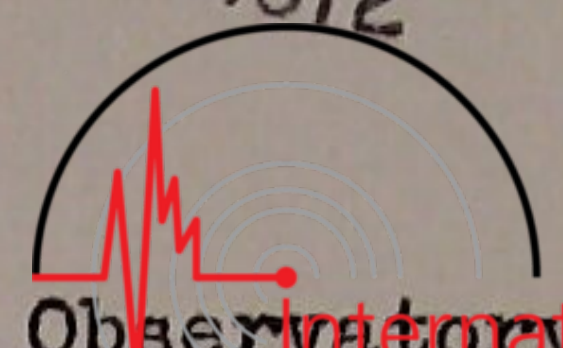


023

JAN 17 1972



Apia Observatory,
P.O. Box 52,
Apia, W. Samoa.
10 January, 1972.

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/1

Date	Time	Phase	Direction	Time	Time	Time	Date	Time	Phase	Direction	Time	Time	Time
DEC. 31		iP	Z	02	02	38	JAN. 3	eS	ZNE		17	25	40
		Dilatation						eL	E			33	20
		S	ZNE		03	08		eL	ZN			35	44
31		eiP	Z	05	45	12	3	iP	Z		20	50	02.3
		S	ZNE		46	40		Compression					
31		iP	Z	06	02	31.8		S	ZNE				22
		Dilatation					4	iP	Z		03	28	31.5
		S	ZNE		03	19		Dilatation					
31		e	Z	14	54	08		S	ZNE			38	00
		e	ZNE	15	02	36		i	ZN			42	52
31		iP	Z	22	47	25		L	ZNE			51	00
		Compression					4	iP	Z		11	22	17
JAN. 1		eiP	Z	08	44	43		Compression					
		S	ZNE		45	50		S	ZNE				35
1		eiP	Z	17	04	56	4	eiP	ZNE		20	10	08
		S	ZNE		05	40		S	ZNE			12	15
		T	ZNE		07	55	4	eP	Z		21	29	04
1		eiP	Z	21	26	24		S	ZNE			32	08
		S	ZNE		28	47	5	eiP	Z		12	11	42
1		P	ZNE	22	09	00		S	ZNE			13	13
		S	ZNE		11	28	5	e	E		14	22	40
1		eiP	ZNE	22	48	14		e	ZN			24	20
2		eL	ZNE	00	58	08	5	e	ZE		15	04	44
2		eiP	ZNE	04	11	55	6	iP	Z		00	37	12.5
		S	ZNE		14	07		Dilatation					
2		e(S)	NE	06	24	48		e	ZE			38	36
								eS	ZE			42	40
2		eP	Z	10	38	30		eL	NE			45	48
		S	ZNE		41	00		eL	Z			46	16
2		eiP	Z	18	40	55	6	iP	Z		12	16	33
		S	ZNE		43	42		Compression					
		(T)	ZNE		57	55		iS	ZNE			18	56
2		e(P)	Z	22	19	44	6	eiP	Z		15	41	12
		eL	N		30	20		S	ZNE			42	52
		L	ZE		32	52	6	e	ZE		17	37	40
2		eiP	Z	23	38	49	6	e	ZNE		19	55	40
		S	ZNE		39	25	6	eiP	Z		20	48	25
		T	ZNE		41	40		S	ZNE			50	30
3		ei(P)	Z	12	47	38							
		(S)	ZNE		51	40							
3		e(P)	Z	16	32	47							
		S	NE		35	00							

Seismograms interpreted
by I. Anapu.
M. Pasefika.

P.D. Muller
OBSERVER-IN-CHARGE

JAN 20 1972

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory,
P.O. Box 52,
Apia, W. Samoa
13 January, 1972.

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/2

JAN. 7	iP	Z	03	05	20	JAN. 9	eiP	Z	09	54	12
	Compression						S	ZNE		55	41
	iS	NE		06	56						
7	iP	Z	06	34	43	9	iP	Z	11	23	34
	Compression						S	ZNE			54
	S	ZNE		42	00						
	eL	N		49	32	10	e	E	19	27	04
	L	ZE		52	36		e	ZNE		28	28
7	ei(P)	Z	08	19	40	10	e	NE	21	08	40
							e	Z		10	08
7	eiP	Z	12	33	42						
	eS	ZNE		34	28	11	eiP	Z	02	31	48
							S	ZNE		33	20
7	eiP	Z	15	25	28						
	S	ZNE		26	37	11	eiP	Z	06	55	07
							S	ZNE		56	45
7	e	ZE	17	43	12						
7	iP	Z	21	17	28.5	11	e	E	22	12	48
	Compression										
	S	ZNE			50	12	iP	Z	06	25	49
							Compression				
							S	ZNE		26	09
8	eiP	Z	03	02	34						
	S	ZNE		03	22	12	eiP	Z	10	14	50
							S	ZNE		21	34
8	eiP	Z	03	09	07						
	S	ZNE		10	04	12	eiP	Z	10	44	23
	T	ZNE		14	10		S	ZNE		46	45
8	iP	Z	05	39	35.5						
	Dilatation										
	S	ZNE		49	16						
	e	NE		59	16						
	L	ZNE	16	02	32						
8	e	ZN	12	02	20						
	eL	ZN		22	32						
8	ei(P)	Z	18	27	07						
	(S)	NE		28	10						
	(T)	ZNE		30	30						
8	eiP	Z	21	38	40						
	e(S)	ZNE		43	20						
9	eP	Z	07	03	05						
	e(S)	ZNE		07	40						
9	eiP	Z	08	12	42						
	S	ZNE		13	27						
	T	ZNE		17	30						

Seismograms interpreted
by I. Anapu.
M. Pasefika.

