 15.6 (E)

eiP C 17 11 03.7 (Z)

eiP C 18 12 53.5 (Z)
 iS 14 20.9 (ZE)

eiP C 19 50 53.5 (Z)

iP C 20 42 44.9 (Z)

16 iP D 01 02 33.3 (Z)
 iS 03 58.0 (NE)

iP C 02 48 44.5 (Z)
 iS 49 22.5 (ZNE)

eiP D 24 33 27.2 (Z)
 iS 34 11.6 (E)

eP 06 00 04.0 (Z)
 iS 01 56.9 (E)

eP 06 08 13.0 (Z)
 iS 09 36.4 (E)

iP C 08 03 34.5 (Z)
 iS 54.5 (Z)

iP D 08 13 57.2 (Z)
 iS 14 03.5 (ZNE)

eP 08 26 43.0 (Z)
 iS 27 30.7 (E)
 i(S) 41.5 (E)

iP D 09 14 12.4 (Z)
 iS 28.0 (ZNE)

iP D 09 38 54.5 (Z)
 iS 39 05.9 (NE)

iP D 09 58 50.8 (Z)
 iS 59 48.6 (N)

eiP 10 22 42.9 (Z)
 e 23 13.5 (Z)

eP 10 31 00.0 (Z)
 e 39.5 (Z)

eP 11 29 04.5 (Z)

T:01.4 A:03.5

16 iP D 17 19 27.1 (Z)
 iS 39.3 (Z)

eiP 18 33 49.1 (Z)

iP C 19 28 07.3 (Z)
 iS 48.1 (ZNE)

17 iP C 01 15 26.5 (Z)
 iS 16 29.2 (ZE)

eP 02 22 52.0 (Z)
 iS 23 10.8 (ZNE)

iP C 04 04 06.0 (Z)
 iS 18.5 (N)

eiP D 04 20 33.4 (Z)
 i 21 04.0 (Z)

eiP 04 23 32.4 (Z)
 iS 54.3 (N)

eP 04 30 02.5 (Z)
 e 31 05.2 (Z)

eP 04 57 40.7 (Z)
 i 58 06.2 (Z)

eiP 10 13 38.6 (Z)

eP 10 56 40.1 (Z)

eiP 11 00 27.8 (Z)

iP C 16 41 26.5 (Z)
 iS 44.0 (E)

18 eiP 00 11 26.0 (Z)
 iS 12 37.0 (NE)

iP C 02 28 21.1 (Z)
 iS 27.3 (ZNE)

iP C 03 00 20.0 (Z)
 iS 26.1 (ZNE)

eP 06 04 06.2 (Z)

iP D 06 28 54.9 (Z)
 iS 29 15.8 (E)

iP D 07 32 09.0 (Z)

eP 07 41 33.4 (Z)

iP D 09 33 49.4 (Z)
 iS 34 06.3 (Z)

iP D 09 51 13.9 (Z)
 iS 24.9 (ZNE)

eiP 10 01 49.3 (Z)
 iS 02 34.5 (ZNE)

iP 10 03 37.0 (Z)
 iS 47.5 (ZNE)

eiP 11 15 20.0 (Z)
 iS 16 13.3 (ZE)

eP 16 40 09.1 (Z)
 iS 41 05.2 (Z)

eiP 18 56 26.8 (Z)

iP D 19 06 24.5 (Z)

iP C 19 10 12.0 (Z)

iP D 19 17 15.8 (Z)

T:01.5 A:12.5

T:01.0 A:04.0

T:01.2 A:02.3

18	eP	20	47	45.1	(Z)	19	iP	C	19	30	01.5	(Z)	
	iS		48	27.4	(NE)		iS				26.1	(ZNE)	
	iP	D	21	58	22.1	(Z)		iP		22	04	31.1	(Z)
	eP		22	01	30.7	(Z)		iS				48.5	(Z)
	i			02	08.4	(Z)		eP		22	37	57.3	(Z)
19	iP	C	00	52	43.0	(Z)		iS			38	14.8	(ZNE)
	iS			53	06.1	(Z)		iP	D	22	41	02.2	(Z)
	iP	C	02	42	48.1	(Z)		iS				22.6	(ZNE)
	iS			43	00.8	(Z)		iP	C	23	15	28.6	(Z)
	eP		04	25	08.5	(Z)		iS				45.4	(NE)
	iS			26	01.8	(NE)		eiP		23	24	32.9	(Z)
	eP		06	36	03.5	(Z)		i(S)			25	36.8	(NE)
	iS				29.1	(N)		iP	C	23	28	44.0	(Z)
	eP		07	07	51.7	(Z)		iS			29	14.1	(ZNE)
	iS			08	09.0	(ZNE)	20	eiP	C	00	15	57.3	(Z)
	eiP	D	08	40	35.0	(Z)		iS			16	28.0	(NE)
	iS			41	01.5	(N)		iP	D	00	22	51.2	(Z)
	iP	C	11	31	03.7	(Z)		iS			23	05.5	(NE)
	iS				20.7	(ZNE)		eP		01	42	09.6	(Z)
	iP	D	11	32	10.7	(Z)		iS				30.5	(E)
	iS				28.6	(Z)		eP		02	21	50.5	(Z)
	iP	D	11	40	35.7	(Z)		iS			22	45.9	(ZNE)
	iS				52.5	(ZNE)		eP		02	41	30.2	(Z)
	iP	D	12	19	51.9	(Z)		iS				54.6	(N)
	iS			20	09.0	(ZNE)		eiP		03	32	39.5	(Z)
	iP	D	12	30	35.5	(Z)		iS				57.0	(ZNE)
	iS				53.1	(NE)		iP	D	03	55	28.5	(Z)
	eP		12	54	36.5	(Z)		iS				46.0	(ZNE)
	iS			55	45.0	(ZNE)		iP	D	03	58	10.0	(Z)
	eiP		12	57	46.7	(Z)		iS				28.7	(ZNE)
	i			59	07.0	(Z)		iP	C	04	00	00.9	(Z)
	iP	D	13	04	04.3	(Z)		iS				18.5	(ZNE)
	iS				20.8	(ZNE)		eP		04	41	29.0	(Z)
	iP	C	13	21	04.5	(Z)		e(S)			43	34.0	(ZE)
	iS				36.8	(E)		eiP		05	04	30.0	(Z)
	iP	C	13	46	55.5	(Z)		iS				47.1	(ZNE)
	iS			47	13.0	(ZE)		eiP		09	15	11.5	(Z)
	iP		14	20	49.6	(Z)		iS				28.5	(ZNE)
	iS			21	07.1	(ZNE)		iP	D	10	12	31.2	(Z)
	iP	D	15	37	45.5	(Z)		iS				50.8	(Z)
	iS				51.0	(ZNE)		iP	D	15	52	59.5	(Z)
	eiP		16	24	35.5	(Z)		iS			53	16.5	(E)
	iS				52.5	(ZNE)		iP	C	19	40	23.7	(Z)
	iP		16	33	54.4	(Z)		iS				41.5	(E)
	iS			34	07.5	(ZE)		iP	C	20	34	16.2	(Z)
	iP	D	16	37	12.0	(Z)		iS				33.4	(ZNE)
	iS				17.2	(ZNE)		eP		21	56	22.8	(Z)
	iP	D	17	08	20.5	(Z)		iS				39.3	(ZNE)
	iS				33.0	(ZNE)		iP	C	21	59	00.2	(Z)
	iP		18	47	06.1	(Z)		iS				27.8	(Z)
	iS				23.7	(ZNE)		eiP		22	18	07.6	(Z)
	eP		19	05	52.1	(Z)		iS			19	19.6	(E)
	iS			06	09.1	(ZE)		iP	C	23	32	23.9	(Z)
	iP	D	19	12	14.6	(Z)		iS				53.6	(ZNE)
	iS				32.1	(ZNE)							

21 iP D 02 36 19.2 (Z)
 iS 37 23.2 (N)
 eP 04 22 59.3 (Z)
 iS 23 28.3 (N)
 eP 07 42 29.0 (Z)
 iS 46.1 (ZNE)
 eiP C 08 17 17.5 (Z)
 iS 34.9 (ZNE)
 eP 09 09 01.8 (Z)
 iS 18.9 (ZNE)
 iP 13 21 13.5 (Z)
 iS 43.5 (NE)
 eiP 14 01 53.4 (Z)
 iS 02 07.0 (Z)
 iP C 16 38 01.2 (Z)
 iS 16.5 (ZNE)
 eiP 17 56 15.6 (Z)
 eP 18 10 21.3 (Z)
 e(P) 20 05 43.6 (Z)
 e 06 46.1 (Z)
 22 eiP 00 08 16.5 (Z)
 i 19.8 (Z)
 eP 02 29 20.0 (Z)
 iS 49.0 (ZNE)
 eP 02 38 58.6 (Z)
 iS 40 24.0 (ZNE)
 eP 03 20 58.6 (Z)
 iS 21 16.1 (ZNE)
 eP 07 02 05.5 (Z)
 i(S) 03 09.4 (N)
 iS 10.5 (ZNE)
 eP 08 14 25.1 (Z)
 iS 15 05.0 (ZNE)
 iP D 09 39 52.5 (Z)
 i 40 46.9 (Z)
 eP 09 50 43.5 (Z)
 iP C 16 37 04.0 (Z)
 iS 17.5 (NE)
 eiP 19 06 58.7 (Z)
 iS 07 35.0 (ZNE)
 iP C 20 38 43.2 (Z)
 iS 39 10.5 (Z)
 eP 22 03 09.5 (Z)
 23 iP C 00 32 18.2 (Z)
 i 25.5 (Z)
 i(S) 32.0 (ZNE)
 i(S) 54.3 (ZNE)
 eP 02 38 15.0 (Z)
 eS 39 46.0 (E)
 eP 06 31 39.0 (Z)
 eP 10 12 21.6 (Z)
 i 54.5 (Z)
 iP D 12 02 38.9 (Z)
 iS 54.2 (ZNE)
 eP 13 20 29.7 (Z)

T:01.0 A:02.6
 T:01.0 A:04.8

T:01.1 A:03.0

23 iP C 22 39 01.9 (Z)
 iS 40 46.8 (Z)
 iP C 23 17 03.0 (Z)
 iS 18 46.0 (ZNE)
 iP C 23 25 08.9 (Z)
 e 27 42.0 (Z)
 24 eP 02 59 52.0 (Z)
 eP 05 42 44.8 (Z)
 iS 43 49.5 (E)
 eP 06 43 43.5 (Z)
 e 44 37.8 (Z)
 e 46 03.4 (Z)
 eiP C 08 10 11.5 (Z)
 iS 26.0 (NE)
 eP 09 56 17.9 (Z)
 eP 12 32 17.0 (Z)
 iP C 13 37 33.5 (Z)
 i(S) 38 33.5 (ZNE)
 iS 38.2 (ZNE)
 iP 15 02 25.7 (Z)
 iS 31.0 (Z)
 iP C 16 34 00.0 (Z)
 iS 18.6 (ZNE)
 eP 18 25 11.8 (Z)
 e(P) 18 40 32.3 (Z)
 iP D 19 30 52.3 (Z)
 iS 32 22.4 (ZNE)
 e(P) 20 23 10.0 (Z)
 iP C 20 39 02.5 (Z)
 iS 50.5 (NE)
 eP 22 40 31.5 (Z)
 i 42 36.5 (Z)
 25 eiP C 00 31 57.8 (Z)
 iP 01 00 19.3 (Z)
 eiP 01 39 34.5 (Z)
 iS 40 02.7 (Z)
 iP D 01 47 19.3 (Z)
 iS 36.4 (E)
 eP 03 10 49.4 (Z)
 iS 11 05.0 (ZE)
 e(P) 03 27 21.5 (Z)
 iP C 03 41 53.9 (Z)
 iS 42 23.9 (E)
 eP 05 24 26.3 (Z)
 iS 49.5 (E)
 eP 11 29 09.7 (Z)
 eiP D 13 43 34.8 (Z)
 iP D 15 06 52.6 (Z)
 iS 07 06.3 (ZNE)
 eiP C 21 21 19.5 (Z)
 iS 47.5 (ZNE)
 iP 21 55 50.0 (Z)
 iS 56 07.2 (ZNE)

T:01.1 A:04.0

26 eP 01 50 26.0 (Z)
 iS 51 02.5 (N)
 iP C 02 17 17.4 (Z)
 iS 31.7 (N)
 e(P) 02 54 20.0 (Z)
 iP D 02 55 21.5 (Z)
 iS 37.5 (NE)
 eP 07 51 04.5 (Z)
 iS 48.0 (ZNE)
 eP 09 21 56.5 (Z)
 iS 22 51.2 (N)
 eiP 12 20 44.8 (Z)
 eiP 14 03 28.8 (Z)
 iS 04 19.5 (NE)
 eiP 15 45 04.2 (Z)
 iS 17.8 (ZNE)
 eiP C 16 34 47.4 (Z)
 iS 35 19.4 (ZE)
 iP C 17 25 14.4 (Z)
 iS 43.7 (ZE)
 e(P) 18 49 25.0 (Z)
 e 50 13.0 (Z)
 e 51 49.0 (Z)
 e 52 12.5 (Z)
 iP D 20 41 34.5 (Z)
 iS 42 57.2 (Z)
 27 iP D 03 05 00.7 (Z)
 iS 15.4 (E)
 eiP 04 17 00.2 (Z)
 iS 53.6 (ZN)
 iP D 05 19 25.0 (Z)
 i 56.8 (Z)
 i 20 56.5 (Z)
 i 22 01.4 (Z)
 e(P) 05 25 32.0 (Z)
 eP 05 38 02.5 (Z)
 iS 41.6 (NE)
 eP 07 28 41.9 (Z)
 eP 08 00 09.5 (Z)
 iS 24.2 (ZNE)
 eP 08 22 13.5 (Z)
 i 44.4 (Z)
 eP 11 22 33.0 (Z)
 e 24 08.9 (Z)
 e 25 03.2 (Z)
 iP D 14 05 28.2 (Z)
 i 47.3 (Z)
 iP C 16 34 42.3 (Z)
 iS 35 00.0 (E)
 iP C 19 20 35.5 (Z)
 iS 45.8 (ZNE)
 eiP 19 30 47.3 (Z)
 iS 31 49.0 (ZE)
 iP 20 18 19.4 (Z)
 iS 34.7 (ZNE)

