

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY
AUSTRALIA



PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

JAN 1975

CODE MUN

LATITUDE 31° 58.7' S
ELEVATION 253 m

LONGITUDE 116° 12.5' E
FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak	
SP Z	1.0	0.75	25K	43K at 0.6 Sec.
SP N	1.0	0.75	25K	43K at 0.6 Sec.
SP E	1.0	0.75	25K	43K at 0.6 Sec.
LP Z	15	100	750	800 at 25 Sec.
LP N	15	100	375	400 at 25 Sec.
LP E	15	100	375	400 at 25 Sec.
SP Z	1.0	0.04	14K	340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240	2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240	2040 0.2 Sec.

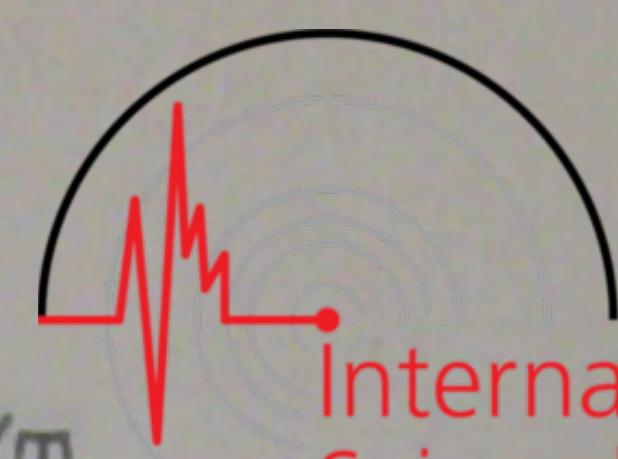
ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA

Date 1975 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T

MUNDARING (MUN)

JANUARY.

*01	eP		04 13 57
*01	eP		12 32 33
*01	eP		15 12 48
*01	eP		20 30 41
02	eP		05 54 28
	e		56 06
02	eP		09 11 32
02	eP		14 25 31
	e		26 15
02	eP		22 48 30
*03	iP	C	00 39 34.1
*03	iP	D	05 22 59.7
*03	eP		05 56 57
*04	eP		02 09 39
*04	iP	D	04 47 27.3
*04	eP		06 45 27
*04	eP		20 45 42
*04	iP	D	21 31 06.1
*04	eP		22 57 44
*05	eP		12 52 52
05	eP		15 00 32
*05	eP		16 01 46
05	eP		21 14 22
06			NIL
*07	eP		03 05 53
*07	iP	C	07 56 18.2
*08	iP	C	02 05 13.0
*08	eP		03 27 19
*09	eP		08 55 47
*10	eP		08 22 38
	eS		24 19
*10	iP	C	19 30 31.7
*11	eP		06 42 51
*11	iP	D	11 19 11.2
*12	eP		06 46 24
*12	iP	C	16 23 32.2
*12	eP		17 56 49
*13	iP	D	00 58 10.4
*13	eP		02 28 20
13	eP		03 50 38
13	eP		06 26 31
*13	eP		07 01 58
*13	eP		23 05 43
*14	eP		06 44 58
*14	iP	D	19 55 06.1
*15	eP		11 45 03
*15	eP		20 34 56
*16	eP		03 25 50
*16	eP		05 34 10
*17	iP	D	09 40 56.0
*17	iP	C	10 34 18.5
*18	iP	D	09 01 42.5
*18	eP		10 34 51
*19	eP		08 13 30
	e		23 01
*20	eP		07 09 25
*20	iP	D	07 53 40.2
*20	eP		08 37 21
*20	eP		08 45 20



Date 1975	Phase	Dir	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MUNDARING (MUN) Cont. (2)

JANUARY.

*20	iP	C	13 44 43.6			
	e		48 37			
*20	iP	C	17 42 24.9			
*21	iP	C	00 29 48.4			
*21	eP		01 50 31			
*21	eP		03 39 30			
22			NIL			
*23	eP		03 47 03			
*23	iP	C	04 03 58.9			
*23	eP		05 56 47			
*23	eP		08 14 35			
24			NIL			
*25	iP	D	02 28 27.9			
26	eP		19 36 04			
23	eP		20 55 28			
*27	iP	D	15 14 52.5			
	e		18 44			
28			NIL			
29			NIL			
30			NIL			
*31	eP		01 47 58			
*31	eP		02 45 28			
*31	eP		06 45 43			
*31	iP	D	12 49 42.0			

Meckering

* Sent by telex to N.E.I.C.

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MUNDARING GEOPHYSICAL OBSERVATORY
AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

FEB 1975

CODE MUN

LATITUDE 31° 58.7' S

LONGITUDE 116° 12.5' E

ELEVATION 253 m

FOUNDATION Precambrian granite

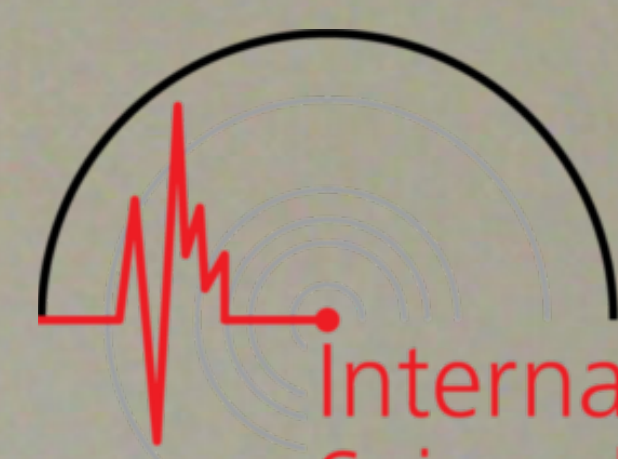
COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
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LP N	15	100	375 400 at 25 Sec.
LP E	15	100	375 400 at 25 Sec.
SP Z	1.0	0.04	14K 340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240 2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA

