

MELBOURNE OBSERVATORY GROUP
BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

Box 2831AA, G.P.O.,
MELBOURNE. VIC.

PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

April 1966

20 eP	NEZ	02 42 31	
e	Z	42 41	
e	Z	42 57	
e(S)	E	50 23	
e	E	56.6	
e	N Z	58.2	
20 eP	NEZ	06 10 18	
e	Z	11 16	
e(S)	E	18 12	
c	E	24 32	
e	NE	30.4	
e	N Z	37.1	
20 c(P)	NEZ	06 52(36)	
20 eP	NEZ	07 30 39.5	local
20 e(P)	Z	14 11(05)	
e	Z	11 10	
20 eP	NEZ	16 35 57	
e	Z	36 09	
e	Z	36 22	
e	E	37 09	
eS	NE	41 48	
e	N	50.0	
20 eP	Z	17 00(49)	
e	NEZ	00 52	
21 eP	NEZ	07 13 45	local
21 eP	NEZ	07 26 35	local
eS	NEZ	26 42	
21 eP	Z	13 00 45	
21 i(P)	Z	15 57 10.5	
e(S)	E	16 06 17	
21 iP	NEZ	16 19 03.7	dil. 1.8
e(S)	N	25.2	
21 eP	EZ	16 48 25	
22 e(S)	E	03 31.6	
e	NE	38.0	
e	NEZ	52.0	
22 iP	NEZ	13 27 58.5	
eS	NEZ	28 45	
eL	NEZ	29 00	
22 iP	NEZ	17 01 34.7	
23 iP	NEZ	00 17 25.3	dil. N.
e(pP)	NEZ	17 34	
e(sP)	EZ	17 39	
e	N Z	19 11	
iS	NE	23 59	
e	NEZ	26 45	
23 eP	NEZ	03 24 18	
23 eP	NEZ	03 57 03	
23 iP	NEZ	05 27 21.4	comp.

TOOLANGI (continued)

April 1966

23 eP	NEZ	05 41 50	
23 iP	NEZ	05 51 46.0	dil.E.
23 iP	NEZ	06 03 40.7	dil.
23 iP	EZ	06 54 40.4	comp.W. 1.9
i	NEZ	54 43	
e	Z	54 48	
e	EZ	54 53	
e	EZ	55 09	
e	EZ	55 31	
iS	NEZ	58 47	
e	NE	59 10	
e	E	07 01 35	
e	N	02 07	
T max.	NEZ	14.5	
23 iP	NEZ	09 04 37.1	comp.S. 2.6
e	NEZ	04 44	
e	EZ	04 50	
e	Z	06 23	
e	NEZ	06 28	
iS	NEZ	11 01	
e	NE	14 03	
e	N	16 17	
e	NE	19 40	
e	N	23 17	
23 eP	EZ	14 27 36	
23 iP	NEZ	17 26 49.6	comp. S.W.
iS	NEZ	27 00	strong local
23 iS	NEZ	17 27 23	strong local
P phase in coda of preceeding.			
23 iP	NEZ	21 15 04.3	comp.
24 iP	NEZ	03 34 33.4	dil.
e	Z	34 42	
24 iP	NEZ	07 08 24.3	dil.
24 eP	Z	19 48 37	
24 eP	NEZ	20 50 45	
e	N Z	52 21	
25 iP	N Z	05 04 07.0	comp.
25 iP	NEZ	10 48 06.1	dil. N.E. 2.7
iScP	Z	53 17	
25 eP	NEZ	12 09 59	
e	N Z	10 21	
26 eP	NEZ	08 00 32	
26 iP	NEZ	17 31 18.3	
26 iP	NEZ	19 40 16.3	comp. S. 1.5
26 eP	NEZ	21 57 36	local
eS	NEZ	57 45	
27 iP	NEZ	21 39 00.6	dil.
i	N Z	39 12	

P.T.O.