T:01.0 A:08.0

T:01.0 A:09.0

28 eiP D 03 59 43.8 (Z)
 iS 04 00 38.7 (ZNE)
 eP 04 57 10.7 (Z)
 iS 58 21.6 (N)
 eiP 10 27 41.8 (Z)
 eP 11 00 09.5 (Z)
 iS 26.5 (ZNE)
 eP 13 32 49.5 (Z)
 i(S) 34 39.0 (ZN)
 eiP 17 11 05.2 (Z)
 iS 22.5 (ZNE)
 iP D 17 14 03.7 (Z)
 iS 15 06.7 (N)
 eP 17 39 14.5 (Z)
 iS 47.5 (ZNE)
 iP C 19 10 38.7 (Z)
 iS 58.2 (Z)
 iP C 20 16 20.2 (Z)
 iS 34.0 (ZNE)
 eP 21 02 25.0 (Z)
 e(P) 21 07 10.0 (Z)
 i 12 07.0 (Z)
 eiP 22 21 03.2 (Z)
 iS 49.0 (NE)
 29 eP 00 15 35.0 (Z)
 iP C 01 59 53.8 (Z)
 i 02 00 21.5 (Z)
 i(S) 03 13.0 (Z)
 iP C 02 12 54.3 (Z)
 iS 59.0 (ZNE)
 iP 03 21 38.6 (Z)
 iS 54.6 (ZNE)
 eiP 04 03 53.8 (Z)
 i 59.5 (Z)
 i(S) 05 10.7 (ZNE)
 i(S) 22.2 (ZNE)
 eP 04 47 29.0 (Z)
 eP 06 44 52.5 (Z)
 iS 46 16.5 (Z)
 eP 09 47 21.2 (Z)
 i 32.0 (Z)
 eP 09 55 22.8 (Z)
 eP 10 39 43.0 (Z)
 eP 12 27 23.5 (Z)
 iP 16 37 10.2 (Z)
 iS 25.6 (ZNE)
 iP C 22 56 03.9 (Z)
 eiP 23 13 16.8 (Z)
 30 eP 00 03 10.2 (Z)
 eP 02 15 01.0 (Z)
 iS 43.0 (E)
 eP 03 29 54.8 (Z)
 iS 30 52.8 (E)

T:01.0 A:02.5

T:01.0 A:23.0

30	eP		06 38 55.0 (Z)
	eP		07 33 14.5 (Z)
	iS		28.2 (ZNE)
	eP		07 39 59.2 (Z)
	iS		40 13.3 (ZNE)
	eP		11 56 34.0 (Z)
	iP	D	19 17 05.3 (Z)
	iS		12.8 (NE)
31	eiP		02 34 07.0 (Z)
	iS		22.0 (ZNE)
	e(P)		08 58 02.8 (Z)
	e		15.7 (Z)
	eiP	C	11 07 00.0 (Z)
	i		10.8 (Z)
	i		10 27.0 (Z)
	iP		13 50 34.5 (Z)
	iS		49.2 (Z)
	eP		18 45 01.0 (Z)
	iS		46 05.0 (ZNE)
	eiP		21 52 21.5 (Z)
	e		35.0 (Z)
	eP		22 26 55.9 (Z)
	iS		27 46.0 (N)

Universidad Nacional de San Agustín
 Instituto Geofísico
 Sección de Sismología
 Casilla 23
 Arequipa, Perú

C: compresión

D: dilatación

Arequipa, Setiembre 8 de 1968

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z', N', E').- Amplificación: 1,500

SETIEMBRE, 1968

1 e(P)	02 25 26.6 (Z)	iP	C 16 35 55.5 (Z)	
eP	04 57 35.1 (Z)	iS	36 10.7 (Z)	
eiP	06 50 11.7 (Z)	iP	C 16 50 29.5 (Z)	
iS	55.0 (ZNE)	eiP	19 57 16.3 (Z)	
e(P)	07 46 46.0 (Z)	iS	58 12.0 (NE)	
iP	C 48.5 (Z)	e(P)	20 59 02.3 (Z)	
i	59.7 (Z)	4 iP	D 00 57 05.5 (Z)	T:1.0 A:04.0
e	50 13.9 (Z)	eiP	C 04 19 39.8 (Z)	
eiP	08 28 38.8 (Z)	e	20 26.3 (Z)	
eP	08 30 22.3 (Z)	eP	08 53 43.0 (Z)	
eS	31 18.6 (ZNE)	e(P)	09 27 58.0 (Z)	
eiP	08 32 07.9 (Z)	eP	09 35 47.0 (Z)	
e	59.6 (Z)	iP	11 12 28.0 (Z)	
eiP	D 08 40 43.0 (Z)	iS	55.7 (Z)	
iS	41 40.0 (N)	iP	C 16 35 49.0 (Z)	
iP	C 21 58 23.5 (Z)	iS	36 04.2 (Z)	
eS	51.4 (Z)	iP	C 20 18 28.3 (Z)	
2 eiP	01 45 30.0 (Z)	iS	43.5 (Z)	
iS	48.3 (ZE)	5 eiP	00 50 09.1 (Z)	
eP	02 42 16.5 (Z)	iS	33.2 (NE)	
iP	D 07 03 27.0 (Z)	iP	D 02 28 34.0 (Z)	
iS	57.1 (E)	iS	59.0 (ZNE)	
eP	09 31 03.5 (Z)	iP	C 02 49 05.5 (Z)	T:0.8 A:03.5
e	41.0 (Z)	i	50 01.3 (Z)	
e(P)	12 30 09.0 (Z)	eP	03 30 36.0 (Z)	
iP	C 16 37 28.2 (Z)	eS	31 04.9 (E)	
iS	44.2 (NE)	eiP	07 31 34.0 (Z)	
iP	C 22 44 21.7 (Z)	iS	32 02.0 (ZE)	
iS	26.7 (ZNE)	e(P)	07 48 40.5 (Z)	
iP	C 23 07 08.4 (Z)	eP	10 24 02.5 (Z)	
e	08 48.5 (Z)	e	30.0 (Z)	
3 eP	04 08 38.2 (Z)	iP	C 11 53 37.3 (Z)	
eiP	05 11 21.1 (Z)	iS	54 04.6 (Z)	
iS	36.9 (ZNE)	iP	C 14 05 58.1 (Z)	
eP	06 58 25.0 (Z)	iS	07 02.2 (N)	
iS	51.2 (N)	iP	C 16 19 31.2 (Z)	
eP	07 21 03.5 (Z)	iS	20 00.7 (NE)	
e	27.4 (Z)	iP	C 16 33 29.1 (Z)	
eP	08 39 38.0 (Z)	iS	44.6 (ZN)	
e(P)	09 30 14.7 (Z)	eiP	17 57 41.1 (Z)	
iP	C 14 43 07.3 (Z)	iS	58 11.8 (N)	
iS	24.5 (ZNE)	eiP	22 32 50.7 (Z)	
eiP	D 15 44 18.1 (Z)	iS	33 46.6 (NE)	
i	30.5 (Z)			

6 eP 00 10 25.0 (Z)
 eS 11 50.3 (NE)
 eP 02 31 54.0 (Z)
 iS 32 23.0 (NE)
 eP 02 52 52.0 (Z)
 i 53 50.0 (N)
 iS 54 03.8 (NE)
 eP 05 42 42.0 (Z)
 eS 59.2 (ZNE)
 eP 06 55 16.0 (Z)
 eiP D 07 52 54.3 (Z)
 i 56.8 (Z)
 i 53 21.1 (E)
 i 55 42.9 (NE)
 e 56 06.5 (N)
 eP 10 01 52.5 (Z)
 iP C 14 11 02.4 (Z)
 iP 16 59 03.0 (Z)
 iS 33.1 (NE)
 iP C 17 29 04.6 (Z)
 iS 32.1 (NE)
 iP C 19 42 48.0 (Z)
 iP D 23 13 08.6 (Z)
 iS 14.6 (ZNE)
 eP 23 40 04.6 (Z)
 i 41 08.0 (N)
 eS 15.1 (ZN)
 7 iP D 02 51 17.0 (Z)
 iS 46.6 (ZNE)
 eP 03 47 49.5 (Z)
 iS 48 08.2 (ZNE)
 iP C 04 46 07.1 (Z)
 iS 38.3 (N)
 eP 05 09 53.0 (Z)
 iS 10 49.9 (NE)
 iP C 07 24 45.7 (Z)
 iS 26 01.1 (NE)
 eP 08 18 33.5 (Z)
 iS 53.0 (Z)
 eP 09 54 52.7 (Z)
 eP 10 17 45.8 (Z)
 iP C 16 01 33.1 (Z)
 iP C 17 12 29.5 (Z)
 iS 51.8 (ZNE)
 eP 17 44 48.4 (Z)
 i 45 03.1 (Z)
 i 46 07.1 (Z)
 e 48 04.8 (Z)
 e 49 35.6 (Z)
 iP 19 55 51.1 (Z)
 iS 56 08.1 (ZNE)
 iP D 20 19 42.9 (Z)
 iS 54.4 (ZNE)
 8 iP C 00 07 25.6 (Z)
 iS 53.9 (ZE)

T:01.2 A:06.0

T:01.0 A:11.0

iP 06 51 35.2 (Z)
 iS 52 24.6 (N)
 eP 08 29 21.9 (Z)
 iS 41.8 (ZNE)
 eP 11 36 27.5 (Z)
 iS 37 27.9 (NE)
 iP D 13 03 30.5 (Z)
 iS 47.9 (ZNE)
 eiP C 13 13 44.0 (Z)
 eP 15 31 46.6 (Z)
 i 52.9 (Z)
 iP C 18 20 06.5 (Z)
 iS 21 12.1 (N)
 iP C 18 26 20.6 (Z)
 iS 27 03.4 (ZNE)
 eiP D 20 04 29.4 (Z)
 e 55.1 (Z)
 iP D 21 27 04.4 (Z)
 iS 55.0 (Z)
 iP 21 44 54.4 (Z)
 iS 45 49.3 (Z)
 9 eiP 00 11 50.2 (Z)
 iS 12 19.1 (NE)
 iP C 00 18 29.1 (Z)
 i 39.3 (Z)
 eiP C 00 37 16.4 (Z)
 i 51.5 (Z)
 i(S) 39 52.7 (N)
 i(S) 40 04.9 (E)
 eiP D 05 48 14.0 (Z)
 iS 36.7 (ZNE)
 eP 06 05 43.5 (Z)
 i(P) C 06 57 28.5 (Z)
 iS 58 39.5 (N)
 eP 07 06 17.6 (Z)
 iS 58.5 (E)
 iP C 08 23 06.4 (Z)
 iS 46.8 (NE)
 iP D 09 29 04.3 (Z)
 iS 18.0 (ZNE)
 eP 20 01 27.8 (Z)
 iP D 22 52 38.9 (Z)
 iS 57.0 (NE)
 e(P) 23 56 33.3 (Z)
 10 eP 00 42 37.0 (Z)
 iS 43 40.0 (E)
 iP C 01 07 25.9 (Z)
 iS 38.5 (E)
 eP 05 26 46.3 (Z)
 iS 28 05.2 (NE)
 eP 05 02 16.0 (Z)
 iS 31.8 (ZNE)
 iP D 08 06 23.0 (Z)
 iS 46.4 (Z)

T:01.0 A:04.0

10 iP C 09 12 00.0 (Z)
 eP 09 20 14.0 (Z)
 iP C 12 01 37.9 (Z)
 iS 02 20.7 (E)
 iP C 16 36 09.2 (Z)
 i(S) 27.0 (E)
 iP C 17 52 31.0 (Z)
 iS 56.0 (E)
 11 iP D 07 02 47.3 (Z)
 iS 51.2 (ZNE)
 eP 08 17 39.6 (Z)
 iS 18 10.4 (N)
 eiP 10 16 13.2 (Z)
 iS 28.7 (ZNE)
 eiP 12 40 53.1 (Z)
 i(S) 41 19.1 (Z)
 iP D 14 02 57.8 (Z)
 iS 03 01.9 (ZNE)
 i(P) 14 24 32.4 (Z)
 iS 39.2 (Z)
 iP C 18 32 14.9 (Z)
 i 31.9 (Z)
 i 33 19.5 (Z)
 eiP 20 28 32.5 (Z)
 i 37.0 (Z)
 iP D 20 58 09.5 (Z)
 iS 13.9 (ZNE)
 iP D 21 06 55.8 (Z)
 iS 07 00.0 (Z)
 12 iP D 01 55 28.5 (Z)
 iS 56 35.7 (ZN)
 iP C 02 01 55.6 (Z)
 iP C 06 24 27.3 (Z)
 iS 55.8 (NE)
 eP 09 54 07.0 (Z)
 i 18.0 (Z)
 iP 15 59 08.5 (Z)
 iS 20.9 (Z)
 iP D 17 27 18.9 (Z)
 iS 24.5 (ZNE)
 eiP D 18 39 04.2 (Z)
 iS 19.0 (ZNE)
 iP C 20 25 17.0 (Z)
 iS 32.1 (Z)
 iP C 23 13 05.5 (Z)
 i 34.3 (Z)
 13 iP D 04 27 36.9 (Z)
 i 41.0 (Z)
 iS 42.2 (ZNE)
 eP 04 58 47.0 (Z)
 eS 59 19.8 (ZNE)
 iP D 05 18 08.8 (Z)
 iS 43.0 (ZNE)
 eiP D 05 23 17.1 (Z)
 iS 51.3 (ZNE)

T:01.0 A:05.0

T:01.0 A:06.8 15

iP D 05 59 42.8 (Z)
 iS 58.7 (ZNE)
 eP 06 13 03.3 (Z)
 eiP 06 55 33.7 (Z) T:01.0 A:02.8
 iP D 09 40 43.4 (Z)
 eS 41 17.0 (Z)
 iP 09 48 59.3 (Z)
 iP C 11 30 38.0 (Z)
 iS 43.1 (ZNE)
 iP C 11 41 37.5 (Z)
 iS 42 07.0 (ZNE)
 eiP D 14 51 45.5 (Z)
 iS 52 16.1 (Z)
 iP C 20 24 20.8 (Z)
 e(S) 34.3 (NE)
 eP 20 47 49.9 (Z)
 eP 21 09 54.0 (Z)
 eP 22 12 21.8 (Z)
 iS 49.9 (NE)
 14 iP C 00 54 02.5 (Z)
 iS 55 03.0 (NE)
 eiP 03 07 10.7 (Z)
 iS 08 08.1 (NE)
 eP 05 00 18.5 (Z)
 eS 38.5 (ZNE)
 eP 06 07 50.5 (Z)
 eS 09 01.0 (E)
 eiP D 07 16 03.7 (Z)
 e 34.5 (Z)
 eiP 09 20 04.4 (Z)
 iS 58.0 (NE)
 eiP 09 23 50.0 (Z)
 iS 24 15.5 (NE)
 eiP 09 46 05.8 (Z)
 iP C 10 54 53.6 (Z)
 iS 55 37.1 (ZN)
 iP C 13 46 53.7 (Z)
 iS 47 07.7 (ZNE)
 eP 14 07 37.5 (Z)
 eP 14 52 24.0 (Z)
 iS 53 17.5 (E)
 iP 18 53 51.5 (Z)
 iS 54 16.6 (Z)
 iP D 00 50 14.5 (Z)
 i 29.3 (N)
 iP C 01 38 28.9 (Z)
 i 39 00.7 (Z)
 eiP C 03 09 36.6 (Z)
 i 53.5 (Z)
 i(S) 10 56.8 (E)
 iS 11 30.0 (E)
 eP 05 45 33.3 (Z)
 iS 52.7 (ZNE)
 eP 07 29 27.8 (Z)