MAY 6 1975



Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
MUNDARING (MUN)						
FEBRUARY.						
*01	eP		08 32 08			
*01	iP	D	14 30 19.2			
*01	eP		16 24 32			
*01	eP		19 50 40			
*02	eP		08 10 57			
*02	eP		08 57 25			
*02	iP	D	16 00 59.8			
*02	eP		17 44 26			Local
	e		44 39			
*02	eP		23 06 03			
*03	iP	D	01 22 47.1			
*03	eP		07 01 17			Local
	e		01 20			
*03	iP	C	15 53 11.4			
*03	iP	D	16 51 23.0			
*04	eP		11 47 32			
*04	eP		23 55 50			
*05	iP	C	07 00 17.1			
*05	eP		17 52 27			
*05	eP		18 32 22			
06			NIL			
*07	iP	D	04 59 14.9			
	eS		05 16			
*07	eP		05 35 09			
*07	eP		06 28 30			
*07	iP		16 55 12.7			
*08	iP	D	07 59 07.0			
	eS		04 26			
*08	eP		09 11 38			
*08	eP		11 41 38			
*09	eP		04 51 03			
*09	iP	C	05 48 22.5			
*09	eP		07 54 28			
*09	iP	D	17 18 42.2			
*10	iP	C	04 19 01.0			
*10	iP	C	06 02 07.8			
*10	eP		19 17 50			
*10	eP		19 30 12			
*11	eP		22 15 52			
	e		17 06			
12			NIL			
*13	iP	D	01 10 19.4			
*14	eP		17 37 26			
*15	eP		03 20 04			
*15	eP		06 27 30			
*15	eP		07 47 11			
*15	eP		08 28 40			
16	eP		05 05 50			
*17	iP	C	03 47 34.3			
17	eP		06 44 34			Local
18			NIL			
*19	iP	D	12 13 27.0			720 km NW
	e		16 55			Broome
*20	eP		22 37 45			
	e		37 51			
	e		41 40			



Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T	
<u>MUNDARING (MUN)</u> Cont. (2)							
FEBRUARY.							
*21	eP		00 00 11				
*22	eP		01 06 50				
*22	eP		02 52 58				
*22	eP		02 48 29				
*22	eP		05 44 03				
*22	eP		09 06 06				
*22	iP	D	22 13 43.8				
23	eP		00 54 54				Local
*23	iP	D	03 05 28.8				
23	eP		07 17 32				Local
*23	eP		07 43 12				
*23	eP		10 12 16				
*24	iP	D	18 27 35.5				
*25	eP		03 28 35				
*25	eP		05 27 31				
*26	eP		12 47 43				
*26	eP		14 37 05				
27	eP		07 28 38				Manmanning
27	eP		08 44 17				Manmanning
*27	iP	C	14 31 24.1	1.0	300mu	2.4	
*27	eP		17 49 59				
*27	iP	D	18 52 05.9	0.9	720mu	2.9	
27	eP		22 46 52				Manmanning
*28	eP		01 59 18				
*28	eP		06 35 42				
28	eP		06 44 31				
28	eP		08 09 25				
*28	eP		12 16 21				Manmanning
*28	eP		20 57 14				Meckering

* Sent by telex to N.E.I.C.

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PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

MAR 1975

CODE MUN

LATITUDE 31° 58.7' S
ELEVATION 253 m

LONGITUDE 116° 12.5' E
FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
SP E	1.0	0.75	25K 43K at 0.6 Sec.
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LP N	15	100	375 400 at 25 Sec.
LP E	15	100	375 400 at 25 Sec.
SP Z	1.0	0.04	14K 340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240 2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA

JUN 23 1975



Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/t
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MUNDARING (MUN)

MARCH.

01	eP		02 04 53			Manmanning
*01	eP		05 59 46			
01	eP		07 53 38			Manmanning
01	eP		14 22 38			Meckering
01	eP		17 43 20			Meckering
*02	eP		12 27 33			
02	eP		19 38 20			
*03	iP	C	02 24 39.0			
*03	eP		10 00 12			
*03	iP	C	19 34 26.0	0.8	30mu	1.5
04	iP	D	04 16 08.7			
*04	eP		11 23 54			
*05	eP		00 28 34			Indonesia
*06	eP		04 48 25			
*06	eP		05 38 03			
06	eP		09 34 53			
*06	eP		10 35 49			
*06	eP		19 51 39			
*06	eP		21 44 40			
*06	eP		22 00 32			
*07	iP	D	23 55 31.2			Fitzroy Crossing
	eS		58 24			
*07	iP	D	02 40 51.9			
*07	eP		07 17 02			
*08	eP		07 55 20			
*08	eP		09 42 22			
*09	eP		08 24 07			
10	eP		10 24 54			
*10	eP		12 19 56			
*10	eP		15 50 07			
*10	eP		21 07 51			
*11	eP		00 31 49			Meckering
11	eP		18 40 10			
12	iP		20 10 09.0			Local
	iS		10 33.9			
*13	iF	D	08 20 10.3			
*13	eP		15 45 30			
*13	iP	D	18 54 09.6			
*13	eP		23 59 55			
14	eP		04 13 02			
14	eP		07 46 27			
*14	eP		19 53 21			
*14	eP		20 05 48			
*15	eP		02 22 56			
*15	eP		16 11 24			
16			NIL			
*17	iP	C	19 05 13.4			
*17	eP		22 18 01			
*17	eP		23 29 10			
*18	eP		07 01 05			
*18	iP	C	17 40 40.1			
*19	iP	C	13 53 10.0			
*20	eP		02 44 59			
*20	iP	C	16 12 20.4			
21			NIL			
22			NIL			