P.D. Muller
OBSERVER-IN-CHARGE

JAN 27 1972

B 23 ✓

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory,
P.O. Box 52,
Apia, Samoa.
20 January, 1972.
International
Seismological
Centre

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

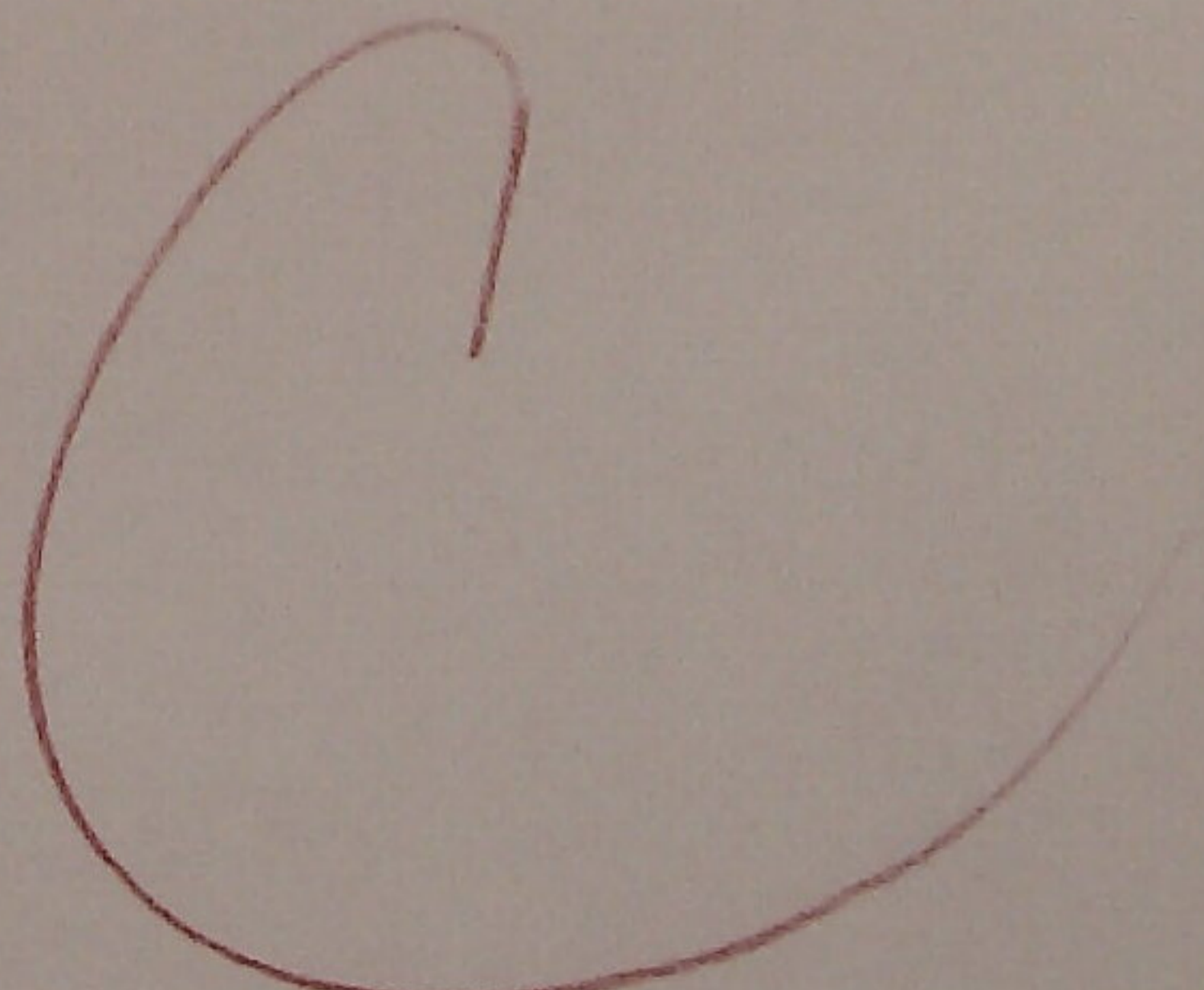
NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/3

JAN.	Time	Phase	Direction	Time	Time	Time	JAN.	Time	Phase	Direction	Time	Time	Time
13	06 04	iP	Z	44.5			17	16 14	iP	Z	57		
		Dilatation							Dilatation				
		S	ZNE	05 03					S	ZNE	15 16		
13	08 29	ei(P)	Z	41			18	01 43	ei(P)	Z	27		
13	14 58	eiP	Z	27					S	ZNE	44 35		
		S	ZNE	59 06									
		T	ZNE	15 02 10			18	13 16	L	ZN	40		
13	17 17	iP	Z	07.5			18	22 03	eiP	Z	20		
		Compression							i	ZE	05 08		
		S	ZNE	28					S	ZNE	09 48		
13	18 00	e	E	40					iL	N	13 56		
		e	ZN	08 12					iL	ZE	16 54		
14	04 27	eiP	ZNE	35			18	22 16	eiP	Z	20		
		S	ZNE	29 50			19	04 05	eL	N	40		
15	03 40	eiP	ZNE	26					eL	ZE	09 28		
		S	ZNE	41 16			19	15 08	eiP	Z	58		
15	04 21	eiP	Z	24					S	ZNE	15 32		
		S	ZNE	22 16					iL	N	18 56		
15	06 54	iP	Z	45			19	20 48	L	ZE	08		
		Dilatation							eL	ZN	12		
		S	ZNE	55 03									
15	20 48	iP	Z	22									
		S	ZNE	49 43									
15	21 15	eL	NE	40									
		eL	Z	19 32									
16	05 20	iP	Z	58.3									
		Dilatation											
		S	ZNE	21 24									
16	15 31	iP	Z	45.5									
		Compression											
		S	ZNE	32 03									
16	22 25	iP	Z	09.5									
		Compression											
		S	ZNE	39									
		T	ZNE	27 27									
16	23 59	eiP	Z	58									
		S	ZNE	00 12									
		T	ZNE	07 00									
17	06 23	(P)	Z	32									
		S	ZNE	25 16									