15 eP 09 30 07.0 (Z)
 iS 58.7 (E)
 iP C 10 15 06.8 (Z)
 iS 53.0 (Z)
 eP 11 09 40.0 (Z)
 iP C 12 19 03.0 (Z)
 eiP 17 14 02.3 (Z)
 iS 21.0 (ZNE)
 iP C 17 30 14.6 (Z)
 i 20.1 (Z)
 i 31 27.6 (E)
 iS 29.5 (NE)
 eP 17 34 15.6 (Z)
 iP C 18 21 43.6 (Z)
 iS 51.0 (ZN)
 eiP 19 49 28.8 (Z)
 iS 50 26.6 (NE)
 iP C 21 52 00.3 (Z)
 iS 27.6 (NE)
 16 eiP C 00 59 05.6 (Z)
 iP D 01 10 43.6 (Z)
 iS 11 01.9 (ZNE)
 eP 02 01 19.0 (Z)
 iS 23.7 (ZNE)
 eP 02 16 15.3 (Z)
 iS 30.9 (NE)
 eP 05 00 27.0 (Z)
 iS 32.1 (ZNE)
 eP 05 46 12.2 (Z)
 iS 17.0 (ZNE)
 eP 06 28 47.8 (Z)
 iS 30 04.5 (E)
 eP 07 13 18.5 (Z)
 iP C 09 21 46.0 (Z)
 iS 22 14.8 (Z)
 iP D 14 14 37.0 (Z)
 iS 52.0 (Z)
 i 18 50.9 (Z)
 e 23 33.0 (Z)
 e 26 23.5 (Z)
 eP 16 19 52.0 (Z)
 i 20 06.8 (Z)
 eP 16 23 26.5 (Z)
 iP D 16 38 54.5 (Z)
 iS 39 17.4 (Z)
 iP 16 40 50.0 (Z)
 iS 41 05.7 (Z)
 17 iP C 07 54 00.5 (Z)
 iS 23.8 (NE)
 iP D 09 53 24.4 (Z)
 iS 44.6 (Z)
 eP 10 01 37.0 (Z)
 iP D 10 16 31.4 (Z)
 iS 45.7 (N)

eiP 11 05 10.4 (Z)
 iS 44.0 (N)
 eiP 16 09 41.9 (Z)
 iS 10 37.2 (N)
 iP D 21 51 12.1 (Z)
 iS 52 16.4 (Z)
 18 eiP 02 59 16.8 (Z)
 iS 46.5 (NE)
 e(P) 03 49 21.5 (Z)
 eP 04 25 43.8 (Z)
 i 28 12.7 (Z)
 iP D 05 11 47.8 (Z)
 iS 12 14.5 (ZN)
 eP 06 02 35.0 (Z)
 iS 03 59.4 (N)
 iP D 06 43 35.9 (Z)
 iS 52.2 (ZNE)
 eP 06 56 10.2 (Z)
 iS 57 07.6 (E)
 eP 09 13 38.1 (Z)
 eS 14 05.7 (E)
 eP 09 46 23.5 (Z)
 eiP D 12 50 52.3 (Z)
 iS 51 07.9 (ZNE)
 iP C 16 35 55.6 (Z)
 iS 36 11.5 (N)
 iP D 17 44 45.6 (Z)
 iS 57.1 (ZE)
 iP C 20 23 28.2 (Z)
 iS 43.5 (Z)
 iP C 21 03 21.9 (Z)
 iS 38.1 (N)
 19 iP C 02 48 34.6 (Z)
 iS 57.8 (N)
 iP C 02 58 47.0 (Z)
 iS 59 00.7 (N)
 iP D 03 03 39.4 (Z)
 iS 44.5 (ZNE)
 eP 03 27 25.0 (Z)
 e 28 25.3 (Z)
 eP 04 39 24.5 (Z)
 iS 40 08.4 (E)
 eP 06 23 50.0 (Z)
 iS 24 56.8 (ZNE)
 eiP 08 00 48.7 (Z)
 eP 08 57 48.0 (Z)
 i 58 44.1 (Z)
 i(S) 09 01 31.0 (E)
 eP 09 35 24.5 (Z)
 iS 36 11.7 (N)
 eP 09 53 02.5 (Z)
 i 17.4 (Z)
 iP C 14 22 14.1 (Z)
 iS 42.5 (N)

T:0.8 A:05.0

T:01.0 A:08.5

19 iP 14 30 19.5 (Z)
 iS 38.6 (Z)
 iP C 16 37 44.9 (Z)
 iS 38 00.0 (ZNE)
 iP 17 59 37.8 (Z)
 iS 18 00 04.6 (E)
 iP C 21 53 00.1 (Z)
 iS 20.1 (Z)
 20 eP 01 17 28.7 (Z)
 i 34.1 (Z)
 eiP D 06 05 47.8 (Z)
 i 55.2 (Z)
 i 12 22.0 (Z)
 i 32.2 (ZNE)
 i 13 20.5 (NE)
 i(S) 14 33.0 (NE)
 i 59.5 (E)
 i 15 15.5 (N)
 eP 06 34 37.0 (Z)
 iP C 06 38 08.9 (Z)
 iP D 08 28 43.1 (Z)
 iS 29 02.0 (ZNE)
 iP 10 00 14.6 (Z)
 iS 30.5 (ZNE)
 iP 10 08 03.0 (Z)
 iS 08.1 (ZNE)
 eP 11 08 07.7 (Z)
 iP D 14 16 23.5 (Z)
 iS 17 46.0 (ZNE)
 eP 16 41 34.5 (Z)
 i 42 07.0 (Z)
 e 44 58.0 (Z)
 i 45 12.5 (E)
 iP C 19 07 55.8 (Z)
 iS 08 28.5 (ZNE)
 e(P) 22 45 12.5 (Z)
 21 eiP 01 55 03.0 (Z)
 eP 06 24 41.0 (Z)
 eS 25 32.0 (ZNE)
 eP 10 13 17.0 (Z)
 eP 13 25 24.5 (Z)
 eP 28 50.5 (Z)
 eiP D 14 45 55.0 (Z)
 eP 15 05 01.0 (Z)
 22 iP C 02 13 10.8 (Z)
 iS 32.8 (ZNE)
 iP C 03 06 42.0 (Z)
 eP 05 27 33.5 (Z)
 iS 47.5 (ZNE)
 eP 06 39 50.0 (Z)
 iS 40 13.7 (ZNE)
 iP D 06 48 08.2 (Z)
 eS 16.5 (N)
 iP D 07 10 09.0 (Z)
 iS 25.6 (ZNE)

T:01.0 A:02.8

eP 08 25 49.0 (Z)
 i 26 36.5 (ZNE)
 eP 12 59 42.5 (Z)
 eiP D 21 54 58.0 (Z)
 i(S) 56 30.4 (Z)
 eiP 23 11 00.6 (Z)
 iS 30.6 (ZNE)
 23 iP C 01 31 06.5 (Z)
 iS 17.5 (ZNE)
 iP C 02 04 08.1 (Z)
 iS 25.9 (NE)
 eP 02 26 44.3 (Z)
 iS 28 19.2 (ZNE)
 eP 02 52 27.5 (Z)
 iS 58.9 (N)
 eP 03 20 55.2 (Z)
 eP 03 57 10.8 (Z)
 iS 58 46.0 (ZNE)
 eP 04 36 11.9 (Z)
 iS 15.4 (ZN)
 eiP D 04 39 02.5 (Z)
 iS 18.0 (ZE)
 eP 05 23 28.0 (Z)
 iP C 05 40 06.9 (Z)
 iS 25.2 (ZNE)
 eP 07 54 21.2 (Z)
 iS 55 54.4 (NE)
 iP 08 01 34.2 (Z)
 iS 02 18.3 (E)
 iP D 08 19 32.5 (Z)
 i 39.0 (Z)
 i(S) 20 28.0 (E)
 i(S) 46.4 (Z)
 eP 09 02 24.5 (Z)
 iP C 10 28 05.1 (Z)
 iS 59.5 (Z)
 iP D 14 09 45.5 (Z)
 iS 56.5 (ZNE)
 iP C 16 37 23.9 (Z)
 iS 37.5 (N)
 24 iP D 01 44 45.1 (Z)
 i 49.4 (N)
 i 45 05.0 (E)
 iS 43.0 (ZNE)
 eP 03 28 16.2 (Z)
 eS 29 11.0 (ZNE)
 eiP D 04 35 50.8 (Z)
 eP 04 38 41.0 (Z)
 eP 05 13 31.0 (Z)
 eS 50.0 (ZNE)
 eP 05 40 55.0 (Z)
 iP C 06 11 17.7 (Z)
 eS 12 30.8 (ZNE)
 eP 07 49 30.0 (Z)

T:0.8 A:03.9

24 iP D 13 00 35.7 (Z)
 iS 48.2 (NE)
 iP D 17 37 23.2 (Z)
 iS 30.5 (ZNE)
 iP C 18 37 21.8 (Z)
 iS 51.0 (ZNE)
 eP 18 56 45.0 (Z)
 eS 57 32.0 (E)
 25 iP C 00 47 39.4 (Z)
 iS 49.7 (NE)
 eP 02 41 01.9 (Z)
 eP 02 43 40.5 (Z)
 eP 06 24 09.0 (Z)
 e 32.0 (Z)
 eiP D 06 34 15.3 (Z)
 iS 35 08.6 (NE)
 eiP 07 07 34.8 (Z)
 eiP C 07 09 39.7 (Z)
 eP 07 16 32.0 (Z)
 eiP 09 25 53.5 (Z)
 e 26 01.2 (Z)
 iP D 10 45 46.6 (Z)
 i 46 08.0 (Z)
 i 48 04.5 (Z)
 iP 13 15 46.8 (Z)
 iS 52.9 (ZNE)
 iP C 23 39 13.0 (Z)
 iS 43.0 (N)
 eP 23 52 15.0 (Z)
 26 eP 01 05 41.5 (Z)
 e(P) 01 08 50.3 (Z)
 eiP 03 32 54.5 (Z)
 iS 33 12.8 (E)
 eP 04 08 55.0 (Z)
 iS 09 01.9 (ZNE)
 eP 05 29 38.0 (Z)
 i 30 24.8 (N)
 iS 34.5 (NE)
 iP C 05 34 44.0 (Z)
 iS 48.5 (ZN)
 eP 06 10 50.5 (Z)
 iS 11 38.5 (ZN)
 eiP D 07 17 28.5 (Z)
 i 37.7 (Z)
 iS 18 13.8 (NE)
 eP 09 47 02.0 (Z)
 i(P) 14 50 57.5 (Z)
 iP D 15 20 23.5 (Z)
 iS 50.2 (E)
 iP C 16 59 48.0 (Z)
 iS 17 00 40.5 (ZNE)
 eP 18 16 14.0 (Z)
 iP C 18 30 46.5 (Z)
 iS 31 33.5 (ZE)

iP D 20 19 34.2 (Z)
 iS 52.1 (E)
 27 eiP 22 04 15.5 (Z)
 iS 49.9 (N)
 eiP C 04 18 27.0 (Z)
 i 31.2 (Z)
 i 19 19.7 (Z)
 e 28 21.2 (Z)
 eP 07 33 46.3 (Z)
 iS 35 20.0 (NE)
 eP 09 18 24.7 (Z)
 e 48.0 (Z)
 e(P) 10 22 09.3 (Z)
 eP 10 41 00.2 (Z)
 i(S) 43 24.3 (E)
 i(S) 44 06.0 (Z)
 eP 10 58 00.5 (Z)
 e 11 01 07.0 (Z)
 iP C 16 33 09.1 (Z)
 iS 25.6 (E)
 eP 18 12 00.1 (Z)
 iS 48.6 (E)
 eP 22 16 47.1 (Z)
 28 iP D 00 46 02.0 (Z)
 iS 48.5 (Z)
 eiP 07 58 26.0 (Z)
 iS 59 19.0 (N)
 iP C 13 54 39.7 (ZZ')
 iS 55 02.8 (N'E')
 iP D 15 47 19.5 (Z)
 iS 38.7 (N)
 eiP 15 59 25.9 (Z)
 iS 16 00 13.0 (Z)
 iP D 19 03 27.3 (Z)
 iS 57.0 (NE)
 eP 20 40 14.0 (Z)
 eiP 23 53 21.2 (Z)
 iS 40.2 (E)
 29 eiP 00 27 18.2 (Z)
 iS 47.2 (E)
 eP 01 13 42.7 (E)
 eP 01 15 23.5 (Z)
 iS 16 17.0 (E)
 eP 03 44 42.3 (Z)
 eP 04 02 20.1 (Z)
 eP 05 33 05.5 (Z)
 iP C 06 03 44.1 (Z)
 iS 05 10.4 (N)
 eP 06 22 54.0 (Z)
 iS 23 16.0 (ZE)
 iP C 13 15 30.0 (Z)
 iS 16 13.2 (N)
 iP C 13 19 18.8 (Z)
 iS 20 06.2 (E)
 eiP 13 47 15.8 (Z)

T:01.0 A:15.5

29 iP C 13 55 06.4 (Z)
 iS 10.8 (ZNE)
 iP C 17 19 17.7 (Z)
 eP 20 01 19.5 (Z)
 iP D 20 21 22.0 (Z)
 iS 22 03.8 (Z)
 eiP 22 16 51.1 (Z)
 iS 18 21.1 (ZNE)
 eiP 22 42 34.8 (Z)
 iS 43 06.5 (N)

30 iP D 00 14 39.0 (Z)
 iS 46.0 (ZNE)
 iP C 00 38 26.5 (Z)
 iS 39 09.5 (E)
 iP D 01 45 00.5 (Z)
 iS 44.3 (N)
 eiP 02 31 00.4 (Z)
 iS 49.0 (E)
 eP 02 53 39.0 (Z)
 iP C 03 45 08.4 (Z)
 iS 11.1 (ZNE)
 eP 06 03 03.7 (Z)
 iS 04 09.1 (N)
 eP 06 18 31.3 (Z)
 eP 07 20 42.8 (Z)
 e 21 54.9 (Z)
 iP D 12 56 42.5 (Z)
 iS 57 06.9 (ZNE)
 iP C 13 37 46.2 (Z)
 iS 38 11.1 (ZEE')
 eP 14 35 48.0 (Z)
 i 36 08.3 (Z) T:01.1 A:04.0
 iP C 16 41 25.7 (Z)
 iS 41.5 (ZNE)
 iP C 17 26 08.0 (Z)
 iS 26.7 (ZNE)
 eiP 23 56 10.0 (Z)
 iS 35.6 (NE)

 Universidad Nacional de San Agustín
 Instituto Geofísico
 Sección de Sismología
 Casilla 23
 Arequipa, Perú

C: compresión

D: dilatación

Arequipa, Octubre 8 de 1968

20 JAN 1970

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación : Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Período Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E').- Amplificación: 1,500