Date 1975 Phase Dir. G.M.T. Per. (Sec.) Amp.

MUNDARING (MUN) Cont. (2)

MARCH.

*23	iP	D	07 42 04.7			
*23	eP		11 50 34			
23	eP		15 50 23			
*24	eP		05 45 32			
*24	eP		07 19 40			
24	eP		07 43 51			
*24	iP	D	15 34 27.9			
*25	eP		04 17 35			
*25	eP		07 00 02			
*25	iP	C	21 14 14.9			
26	eP		07 48 50			
26	eP		09 14 25			
*26	eP		23 26 26			
27	eP		00 12 41			
27	eP		07 43 48			
27	eP		09 29 38			
27	eP		10 14 22			
*27	iP	D	15 47 09.2			
*27	eP		16 51 26			
*28	eP		08 12 46			
	e		17 44			
*29	eP		07 41 52			
*29	eP		09 48 14			
*30	iP	D	22 43 37.4	LZ 20.0	11 u	
				LN 20.0	7.5 u	
				LE 20.0	6 u	
*31	eP		10 17 40			
*31	eP		10 52 29			

Koolyanobbin bla

* Sent by telex to N.E.I.C.

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AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

APR 1975

CODE MUN

LATITUDE 31° 58.7' S
ELEVATION 253 m

LONGITUDE 116° 12.5' E
FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
SP E	1.0	0.75	25K 43K at 0.6 Sec.
LP Z	15	100	750 800 at 25 Sec.
LP N	15	100	375 400 at 25 Sec.
LP E	15	100	375 400 at 25 Sec.
SP Z	1.0	0.04	14K 340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240 2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA



Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MUNDARING (MUN)

APRIL.

01			Nil			
*02	eP		08 55 00			
*02	iP	D	10 41 42.1			
*03	iP	6	03 22 56.9			
*04	eP		05 59 26			
*04	eP		11 36 40			
*05	eP		20 58 22			
*06	eP		08 36 01			
*06	eP		10 08 26			
*07	eP		08 07 45			
*07	eP		22 18 48			
*08	eP		11 56 45			
*09	iP	C	06 34 17.9	1.0	800mu	2.0
	eS		40 39			
*09	iP	C'	07.46 35.8			
	eS		47 11			
*10	eP		15 27 59			
*10	eP		16 59 04			
*11	eP		00 15 59			
*11	iP	D	11 51 58.5			
*12	eP		06 45 14			
*12	eP		13 30 49			
*12	eP		14 34 58			
	e		35 16			
*12	iP	C	20 59 06.8			
	e		59 51			
*13	iP	C	01 41 38.0	1.0	560mu	2.7
*13	iP	C	02 13 01.6			
	i		13 07.1			
*14	eP		04 00 10			
*14	iP	C	07 35 32.1			
*14	iP	C	13 09 46.1			
15			NIL			
*16	iP	C	05 06 07.8			
*16	eP		21 46 09			
17			NIL			
*18	iP	D	10 12 29.2			
*18	iP	C	16 36 30.3			
	eS		37 56.5			
*19	eP		01 34 01			
*19	eP		06 35 05			
*20	iP	D	14 52 19.8			
*21	iP	C	23 10 50.1			
*22	eP		06 25 16			
*23	iP	D	07 57 06.8			
*23	iP	D	08 34 23.7			
*23	eP		11 34 28			
*23	eP		15 06 31			
*23	iP	D	23 14 08.5			
24			NIL			
*25	iP	D	15 37 08.1			
*26	eP		21 47 00			
*27	eP		05 49 50			
*27	eP		07 18 15			
27	eP		08 15 14			
*27	eP		13 53 22			
*27	eP		21 34 09			

Date
1975

Phase Dir.

G.M.T.

(Per.
(Sec.)

Amp.

LogA/T

International
Seismological
Centre

MUNDARING (MUN) Cont. (2)

APRIL.

*27	eP		22 33 25
*28	eP		04 29 30
*28	eP		11 18 25
*28	eP		11 47 17
*28	eP		14 35 48
*28	eP		17 52 23
*28	eP		18 08 39
*29	eP		08 50 09
*29	eP		08 57 42
*29	eP		13 07 34
*29	iP	D	15 28 45.6
*29	eP		17 38 35
*29	eP		22 55 46
*30	eP		04 14 13
30	eP		04 22 01

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PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

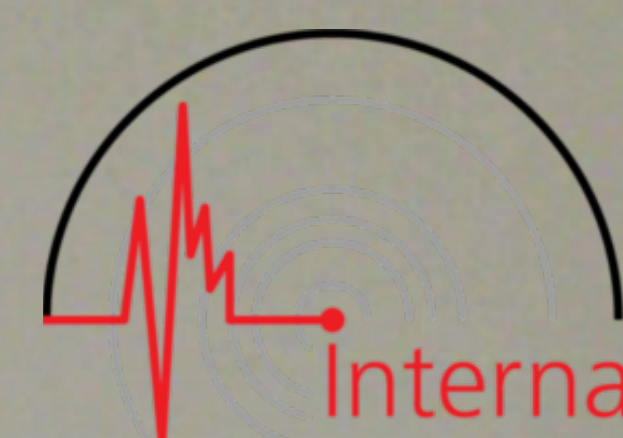
MAY 1975

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GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA.