Seismograms interpreted
by I. Anapu,
M. Pasefika.

P.D. Muller
OBSERVER-IN-CHARGE



Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

FEB 3 1972 C 23 ✓

Apia Observatory,
P.O. Box 52,
Apia, W. Samoa.
27 January 1972
International
Seismological
Centre

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/4

JAN. 20	eiP Z	04	30	23	JAN. 24	eiP Z	04	00	29
	S ZNE		31	50		S ZNE		04	36
20	eiP Z	08	32	45		(L) ZE		05	56
	S ZNE		33	14	24	eL ZNE	06	15	40
20	iP Z	11	54	56	24	eL ZNE	15	33	40
	Compression				24	eiP Z	18	00	12
	S ZNE		56	51		eS ZNE		04	32
20	eiP Z	12	21	36		L ZNE		06	44
	S ZNE		22	16	24	eiP Z	19	41	04
	T ZNE		24	42		S ZNE		43	21
21	iP Z	18	10	21		T ZNE		50	32
	Dilatation				25	iP Z	02	17	58.5
	S ZNE			53		Compression			
21	eL ZN	22	39	08		iS ZNE		27	36
21	eiP Z	23	10	20		L ZNE		40	28
	S ZNE			44	25	P Z	03	53	02
22	eiP Z	13	21	10	25	eiP Z	08	23	35
	e Z		37	28		S ZNE		24	00
	e ZNE		43	48	25	iP Z	14	57	47
	eL ZNE		47	28		Compression			
22	eA(P) Z	18	12	23		S ZNE		58	08
22	iP Z	21	54	21.4	26	eiP Z	04	19	31
	Dilatation					S ZNE		21	04
	S ZNE		57	28	26	eiP Z	08	49	55
22	eiP Z	22	38	48		S ZNE		51	30
	S ZNE		39	36	26	eiP Z	19	26	14
23	eiP Z	12	56	27		S ZNE		27	41
	S ZNE		58	11	26	iP Z	23	02	33
23	eiP Z	17	23	27		Compression			
	S ZNE		27	22		S ZNE		04	19
23	eiP Z	18	08	45	26	iP Z	23	34	45.5
	eS ZE		12	48		Dilatation			
	S N		13	00		S ZNE		36	28
23	e ZE	20	03	08					
23	eiP Z	20	27	27					
	S ZNE		28	13					
23	iP Z	21	22	36.5					
	S ZNE		26	40					
24	(P) Z	03	29	48					
	S ZNE		35	20					
24	iP Z	03	40	48.5					
	(S) ZNE		55	28					

Seismograms interpreted
by: I. Anapu
M. Pasefika

P.D. Muller
OBSERVER-IN-CHARGE

FEB 15 1972

23 ✓

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND



Apia Observatory,
P.O. Box 52,
Apia, W. Samoa.
10 February 1972

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

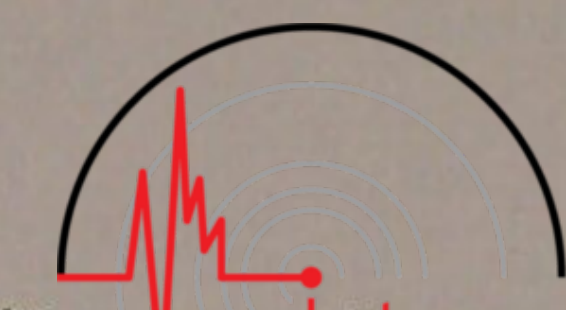
PRELIMINARY SEISMIC BULLETIN 72/6

FEB. 3	eiP e	ZNE N	08	43 51	12 56	FEB. 9	iP Compression eiS	Z ZNE	13	34	07 41
4	eL eL	ZE N	11	02 06	24 40	9	eiP	Z	13	54	38
4	eiP S	ZNE ZNE	11	12 13	45 17	9	iP Compression eS	Z ZNE	14	37	06.5 39 21
5	eiP eS eL L	ZNE ZNE NE Z	00	25 32 37 39	07 48 44 40	9	eiP eS	Z ZNE	20 21	57 07	07 36
5	eiP S	Z ZNE	11	57	38 57	9	e e e eL eL	Z NE ZE Z ZN E	21	13 19 22 24 30 33	04 36 56 40 16 36
5	eiP S T	Z ZNE ZNE	21	24	08 52 40	10	eP eS (T)	Z ZNE ZNE	00	39 42 53	58 22 12
6	eiP ei	Z ZNE	11	59	26 56	Seismograms interpreted by I. Anapu M. Pasefika					
6	eiP S	Z ZNE	15	13	26 45						
6	eiP	Z	22	12	45	P.D. Muller <u>OBSERVER-IN-CHARGE</u>					
7	eiP S	Z ZNE	04	21 23	13 25						
7	eiP (S)	Z E	05	55 58	49 10						
7	eiP S T	Z ZNE ZNE	19	05 06 08	29 20 50						
7	eP	Z	19	27	57						
7	eiP S	Z ZNE	20	33 34	58 32						
8	eiP S eT	ZNE ZNE ZNE	05	34 36 41	54 06 17						