OCTUBRE, 1968

1	iP	D 00 35	24.4 (Z)		eP	09 43	17.5 (Z)
	iS		29.4 (ZNE)		iS		36.0 (ZNE)
	iP	C 03 49	44.1 (Z)		iP	C 17 24	59.1 (Z)
	iS		48.5 (ZNE)		iS		25 14.8 (ZNE)
	eP	04 58	12.0 (Z)		iP	C 19 14	10.4 (Z)
	iP	D 05 13	18.7 (Z)		iS		46.7 (NE)
	iS		23.8 (ZNE)		eiP	22 28	29.8 (Z)
	eP	05 32	09.8 (Z)		iS		29 10.5 (N)
	iS		59.6 (NE)		iP	D 22 42	49.6 (Z)
	eiP	05 38	02.5 (Z)		iS		43 08.6 (ZE)
	e(P)	05 38	30.9 (Z)		iP	C 23 02	06.1 (Z)
	iS	40 05	05.0 (E)		iS		28.4 (ZNE)
	eP	08 22	46.9 (Z)	04	eP	01 40	22.5 (Z)
	eP	08 25	38.0 (Z)		iS		41 37.5 (NE)
	e		52.7 (Z)		iP	D 04 23	12.5 (Z)
	e(P)	09 58	48.2 (Z)		iS		38.0 (NE)
	iP	C 12 40	42.1 (Z)		iP	C 05 58	05.1 (Z)
	iS	41 00	06.6 (ZNE)		eS		30.5 (NE)
	iP	D 14 49	28.1 (Z)		eiP	06 13	35.5 (Z)
	iS	50 10	04.4 (ZNE)		i		37.2 (Z)
	iP	C 16 38	56.0 (Z)		ipP	14 04	04.5 (Z)
	iS	39 09	08.8 (N)		eScP	18 31	5.0 (ZZ')
	iP	C 18 12	01.5 (Z)		iS	20 48	0.0 (N'E')
	iS		18.5 (ZNE)		i(sS)	21 22	0.0 (NN')
					eSSS	26 44	0.0 (N'E')
					e	28 56	0.0 (Z')
2	iP	D 00 26	06.9 (Z)		ePkP	07 10	32.9 (Z)
	iS		24.0 (NE)		i		35.0 (Z)
	eP	04 15	28.0 (Z)		ePkP	07 47	09.5 (Z)
	iS		42.2 (ZNE)		eP	13 13	48.5 (Z)
	eP	06 06	44.8 (Z)		eS	14 11	0.0 (ZNE)
	iS		57.3 (NE)		iP	C 16 42	29.7 (Z)
	eP	07 02	38.2 (Z)		iS		45.0 (ZNE)
	eP	07 28	43.0 (Z)		iP	D 18 06	27.9 (Z)
	iP	D 09 28	50.9 (Z)		iS		41.5 (ZNE)
3	eP	0 01 11	10.0 (Z)		eP	23 03	10.5 (Z)
	eiP	04 06	51.2 (Z)		iS	04 22	5.0 (ZNE)
	iS	07 05	05.0 (ZNE)		eP	23 47	13.0 (Z)
	eP	06 00	06.5 (Z)	05	iP	C 00 52	45.9 (Z)
	iS		34.0 (NE)		i	53 30	5.0 (Z)
	eP	06 32	35.0 (Z)		iS		35.6 (ZNE)
	iS		46.0 (ZNE)		eP	04 14	39.5 (Z)
	iP	C 08 24	42.5 (Z)		e	21 50	0.0 (Z'N'E')
	i	25 17	6.0 (Z)	T:01.0 A:03.0	iP	D 05 55	29.8 (Z)
	e	27 24	7.0 (Z)		iS		45.5 (ZNE)
	iP	C 08 55	48.8 (Z)		iP	D 07 44	17.2 (Z)
	iS		54.1 (ZNE)		iS		32.3 (ZNE)

eP 08 45 07.5 (Z)
 eP 09 56 23.0 (Z)
 iP C 10 30 48.6 (Z)
 iS 31 02.0 (ZNE)
 eiP C 15 59 03.8 (Z)
 eS 41.2 (Z)
 iP C 16 36 52.5 (Z)
 eS 37 07.0 (NE)
 06 iP C 00 43 57.5 (Z)
 iS 44 02.1 (ZNE)
 iP C 00 44 45.2 (Z)
 i(S) 45 13.9 (N)
 eP 02 46 48.4 (Z)
 iS 47 55.1 (ZN)
 iP C 03 19 38.5 (Z)
 i(S) 52.2 (N)
 eP 03 27 38.5 (Z)
 iS 28 14.9 (Z)
 iP C 03 34 15.5 (Z)
 i(S) 28.4 (Z)
 eP 05 44 23.0 (Z)
 e(L) 06 00 48.0 (Z')
 eiP 06 45 43.4 (Z)
 iS 46 01.0 (N)
 e(P) 08 02 21.5 (Z)
 eP 09 17 43.0 (Z)
 iS 18 35.8 (N)
 iP C 10 48 45.7 (Z)
 iS 49 01.0 (ZNE)
 eiP 12 34 04.5 (Z)
 eS 22.2 (ZE)
 eP 17 58 31.5 (Z)
 iP C 18 00 30.7 (Z)
 iS 50.6 (NE)
 iP C 18 32 41.8 (Z)
 iS 33 01.5 (ZE)
 iP D 19 29 06.8 (Z)
 iS 19.7 (ZNE)
 ePkP 20 00 00.0 (Z)
 ipPkP 30.0 (Z)
 07 eiP 00 02 44.5 (Z)
 iP C 03 51 58.7 (Z)
 iS 52 11.7 (N)
 ePkP 04 50 02.5 (Z)
 iP C 05 31 37.4 (Z)
 iS 32 03.0 (NE)
 eiP 05 34 04.0 (Z)
 eP 07 17 33.7 (Z)
 iS 18 28.0 (Z)
 e(P) 09 21 49.5 (Z)
 iP D 10 00 59.0 (Z)
 iS 02 11.8 (E)

iP C 16 37 42.2 (Z)
 iS 38 03.7 (Z)
 eP 17 24 43.2 (Z)
 iS 25 23.2 (NE)
 iP D 19 10 42.1 (Z)
 eiPkP 19 39 07.5 (ZZ')
 ipPkP 41 04.9 (ZZ')
 i(PP) 43 07.7 (Z')
 i 48 54.1 (E')
 i 52 16.1 (E')
 i 20 02 03.3 (E')
 i 05 08.1 (E')
 i 18 50.1 (E')
 ePkP 21 08 35.6 (Z)
 iP C 22 52 58.1 (Z)
 08 iP C 01 10 16.2 (Z)
 i 36.7 (Z)
 eP 03 03 07.7 (Z)
 eS 34.3 (Z)
 eP 06 56 35.2 (Z)
 iS 51.0 (ZNE)
 eP 10 50 05.8 (Z)
 iS 51 13.5 (E)
 iP D 12 43 14.9 (Z)
 iS 52.4 (E)
 iP C 13 08 33.0 (Z)
 iS 50.4 (Z)
 iP C 14 55 31.4 (Z)
 iS 57 01.3 (N'E')
 eiP 16 33 33.8 (Z)
 iS 49.3 (ZNE)
 iP D 17 52 11.0 (Z)
 iS 26.3 (ZNE)
 iP C 23 36 13.5 (Z)
 iS 43.1 (E)
 09 eiP 00 56 34.5 (Z)
 iS 57 05.3 (ZNE)
 eP 08 22 35.0 (Z)
 iS 23 01.0 (NE)
 iP C 08 27 23.2 (Z)
 iS 39.0 (NE)
 eiP 09 17 12.5 (Z)
 i 56.5 (Z)
 eP 18 17 23.8 (Z)
 iP C 19 26 29.8 (Z)
 iS 54.1 (ZE)
 10 eP 04 00 49.3 (Z)
 eP 04 37 41.8 (Z)
 iS 38 34.8 (E)
 e(P) 08 54 30.0 (Z)
 e(S) 56 35.0 (E)
 iPkP C 15 24 50.6 (Z)
 i 25 05.5 (Z)
 e(pPkS) 28 37.6 (Z'N')
 e(L) 16 08 38.1 (Z'N')

T:01.0 A:03.5

iP C 16 35 45.1 (Z)
iS 36 00.6 (ZNE)
eP 17 15 17.1 (Z)
iP D 19 39 19.4 (Z)
iS 41.6 (ZNE)
iP D 20 27 57.1 (Z)
iS 28 11.1 (ZNE)
11 iP D 02 48 24.0 (Z)
iS 52.5 (ZNE)
eP 04 14 08.5 (Z)
eP 07 14 46.5 (Z)
iP C 07 51 43.4 (Z)
i(S) 58.0 (NE)
iP 07 51 56.5 (Z)
iS 53 05.5 (Z)
eP 08 19 22.4 (Z)
eP 14 20 14.0 (Z)
eS 21 58.0 (E)
iP C 16 41 54.5 (Z)
iS 42 08.6 (N)
eiP C 21 12 34.6 (Z)
iS 14 00.6 (ZNE)
12 eP 02 24 48.5 (Z)
epP 25 32.0 (Z)
eS 28 46.0 (Z)
eP 03 59 06.8 (Z)
e 04 02 39.3 (Z)
eP 04 10 54.0 (Z)
eP 04 45 16.7 (Z)
iS 46 49.2 (N)
eiP 07 29 05.7 (Z)
iP D 07 58 17.0 (z)
i 59 04.0 (Z)
iP C 13 54 44.0 (Z)
iS 55 54.5 (NE)
iP C 16 35 15.4 (Z)
iS 31.1 (E)
eP 17 22 45.1 (Z)
eP 18 09 17.8 (Z)
iS 41.9 (ZE)
eiP 19 26 06.2 (Z)
e 30 22.8 (Z)
iP D 20 35 35.1 (Z)
iS 36 05.1 (ZNE)
eiP 22 43 02.5 (Z)
iS 44 26.0 (NE)
eiP 23 42 43.1 (Z)
13 eiP 03 01 46.3 (Z)
iS 03 01.0 (N)
eP 03 30 06.3 (Z)
eP 03 46 28.0 (Z)
iP D 04 27 30.7 (Z)
iS 36.7 (NE)

T:01.0 A:15.0

eiP 05 25 27.7 (Z)
iP C 05 59 01.0 (Z)
iS 29.7 (ZNE)
eiP 08 39 54.2 (Z)
iS 40 09.8 (NE)
iP 08 58 08.5 (Z)
iS 12.2 (ZNE)
iP C 10 29 24.0 (Z)
iS 37.5 (Z)
eP 12 08 14.0 (Z)
i 16.7 (Z)
i 39.0 (Z)
iP C 13 23 06.9 (Z)
iS 26.4 (ZNE)
eP 17 16 08.1 (Z)
iS 40.0 (N)
eiP 19 05 34.0 (Z)
iS 06 10.6 (ZNE)
eP 20 22 27.1 (Z)
eP 21 36 10.9 (Z)
i 30.6 (Z)
i 37 07.3 (Z)
i 38 14.1 (N'E')
14 iP C 02 27 51.0 (Z)
iS 28 18.2 (Z)
iP 02 31 41.0 (Z)
iS 47.5 (N)
ePkP 03 18 06.7 (Z)
iPP 20 22.0 (Z'N')
iPkS 21 35.2 (Z)
iSS 38 12.0 (E')
e 54 20.0 (E')
e 04 01 28.0 (Z')
eiP 03 59 48.0 (Z)
iS 04 00 02.2 (ZNE)
iP D 05 43 58.0 (Z)
ePkP 07 47 12.5 (Z)
eP 15 07 46.9 (Z)
iS 08 42.0 (E)
iP 15 50 53.5 (Z)
iS 51 07.1 (Z)
iP 18 44 02.1 (Z)
iS 29.1 (ZNE)
iP C 19 18 19.1 (Z)
iS 24.4 (ZNE)
iP D 21 12 18.6 (Z)
iS 47.7 (ZNE)
iP D 23 13 44.1 (Z)
iS 58.2 (ZNE)
15 iP C 00 13 52.5 (Z)
i 15 17.0 (E)
i(S) 16 01.6 (E)
eP 00 19 05.5 (Z)
iP C 00 53 56.6 (Z)
iS 54 35.0 (ZNE)

T:01.0 A:12.0

T:01.0 A:03.0

eP	06 18 03.0 (Z)		eP	07 12 49.0 (Z)	
iP	D 06 44 34.0 (Z)		iP	C 07 42 09.8 (Z)	
iS	49.9 (ZNE)		iS	13.0 (ZNE)	
iP	07 24 17.2 (Z)		iP	D 15 21 08.1 (Z)	
iS	32.3 (ZNE)		iS	23.1 (ZNE)	
eP	08 10 05.0 (Z)		iP	C 16 34 14.2 (Z)	
eiP	08 38 56.0 (Z)		iS	29.1 (ZNE)	
i	40 03.7 (N)		iP	C 19 48 21.1 (Z)	
iS	28.4 (N)		iS	34.1 (ZNE)	
iP	08 57 52.8 (Z)		18 iP	D 02 48 04.3 (Z)	T:01.0 A:06.0
iS	57.0 (ZNE)		iP	C 03 06 38.7 (Z)	
eiP	13 37 44.4 (Z)		iP	C 05 44 25.4 (Z)	
iS	38 08.1 (ZNE)		iS	28.2 (E)	
iP	C 16 35 26.5 (Z)		eiP	09 12 55.5 (Z)	
iS	42.3 (N)		ePkP	11 41 22.5 (Z)	
iP	19 31 49.1 (Z)		iP	19 37 41.1 (Z)	
iS	32 01.8 (Z)		iS	57.0 (ZNE)	
eiP	20 12 52.7 (Z)		eP	20 03 00.6 (Z)	
iS	13 29.9 (E)		19 iP	00 55 39.5 (ZZ')	
iP	D 20 45 04.8 (Z)		iS	56 10.0 (Z'N'E')	
eS	24.2 (Z)		iP	06 54 33.1 (Z)	
iP	C 23 24 06.7 (Z)		iS	55 03.9 (NE)	
iS	33.5 (ZNE)		eiP	09 05 01.0 (Z)	
16 iP	C 00 29 24.5 (Z)	T:00.8 A:06.0	i	13.9 (Z)	T:01.0 A:04.0
i	32.1 (Z)		iP	C 10 01 33.5 (Z)	
eP	02 02 27.0 (Z)		iS	02 10.9 (ZNE)	
ePcP	04 57.0 (Z)		ePkP	10 11 37.8 (Z)	
eP	03 25 42.5 (Z)		e(P)	46 00.1 (Z)	
iS	26 47.0 (ZNE)		eiP	12 18 41.5 (Z)	
iP	D 06 03 47.0 (Z)		i	19 17.8 (Z)	
iS	09 00.6 (NE)		e(P)	37 17.7 (Z)	
iP	11 36 11.8 (Z)		i(P)	D 14 52 55.6 (Z)	
iS	37 03.0 (ZNE)		iS	54 19.6 (N)	
eiP	13 31 44.3 (Z)		eP	17 52 21.3 (Z)	
iS	32 16.0 (E)		iS	35.1 (Z)	
eP	15 17 56.8 (Z)		eP	19 02 56.1 (Z)	
iS	19 44.1 (E)		iS	04 00.6 (E)	
eiP	17 23 19.6 (Z)		iP	C 19 15 29.5 (Z)	
iS	25 15.6 (ZE)		iS	16 26.7 (E)	
iP	C 19 56 19.7 (Z)		eiP	20 52 32.0 (Z)	
iS	57 03.5 (NE)		iS	53 25.1 (N)	
iP	C 20 15 11.8 (Z)		eP	21 41 08.9 (Z)	
iS	44.6 (ZN)		e	43 16.5 (Z)	
iP	C 20 22 28.0 (Z)		e(P)	23 49 39.2 (Z)	
iS	42.1 (N)		i	50 04.3 (Z)	
eP	21 17 56.5 (Z)		20 iP	C 01 31 27.7 (Z)	
iS	18 13.2 (E)		iS	32 13.5 (E)	
eiP	23 02 50.4 (Z)		eP	01 36 27.2 (Z)	
iS	03 07.9 (ZNE)		iP	C 03 25 27.4 (Z)	
17 iP	00 00 08.0 (Z)	FELT 4 ARE.	iS	26 08.7 (N)	
iS	12.0 (ZNE)		iP	C 03 54 53.9 (Z)	
iP	D 05 13 53.5 (Z)		iS	55 17.4 (E)	
iS	14 04.6 (ZNE)		eP	05 07 54.5 (Z)	
eP	05 28 27.5 (Z)		iS	08 38.5 (NE)	