WILKES

April 1966

19	eP	08 42 12
19	iP	15 29 07.3
19	iP	19 11 29.2
22	iP	16 49 15.2
23	iP	00 20 20.0
	iPP	22 26.0
	eS	29 08
	eSSS	36 28
23	iP	06 57 33.9
	eS	07 03 54
23	iP	09 07 25.4
	eS	16 12
	eSSS	23 32
27	iP	21 42 28.7

MACQUARIE ISLAND

April 1966

23	iP	00 19 55.4
23	iP	06 53 32.2

MAWSON

April 1966

22	iP	03 17 44.3
22	iP	12 24 36.2
23	iP	00 21 28.3
23	iP	06 59 44.2
23	iP	09 08 39.9
25	iP	10 53 15.2
27	iP	21 44 17.3
28	iP	01 24 30.3
28	iP	02 11 50.8

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PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

April 1966

28	iP	NEZ	00 23 49.0	dil. E.
28	iP	NEZ	01 19 45.0	dil. 2.4
	i	NEZ	19 46	
	e(S)	NEZ	22 52	
	e	NEZ	23 13	
	e	NE	23 42	
	e	N Z	24.1	
	eT	NEZ	33.0	
	T max.	NEZ	37.0	

28	eP	NE	17 03 54
	eS	NE	13 35
	e(PPS)	N	14 34
	e	N	16 47
	e(LR)	NEZ	29.0

28	eP	NE	17 21 05
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29	eP	NEZ	15 53 33
----	----	-----	----------

30	iP	NEZ	07 34 22.6	local
	eS	NEZ	34 37.5	

30	eP	NEZ	19 29 08
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May 1966

1	eP	NEZ	01 15 06	
1	iPn	NEZ	05 09 34.5	regional
	eP*	NEZ	09 38.5	felt
	ePg	EZ	09 43	
	eSn*	NEZ	10 08	
	eS	NE	10 11.5	

1	eP	NEZ	10 57 26
	e	Z	57 54
	e(S)	E	11 06.5
	e	N	07.3

1	eP	EZ	12 14 48
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1	eP	NEZ	13 03 57
	e	N Z	04 16
	e	Z	18.5

1	eP	NEZ	13 21 32
	e	Z	21 35
	e(S)	E	30.2
	e	NE	34 10
	e	NEZ	36 26
	e	NE	37.3

1	eP	EZ	16 41 31
	e	EZ	42 13
	e	E	52.9
	e	NE	59 31

1	eP	Z	18 41 31
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1	eP	NEZ	23 30 41
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2	eP	NEZ	05 35 35	local
	eS	NEZ	35 52	

2	eP	NEZ	05 48 42	local
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TOOLANGI(continued)

May 1966

2	eP	NEZ	09 59 08
	e	N Z	59 23
	e	NEZ	10 00 18
	eS	NE	04 15
	eScS	N	05 33
	eLR	E	07.5
	M	N Z	11.3

2	iP	NEZ	10 59 55.5
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2	eP	NEZ	12 12 41
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2	iP	NEZ	12 13 53.5
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2	iP	NEZ	16 47 10.1	dil.
	e	Z	49 14	
	iScP	Z	52 56	
	e	Z	56 33	

3	eP	NEZ	01 22 06
---	----	-----	----------

3	eP	NEZ	07 26 32	local
---	----	-----	----------	-------

3	eP	NEZ	18 52 14
---	----	-----	----------

3	iP	NEZ	19 08 19.6	dil. N.E. felt
	e	NEZ	08 24	
	iS	NE	08 38.3	

MAWSON

April 1966

28	eP		17 26 01
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28	eP		17 47 01
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WILKES

April 1966

28	iP		17 07 24.0
	eS		16 06

28	iP		17 24 23.4
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28	eP		23 58 20
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May 1966

1	eP		21 10 48
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1	eP		22 07 44
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2	eP		03 55 33
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2	eP		10 03 38
	iPcP		04 06.5
	eS		12 08

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PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