FEB 25 1972

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory,
P.O. Box 52,
Apia, W. Samoa.
17 February 1972



STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/7

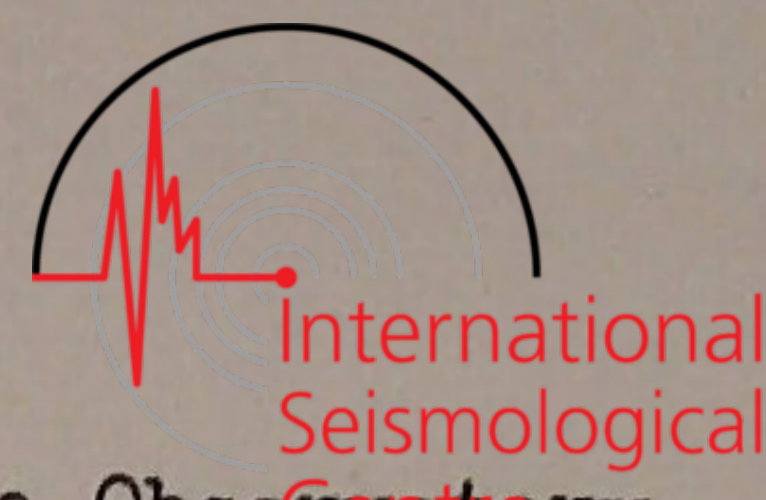
FEB.	Time	Type	Mag	Time	Type	Mag	FEB.	Time	Type	Mag	Time	Mag	
	10	eiP S	Z ZNE	03 09	07 02	19		14	iP Compression	Z	23	34	35
	10	eiP S	Z ZNE	05 57	55 42	18		15	eiP Compression S	Z ZNE	04	09	44.5
	10	iP Dilatation S	Z ZNE	07 39	38 35	53.5			<u>Felt at Apia</u>		10	10	
	10	eiP S T	Z ZNE ZNE	12 33	30 22	16 48		15	eiP Dilatation S	Z ZNE	07	06	52.5
	11	eiP S	Z ZNE	01 32	31 25	36		15	eP eS	Z ZNE	21	34	54 24
	11	eiP S	Z ZNE	03 42	41 37	50		16	eiP e(S)	Z ZNE	03	54	35.5 12
	11	L	ZNE	21	13	48		16	eiP S	Z ZNE	06	15	19 33
	12	eL	ZNE	09	47	20		16	e	ZN	10	08	16
	12	eiP Compression T	Z ZNE ZNE	18 56	52 38	32		16	eP (S)	Z ZNE	16	54	34 56
		<u>Felt at Apia</u>						17	eiP Compression eL	Z ZE	00	46	15.5 24
	12	eiP Compression S	Z ZNE	19 37	05	17.5							
	13	eS eL	NE ZNE	05 49	42 20	28							
	13	eiP S	Z ZNE	05 44	43 41	54							
	13	e	ZNE	09	01	12							
	13	e(L)	NE	10	14	24							
	13	eP iS	Z ZNE	13 07	04 28	55							
	13	eL eL	Z NE	22 39	38 28	52							

Seismograms interpreted
by I. Anapu
M. Pasefika

P.D. Muller
OBSERVER-IN-CHARGE

3/0/72 *

Geophysics Division
 DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
 NEW ZEALAND



Apia Observatory,
 P.O. Box 52,
 Apia, W. Samoa.
 24 February 1972

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/8

FEB.	17	eiP S T	ZNE ZNE ZNE	21	13	12	FEB.	21	eiP S T	ZNE ZNE ZNE	03	57	09
						31						59	23
					15	00					04	10	20
	18	eiP S T	ZNE ZNE ZNE	12	24	16		21	iP Compression S	Z ZE	06	07	10
						43						12	28
					26	22							
	18	iP Dilatation S	Z ZNE	13	07	18.5		21	P e eL	Z N ZN	19	46	00
					09	27					20	06	44
	18	eiP	Z	19	23	47		21	iP Dilatation e(S)	Z NE	23	46	58
	19	iP Compression eS	Z ZNE	08	04	42						48	27
					09	48		22	eiP S	Z ZNE	17	39	20
												40	50
	19	iP Compression S	Z ZNE	14	42	01		23	iP Compression S	Z ZNE	00	14	40
					44	24						15	02
	20	eiP S T	ZNE ZNE ZNE	04	41	21		23	iP Dilatation S	Z ZNE	04	39	55.4
					43	45						40	45
					53	11							
	20	L	ZNE	06	40	24		23	<u>iP</u> Compression Felt II at Apia.	Z	18	19	31.2
	20	eiP	Z	13	33	06							
	20	eP eS eS	Z N ZE	14	14	25		23	iP Compression S	Z ZNE	19	16	38
					18	24						17	00
					19	20							
	20	eiP S	Z ZNE	16	25	28							
					26	19							
	20	ei(P) ei(S)	Z ZNE	16	27	04							
					28	21							
	21	iP Dilatation S	Z ZNE	00	22	48.5							
					23	12							
	21	eiP S	Z ZNE	03	51	43							
					52	47							