eiP	05 11 36.5 (Z)				
eS	12 04.0 (E)				
eP	06 25 41.0 (Z)				
eP	07 14 52.5 (Z)				
iS	15 56.5 (N)				
iP	C 08 25 35.4 (Z)				
iS	54.0 (E)				
iP	C 08 33 12.5 (Z)				
iS	31.0 (ZE)				
eP	09 03 45.6 (Z)				
iP	D 11 21 29.0 (Z)				
iS	22 26.5 (NE)				
eiP	11 28 46.7 (Z)				
iS	29 11.0 (NE)				
eiP	15 46 47.1 (Z)				
iP	D 15 14 50.1 (Z)				
iS	15 36.5 (ZE)				
iP	D 17 13 12.6 (Z)				
e(L)	26 40.1 (N')	T:00.9	A:03.5		
iP	C 18 28 57.5 (Z)				
iS	29 21.5 (ZNE)				
eP	18 56 24.1 (Z)				
i	56 44.6 (Z)				
i	58 32.5 (Z)				
i	58 59.8 (Z)				
21 iP	C 00 28 39.9 (Z)				
iS	29 47.8 (NE)				
iP	03 04 22.7 (Z)	T:01.0	A:02.8		
ei(P)	08 04 04.4 (Z)				
iP	D 11 36 01.8 (Z)				
iS	44.1 (ZE)				
iP	C 14 08 45.4 (Z)	T:00.9	A:01.4		
eS	13 00.1 (N')				
e	18 34.1 (Z'N')				
e	21 22.1 (Z')				
iP	C 14 26 32.1 (Z)				
iS	49.4 (ZNE)				
iP	C 16 38 45.2 (Z)				
i(S)	39 00.7 (ZE)				
iP	C 22 27 26.5 (Z)				
iS	53.1 (ZDTM)				
22 eP	03 44 44.0 (Z)				
iS	55.4 (Z)				
iP	C 04 04 35.0 (Z)				
iS	46.7 (ZNE)				
eP	05 34 05.8 (Z)				
eiP	C 07 48 40.0 (ZZ')				
i	54 10.0 (Z'E')				
i	58 23.2 (N'E')				
i	08 00 36.0 (Z')				
eP	08 00 05.5 (Z)				
iS	41.8 (E)				
iP	09 14 05.5 (Z)				
iP	D 15 27 17.9 (Z)				
iS	28 27.6 (Z)				
iP	C 16 36 13.7 (Z)				
iS	29.1 (N)				
iP	C 16 41 37.8 (Z)				
iS	42 21.9 (NE)				
eP	18 26 34.3 (Z)				
iP	D 19 27 35.1 (Z)				
iS	39.5 (ZNE)				
23 i(P)	C 01 32 56.7 (Z)				
iS	33 39.5 (N)				
eP	04 00 28.0 (Z)				
iS	01 12.4 (E)				
eiP	05 05 48.4 (Z)				
iS	06 05.4 (ZNE)				
eP	05 54 26.0 (Z)				
iP	D 06 00 07.5 (Z)				
iS	23.0 (ZNE)				
eP	06 08 24.6 (Z)				
iS	42.5 (ZNE)				
eiP	06 09 35.1 (Z)				
i(S)	11 03.5 (NE)				
i	12 00.2 (Z)				
eiP	06 24 19.5 (Z)				
iS	36.5 (E)				
iP	D 11 05 16.7 (Z)				
iS	29.8 (ZNE)				
i(P)	11 55 38.0 (Z)				
iS	49.0 (ZNE)				
iP	C 17 59 01.0 (Z)				
iS	27.8 (NE)				
iP	21 06 46.4 (Z)				
iS	50.9 (NE)				
eiPkP	21 24 08.1 (ZZ')				
i	29.6 (Z)				
i(PkS)	28 02.1 (Z')				
iSS	45 50.1 (N')				
iG	22 03 14.1 (N')				
i	11 14.1 (Z'N'E')				
24 eiP	D 00 25 06.5 (Z)				
iS	20.9 (NE)				
eiPkP	D 01 02 16.5 (Z)				
e	56.4 (Z)				
iP	C 01 30 41.5 (ZZ')				
iS	31 22.0 (N'E')				
eP	04 45 00.0 (Z)				
iS	46 04.7 (NE)				
eiP	05 21 05.2 (Z)				
iP	C 05 33 58.1 (Z)				
iS	34 14.7 (ZNE)				
ePkP	16 11 12.2 (ZZ')				
e	36 36.1 (N'E')				
e(L)	17 08 22.1 (Z')				

iP	C 16 42	34.6 (Z)			eiP	19 44	45.5 (Z)		
iS		50.2 (ZNE)			iS		57.6 (ZNE)		
iP	C 17 37	52.3 (Z)			eiPkP C	20 18	54.9 (Z)		
i		38 05.2 (N)			eiPkP D	20 57	47.4 (Z)		
i(S)		41 54.6 (NE)			28 eP	00 57	47.3 (Z)		
eP	19 42	49.6 (Z)			eS		59 01.8 (NE)		
iP	D 20 31	43.0 (Z)			eiP	D 02 55	32.0 (Z)		
iS		33 16.9 (ZE)			i		56 57.7 (Z)		
25 eiP	02 31	48.4 (Z)			iS		57 08.0 (ZE)		
iP	C 04 45	27.9 (Z)			iP	D 05 40	21.0 (Z)		
eS		49.3 (ZNE)			iS		36.4 (NE)		
iP	C 06 01	00.4 (Z)	T:00.9 A:03.5		iP	C 06 07	08.3 (Z)	T:00.5 A:04.0	
eP	11 04	36.2 (Z)			eP	06 34	44.3 (Z)		
iS		45.2 (Z)			eS		36 14.5 (N)		
iP	C 16 15	40.1 (Z)			iP	C 10 08	01.3 (Z)		
iP	C 16 36	19.6 (Z)			iS		18.0 (E)		
iS		34.5 (ZN)			iP	D 10 12	10.6 (Z)		
iP	C 20 21	05.3 (Z)			iS		27.1 (ZNE)		
iS		20.9 (ZNE)			iP	D 13 05	46.2 (Z)		
eiP	23 02	37.0 (Z)			iS		06 53.0 (ZE)		
iP	23 07	21.0 (Z)			i(P) C	14 34	40.0 (Z)		
iS		25.9 (ZNE)			iS		52.8 (ZN)		
26 i(P) C	06 53	54.5 (Z)			eiPkP D	15 00	18.7 (Z)		
iS		54 00.0 (E)			iP	D 16 29	00.6 (Z)		
eiP	10 33	38.0 (Z)			iS		51.4 (ZN)		
iP	C 11 13	49.0 (Z)			iP	C 16 38	09.0 (Z)		
iS		14 04.8 (ZN)			iS		22.3 (N)		
eiP	21 13	01.4 (Z)			iP	20 21	12.6 (Z)		
iS		22.1 (ZN)			29 iP	C 00 01	40.9 (Z)		
eP	22 13	12.3 (Z)			e		19 10.0 (ZN)		
eiP	23 47	54.9 (Z)			i		26 40.0 (Z)	T:30.0 A:51.0	
iS		48 16.8 (ZNE)			eiP	D 02 32	50.7 (Z)		
27 eiP	C 02 01	14.0 (Z)			iS		33 15.0 (ZNE)		
eP	02 14	03.7 (Z)			iPkP C	04 25	47.0 (Z)	T:01.0 A:07.5	
eS		52.3 (Z)			eiPkP D	06 46	32.5 (Z)		
eP	04 25	48.7 (Z)			ePkP	07 04	56.0 (Z)		
i		26 46.1 (Z)			iP	D 10 01	36.5 (Z)		
iS		26 51.0 (ZNE)			iS		03 09.5 (ZNE)		
eiP	05 23	30.2 (Z)			eP	17 21	09.6 (Z)		
i		24 30.1 (Z)			iP	C 18 23	30.0 (Z)		
iP	C 08 48	47.7 (Z)			iS		51.1 (ZNE)		
iS		49 46.5 (N)			eP	22 30	08.6 (ZZ')		
iP	C 13 11	43.7 (Z)			ePP		34 03.9 (Z)		
iS		12 06.4 (Z'N'E')			eS		41 34.1 (E')		
eP	13 22	12.5 (Z)			e		43 14.1 (N'E')		
i		57.0 (Z)			e		55 34.1 (Z'N'E')		
iS		23 06.8 (NE)			i	23 00	28.1 (Z'N'E')		
iP	D 14 03	22.7 (Z)			e		04 24.1 (N')		
iS		44.0 (Z'N'E')			e		07 34.1 (E')	T:34.0 A:80.0	
ei(P)	17 52	36.9 (Z)			30 eP	00 25	11.2 (Z)		
eS		53 38.6 (NE)			eS		49.9 (E)		
eiP	C 17 58	16.6 (Z)			iP	D 05 35	34.0 (Z)		
eS		59 05.5 (Z)			iP	D 05 56	50.1 (Z)		
					iS		57 06.5 (ZE)		

iP D 06 03 59.6 (Z)
 iS 09 22.7 (NE)
 iP C 10 36 20.4 (Z)
 iS 36.0 (ZNE)
 iP C 19 14 42.1 (Z)
 iS 15 11.4 (ZE)
 iP C 19 48 26.4 (Z)
 i(P) 20 00 43.6 (Z)
 iS 51.5 (ZNE)
 31 eiP 01 23 02.5 (Z)
 eS 24 34.6 (ZE)
 iP D 09 16 17.5 (Z)
 e 10 23 00.0 (Z')
 eiP 09 32 53.5 (Z)
 iS 33 17.3 (ZE)
 ei(P) C 09 38 08.5 (Z)
 i(P) D 09 38 22.6 (Z)
 iS 44.9 (N)
 iP D 09 40 50.7 (Z)
 iS 41 13.7 (NE)
 eiP 09 42 57.1 (Z)
 iS 43 19.5 (ZN)
 iP D 10 02 26.5 (Z)
 iS 48.8 (N)
 eiP 10 09 56.0 (Z)
 iS 10 17.8 (ZN)
 eiP 10 12 08.0 (Z)
 iS 30.0 (ZN)
 iP D 10 14 47.9 (Z)
 iS 15 11.0 (N)
 i(P) D 10 16 12.3 (Z)
 iS 35.1 (E)
 eP 10 19 07.7 (Z)
 iS 29.8 (Z)
 eiP 10 23 57.9 (Z)
 iS 24 20.4 (ZNE)
 eP 10 27 56.7 (Z)
 iS 28 19.6 (ZE)
 iP D 10 28 55.0 (Z)
 iS 29 18.0 (ZE)
 eiP 10 33 03.6 (Z)
 iS 26.4 (E)
 iP C 10 37 05.6 (Z)
 iP C 10 48 50.6 (Z)
 iS 49 13.0 (E)
 eP 10 58 42.6 (Z)
 iS 59 06.1 (ZE)
 eiP D 11 01 28.3 (Z)
 iS 51.1 (ZNE)
 eiP 11 12 50.5 (Z)
 iS 13 13.5 (ZNE)
 iP C 11 23 56.4 (Z)
 iS 24 19.4 (ZNE)

FELT 5 ARE

iP D 12 05 42.5 (Z)
 iS 06 05.5 (N)
 iP D 12 19 10.2 (Z)
 iS 32.2 (ZNE)
 iP C 14 42 56.1 (Z)
 iS 43 19.1 (ZNE)
 iP C 15 04 00.0 (Z)
 iS 22.0 (ZNE)
 iP C 16 35 24.3 (Z)
 eS 40.5 (E)
 eP 16 39 37.5 (Z)
 iP D 16 42 59.5 (Z)
 iS 43 22.0 (ZNE)
 iP D 17 16 33.0 (Z)
 iS 55.0 (ZNE)
 iP C 19 51 31.5 (Z)
 e(S) 50.0 (Z)
 iP C 19 56 20.4 (Z)
 iS 50.0 (ZNE)
 eP 22 22 53.0 (Z)
 iS 23 15.0 (ZNE)
 eiP 22 49 26.2 (Z)
 iS 49.0 (ZNE)
 eP 23 30 41.5 (Z)

C: compresión

D: dilatación

Universidad Nacional de San Agustín
 Instituto Geofísico
 Sección de Sismología
 Casilla 23
 Arequipa, Perú

Arequipa, Noviembre 8 de 1968

I.00.6 A:03.2

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Periodo Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z',N',E').- Amplificación: 1,500

NOVIEMBRE, 1968

01	iP	C 02	06	14.4	(Z)	iP	11	29	20.8	(Z)	
	e		16	20.0	(Z)	iS			53.7	(ZNE)	
	eiP	03	58	18.0	(Z)	iP	D 13	16	18.1	(Z)	
	i			30.5	(Z)	iS		17	17.1	(Z)	
	iS			40.5	(ZNE)	iP	C 19	56	44.6	(Z)	
	eP	04	04	30.0	(ZZ')	iS		57	04.1	(ZNE)	
	i		11	34.0	(Z'N'E')	03	iP	D 02	01	59.0	(Z)
	e		19	20.0	(Z')	iS		02	22.3	(ZNE)	
	iP	D 05	41	09.5	(Z)	eP		02	31	24.5	(Z)
	iS			31.8	(ZNE)	iS			42.5	(N)	
	eP	06	29	49.5	(Z)	eP		05	13	32.0	(Z)
	iS		30	12.5	(N)	e		30	20.0	(Z'N')	
	eP	07	56	08.5	(Z)	eP		08	30	21.5	(Z)
	eS		57	05.0	(NE)	eP		09	46	45.0	(Z)
	eP	08	01	06.8	(Z)	iS		47	09.3	(ZNE)	
	iS			30.1	(ZNE)	iP	D 16	20	34.5	(Z)	
	eP	08	20	26.0	(Z)	iS			55.0	(Z)	
	eP	09	42	45.0	(Z)	04	iP	D 03	55	21.7	(Z)
	iS		43	08.5	(N)	iS			43.8	(ZNE)	
	iP	C 10	25	24.2	(Z)	iP	C 08	56	39.9	(Z)	T:00.5 A:01.8
	iS			54.7	(E)	iPkp	C 09	25	07.9	(Z)	
	eP	10	37	19.0	(Z)	e(PP)			51.9	(ZZ')	
	iP	C 10	39	40.1	(Z)	e(PPP)		28	45.6	(Z')	
	iS		40	08.0	(ZNE)	e(SP)		34	24.0	(Z'E')	
	eiP	C 13	11	58.2	(Z)	iP	C 09	36	10.7	(Z)	
	eS		12	18.5	(Z)	eiP		10	59	01.3	(Z) FEI.T Z APL
	ePkP	13	38	41.0	(Z)	iS			24.8	(Z'N'E')	
	iP	C 13	51	23.5	(Z)	i(P)	D 12	54	38.2	(Z)	
	iS			39.4	(ZNE)	iS			59.0	(Z)	
	iP	C 16	01	08.9	(Z)	eiP		13	19	46.0	(Z)
	iS			31.2	(Z)	iP	D 14	03	57.0	(Z)	
	iP	C 18	16	13.0	(Z)	iS		04	08.5	(ZNE)	
	iS			36.0	(ZNE)	iP	D 15	26	03.0	(Z)	
	eP	20	49	15.5	(Z)	iP	D 18	13	07.1	(Z)	
02	iP	D 00	18	52.1	(Z)	iS			30.1	(Z'N'E')	
	iS		19	07.6	(ZNE)	iP	D 18	22	58.6	(Z)	
	iP	C 02	12	48.1	(Z)	iS		23	14.1	(ZE)	
	eS		13	19.5	(ZNE)	iP	C 22	13	26.4	(Z)	
	eiP	04	18	51.5	(Z)	iS			45.1	(Z)	
	iS		19	16.5	(ZNE)	05	eiPkP	02	22	27.0	(Z)
	iP	D 05	04	19.5	(Z)	eP		03	26	51.5	(Z)
	iS			31.4	(ZNE)	eiP	C 04	13	36.0	(Z)	
	eiP	08	03	41.2	(Z)	iS			58.0	(ZNE)	
	iS		04	04.0	(ZNE)	eiP	C 07	18	45.0	(Z)	
	eP	08	36	22.0	(Z)						