May 1966

4 iP	NEZ	07 54 04.7	
i	EZ	54 16	
4 eP	NEZ	16 58 47	
e(S)	E	17 03 28	
e	NE	04 30	
4 i(P)	Z	18 32 52.6	
4 e(P)	Z	20 26 43	
e	Z	27 14	
5 iP	NEZ	02 21 46.1 comp.	
5 eP	NEZ	14 31 59	
e	Z	32 02	
e	NEZ	32 16	
e	EZ	32 33	
eS	N	40 45	
e	E	41 07	
e	NEZ	47.3	
5 eP	NEZ	15 29 33	
6 eP	NEZ	04 03 29	
6 e(P)	NEZ	07 02 35	
6 eP	N Z	07 08 07	
e	Z	08 09	
e	NE	22.3	
6 iP	NEZ	07 19 56.5 dil. 2.2	
i	Z	20 01	
e	Z	25 35	
6 eP	NEZ	16 17 13	
6 eP	NEZ	19 51 14	
6 eP	NEZ	20 01 11	
7 eP	NEZ	00 24 53 local	
7 iP	NEZ	05 15 57.0 comp.	
7 eP	NEZ	09 55 58	
e	Z	56 02	
e	NE	10 11.3	
7 eP	NEZ	11 15 26	
9 e(P)	NEZ	00 02 25.5	
9 iP	NEZ	00 12 35.7 dil.	
9 eP	NEZ	01 02 08	
9 eP	NEZ	02 04 36	
9 iP	NEZ	05 20 05.5 local	
9 eP	NEZ	07 00 20 local	
9 eP	NEZ	08 59 04 local	
9 eP	NEZ	10 06 33	
9 eP	NEZ	15 22 57	
9 iP	NEZ	20 13 56.5	
e	EZ	14 02	
eS(KS)	N	24.2	
e	EZ	25.7	

TOOLANGI (continued)

May 1966

9 eP	NEZ	21 38 29	
10 eP	NEZ	08 07 35	local
eS	NEZ	07 46	

MAWSON

May 1966

5 iP		06 58 38.1
5 iP		22 35 30.2
6 iP		15 19 50.6
7 iP		10 00 00.1
8 iP		08 59 37.5

WILKES

May 1966

3 eP		09 12 51
3 eP		18 02 44
3 eP		23 27 18
4 eP		16 57 42
eS		17 01 28
4 iP		22 01 29.6
5 eP		14 34 19
ePP		38 10
eSKS		44 48
eS		45 16
7 iP		01 54 26.8
7 iP		02 32 15.6
7 eP		11 53 54
7 eP		13 03 45
7 eP		17 55 38
9 eP		20 09 31
9 eP		21 34 35
9 eP		22 34 48
10 iP		00 59 53.9

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PRELIMINARY EARTHQUAKE PHASES AT:-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

May 1966

11	eP	NEZ	01 59 40	local
11	iP	NEZ	14 30 19.8	comp.
	i	N Z	30 41	
	e	N Z	31 05	
	eS(KS)	E	40 58	
	e	E	54.6	
11	e(P)	Z	14 39 29	
	e	Z	39 35	
11	eP	Z	21 52 18	
	e	Z	52 30	
	e	Z	52 40	
11	eP	NEZ	23 27 29	
12	eP	NEZ	00 45 12	local
12	eP	Z	06 41 49	
12	eS(KS)	NE	12 04.2	
13	eP	NEZ	02 02 14	local
13	eP	EZ	10 58 28	
13	eP	Z	13 22 40	
	e	N Z	22 42	
	e	EZ	23 00	
13	eP	EZ	19 15 56	
14	eP	EZ	10 53 13	
14	eP	NEZ	16 41 49	
14	iP	NEZ	17 11 10.6	
	e	Z	11 18	
	e(P)	Z	15 15	
14	e(P)	Z	17 15 15	
	e	Z	15 28	
14	eP	NEZ	19 45 14	
15	eP	N Z	14 18 38	
	e	Z	18 43	
15	eP	N Z	14 59 30	
	ePcP	N Z	59 34	
	eSKS	N	15 09 55	
	eS	NE	10 33	
	eSS	NE	17 08	
	eSSS	N	20 57	
	eLQ	NE	25.7	
	eLR	N Z	30.5	
16	iP	NEZ	02 53 06.7	dil.NW 2.5
	i(pP)	NEZ	53 48	
	ePP	N Z	54 27	
	iS	NE	58 18	
	iScS	N	03 02 34	
	eLQ	E	05 29	
	eLR	NEZ	08.1	
16	eP	NEZ	06 02 52	
16	eP	NEZ	08 36 14	

TOOLANGI (continued)