Seismograms interpreted
 by I. Anapu
 M. Pasefika

P.D. Muller
OBSERVER-IN-CHARGE

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND



Apia Observa Centre
P.O. Box 52,
Apia, W. Samoa.
24 February 1972

AFI

STATION: AFIAMALU
LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres
INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72
NOMINAL SHORT PERIOD MAGNIFICATION: 12500
NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/8

FEB.	17	eiP S T	ZNE ZNE ZNE	21	13	12		FEB.	21	eiP S T	ZNE ZNE ZNE	03	57	09
					15	00						04	10	20
	18	eiP S T	ZNE ZNE ZNE	12	24	16		21	iP Compression S	Z ZE		06	07	10
						43							12	28
					26	22								
	18	iP Dilatation S	Z ZNE	13	07	18.5		21	P e eL	Z N ZN		19	46	00
					09	27						20	06	44
	18	eiP	Z	19	23	47		21	iP Dilatation e(S)	Z NE		23	46	58
	19	iP Compression eS	Z ZNE	08	04	42							48	27
					09	48		22	eiP S	Z ZNE		17	39	20
													40	50
	19	iP Compression S	Z ZNE	14	42	01		23	iP Compression S	Z ZNE		00	14	40
					44	24							15	02
	20	eiP S T	ZNE ZNE ZNE	04	41	21		23	iP Dilatation S	Z ZNE		04	39	55.4
						43							40	45
					53	11								
	20	L	ZNE	06	40	24		23	iP Compression Felt II at Apia.	Z		18	19	31.2
	20	eiP	Z	13	33	06								
	20	eP eS eS	Z N ZE	14	14	25		23	iP Compression S	Z ZNE		19	16	38
					18	24								
					19	20							17	00
	20	eiP S	Z ZNE	16	25	28								
					26	19								
	20	ei(P) ei(S)	Z ZNE	16	27	04								
					28	21								
	21	iP Dilatation S	Z ZNE	00	22	48.5								
					23	12								
	21	eiP S	Z ZNE	03	51	43								
					52	47								

Seismograms interpreted
by I. Anapu
M. Pasefika

P.D. Muller
OBSERVER-IN-CHARGE

MAR 08 1972

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory,
P.O. Box 52,
Apia, W. Samoa.
2 March, 1972.

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/9

DATE	TYPE	COMPONENT	TIME	AMPLITUDE	PERIOD	DATE	TYPE	COMPONENT	TIME	AMPLITUDE	PERIOD
FEB. 24	eiP S	Z ZNE	15	55 58	18 36	FEB. 29	eiP S	Z ZNE	12	18 19	53 36
25	e e L	NE ZN ZN	01 02	59 04 08	32 28 08	29	eP S T	Z ZNE ZNE	13 14	58 59 00	38 15 48
25	iP Dilatation S	Z ZNE	08	47 49	02.5 19	MAR. 1	eiP S (L) T	Z ZNE ZNE ZNE	09	05 06 07 10	57 16 46 36
25	eiP S	Z ZNE	09	43	04 35	1	eiP eS e L	Z ZNE NE ZNE	09	40 49 57 59	04 28 16 56
25	eL	ZN	13	55	40						
26	e(P)	Z	13	57	37						
27	eiP S	Z ZNE	08	44 45	43 04						
28	iP Compression S	Z ZNE	02	02	29 49						
28	e(P)	Z	14	26	30						
28	iP Compression S	Z ZNE	16	19	24.5 45						
28	e eL	N ZE	18	46 49	40 40						
28	eiP eS	Z ZNE	22	24 26	45 30						
29	eiP S T	Z ZNE ZNE	02	05 06 08	53 20 05						
29	eiP S e i L	Z ZNE Z NE ZNE	09	33 42 46 49 52	38 20 36 32 20						
Code about 2 hours											
29	e(PKP)	Z	10	02	33						
29	eiP S T	Z ZNE ZNE	11	49 50 54	46 44 40						

Seismograms interpreted
by I. Anapu.
M. Pasefika.

P.D. Muller
OBSERVER-IN-CHARGE

FEB 9 1972

C23
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Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory,
P.O. Box 52,
Apia, W. Samoa.
3 February 1972
International
Seismological
Centre

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/5

Month	Day	Time	Phase	Direction	Time	Time	Time	Month	Day	Time	Time	Time
JAN.	27	03 15 01	eiP S	Z ZNE	03 15 01	56		JAN.	30	20 20 43	22 15	
	27	04 31 25	eiP (S)	Z NE	04 31 25	32 08			31	00 43 36	44 55	
	27	04 33 40	ei(P) S	Z ZNE	04 33 40	34 44			31	03 32 55	33 14	
	27	17 53 55	eiP (S)	Z ZNE	17 53 55	57 14			31	18 05 28		
	28	01 20 40	i	ZNE	01 20 40				31	19 09 10	11 09	
	28	09 07 41	eiP S	Z ZNE	09 07 41	08 29		FEB.	1	02 43 11	48 04	49 46
	28	16 27 05	eiP S	Z ZNE	16 27 05	28 38			1	05 20 34.7	57	
	29	01 49 35	eiP S T	Z ZNE ZNE	01 49 35	51 30 59 34			1	08 29 27	31 32	
	29	05 26 41.5	iP Dilatation S	Z ZNE	05 26 41.5	27 57			1	10 46 47.2		
	29	06 33 44	e e e	Z NE Z	06 33 44	38 32 40 36			1	12 10 13	54	
	29	07 47 05	eiP S T	Z ZNE ZNE	07 47 05	48 05 51 32			1	14 11 32		
	29	16 59 38	eiP S	Z ZNE	16 59 38	17 01 07			1	15 22 40		
	29	22 46 57	eiP S	Z ZNE	22 46 57	49 15			1	16 10 52		
	30	02 26 19	iP Dilatation S	Z ZNE	02 26 19	27 39			2	15 13 13	14 08	
	30	02 29 09	ei(P) (S)	Z ZNE	02 29 09	30 31			2	22 01 19	02 01	