Date	Phase	Dir.	G.M.T.	Per. (sec.)	Amp.	LogA/T
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MUNDARING (MUN)

MAY.

*01	eP		03 41 28			
*01	eP		06 43 47			
*01	eP		12 45 17			
01	iP	C	13 33 39.6			Manmanning
	iS		33 57.2			
*01	eP		14 36 51			
*01	eP		14 39 45			
*02	iP	D	12 10 54.3			Local
	iS		11 03.7			
02	eP		15 22 40			
*02	eP		23 53 14			
*03	eP		01 01 40			
*03	eP		01 32 19			
*03	eP		05 45 27			
*03	eP		06 54 28			
03	eP		07 00 29			
*04	iP	D	09 43 28.7			
05	eP		04 31 26			Local
*05	eP		05 29 50			
*05	eP		20 38 05	0.9	129mu	2.2
*06	eP		05 27 42			
06	eP		06 50 48			Local
*06	eP		10 29 14			
*07	eP		03 39 34			
07	eP		03 49 47			Local
*07	eP		04 05 06			
07	eP		07 44 14			Local
*08	eP		20 43 18			
*09	eP		18 44 22			
*09	eP		19 15 19			
10	iP	D	14 07 01.7			Meckering
*10	eP		14 42 06			
*11	eP		00 49 32			Lake McKay.
12			NIL			
*13	eP		09 44 21			
*13	iP	C	21 25 24.5			
*14	eP		10 10 23			
15			NIL			
16			NIL			
*17	iP	C	00 54 05.3			
*18	eP		10 03 46			
*18	eP		16 01 36			
*19	eP		00 04 16			
20	eP		08 24 18			
20	eP		12 12 10			
*20	eP		14 40 58			
*20	eP		15 18 23			
*20	eP		15 48 02			
20	eP		17 36 16			
*20	iP	C	21 38 03.8			
	eS		41 59			
*21	iP	C	03 26 17.1			
*22	eP		05 02 22			
*22	eP		20 55 28			



Date	Phase	Dir.	G.M.T.	Per.	Amp.	LogA/T
1975				(sec.)		

MUNDARING (MUN) Cont. (2)

MAY.

*23	iP	C	16 11 21.0			
*24	iP	D	02 04 04.2			
*24	eP		06 04 39			
24	eP		10 02 12			Local
24	eP		10 47 29			Local
*24	eP		14 29 23			Local
*24	eP		23 20 44			
*24	eP		23 50 10			
25			NIL			
*26	iP	C	04 44 53.0	1.0	220mu	2.3
*26	ePKP		09 31 17			
	e.		52 48			
27	eP		10 25 05			
28			NIL			
*29	iP	D	06 55 00.0			
*29	iP	D	14 53 15.0			
*30	eP		17 51 50	LZ	20.0	43 u
	eS		55 01			
*30	eP		18 15 05			
	eS		18 33			
*30	eP		19 24 40.5			
	eS		28 24			
31			NIL			

* Sent by telex to N.E.I.C.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

JUN 1975

CODE MUN

LATITUDE 31° 58.7' S
ELEVATION 253 m

LONGITUDE 116° 12.5' E
FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
SP E	1.0	0.75	25K 43K at 0.6 Sec.
LP Z	15	100	750 800 at 25 Sec.
LP N	15	100	375 400 at 25 Sec.
LP E	15	100	375 400 at 25 Sec.
SP Z	1.0	0.04	14K 340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240 2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA.

Date 1975	Phase	Dir.	G.M.T.	Per. (sec.)	Amp.	LogA/T
<u>MUNDARING (MUN)</u>						
JUNE.						
01			NIL			
02			NIL			
*03	iP	D	05 29 04.8			
*03	eP		18 16 19			
*04	eP		02 36 15			
*04	eP		04 41 10			
05			NIL			
*06	iP	D	01 17 36.8			
*06	iP	C	05 27 01.4			
*07	eP		17 07 56			
*08	eP		03 39 51			
*09	eP		03 18 02			
*09	eP		11 23 29			
*09	eP		14 47 11			
09	eP		16 34 55			
*09	eP		19 59 32			
*10	eP		02 53 03			
*10	iP	D	09 09 31.7			
*10	eP		10 19 55			
*10	eP		12 00 34			
*10	eP		13 59 29			
*10	eP		14 50 12			
*10	eP		19 18 32			
11			NIL			
12			NIL			
*13	eP		06 16 47			
13	eP					
*13	eP		18 20 23			
*14	eP		04 15 41			
*14	eP		18 35 11			
*14	eP		18 50 12			
*14	eP		23 47 55			
15	iP	D	04 51 39.2			
*16	eP		22 43 12			
17			NIL			
*18	eP		02 58 36			
*18	eP		03 19 12			
18	eP		08 25 52			
*18	eP		12 22 20			Local
*18	iP	C	16 41 03.0			
19			NIL			
*20	eP		08 43 11			
21			NIL			
*22	iP	C	02 34 45.6			
*22	eP		10 09 23			
	e		14 03			
*23	iP	D	09 35 14.0			
24 -25			NIL			
*26	eP		10 02 31			
27			NIL			
*28	iP	C	11 25 35.0			
	eS		29 25			
*29	iP	C	10 48 06.6			
*30	eP		08 59 36			