	iP	C 23 34	03.7 (Z)		eP	21 17	19.6 (Z)	
	iS		29.1 (ZNE)		iS	18 17	17.1 (ZE)	
	iP	C 23 43	07.6 (Z)		12 eP	01 04	07.6 (Z)	
	iS		20.1 (ZNE)		i		43.8 (Z)	
10	iP	D 00 44	40.8 (Z)		i		56.6 (Z)	
	iS	45	01.0 (ZN)		e	57	56.0 (Z')	
	iP	C 01 00	54.5 (Z)		eP	02 25	56.8 (Z)	
	eS	01	05.8 (Z)		iS	26	12.5 (ZNE)	
	eP	03 33	22.3 (Z)		eP	05 38	18.8 (Z)	
	iS	34	29.0 (ZNE)		eS		44.5 (ZNE)	
	eP	05 13	11.0 (Z)		iP	D 06 05	49.4 (Z)	
	eS		54.0 (NE)		eS	06	13.5 (ZNE)	
	eP	06 02	55.4 (Z)		iP	C 08 19	06.6 (Z)	
	e(S)	04	09.5 (E)		iS		14.1 (ZNE)	
	e(S)		29.5 (N)		iP	C 08 59	13.4 (Z)	
	iP	D 06 24	28.3 (Z)		iS		47.0 (ZNE)	
	iS		41.1 (ZNE)		iP	C 16 49	42.0 (Z)	
	iP	C 15 44	34.6 (Z)		eS		57.4 (ZNE)	
	iP	D 15 50	35.9 (Z)		iP	D 20 26	44.7 (Z)	
	eS	51	01.2 (ZNE)		eS	27	00.4 (ZNE)	
	eiPkP	C 17 22	05.9 (Z)		eP	21 53	09.8 (Z)	
	e	23	10.8 (Z)		e	22 38	44.0 (Z')	
	e	26	46.9 (Z)		e	44	32.0 (Z'E')	
	e	18 19	36.1 (Z')		e	23 29	08.0 (N')	
	eP	18 39	05.1 (Z)		e	30	57.0 (Z')	
	eS		36.7 (NE)		13 eiP	02 21	11.7 (Z)	
	eP	22 16	58.7 (Z)		iS		48.2 (ZE)	
	iS	18	07.0 (ZNE)		eiP	03 43	04.2 (Z)	
	iP	C 22 43	30.7 (Z)		iP	C 03 46	08.1 (Z)	
	iS		43.8 (ZNE)		iS		26.5 (NE)	
11	iP	C 00 59	21.0 (Z)		iP	D 03 47	38.0 (Z)	
	iS		40.5 (ZN)		iS	48	00.4 (ZNE)	
	eP	01 00	53.5 (Z)		eP	07 50	18.5 (Z)	
	e	01	13.0 (Z)		eP	07 56	46.3 (Z)	
	iP	C 03 18	17.0 (Z)		eiP	11 48	28.7 (Z)	
	i		35.8 (Z)		iS		49.7 (Z)	
	e	27	18.0 (Z')		iP	C 16 34	27.5 (Z)	
	eP	04 12	54.5 (Z)		iS		41.4 (N)	
	iS	13	43.3 (ZNE)		eP	17 00	35.3 (Z)	
	eP	06 26	25.3 (Z)		iS	01	27.9 (ZNE)	
	eS		41.5 (ZE)		e(P)	19 01	16.1 (Z)	
	ePkP	07 08	57.0 (Z)		e(L)	48	48.0 (Z')	
	eP	07 54	38.5 (Z)		iP	C 20 24	40.1 (Z)	
	iS	55	01.1 (ZNE)		iS		55.2 (NE)	
	iPkP	C 09 53	11.6 (Z)		14 eP	00 51	40.5 (Z)	
	ePkP	15 00	44.6 (Z)		iS	52	07.6 (E)	
	iPP	04	22.1 (Z')		eP	01 00	43.7 (Z)	
	e(SS)	22	11.1 (N'E')		iP	D 05 02	09.4 (Z)	
	eLr	46	08.1 (Z')		i		17.2 (Z)	
	iP	C 16 40	34.1 (Z)		iS		44.0 (NE)	
	iS		49.6 (ZNE)		iP	C 05 18	15.5 (Z)	
	iP	C 20 43	01.1 (Z)		iS		41.4 (ZNE)	
	cS		12.1 (Z)		iP	C 05 26	52.0 (Z)	
	iP	C 20 55	44.0 (Z)		iS		56.2 (ZNE)	
	iS	56	13.7 (Z'N'E')					

T:22.0 A:10.5

iP	C 08 18	47.5 (Z)		eiP	D 07 51	14.0 (ZZ')	
iS		19 36.5 (ZNE)		iS		59 18.0 (N'E')	
e(P)	10 24	08.7 (Z)		eG	08 05	26.0 (N')	
eiP	13 10	07.5 (Z)		i		10 10.0 (N')	T:18.0 A:115.0
iP	C 15 45	46.8 (Z)		iP	C 11 13	31.2 (Z)	
iS		46 13.0 (ZNE)		iS		45.3 (ZNE)	
iP	C 16 56	29.6 (Z)	FELT 4 ARE	iP	C 11 40	13.6 (Z)	
iS		57 40.9 (N'E')		i(S)		31.5 (E)	
iP	D 19 02	45.5 (Z)		iS		37.5 (N)	
iS		57.2 (NE)		eiP	12 14	42.2 (Z)	
iP	20 03	52.6 (Z)		iS		15 15.6 (N)	
iS		04 03.9 (ZNE)		eP	18 09	09.8 (Z)	
iP	D 22 00	17.6 (Z)		18 iP	D 00 51	02.7 (Z)	
iS		01 01.8 (ZNE)		i		16.6 (ZNE)	
iP	22 38	28.9 (Z)		iS		25.7 (ZNE)	
iS		45.7 (ZNE)		iP	C 16 33	22.6 (Z)	
15 ePkP	02 06	25.7 (Z)		iS		35.5 (ZNE)	
e(P)	03 13	07.0 (Z)		iP	C 22 02	55.4 (Z)	
eP	04 23	56.0 (Z)		iS		03 12.8 (ZNE)	
iS		24 18.3 (NE)		iP	C 23 02	53.5 (Z)	
iP	C 10 31	51.8 (Z)		iS		03 10.7 (ZNE)	
iS		32 51.0 (ZNE)		19 eiP	02 29	20.5 (Z)	
iP	12 49	00.7 (Z)		iS		30 14.4 (NE)	
iS		15.7 (Z)		i(S)		41.9 (E)	
eiP	21 38	47.4 (Z)		eP	05 29	42.7 (Z)	
iS		39 15.0 (ZNE)		iS		47.9 (ZNE)	
iP	D 23 15	36.6 (Z)		iP	D 06 06	11.4 (Z)	
iS		59.4 (Z)		iS		29.1 (ZNE)	
eiP	C 03 34	18.8 (ZZ')		eP	07 21	55.5 (Z)	
i		35.7 (Z)		e		23 45.7 (Z)	
i		35 04.0 (Z)		eP	07 34	25.5 (Z)	
eS		39 48.0 (N'E')		iS		35 04.4 (N)	
e(Lr)		42 40.0 (Z')		iP	D 16 01	48.2 (Z)	
iP	D 04 54	06.1 (Z)		iS		02 05.9 (ZNE)	
iS		09.9 (ZNE)		20 iP	D 00 03	03.6 (Z)	
eP	05 57	11.5 (Z)		iS		22.6 (NN'EE')	
iP	D 11 22	09.0 (Z)		iP	C 02 37	59.2 (Z)	
iS		30.0 (Z)		iS		38 16.6 (ZNE)	
iP	C 11 33	44.1 (Z)		iP	C 03 56	16.0 (Z)	
i		57.2 (Z)		iS		29.3 (ZNE)	
iS		34 09.3 (ZNE)		eP	03 57	56.5 (Z)	
iP	C 20 45	14.0 (Z)		eiP	07 10	43.0 (Z)	
iS		26.7 (ZE)		e		18 02.0 (Z'N'E')	
17 eiP	D 00 21	24.2 (ZZ')		iP	D 16 08	43.0 (Z)	
i		22 19.0 (ZN)		iS		50.5 (N)	
iPcP		24 52.0 (Z)		eiP	D 18 11	02.8 (Z)	
isS		26 38.0 (E')		eP	19 46	30.4 (Z)	
iPcS		28 16.5 (Z)		iS		47 13.8 (E)	
iP	01 35	50.2 (Z)		eP	D 20 03	26.0 (Z)	
iS		36 21.5 (NE)		iS		04 11.6 (ZN)	
iP	C 05 12	36.1 (Z)		iP	D 21 46	26.3 (Z)	
iS		55.0 (NE)		iS		44.1 (ZNE)	
e(P)	05 34	14.5 (Z)		eP	23 04	22.8 (Z)	
ePkP	05 38	51.0 (Z)		i(S)		05 21.6 (E)	
				i(S)		46.3 (E)	

	eP	23 56	18.4 (Z)		eP	09 44	13.0 (Z)	
			38.6 (ZNE)		eiP	10 49	01.3 (Z)	
21	eiP	05 39	53.5 (Z)		iP	D 11 57	31.7 (Z)	
	iS	40	40.0 (ZNE)		e	58	19.5 (Z)	
	iP	C 06 58	15.1 (Z)		iP	C 14 21	00.2 (Z)	
	iS		27.3 (ZNE)		iS	22	32.6 (ZE)	
	eP	08 45	15.0 (Z)		iP	C 16 21	45.1 (Z)	
	eS	46	02.3 (E)		i	22	02.1 (Z)	
	iP	D 08 51	57.2 (Z)		iS		39.7 (ZZ'N')	
	iS	52	16.4 (ZNE)		i(S)	23	06.5 (ZE')	
	eiPkP	D 14 51	18.5 (Z)		eP	16 51	37.9 (Z)	
	eP	15 46	50.2 (Z)		iP	C 19 19	53.1 (Z)	
	eS	47	13.7 (N)		i(S)	20	18.9 (Z'N'E')	
	eP	16 28	13.0 (Z)		iS		28.6 (ZZ')	
	eS		35.0 (ZE)		iP	D 21 58	15.0 (Z)	
	iP	C 16 35	25.8 (Z)		iS		26.4 (ZNE)	
	iS		40.5 (NE)		eiP	D 23 46	44.1 (Z)	
	eiP	C 19 26	26.9 (Z)		i	47	22.3 (N)	
	iS		51.1 (Z)	24	eiP	02 57	30.9 (Z)	
	eiP	D 22 04	51.1 (Z)		iS		49.0 (ZNE)	
	iS	05	16.9 (ZNE)		eiP	04 57	20.9 (Z)	
22	iP	D 03 17	51.9 (Z)		iS	58	45.4 (ZNE)	
	iS	18	07.3 (ZNE)		iP	C 05 33	07.8 (Z)	T:01.1 A:03.8
	iP	C 06 35	25.7 (Z)		i		40.5 (Z)	
	iS		52.5 (NE)		eP	06 01	37.3 (Z)	
	eiP	06 56	19.0 (Z)		eS	02	15.0 (Z)	
	iS		24.6 (ZNE)		iP	D 07 07	10.5 (Z)	T:01.0 A:04.0
	iP	C 07 14	43.7 (Z)		eP	10 41	42.8 (Z)	
	iS	15	10.9 (NE)		iS		48.5 (ZN)	
	eiP	08 48	11.1 (Z)		iP	C 15 29	27.6 (Z)	
	iS		34.6 (E)		iS		38.9 (ZE)	
	eP	09 19	31.9 (ZZ')		eP	17 28	01.3 (Z)	
	eSkkkS	31	12.1 (Z'E')		iS		19.8 (ZE)	
	e(SSS)	51	14.1 (E')		ePkP	21 40	24.9 (Z)	
	e(L)	10 16	10.1 (Z')		ePP	43	28.1 (Z)	
	ePkP	10 51	47.8 (Z)		e	55	40.1 (Z'E')	
	i	52	18.3 (Z)		iP	C 23 21	29.0 (Z)	
	iP	C 11 20	58.6 (Z)		iS		58.9 (NE)	
	iS	21	28.3 (ZNE)	25	eP	00 21	44.0 (Z)	
	iP	C 11 30	11.6 (Z)		eP	01 02	11.3 (Z)	
	iS	31	14.6 (NE)		iP	C 02 14	49.7 (Z)	T:01.0 A:03.5
	eP	11 59	26.1 (Z)		i		54.7 (Z)	M:01.0 A:07.0
	eiP	C 15 35	10.3 (Z)		iS	16	07.0 (Z)	
	iS		29.1 (ZNE)		i		48.2 (Z)	
	iP	C 16 55	57.2 (Z)		iP	D 07 16	11.0 (Z)	
	iS	56	08.6 (ZNE)		iS		25.5 (ZNE)	
	iP	D 17 24	43.8 (Z)		iP	D 10 05	17.5 (Z)	
	iS		59.5 (ZNE)		iS		42.1 (ZNE)	
23	eP	02 03	57.0 (Z)		iP	C 17 59	46.6 (Z)	
	i	04	29.6 (Z)		iS	18 00	00.8 (ZNE)	
	iS		46.0 (ZNE)		iP	C 18 27	38.5 (Z)	
	i(S)	05	12.3 (NE)		iS	28	01.6 (E')	
	e(P)	05 59	58.8 (Z)		ePkP	18 56	58.7 (ZZ')	
	eP	07 01	39.7 (Z)		i	57	28.0 (Z)	
	iS		44.1 (ZNE)		eSkSP	19 11	34.0 (N'E')	
					e	52	52.0 (Z')	