P.D. Muller
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MAR 17 1972

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory
P.O. Box 52
Apia, Western Samoa
9 March, 1972

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/10

MAR.	Time	Type	Dir	Mag	Mag	MAR.	Time	Type	Dir	Mag	Mag
2	04 05 20	ei(P)	ZNE			8	03 55 12	eP	Z		
2	09 04 15.5	iP	Z				04 03 08	S	ZNE		
		Compression					07 32	eL	ZE		
		S	ZNE		33		09 48	eL	N		
2	10 11 56	e	ZNE			8	06 40 31	eP	Z		
2	16 59 00	P	Z				44 00	S	NE		
	17 00 57	S	ZNE				45 20	iS	Z		
2	20 20 45	eP	Z			8	08 36 18	eP	Z		
	40 28	eL	ZE				37 04	S	ZNE		
3	12 02 00	P	Z			8	13 30 33	eiP	Z		
	15	S	ZNE				32 16	eS	ZNE		
4	03 00 54	eiP	Z			8	16 12 50	eiP	ZNE		
	02 49	S	ZNE				15 25	eS	ZNE		
4	04 23 27	iP	Z			8	17 35 56	eiP	ZNE		
		Compression					36 39	S	ZNE		
		eS	ZNE		28 54		39 40	T	ZNE		
4	06 28 04	iP	Z			8	18 06 27	eiP	ZNE		
	51	S	ZNE				07 10	S	ZNE		
5	07 47 36	iP	Z			8	18 16 59	eP	Z		
	48 00	Dilatation					17 42	S	ZNE		
		S	ZNE								
5	08 40 26	eP	Z								
	41 09	S	ZNE								
	43 44	eT	ZNE								
6	00 28 47	eiP	ZNE								
	30 30	eS	ZNE								
6	06 39 42	eP	Z								
6	17 14 57	ei(P)	Z								
6	17 16 46	eiP	Z								
	17 31	S	ZNE								
6	17 40 52	eiP	Z								
	42 10	(S)	ZNE								
6	17 43 10	eiP	Z								
	46 44	eS	NE								
7	04 41 44	eiP	Z								
	43 55	eiS	ZNE								
7	07 48 45	eiP	Z								
	51 36	S	ZNE								
	59 40	T	ZNE								

Seismograms interpreted
by I. Anapu,
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P.D. Muller
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C23

MAR 22 1972

Geophysics Division
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NEW ZEALAND

Apia Observatory
P.O. Box 52,
Apia, W. Samoa.
16 March 1972
International
Seismological
Centre

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/11

MAR.	9	eiP iS iS	Z NE Z	04	50 51	09 56 08	MAR.	11	iP Dilatation S	Z ZNE	15	55 56	55 39
	9	eiP S	Z ZNE	05	58 59	52 35		11	iP Compression S	Z ZNE	21	16 17	38 00
	9	eP S T	Z ZNE ZNE	12	02 05	04 40 22		12	P S	Z ZNE	20	25 53	00
	9	eP eS	Z ZNE	14	18 20	22 05		13	eiP S	Z ZNE	05	43 45	31 37
	9	eP S	Z ZNE	17	55 56	50 32		13	eiP S	Z ZNE	08	37 39	57 10
	10	eiP eS eS	Z NE Z	02	38 41 43	17 48 14		13	iP Compression S	Z ZNE	17	14 35	12
	10	e e	Z NE	03	13 14	40 32		13	iP Compression S	Z ZNE	20	11 12	58 18
	10	eiP S e	Z ZNE ZNE	04	26 27	13 56 12		14	eiP S	Z ZNE	07	18 19	21 56
	10	e(P)	Z	09	13	31		14	e(P)	Z	13	53	43
	10	eP S T	Z ZNE ZNE	13	12 13 19	11 24 30		14	eP	Z	14	25	32
				15	56 58	05 19		15	e(L)	ZN	11	53	24
	10	eP e(S)	Z NE	15	56 58	05 19		15	eP eS e(T)	Z ZNE ZNE	15	02 05 21	30 52 30
	10	eiP S eT	Z ZNE ZNE	23	13 14 17	46 28 32		15	eiP S	Z ZNE	17	17 18	48 19
	11	eP	Z	03	30	21		15	eP S	Z ZNE	20	58 59	58 42
	11	e(P) e e eL	Z ZN ZNE ZNE	04	01 14 19 29	20 28 28 48		16	iP Dilatation eS	Z ZNE	00	31 33	57.5 48

P.D. Muller
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MAR 30 1972

MAR 30 1972

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

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Apia, W. Samoa.
23 March, 1972.