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BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY
AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

JUL 1975

CODE MUN

LATITUDE 31° 58.7' S
ELEVATION 253 m

LONGITUDE 116° 12.5' E
FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
SP E	1.0	0.75	25K 43K at 0.6 Sec.
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SP Z	1.0	0.04	14K 340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240 2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA.



Date 1975	Phase	Dir.	G.M.T.	Per. (sec.)	Amp.	LogA/T
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MUNDARING (MUN)

JULY

01-02

NIL

*03	eP		01 31 34			
*03	eP		07 45 33			
*04	eP		02 17 29			
*04	eP		04 41 50			
*04	eP		06 12 56			
*04	iP	D	11 35 48.1			
*04	eP		20 45 19			

05-07

NIL

*08	iP	C	12 14 12.2	0.9	700mu	2.9
	eS		22 01			

08

	iP	D	14 02 42.3			
	iS		02 52.1			
*08	iP	D	22 57 20.9			
*09	eP		14 08 19			

Meckering

	e		12 17			
*10	iP	C	18 36 39.6			
	eS		42 36			

*11	iP	D	19 02 51.0			
-----	----	---	------------	--	--	--

*12	iP	D	19 14 21.0			
-----	----	---	------------	--	--	--

*13	eP		09 39 07			
-----	----	--	----------	--	--	--

13

	iP		11 23 30.9			
--	----	--	------------	--	--	--

Local

*14	iP	D	14 48 44.8			
-----	----	---	------------	--	--	--

*14	eP		23 34 16	LZ	20.0	63 u
-----	----	--	----------	----	------	------

				LN	20.0	9 u
--	--	--	--	----	------	-----

				LE	20.0	46 u
--	--	--	--	----	------	------

New Guinea

15

NIL

*16	eP		18 27 17			
-----	----	--	----------	--	--	--

eS

35 03

17

	iP	D	23 07 32.1			
--	----	---	------------	--	--	--

Local

iS

07 41.7

18

NIL

19

NIL

*20	iP	C	14 45 45.0	1.0	5000mu	2.7
-----	----	---	------------	-----	--------	-----

Bougainville

eS

52 10

*20	eP		20 02 31			
-----	----	--	----------	--	--	--

Bougainville

eS

08 56

*20	iP	C	23 13 21.9			
-----	----	---	------------	--	--	--

*21	eP		00 14 30			
-----	----	--	----------	--	--	--

*21	iP	C	02 12 07.4	LZ	20.0	83 u
-----	----	---	------------	----	------	------

Bougainville

eS

18 36

				LN	20.0	14 u
--	--	--	--	----	------	------

				LE	20.0	57 u
--	--	--	--	----	------	------

*21	iP	C	02 47 02.8	LZ	20.0	214 u
-----	----	---	------------	----	------	-------

Bougainville

eS

53 32

				LN	20.0	63 u
--	--	--	--	----	------	------

				LE	20.0	186 u
--	--	--	--	----	------	-------

21

	eP		21 41 19			
--	----	--	----------	--	--	--

*22	iP	C	04 58 22.9			
-----	----	---	------------	--	--	--

*22	iP	C	13 39 47.2			
-----	----	---	------------	--	--	--

*22	iP	C	19 28 21.5	LZ	20.0	43 u
-----	----	---	------------	----	------	------

Bougainville

eS

34 52

				LN	20.0	11 u
--	--	--	--	----	------	------

				LE	20.0	26 u
--	--	--	--	----	------	------

Date 1975	Phase	Dir.	G.M.T.	Per. (sec.)	Amp.	LogA/T
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MUNDARING (MUN) Cont. (2)

JULY.

*23	eP		23 30 49	LZ	20.0	11 u	Bougainville
				LN	20.0	11 u	
				LE	20.0	6 u	
24	iP	D	19 10 32.8		0.8	167mu	2.3
24	iP		21 55 00.3				Spencers Brook
	iS		55 08.4				
*24	iP	D	22 26 27.9		0.5	10mu	1.3
	eS		28 27				Marble Bar
25			NIL				
*26	eP		06 12 39				
*27	eP		05 56 21				
*28	eP		08 52 57	LZ	20.0	29 u	
	eS		59 34	LN	20.0	9 u	
				LE	20.0	23 u	
29			NIL				
*30	eP		09 22 14				
	eS		26 24				
*30	eP		10 28 45				
	eS		32 52				
*31	iP	C	08 49 41.1				
*31	eP		15 22 29				
	i		22 36.4				
	eS		26 19				
*31	eP		16 32 31				
	i		32 37.2				

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BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY
AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

AUG 1975

CODE MUN

LATITUDE 31° 58.7' S

LONGITUDE 116° 12.5' E

ELEVATION 253 m

FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
SP E	1.0	0.75	25K 43K at 0.6 Sec.
LP Z	15	100	750 800 at 25 Sec.
LP N	15	100	375 400 at 25 Sec.
LP E	15	100	375 400 at 25 Sec.
SP Z	1.0	0.04	14K 340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240 2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING . W.A. 6073
AUSTRALIA.