	eiP	22 51	34.4 (Z)		iP	C 11 40	01.5 (Z)	
	iS		48.0 (ZNE)		iS		30.0 (ZNE)	
26	iP	D C 0 13	38.3 (ZZ')	T:01.2 A:05.5	iP	C 11 54	51.5 (Z)	
	e(S)		22 12.0 (N'E')		iS		56.0 (ZNE)	
	e		33 06.0 (Z')		iP	13 12	36.5 (Z)	
	eP	01 29	37.0 (Z)		iS		50.0 (NE)	
	e		32 44.0 (Z)		eiP	13 44	36.9 (Z)	
	eP	02 19	20.9 (Z)		iS		45 10.2 (Z)	
	iS		44.5 (ZNE)		iP	C 15 10	35.4 (Z)	
	iP	C 04 05	59.9 (Z)		iS		11 35.5 (ZN)	
	iS		06 56.6 (ZNE)		iPkP	D 16 49	19.8 (Z)	
	eP	04 25	50.2 (Z)		eiP	16 59	01.2 (Z)	
	eS		26 03.0 (ZE)		eS		28.7 (Z)	
	eP	06 26	45.5 (Z)		iP	C 18 22	46.7 (Z)	
	iS		27 42.0 (NE)		iS		23 09.5 (ZNE)	
	eP	D 07 05	03.3 (Z)		iP	C 20 18	26.7 (Z)	
	iS		06 08.9 (NE)		iS		42.0 (ZE)	
	iP	D 10 42	16.0 (Z)		iP	D 22 46	28.3 (Z)	
	eS		43.7 (E)					
	iP	C 18 49	13.0 (Z)	29	eP	03 59	02.0 (Z)	
	iS		50 43.0 (E)		e(S)	04 06	40.0 (N'E')	
					e(L)		12 08.0 (E')	
27	eiP	04 46	22.6 (Z)		eP	04 19	34.0 (Z)	
	iS		47 07.4 (ZN)		ePkP	04 49	13.5 (Z)	
	eiPkP	C 06 05	10.2 (Z)	T:01.0 A:02.5	iP	D 06 00	43.5 (Z)	
	eP	07 02	24.4 (Z)		iS		47.7 (ZNE)	
	eP	07 19	55.5 (Z)		eP	07 00	25.5 (Z)	
	iS		21 30.4 (NE)		iS		48.4 (ZNE)	
	e(P)	07 22	18.0 (Z)		eiP	C 07 29	07.4 (Z)	
	eiP	08 16	20.7 (Z)		iS		30 12.6 (ZNE)	
	iS		48.7 (E)		iP	D 13 34	34.3 (Z)	
	eP	08 32	30.0 (Z)		iS		24.5 (N)	
	iP	C 12 55	39.3 (Z)		eiP	15 24	00.0 (Z)	
	iS		54.5 (ZNE)		iS		59.6 (E)	
	iP	D 17 22	47.7 (Z)		iP	C 21 16	57.4 (Z)	
	iS		23 03.2 (ZNE)		iS		17 18.2 (ZNE)	
	eiP	22 06	38.0 (ZZ')	30	eiP	02 09	15.5 (Z)	
	eS		12 12.0 (E')		iS		20.9 (ZNE)	
	e		15 14.0 (Z')	T:26.7 A:26.0	iP	C 03 57	50.4 (Z)	FELT 4 ARE
					i(S)		54.5 (Z'N'E')	
28	iP	C 00 08	02.3 (Z)		iP	C 04 03	28.4 (Z)	
	iS		09 18.3 (E)		iS		33.2 (ZNE)	
	iP	D 01 20	12.8 (Z)		eiP	C 04 30	46.2 (Z)	
	iS		22 32.7 (E)		iS		51.1 (ZNE)	
	iP	C 02 24	04.0 (ZZ')		iP	C 04 48	42.1 (Z)	
	iS		34.0 (ZNZ'E')		iS		49 23.6 (NE)	
	eP	04 14	13.0 (Z)		iP	C 06 48	16.0 (Z)	
	iP	D 06 03	45.6 (Z)		eS		50.0 (E)	
	iS		59.3 (NE)		iP	C 07 21	11.1 (Z)	
	eiP	06 06	45.5 (Z)		iS		15.6 (ZNE)	
	iS		07 25.3 (Z)		iP	C 07 23	01.2 (Z)	
	eP	07 41	30.3 (Z)		iS		05.9 (ZNE)	
	iS		35.5 (ZNE)		eiPkP	C 08 11	07.3 (Z)	
	eP	10 43	33.5 (ZZ')		i		16.4 (Z)	
	i		42.5 (Z)		iP	C 08 34	03.7 (Z)	
	i(S)	49	36.0 (N'E')	T:16.0 A:40.0	iS		08.5 (ZNE)	
	i	52	36.0 (N'E')	T:22.0 A:73.0				
	iL	56	46.0 (Z')	T:26.0 A:116.0				

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iP	C	08	50	11.5	(Z)
iS				40.0	(ZNE)
eP		09	51	25.0	(Z)
iP	C	10	19	11.0	(Z)
iS				15.8	(ZNE)
eP		11	08	17.3	(Z)
eS		09		44.0	(Z)
eiP		12	02	24.3	(Z)
eS		03		56.0	(NE)
eiP		15	45	12.8	(Z)
iP	C	16	32	45.5	(Z)
iS			33	00.7	(ZNE)
iP		17	42	42.5	(Z)
iS				47.0	(ZNE)
iP	C	20	02	29.3	(Z)
i				43.8	(Z)
iS		04		42.5	(ZNE)
eP		21	44	53.0	(Z)
iS		45		10.9	(ZNE)

Universidad Nacional de San Agustín
Instituto Geofísico
Sección de Sismología
Casilla 23
Arequipa, Perú

C: compresión
D: dilatación

Arequipa, Diciembre 7 de 1968

LECTURAS EN LA ESTACION SISMOGRAFICA DE AREQUIPA

(ARE, WWSSS)

Coordenadas de la estación: Latitud : 16°27'43.5" Sur
 Longitud : 71°29'28.6" Oeste
 Altitud : 2,451.6 mts.

Instrumentos: Benioff, Periodo Corto (Z,N,E).- Amplificación: 50,000
 Sprengnether, P. Largo (Z'N'E').- Amplificación: 1,500

DICIEMBRE, 1968

01 eP	00 10 42.9 (Z)		iP	C 02 04 24.5 (Z)	
eP	00 22 16.8 (Z)		iS	29.3 (ZNE)	
iS	33.3 (ZNE)		iP	C 02 42 24.5 (Z)	
eiP	C 00 36 55.3 (Z)		iS	29.3 (ZNE)	
iS	37 29.5 (ZN)		iP	C 02 46 49.4 (Z)	T:01.1 A:04.0
iP	C 01 02 26.0 (Z)		i	47 16.7 (Z)	
iS	44.1 (ZNE)		i	03 15 10.0 (N')	
eiP	01 24 15.9 (Z)		e	23 18.0 (Z')	
iS	45.2 (ZNE)		eiP	D 03 14 19.4 (Z)	
e(P)	02 20 39.5 (Z)		iS	15 09.8 (N)	
iP	42.9 (Z)		iP	C 05 29 51.9 (Z)	
iS	21 34.9 (ZNE)		iS	56.7 (ZNE)	
iP	C 02 56 37.4 (Z)		eP	07 39 18.0 (Z)	
iS	57 08.2 (E)		eP	08 43 10.1 (Z)	
eP	03 42 56.0 (Z)		iS	32.6 (E)	
eP	03 48 58.6 (Z)		iP	D 08 44 07.0 (Z)	
ePP	49 27.2 (Z)		iS	24.2 (ZE)	
eiP	D 04 11 55.9 (Z)	T:01.0 A:05.0	eiP	11 04 44.4 (Z)	
eP	07 58 44.5 (Z)		iS	05 09.2 (ZE)	
eS	59 39.3 (ZNE)		iP	D 13 00 11.6 (Z)	
iP	C 08 37 20.5 (Z)		iS	22.7 (ZE)	
iS	25.3 (ZNE)		eiP	13 46 16.8 (Z)	
eiP	C 12 47 37.3 (Z)		iS	43.5 (ZE)	
iS	48 05.7 (E)		eiP	14 18 17.1 (Z)	
iP	C 12 49 26.8 (Z)		iS	29.6 (ZE)	
iS	50 01.2 (NE)		eP	20 13 11.8 (Z)	
iP	C 12 55 51.4 (Z)		03 eP	02 52 31.2 (Z)	
iS	56 07.7 (ZNE)		eS	45.0 (Z)	
e(P)	13 16 32.7 (Z)		eP	06 51 24.5 (Z)	
iP	C 34.0 (ZZ')		iS	46.7 (ZN)	
i	42.0 (Z)		eP	09 05 53.0 (Z)	
iS	18 30.0 (Z'N'E')		iS	06 32.8 (E)	
eP	14 04 06.2 (Z)		iP	D 15 23 08.4 (Z)	
iS	25.0 (NE)		iS	58.5 (ZE)	
eP	15 21 31.5 (Z)		iP	D 16 40 24.6 (Z)	
iP	D 19 41 18.0 (Z)		iS	39.5 (Z)	
iS	48.0 (N)		eP	17 04 03.7 (Z)	
eP	22 58 21.5 (Z)		iS	26.6 (N)	
iS	59 28.2 (NE)		iP	C 17 08 16.0 (Z)	
02 eP	00 26 02.0 (Z)		iS	46.5 (E)	
e	06.2 (Z)		04 eP	00 01 57.2 (Z)	
eiP	00 41 27.3 (Z)		iP	C 00 51 35.0 (Z)	
iS	40.6 (Z)		iS	39.6 (ZNE)	
iP	C 00 50 24.5 (Z)		iP	C 00 53 06.9 (Z)	
iS	29.3 (ZNE)		iP	03 23 59.9 (Z)	
iP	C 00 55 24.5 (Z)				
iS	29.3 (ZNE)				

eiP	D 05 37	06.4 (Z)		eP	19 18	20.5 (Z)	
iS		35.7 (NE)		eiP	C 22 22	30.2 (Z)	
iP	C 06 02	15.0 (Z)		iS	23	38.3 (NE)	
eS		35.3 (ZNE)		06 e(P)	00 23	47.5 (Z)	
eiP	06 35	57.6 (Z)		eiP	03 47	03.0 (Z)	
iS	36	23.4 (ZNE)		iS		08.1 (ZNE)	
iP	C 06 46	43.2 (Z)		eP	05 40	58.0 (Z)	
iS		56.0 (ZNE)		eP	05 50	38.5 (Z)	
eP	07 06	50.3 (Z)		e	53	08.8 (Z)	
iS	07	12.0 (NE)		e(P)	07 01	02.0 (Z)	
eP	08 08	52.0 (Z)		eP	07 45	42.0 (Z)	
iP	C 11 15	24.0 (Z)		iS	46	09.8 (ZNE)	
iS		52.8 (N)		eiP	10 04	21.0 (Z)	
eP	11 45	36.5 (Z)		iS		41.5 (ZNE)	
i		53.7 (Z)		iP	C 16 37	08.7 (Z)	
i(S)	47	30.0 (NN'E')		iS		24.6 (N)	
iP	C 14 12	42.6 (Z)		iP	C 16 50	20.6 (Z)	
iS	14	13.6 (E)		iS	51	07.5 (NE)	
eP	15 45	34.0 (Z)		iP	D 17 58	15.0 (Z)	
e	46	16.0 (Z)		i(S)		43.5 (E)	
e	50	56.0 (N')		07 eP	02 10	55.4 (Z)	
iP	C 16 50	00.9 (Z)		iS	11	43.4 (NE)	
iS		26.5 (ZE)		iP	C 04 26	15.8 (Z)	
iP	C 18 04	44.2 (ZZ')		iS		27.6 (ZNE)	
iS	05	08.8 (N'E')		eiP	05 12	28.5 (Z)	
iP	C 20 19	33.5 (Z)		iS	13	03.3 (ZN)	
iS		49.2 (ZE)		ePkP	05 17	11.0 (ZZ')	
iP	D 21 53	08.4 (Z)		e		38.5 (Z)	
iS		23.5 (ZNE)		ePkS	21	20.0 (E')	
05 iP	C 00 45	06.0 (Z)		e	33	08.0 (N')	
eiP	00 49	26.0 (Z)		eSS	38	58.0 (Z'N'E')	
iS		49.0 (E)		e	56	32.0 (N'E')	
iP	D 01 14	17.0 (Z)		e(L)	06 01	24.0 (N')	
iS	15	13.8 (ZN)		eiP	09 42	42.6 (Z)	
eP	02 05	37.0 (Z)		iS		53.5 (ZNE)	
eP	02 47	45.3 (Z)		eP	11 26	37.8 (Z)	
iS	48	05.4 (NE)		iS	27	02.6 (ZN)	
eP	06 01	51.5 (Z)		iP	D 13 30	46.5 (Z)	
eP	07 59	47.0 (Z)		iS		51.0 (ZNE)	
iS	08 00	04.9 (ZNE)		eP	15 52	05.0 (Z)	
eiP	09 57	09.3 (Z)		iS		21.3 (ZE)	
eS	10 07	40.8 (N')		eiP	16 06	51.7 (Z)	
e	26	02.0 (Z'N')		iP	C 16 40	07.2 (Z)	
iP	11 05	13.1 (Z)		iS		22.5 (ZNE)	
iS		18.0 (ZNE)		iP	C 18 29	22.1 (Z)	
eiP	11 13	35.4 (Z)		iS	30	10.9 (E')	
iS	14	37.0 (N)		iP	19 21	54.7 (Z)	
eiP	12 13	50.2 (Z)		iS	22	13.8 (ZNE)	
iS	14	06.6 (ZNE)		iP	C 20 12	42.4 (Z)	
iP	C 12 51	34.8 (Z)	FELT 3 ARE	iS	13	08.1 (ZNE)	
iS		39.7 (ZNE)		iP	D 20 41	23.9 (ZZ')	
iP	D 13 28	10.9 (Z)		iS	46	20.1 (Z'N'E')	
iS		49.7 (NE)		i	48	14.1 (E')	
iP	C 16 39	15.0 (Z)		iP	D 22 21	46.3 (Z)	
iS		28.2 (ZE)		iS	22	01.0 (NE)	