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/12

MAR. 16	e	E	05	43	20	MAR. 20	eP	Z	23	42	26
	e	Z		47	08		e	ZE		50	08
16	eP	Z	21	03	11		e	N		51	20
	eiS	ZNE			55		e(L)	E		56	16
17	iP	Z	00	24	15.6		eL	ZN	00	01	16
	Dilatation					20	iP	Z	23	45	44
	S	ZNE		26	29		S	ZNE		48	00
	T	ZNE		30	56		T	ZNE		52	33
17	eiP	Z	05	16	20	21	e(P)	Z	13	27	57
	S	ZNE		17	06		eS	ZNE		29	10
17	e	NE	05	39	16	21	eiP	Z	22	59	45
	e	Z		40	16		eiS	ZNE	23	00	15
17	eP	Z	15	08	31	22	iP	Z	00	23	42
	eS	ZNE		09	16		Compression				
18	e(P)	Z	08	36	18		S	ZNE		24	03
	e(S)	ZNE		37	46	22	eiP	ZNE	08	31	13
18	eP	Z	15	41	15		eS	ZNE		32	36
	eS	ZNE		42	57		(L)	ZNE		33	20
18	eP	ZNE	23	28	19		eT	ZNE		39	11
	e	ZN		37	28	22	eiP	Z	08	51	23
	e	E		44	44		S	ZNE		52	50
	eL	ZNE		47	40		e	E		53	16
19	iP	Z	04	06	17.5		eT	ZNE		59	46
	Compression					22	iP	Z	10	38	40.4
	eiS	ZNE		07	46		Dilatation				
19	eP	Z	04	57	04		iPoP	Z		39	14
	eS	ZNE		58	52		eiPP	Z		41	16
19	iP	Z	16	08	53		iS	ZNE		47	40
	Dilatation						eL	E		55	44
	e(S)	ZNE		18	18		iL	ZN		59	12
	e	N		23	14	22	eP	Z	11	06	42
	e(L)	E		25	54	22	eiP	Z	15	55	15
	eL	ZN		28	44		S	ZNE		56	35
20	eiP	Z	01	49	07		(L)	ZNE		57	00
	(S)	ZNE		50	40		T	ZNE	16	02	20
20	iP	Z	07	47	05	22	eP	Z	23	12	23
	Dilatation						eS	ZNE		13	35
	eS	E		57	38						
	eS	ZN		58	08						
	e	ZE	08	04	36						
	e	N		12	20						
	eL	ZNE		17	18						
20	e(P)	Z	17	00	24						
	eL	ZE		27	36						

Seismograms interpreted
by I. Anapu.
M. Pasefika.

"
P.D. Muller
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APR 5 1972

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory,
P.O. Box 52,
Apia, W. Samoa
30 March, 1972.



STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/13

DATE	TIME	MAGNITUDE	DEPTH (km)	LOCATION	TYPE	DATE	TIME	MAGNITUDE	DEPTH (km)	LOCATION	TYPE
MAR. 23	07 17	20.6			iP Compression S Felt at Apia	MAR. 26	09 44				eP S
		32					05 36				Z Compression eS
							07 37				ZNE
23	08 27	57.1			iP Compression S		11 14				Z Dilatation S
							15 54				ZNE
23	09 08	05			eiP S		17 56				Z Dilatation S
		23					21 50				ZNE
23	23 53	32			eiP eiS		24 58				Z Dilatation S T
		54					27 25				ZNE
24	03 49	49			eP S		28 02				Z Dilatation S
		59					05 20				ZNE
	04 07	48			e eL		16 20				ZNE
		40					28 09				Z Compression S
24	06 09	34			iP Compression S		12 38				Z Compression S
							15 05				ZNE
	11 08						18 53				ZNE
25	01 06	59			iP Dilatation (S)		21 18				Z Compression S
							28 38				ZNE
	07 30						29 16				Z Compression S
25	05 28	33			eiP S T		18 41				Z Compression S
		30					22 41				ZNE
		36					28 18				ZNE
25	10 22	53.5			iP Compression iS		15 05				Z Compression S
							16 33				ZNE
	23 16						18 15				ZNE
25	12 23	05			P (S) L		18 15				Z Compression S
		28					18 33				ZNE
		44					18 15				ZNE
		31					18 15				ZNE
25	13 39	24			eP ei(S)		18 15				Z Compression S
		41					18 15				ZNE
		15					18 15				ZNE
25	19 27	35.5			iP Compression S		18 15				Z Compression S
							18 15				ZNE
		55					18 15				ZNE
25	23 11	00			P S iS e L		18 15				Z Compression S
		19					18 15				ZNE
		48					18 15				ZNE
		20					18 15				ZNE
		16					18 15				ZNE
		27					18 15				ZNE
		40					18 15				ZNE
		31					18 15				ZNE
26	08 11	04			iP Dilatation S		18 15				Z Compression S
							18 15				ZNE
		23					18 15				ZNE

Seismograms interpreted
by I. Anapu,
M. Pasefika.

P.D. Muller
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R1030

APR 12 1972

International
Seismological
Centre

Apia Observatory,
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Apia, W. Samoa.
6 April, 1972.