Date Phase Dir. G.M.T.

1975

Per.
(sec.)

Amp.

LogA/T

International
Seismological
Centre

MUNDARING (MUN)

AUGUST.

*01	eP		12 21 08			
*01	iP	C	14 50 58.9	0.9	64mu	1.9
*01	eP		22 18 12			
*01	iP	D	23 34 58.9.			
02-03			NIL			
*04	eP		23 29 22			
*05	iP	C	03 02 43.3			
*05	iP	C	11 53 47.6			
*05	eP		16 28 57			
*06	eP		22 32 11			
	e		33 43			
*07	eP		03 18 32			
*07	iP	C	13 35 17.3			
	e		36 09			
*07	iP	D	20 20 55.8			
*08	eP		04 45 37			
*08	eP		06 03 59			
*08	iP	D	16 00 09.9			
*09	eP		07 43 07			
*10	iP	D	10 44 25.6			
	e		46 03			
*10	eP		16 02 10			
	eS		05 55			
*10	iP	C	17 36 01.0			
11			NIL			
*12	eP		14 31 16			
13			NIL			
*14	eP		17 17 08			
*14	iP	D	17 51 44.0			
	e		57 37			
*15	eP		07 01 50			
*16	iP	D	07 33 14.5			
*16	eP		09 09 29			
17	eP		03 18 15			
*17	iP	D	03 40 23.8	0.8	236mu	2.4
18			NIL			
*19	eP		06 57 17			
*19	eP		08 23 16			
*19	eP		15 16 47			
*19	eP		18 09 11			
*20	iP	D	20 27 58.1			
*21	eP		05 37 33			
*21	eP		06 55 59			
*21	iP	C	09 54 47.4			
22			NIL			
*23	iP	C	04 12 47.9			
*23	eP		15 14 35			
*23	iP	C	19 22 24.2			
	iS		22 42.0			
*23	iP	D	19 47 04.0			
24	eP		13 58 37			
*25	eP		11 31 51			
	eS		34 22			
25	iP		22 02 27.0			
	iS		02 38.0			

Local

Manmanning
ML = 3.5

Local



International
Seismological
Centre

Date	Phase	Dir.	G.M.T.	Per. (sec.)	Amp.	LogA/T
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MUNDARING (MUN) Cont. (2)

AUGUST.

*26	eP		12 29 20			
*27	iP	D	02 44 51.2			
28			NIL			
*29	iP	D	07 12 26.6			
*29	eP		08 00 01			
*29	eP		20 48 15			
30			NIL			
31			NIL			

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BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY
AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

SEP 1975

CODE MUN

LATITUDE $31^{\circ} 58.7' S$

LONGITUDE $116^{\circ} 12.5' E$

ELEVATION 253 m

FOUNDATION Precambrian granite

COMPONENT	To	Tg	MAGNIFICATION	
	(Seconds)	(Seconds)	at To	Peak
SP Z	1.0	0.75	25K	43K at 0.6 Sec.
SP N	1.0	0.75	25K	43K at 0.6 Sec.
SP E	1.0	0.75	25K	43K at 0.6 Sec.
LP Z	15	100	750	800 at 25 Sec.
LP N	15	100	375	400 at 25 Sec.
LP E	15	100	375	400 at 25 Sec.
SP Z	1.0	0.04	14K	340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240	2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240	2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING . W.A. 6073
AUSTRALIA.

Date 1975 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T

MUNDARING (MUN)

SEPTEMBER

Date	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T	Location
01			NIL				
*02	iP	D	15 36 52.1	1.0	1040mu	3.0	
	eS		40 43				
*03	eP		23 24 11				
	e		29 39				
04	iP	D	18 40 27.9				Manmanning
	iS		40 45.5				
04	iP	D	20 41 34.3				Manmanning
	iS		41 52.0				
04	iP	D	20 45 53.3				Manmanning
	iS		46 11.0				
*05	eP		04 45 43				
*05	eP		06 12 21				
*06	eP		14 14 02				
*06	eP		09 33 50	LZ 20.0	10 u		Turkey
	e		37 56	LN 20.0	4 u		
				LE 20.0	9 u		
07	iP		06 36 41.5				70km E Narrogin
	iS		37 06.5				
08			NIL				
*09	eP		07 19 34				
*09	eP		23 29 50				
*10	eP		08 11 07				
*11	iP	D	12 24 05.3				Meckering
	iS		24 15.1				
12			NIL				
*13	iP	C	11 23 37.2				
14			NIL				
15			NIL				
*16	eP		00 08 26				
*17	iP	C	03 10 05.8				
18			NIL				
*19	iP	D	03 43 08.9				Indonesia
	eS		48 04				
19	iP	C	12 55 11.2				Local
20			NIL				
21	eP		13 32 43				
22	iP	C	04 07 43.0				Manmanning
	iS		08 02.0				
22	iP		07 24 43.0				Manmanning
	iS		25 02.0				
23	eP		04 44 10				
23	eP		10 17 55				
*24	iP	C	01 58 13.0				
*25	iP	C	08 31 13.9				
*25	iP	D	12 39 49.8				
	e		44 57				
26			NIL				
27	eP		00 26 39				Local
27	eP		07 37 51				
*28	iP	D	04 05 15.5	0.7	100mu	2.2	
*28	iP	D	09 22 51.0				
*28	eP		21 56 16				
	eS		59 11				
*29	eP		13 52 02				
*29	eP		14 18 52				
*29	eP		14 42 52				
*29	iP	C	15 12 42.2				
30	eP		15 54 57				
30	eP		18 23 55				