08 e(P) 00 07 20.6 (Z)
 eP 01 09 13.4 (Z)
 iP C 02 04 50.5 (Z)
 eS 05 20.0 (E)
 eP 03 24 03.3 (Z)
 iP C 04 27 53.9 (Z)
 iS 28 00.4 (ZNE)
 eP 05 12 07.3 (Z)
 i 12.0 (Z)
 e 16 13.2 (Z)
 iP D 05 23 50.5 (Z)
 eP 08 11 39.0 (Z)
 iP D 08 12 29.5 (Z)
 iS 43.7 (ZNE)
 eP 09 12 36.5 (Z)
 eP 11 49 45.5 (Z)
 eP 11 52 53.6 (Z)
 iPkP C 13 31 15.8 (Z) T:01.0 A:06.5
 ipPkP 32 25.5 (Z)
 eiPkP 16 11 05.5 (Z)
 eiP 19 05 17.0 (Z)
 iS 30.5 (ZNE)
 09 eP 04 04 20.0 (Z)
 iS 25.1 (E)
 eiP 04 59 30.5 (Z)
 iS 52.9 (ZNE)
 eiP 06 03 13.5 (Z)
 iP C 06 51 30.5 (Z)
 iS 35.5 (ZNE)
 iP D 09 19 32.3 (Z)
 iS 37.5 (ZNE)
 ei(P) 09 53 05.6 (Z)
 iS 57.6 (N)
 i(P) C 10 18 49.3 (Z)
 iP C 16 34 58.0 (Z)
 iS 35 13.7 (ZNE)
 eP 18 11 21.3 (Z)
 i(S) 50.0 (E)
 eiP C 18 30 40.2 (Z)
 iP D 20 57 55.0 (Z)
 iS 58 18.6 (ZE)
 10 eP 01 01 53.0 (Z)
 e 04 17.5 (Z)
 iPkP D 04 45 03.5 (Z)
 i 22.0 (Z)
 eP 06 11 55.0 (Z)
 e(PP) 12 16.0 (Z)
 e(S) 16 14.0 (N'E')
 eL 20 00.0 (Z')
 iP C 06 54 23.5 (Z)
 iS 55 37.7 (NE)
 iP C 10 32 30.0 (Z)
 iS 33 31.9 (NE)

iP D 15 26 30.0 (Z)
 iS 56.5 (E)
 iP C 16 35 30.1 (Z)
 iS 48.5 (ZNE)
 iP D 22 08 04.3 (Z)
 iS 20.5 (NE)
 11 eP 02 08 57.4 (Z)
 iS 09 28.2 (E)
 eP 02 26 22.0 (Z)
 iS 45.7 (ZNE)
 eiP C 03 42 52.0 (Z)
 iS 44 23.2 (ZNE)
 eP 04 18 13.0 (Z)
 iS 19 16.8 (Z)
 eiP 05 44 16.0 (Z)
 iS 31.0 (ZNE)
 eP 07 21 23.0 (Z)
 eP 10 53 28.2 (Z)
 e 54 45.5 (Z)
 iPkP C 12 05 24.6 (Z) T:01.1 A:09.0
 eiP D 12 57 40.7 (Z)
 iS 58 43.2 (ZE')
 iP C 14 04 46.0 (Z)
 iS 05 18.2 (E)
 iP C 18 48 49.8 (Z)
 iS 49 09.8 (ZNE)
 iP D 22 51 49.5 (Z)
 iS 54.5 (ZNE)
 12 eiP 00 01 52.1 (Z) T:01.0 A:03.0
 eP 01 08 54.5 (Z)
 e 01 10 56.0 (Z'E')
 eP 04 53 55.2 (Z)
 eS 54 28.0 (NE)
 eiPkP 05 45 29.0 (Z)
 eP C 06 12 48.9 (Z)
 iS 50.9 (ZNE)
 eP 06 30 43.5 (Z)
 eP 07 12 09.2 (Z)
 iP D 08 24 01.0 (Z)
 iS 54.9 (ZNE)
 iP C 09 38 52.1 (Z)
 iS 56.8 (ZNE)
 e(P) 12 03 07.0 (Z)
 e(S) 04 17.0 (NE)
 iP C 23 42 16.2 (Z)
 iS 40.0 (N'E')
 iP C 00 50 44.8 (Z)
 iS 57.2 (E)
 iP C 03 00 31.7 (Z)
 iS 37.2 (ZN)
 ePkP 03 06 49.5 (Z)
 eP 03 45 34.5 (Z)

eiP	06 15 20.8 (Z)	eP	05 29 21.5 (Z)	
iP	D 08 22 24.6 (Z)	iS	56.0 (N)	
iS	23 11.0 (E)	iP	D 07 06 41.5 (Z)	T:01.0 A:04.5
e(P)	09 40 15.5 (Z)	iP	C 14 36 03.5 (Z)	
eP	13 05 29.5 (Z)	iS	27.0 (ZE)	
14 eiP	02 20 42.5 (Z)	iP	C 16 05 26.4 (Z)	
eiP	C 03 15 47.0 (Z)	iS	06 21.0 (ZE)	
iS	16 56.5 (E)	iP	C 16 43 45.2 (Z)	
iP	D 03 37 56.2 (Z)	iS	44 00.7 (Z)	
eiP	C 06 49 46.5 (Z)	iP	18 21 37.8 (Z)	
iS	50 03.4 (ZN)	iS	43.7 (ZNE)	
iP	D 08 00 14.5 (Z)	eP	19 19 33.2 (Z)	
iS	30.2 (ZNE)	i	21 22.4 (Z)	
iP	D 08 11 11.2 (Z)	iP	C 20 18 58.1 (Z)	
iS	23.7 (ZNE)	iS	19 11.7 (N)	
iP	C 18 49 30.4 (Z)	eP	20 37 08.5 (Z)	
iS	57.7 (ZN)	eS	39 16.0 (ZNE)	
eP	22 19 39.5 (Z)	iP	C 23 45 56.5 (Z)	
15 eiP	C 00 45 17.8 (Z)	iS	46 52.0 (ZE)	
iS	33.4 (ZNE)	17 eiP	02 11 01.0 (Z)	
e(P)	01 41 02.7 (Z)	iS	22.0 (ZE)	
eP	02 34 17.6 (Z)	iP	04 13 51.2 (Z)	
e(S)	43 56.0 (Z'N'E')	iS	14 01.5 (ZNE)	
e	50 28.0 (E')	iP	D 04 51 17.9 (Z)	
e	58 18.0 (Z')	iS	23.8 (ZNE)	
e(L)	03 11 36.0 (Z')	eiP	07 02 46.9 (Z)	
eL	20 52.0 (E')	eS	03 05.2 (ZE)	
eP	04 01 16.3 (Z)	eiP	12 15 51.0 (ZZ')	
iP	D 04 51 56.9 (Z)	iPP	19 58.5 (ZZ')	
iS	52 12.5 (ZNE)	iS	26 22.0 (Z'E')	
iP	D 09 48 38.9 (Z)	iPS	28 48.0 (Z'E')	
iS	49 36.5 (ZNE)	eG	43 10.0 (E')	
eP	11 24 29.0 (Z)	i	50 48.0 (Z')	
iS	48.1 (ZNE)	i	52 40.0 (E')	
eP	12 08 59.3 (Z)	iP	15 55 28.5 (Z)	
iS	10 18.0 (Z)	iS	56 45.0 (E)	
eP	13 11 11.3 (Z)	iP	C 16 30 13.4 (Z)	
iS	12 39.4 (E)	iS	29.0 (ZNE)	
eiP	15 20 02.0 (Z)	iP	D 20 16 44.8 (Z)	
iS	28.7 (N)	iS	17 01.5 (Z)	
e(P)	19 52 06.0 (Z)	iP	C 20 20 23.2 (Z)	
eiP	D 20 46 52.0 (Z)	iS	39.0 (ZNE)	
i	47 02.9 (Z)	18 eP	01 22 24.5 (Z)	
e(S)	51 24.0 (N'E')	iS	23 12.4 (NE)	
iP	C 21 59 40.7 (Z)	iP	D 01 32 00.3 (Z)	
iS	51.8 (ZNE)	iS	33 07.0 (ZNE)	
16 eiP	03 12 56.4 (Z)	eiP	02 25 03.0 (Z)	
eP	03 43 44.5 (Z)	iS	27.5 (NE)	
eS	45 08.7 (ZE)	iP	C 03 42 19.6 (Z)	
iP	C 04 20 19.0 (Z)	iS	36.0 (ZNE)	
iS	39.5 (ZNE)	eiP	05 26 40.3 (Z)	
eP	04 39 08.7 (Z)	iS	27 04.5 (NE)	
eS	50.8 (N)	eP	06 27 55.5 (Z)	
		eP	06 43 00.7 (Z)	
		e	44 22.8 (Z)	
		e	46 08.5 (Z)	

iP	D 02 00	15.9 (Z)		iP	C 06 01	26.7 (Z)	
iS		34.7 (ZNE)		iS		30.7 (ZNE)	
iP	D 03 55	03.4 (Z)		iP	C 09 32	40.1 (Z)	
iS		15.5 (ZE)		iS		33 11.2 (E)	
eiP	05 19	35.0 (Z)		eP	13 55	16.5 (Z)	
iS		20 24.8 (ZNE)		iS		35.6 (ZNE)	
eP	05 30	19.9 (Z)		eiP	15 55	51.5 (Z)	
iS		34.2 (ZN)		eS		56 22.0 (ZNE)	
eP	06 34	14.3 (Z)		iP	C 16 35	32.7 (Z)	
e		46.0 (Z)		iS		47.8 (ZNE)	
eiP	08 02	09.9 (Z)		e(P)	17 43	11.4 (Z)	
iS		54.8 (ZNE)		e(P)		45 13.0 (Z)	
eiP	09 00	45.3 (Z)		i		46 22.0 (ZNE)	
iS		01 07.6 (ZNE)		iP	D 20 26	23.3 (Z)	
eP	12 46	09.0 (Z)		iS		30.8 (ZNE)	FELT 3 ARE
i		54 38.0 (ZN)		27 iP	C 02 05	29.8 (ZZ')	FELT 3 ARE
eLr		56 04.0 (E')		iS		59.6 (N'E')	
e	16 34	04.0 (Z'N')		iP	D 02 17	16.5 (Z)	
iP	C 16 42	47.8 (Z)		iS		34.7 (ZDTM)	
iS		43 05.2 (ZNE)		eP	03 18	13.0 (Z)	
iP	C 19 43	49.1 (Z)		e		34.5 (Z)	
iS		44 18.1 (E)		eP	03 32	51.0 (Z)	
iP	C 22 11	57.4 (Z)		iP	D 07 09	37.0 (Z)	
iS		12 24.8 (Z)		iS		48.6 (ZNE)	
iP	C 22 47	22.6 (Z)		iP	D 07 18	00.2 (Z)	
iS		48.9 (ZNE)		iS		11.5 (ZNE)	
25 iP	C 01 40	54.5 (Z)		eP	07 33	56.0 (Z)	
iS		41 08.5 (ZN)		iS		35 21.6 (E)	
eP	02 44	35.3 (Z)		eiP	09 53	08.2 (Z)	
eP	04 14	40.5 (Z)		iS		19.9 (ZN)	
iS		15 59.4 (Z)		eP	11 51	05.0 (Z)	
eP	04 49	48.0 (Z)		iP	C 14 03	05.6 (Z)	
iS		50 22.8 (ZNE)		iP	C 15 21	27.6 (Z)	
iP	C 05 13	31.0 (Z)		iS		50.0 (E')	
iS		36.0 (ZNE)		iP	C 16 34	16.3 (Z)	
eiP	05 20	42.7 (Z)		iS		31.7 (ZE)	
iS		47.7 (ZNE)		eiP	17 35	53.4 (Z)	
iP	C 09 47	42.4 (Z)		iS		36 45.9 (ZDTM)	
iS		48 04.5 (ZNE)		iP	C 18 28	34.3 (Z)	
eP	09 26	15.7 (Z)		iS		29 04.5 (E)	
iS		29.5 (NE)		iP	C 20 16	49.0 (Z)	
eiP	09 51	04.0 (Z)		iS		17 04.4 (ZNE)	
iS		09.0 (ZNE)		iP	21 30	04.9 (Z)	
iP	D 14 50	41.3 (Z)		iS		30.1 (ZDTM)	
iS		56.1 (NE)		iP	C 22 51	11.3 (Z)	
eP	15 44	58.9 (Z)		28 eiP	05 22	03.0 (Z)	
e(P)	17 58	21.5 (Z)		iS		28.2 (ZNE)	
iP	C 18 29	26.7 (Z)		eP	05 33	12.0 (Z)	
iS		41.9 (ZNE)		iS		34 24.3 (ZNE)	
iP	18 36	57.8 (Z)		ePKP	06 46	51.5 (Z)	
i		37 05.4 (NE)		i		47 05.5 (Z)	
iS		09.2 (ZNE)		eiP	07 05	10.3 (Z)	
26 eP	00 33	33.5 (Z)		iS		18.1 (ZNE)	
iP	C 02 52	06.0 (Z)		iP	C 09 48	32.0 (ZZ')	
iS		33.5 (ZNE'N'E')		iS		49 04.0 (Z'N'E')	

eP 12 44 42.0 (Z)
 e 48 42.0 (Z'N')

eiP 16 30 12.5 (Z)
 iS 57.8 (N)

eP 17 06 02.5 (Z)
 iS 44.6 (NE)

i(P) 19 39 59.6 (Z)
 i 40 17.6 (ZN)
 iS 33.8 (ZNE)

29 iP C 02 54 38.6 (Z)
 iS 55 06.6 (NE)

eP 06 21 17.4 (Z)
 iS 32.6 (ZNE)

ePkP 07 13 41.0 (Z)

ePkP 07 36 12.0 (Z)
 e 37 18.3 (Z)

ePkP 08 57 52.5 (Z)

iP C 09 07 52.6 (Z)
 iS 08 24.2 (E)

iP C 13 31 47.2 (Z)
 iS 32 18.3 (ZE)

iP C 16 31 30.3 (Z)
 iS 33 02.5 (ZZ'N'E')

eP 17 43 36.0 (Z)
 e(S) 49 23.6 (N'E')
 i(L) 56 28.0 (Z') T:24.0 A:26.5

i(P) 19 54 10.0 (Z)

30 eP 00 35 26.8 (Z)
 iS 36 59.7 (NE)

iP C 01 15 22.6 (Z)
 iS 27.4 (ZNE)

iP D 02 54 19.5 (Z)
 iS 26.8 (NE)

eP 05 02 07.5 (Z)

eP 05 49 33.0 (Z)
 iS 53.8 (ZNE)

iP C 05 52 38.6 (Z)
 iS 53 02.2 (NE)

eiP 07 16 46.5 (Z)

eP 09 22 08.2 (Z)

iP C 10 39 48.8 (Z)
 iS 40 35.3 (NE)

iP C 14 39 27.5 (ZZ') FELT 3 ARE
 iS 40 36.8 (N'E')

iP C 15 41 32.6 (Z)
 iS 42.0 (Z)

iP C 16 15 00.5 (Z)
 iS 09.7 (Z)

iP C 16 35 49.7 (Z)
 iS 36 08.1 (E)

eP 18 04 00.5 (Z)

iP C 19 36 53.7 (Z)
 iS 37 03.2 (ZNE)

iP C 20 48 14.7 (Z)
 iS 23.8 (ZNE)

iP C 21 17 05.5 (Z)
 iS 22.0 (ZNE)

iP 21 58 06.2 (Z)
 iS 15.5 (ZNE)

iP C 23 04 24.3 (Z)
 iS 33.5 (ZNE)

31 iP 00 41 33.0 (Z)
 iS 46.0 (ZNE)

iP C 03 52 34.3 (ZZ')
 iS 43.6 (ZE)

eP 04 32 43.2 (Z)
 iS 52.5 (ZN)

iP C 05 29 37.0 (Z)
 iS 45.9 (E)

eP 06 07 36.0 (Z)
 iS 44.6 (ZE)

eP 08 15 04.3 (Z)

eP 08 45 11.8 (Z)

iP C 09 03 50.7 (Z)
 iS 04 50.0 (N)

iP D 12 26 43.8 (Z)
 iS 27 46.0 (NE)

eiP D 12 44 54.0 (Z)
 iS 45 04.2 (ZNE)

eiP C 12 52 46.0 (Z)
 iS 53 12.3 (ZNE)

eP 15 11 20.0 (Z)

iP C 21 15 41.9 (Z)
 iS 16 12.4 (ZNE)

eiP 21 24 14.9 (Z)

iP D 21 39 13.0 (Z)

 C : Compresión

D : Dilatación

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