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/14

MAR. 30	eP S	Z ZNE	02	34 35	13 55	APR. 2	P S	ZNE ZNE	14	33	02 24
30	iP Compression S	ZNE ZNE	05	37 39	50 36	2	P (S)	ZNE ZNE	15	37	15 44
30	L	ZNE	11	42	00	2	eP	Z	18	23	39
30	eP S	Z ZNE	14	57 59	08 31	2	eP (S)	ZNE ZNE	21	34 39	53 00
30	P S	ZNE ZNE	16	01 03	02 27	3	eP S T	ZNE ZNE ZNE	00	31 33	18 45 30
30	eP S	Z ZNE	19	30 31	43 35	3	eP S T	ZNE ZNE ZNE	07	07 08 10	48 14 02
30	eP (S)	Z ZNE	19	53 56	48 39	3	P S T	ZNE ZNE ZNE	08	18 19 21	50 14 09
31	e eL	E ZNE	16	21 24	00 56	3	P S T	ZE ZNE ZNE	11	51	53
31	eP S	ZNE ZNE	20 21	59 02	55 18	3	iP Dilatation S	ZNE ZNE	21	40	59
APR. 1	eP S	ZNE ZNE	11	02 04	49 19	4	eP S	Z ZNE	00	33 35	46 23
1	eP S L T	ZNE ZNE E ZNE	15	43 45 51	46 06 28	4	P S T	ZNE ZNE ZNE	13	02 03 04	41 08 55
1	iP Compression i S L L	ZN ZN ZNE NE Z	23 00	59 00 05 08 10	02.2 40 16 16 48	4	iP Compression S	ZNE ZNE	16	51	20 36
2	eP	Z	00	25	23	4	eP S	ZNE ZNE	18	33	05 31
2	eP	Z	00	46	39	4	iP Dilatation	ZNE	22	52	50
2	eP S	Z ZNE	04	22 57	09 57	4	i(pP) S (sS)	Z ZNE E	23	00 03	53 45 16
2	eP S	ZNE ZNE	04	53 56	22 38	5	eP S	ZNE ZNE	01	50 51	52 19
2	iP Dilatation S	ZNE ZNE	09	01 02	58 25	5	P S T	ZNE ZNE ZNE	04	07 09	03 31 02
2	eP S	Z ZNE	10	56 57	32 57						
2	eP S	Z ZNE	14	11 12	56 22						

P.D. Muller
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R1030

APR 12 1972

Geophysics Division
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
NEW ZEALAND

Apia Observatory,
P.O. Box 52,
Apia, W. Samoa.
6 April, 1972.

International
Seismological
Centre

AFI

STATION: AFIAMALU

LATITUDE: 13° 54' 33.6"S LONGITUDE: 171° 46' 38.1"W ELEVATION: 705.6 metres

INSTRUMENT: WORLD WIDE STANDARD SEISMOGRAPH SYSTEM No. 72

NOMINAL SHORT PERIOD MAGNIFICATION: 12500

NOMINAL LONG PERIOD MAGNIFICATION: 750

PRELIMINARY SEISMIC BULLETIN 72/14

MAR. 30	eP	Z	02	34	13	APR. 2	P	ZNE	14	33	02
	S	ZNE		35	55		S	ZNE			24
30	iP	ZNE	05	37	50	2	P	ZNE	15	37	15
	Compression						(S)	ZNE			44
	S	ZNE		39	36						
30	L	ZNE	11	42	00	2	eP	Z	18	23	39
30	eP	Z	14	57	08	2	eP	ZNE	21	34	53
	S	ZNE		59	31		(S)	ZNE		39	00
30	P	ZNE	16	01	02	3	eP	ZNE	00	31	18
	S	ZNE		03	27		S	ZNE			45
							T	ZNE		33	30
30	eP	Z	19	30	43	3	eP	ZNE	07	07	48
	S	ZNE		31	35		S	ZNE		08	14
30	eP	Z	19	53	48		T	ZNE		10	02
	(S)	ZNE		56	39						
31	e	E	16	21	00	3	P	ZNE	08	18	50
	eL	ZNE		24	56		S	ZNE		19	14
							T	ZNE		21	09
31	eP	ZNE	20	59	55	3	P	ZE	11	51	53
	S	ZNE	21	02	18						
PR. 1	eP	ZNE	11	02	49	3	iP ^D	ZNE	21	40	59
	S	ZNE		04	19		Dilatation				
							S	ZNE		41	23
1	eP	ZNE	15	43	46	4	eP	Z	00	33	46
	S	ZNE		45	06		S	ZNE		35	23
	L	E			44						
	T	ZNE		51	28	4	P	ZNE	13	02	41
							S	ZNE		03	08
1	iP ^C	ZN	23	59	02.2		T	ZNE		04	55
	Compression										
	i	ZN	00	00	40	4	iP ^C	ZNE	16	51	20
	S	ZNE		05	16		Compression				
	L	NE		08	16		S	ZNE			36
	L	Z		10	48	4	eP	ZNE	18	33	05
2	eP	Z	00	25	23		S	ZNE			31
2	eP	Z	00	46	39	4	iP ^D	ZNE	22	52	50
2	eP	Z	04	22	09		Dilatation				
	S	ZNE			57		i(pP)	Z		53	29
2	eP	ZNE	04	53	22		S	ZNE	23	00	45
	S	ZNE		56	38		(sS)	E		03	16
2	iP ^D	ZNE	09	01	58	5	eP	ZNE	01	50	52
	Dilatation						S	ZNE		51	19
	S	ZNE		02	25	5	P	ZNE	04	07	03
2	eP	Z	10	56	32		S	ZNE			31
	S	ZNE			57		T	ZNE		09	02
2	eP	Z	14	11	56						
	S	ZNE		12	22						

P.D. Muller
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