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

OCT 1975

CODE MUN

LATITUDE 31° 58.7' S

LONGITUDE 116° 12.5' E

ELEVATION 253 m

FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
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ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA



Date 1975	Phase	Dir.	G.M.T.	Per. (sec.)	Amp.	LogA/T	
MUNDARING (MUN)							
OCTOBER.							
*01	eP		15 49 57				
*01	eP		18 23 55				
*02	iP	D	03 51 06.7	LZ LN	20 20	355 u 400 u	Indonesia.
*02	iP	D	09 13 57.3				
*02	iP	D	18 09 42.6				
03	iP		01 10 54.3				
	iS		11 11.8				
*03	eP		05 26 21	LZ	23	17 u	
	eS		36 13	LN LE	23 23	6 u 11 u	
*03	eP		11 54 14				
	eS		56 32				
*03	eP		13 15 30				
	e		20 18				
*03	eP		17 43 32				
*04	iP	D	03 43 33.5				
*04	eP		21 47 46				
*05	eP		15 38 38				
*06	iP	D	10 01 06.1				
*06	iP	C	22 33 07.0				
	eS		40 16				
*07	iP	C	06 46 36.2		1.0	300mu	2.4
*07	iP	D	06 56 10.9				Local.
	eS		56 20.5				
*07	eP		08 51 00				
08			NIL				
09			NIL				
*10	iP	D	14 00 22.3				Local
*11	eP		07 37 31				
*11	iP	D	09 54 32.8				
*11	iP	C	11 29 22.8				Local
*11	iP	C	11 52 26.0				Local
*11	iP	C	14 45 21.9				Brookton.
*11	eP		18 08 48				
12			NIL				
*13	eP		15 51 06				
14	eP		09 01 09				
*14	iP	D	14 58 38.8				
*15	eP		11 01 00				
*16	eP		17 43 54				
*17	iP	C	03 37 25.6				
*17	eP		16 22 23				
*17	eP		19 57 57				
*18	eP		01 02 20				
*18	eP		01 04 01				
*18	eP		01 27 05				
*18	eP		07 39 30				
*18	iP	C	09 18 32.6				
*18	eP		09 29 28				
19			NIL				
20			NIL				
*21	iP	C	12 18 35.4				
*21	eP		17 20 22				
*21	iP	D	20 38 06.8				
*21	eP		22 31 10				
*21	eP		23 14 21				
*22	iP	C	11 51 28.2				
*22	eP		15 07 51				
*22	eP		18 27 16				

Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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International
Seismological
Centre

MUNDARING (MUN) Cont. (2)

OCTOBER.

*23	eP		05 01 29		
*23	eP		06 48 43		
*23	eP		21 56 49		
*23	eP		23 26 10		
24			NIL		
*25	eP		14 31 15		
25	iP	C	16 51 02.9		
	iS		51 20.9		
*26	iP	D	10 49 00.0		
*26	eP		20 18 44		
*27	iP	C	18 34 23.9		
28	iP	D	20 36 02.8		
29			NIL		
*30	eP		01 53 22		
*30	iP	D	10 13 48.9		
*30	eP		12 22 11		
*31	eP		07 46 55		
*31	iP	D	08 36 15.0		

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BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

NOV 1975

CODE MUN

LATITUDE $31^{\circ} 58.7' S$

LONGITUDE $116^{\circ} 12.5' E$

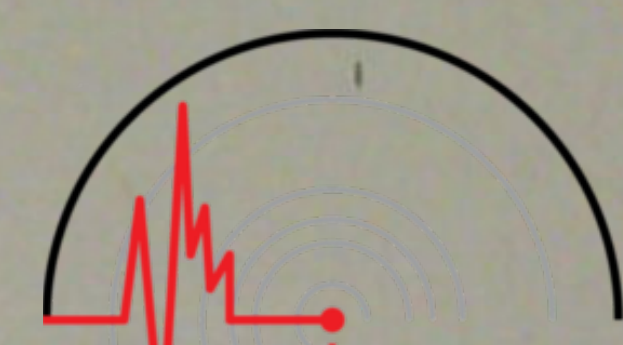
ELEVATION 253 m

FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
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LP Z	15	100	750 800 at 25 Sec.
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SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
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ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA

Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
<u>MUNDARING (MUN)</u>						
NOVEMBER.						
*01	iP	D	01 26 40.7			
*01	iP	C	06 24 23.0			
*01	iP	C	18 51 12.0	0.6	610mu	3.0
*02	eP		02 47 47			
*03	eP		07 43 06			
*03	eP		08 06 16			
*03	eP		09 25 42			
*03	eP		14 52 28			
04			NIL			
*05	eP		09 47 31			
*05	eP		10 48 13			
*06	eP		01 39 26			
*06	eP		09 21 25			
06	eP		20 48 14			
*07	eP		02 57 23			
*07	eP		05 53 30			
07	eP		08 12 08			
*08	eP		11 09 16			
*08	iP	C	15 00 56.6			
*08	eP		18 02 43			
*08	eP		18 55 27			
*09	eP		18 05 11			
*09	iP	C	20 43 13.3			
*10	iP	D	18 09 52.5			
11			NIL			
*12	eP		06 55 12			
*12	eP		18 04 29			
*13	eP		22 07 17			
*14	eP		10 25 14			
*14	eP		14 09 55			
*15	eP		15 47 58			
*15	iP	C	20 47 47.1			
*16	eP		05 21 45			
*16	eP		14 35 37			
17	eP		07 50 18			
*17	eP		08 38 46			
*17	eP		08 47 53			
18			NIL			
*19	eP		03 42 32			
*19	eP		06 27 17			
*19	eP		14 11 00			
*20	iP	D	00 56 12.0			
20	eP		09 08 41			
20	eP		20 03 26			
*21	eP		01 34 48			
*21	eP		03 08 06			
*21	iP	C	04 51 03.7			
*21	eP		07 56 33			
*22	eP		01 39 54			
*22	eP		02 41 48			
22	eP		20 39 40			
*23	iP	C	00 44 40.6			
*23	eP		04 47 59			
24			NIL			
*25	eP		08 14 50			





Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MUNDARING (MUN) Cont. (2)

NOVEMBER

26	eP		07 43 10			Explosion
*26	eP		11 47 33			
26	eP		21 23 47			Meckering
	eS		23 57			
*27	eP		04 18 13			
	e		19 55			
27	eP		05 38 01			Local
	eS		38 20			
27	eP		20 38 36			Local
	eS		38 48			
*28	eP		01 15 13			
*28	eP		08 42 14			
*29	eP		01 26 07			
*29	eP		10 59 26			
*30	eP		03 56 18			
	e		59 12			
	e		12 14			
30	eP		22 26 27			

*Sent by telex to N.E.I.S.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY
AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MUNDARING

DEC 1975

CODE MUN

LATITUDE 31° 58.7' S

LONGITUDE 116° 12.5' E

ELEVATION 253 m

FOUNDATION Precambrian granite

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	0.75	25K 43K at 0.6 Sec.
SP N	1.0	0.75	25K 43K at 0.6 Sec.
SP E	1.0	0.75	25K 43K at 0.6 Sec.
LP Z	15	100	750 800 at 25 Sec.
LP N	15	100	375 400 at 25 Sec.
LP E	15	100	375 400 at 25 Sec.
SP Z	1.0	0.04	14K 340K at 0.2 Sec.
SP S	0.8	(Wood Anderson)	1240 2040 0.2 Sec.
SP E	0.8	(Wood Anderson)	1240 2040 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA

Date 1975	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
<u>MUNDARING (MUN)</u>						
DECEMBER.						
*01	eP		12 15 13			
*01	eP		18 41 03			
*02	eP		16 05 46			
*02	eP		16 10 36			
*02	eP		20 28 23			
*02	eP		23 29 15			
03	iP	D	11 17 39.9			Local
	iS		17 53.8			
*03	eP		17 14 44			
*04	iP	C	15 17 56.4			
*05	eP		07 48 50			
*05	iP	C	14 32 15.0			
*05	eP		20 26 23			
*06	eP		05 22 01			
*06	eP		05 27 19			
06	eP		15 29 09			Local
*07	iP	C	04 10 25.6			
08			NIL			
*09	iP	D	01 30 02.9	0.8	111mu	2.1
	e		30 39			
	e		34 58			
	e		35 19			
09	eP		08 58 06			
09	eP		09 25 27			
09	eP		13 43 12	0.8	48mu	1.7
*10	eP		02 19 28			
*10	eP		03 37 49	0.9	40mu	1.7
*10	eP		22 39 14			
11	eP		04 56 38			Local
	eS		56 47			
*11	eP		05 25 01			
12	iP	D	06 17 11.7			Local
*12	iP	C	13 17 45.2			
*12	iP	C	13 42 53.5			
*13	iP	C	22 45 39.9			
14	iP		14 07 31.3			Local
	iS		07 41.1			
*14	eP		20 57 01			
15-16			NIL			
*17	eP		05 43 08	1.0	455mu	2.6
*17	eP		07 50 12	1.0	255mu	2.4
	e		51 56			
*18	eP		00 30 53	1.0	96mu	2.0
	e		31 21			
*19	eP		02 23 14			
*19	eP		05 03 46			
19	eP		09 49 22			
19	eP		14 54 37			
20	eP		01 45 11			
*20	eP		10 53 36			

Date	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MUNDARING (MUN) Cont. (2)

DECEMBER.

*20	iP	D	12 00 03.3			
*20	eP		20 29 21			
*21	iP	C	11 06 14.4			
	e		08 16			
*22	iP	D	02 38 28.0			
23			NIL			
*24	eP		12 01 16			
*24	eP		15 06 16			
*25	iP	D	05 29 50.8			
*25	eP		06 26 46			
*25	iP	D	23 29 21.0			
*26	iP	D	16 07 23.4			
*27	eP		01 44 52			
*27	iP	D	09 13 41.4			
*27	iP	C	23 45 29.2			
*28	eP		15 29 47			
	eS		34 20			
*29	eP		03 52 50			
*29	eP		05 18 11			
*29	eP		09 43 10			
*29	iP	D	16 37 39.1			
*29	eP		16 59 32			
*30	eP		07 40 28			
	eS		45 09			
*31	eP		07 14 29			
*31	eP		14 13 41			
*31	eP		17 38 25			

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