May 1966

16	eP	NEZ	11 19 14	
16	iP	NEZ	13 17 39.7	comp. 1.6
16	eP	NEZ	14 58 39	
17	eP	NEZ	01 10 30	
	e	EZ	10 46	
17	eP	NEZ	04 37 14	
	e	Z	37 16	
17	eP	Z	04 43 12	
	e	Z	43 29	
17	eP	EZ	17 03 15	
17	iP	NEZ	17 11 17.5	dil.
	e	N Z	11 20.5	
	e	N Z	11 25	

MAWSON

May 1966

11	iP		03 56 43.5	
13	iP		13 49 50.7	
15	iP		15 05 45.3	
16	iP		02 58 57.5	

WILKES

May 1966

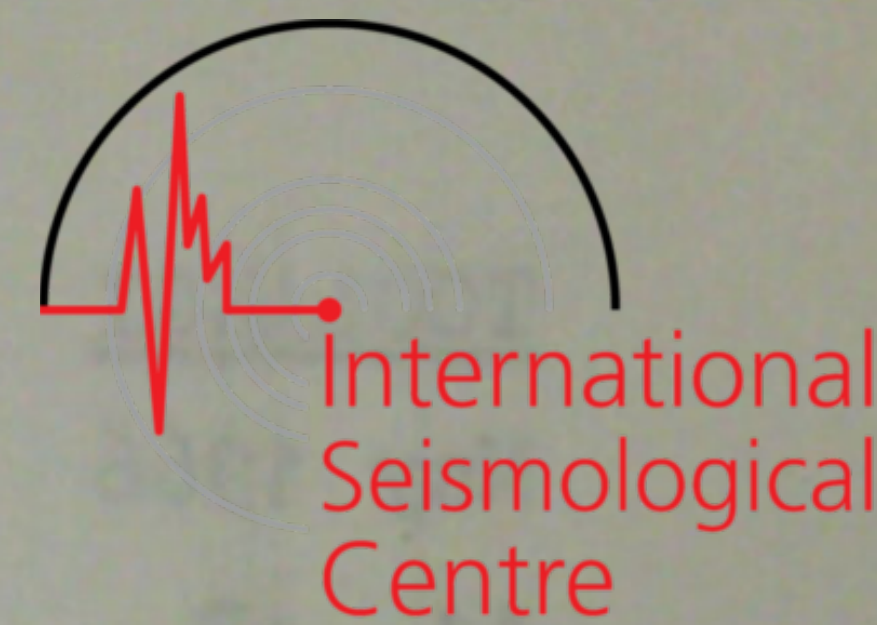
11	iP		03 58 30.0	
11	iP		16 24 50.0	
11	iP		23 30 42.0	
11	iP		23 42 58.8	
12	eP		01 34 20	
12	eP		11 55 28	
	eS		12 00 12	
12	eP		12 33 12	
12	eP		22 38 01	
14	iP		04 59 47.6	
14	eP		07 29 57	
15	eP		03 54 04	
15	eP		08 50 26	
15	iP		08 52 29.3	
	eS		09 01 00	
	eSS		05 06	
15	iPKP		15 05 11.8	
	iPP		07 28.0	
	iPKS		08 29.4	
	ePPP		10 30	
	eSKSP		17 18	
	ePPS		19 08	
	eSS		24 39	
	eSSS		29 30	

P.T.O.

WILKES (continued)

May 1966

15 eP 16 04 10
 16 iP 00 51 39.8
 16 iP 02 56 32.0
 eS 03 04 32
 eScS 05 04
 eSS 08 28
 17 iP 17 09 22.6



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PRELIMINARY EARTHQUAKE PHASES AT:-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

May 1966

18	iP	NEZ	00 04 47.6	dil.
18	eP	NEZ	04 21 02.5	local
18	eP	NEZ	07 22 08.5	local
18	iP	NEZ	07 29 59.5	
19	eS(KS)	NE	07 31 58	
	e	N	39.0	
	e	NE	48.7	
	e	N	53.7	
	e	NEZ	55.7	
19	eP	EZ	12 02 50	
20	eP	NEZ	03 04 21	
	e	Z	04 34	
20	iP	NEZ	07 01 08.5	local
20	eP	NEZ	07 16 05	
	e	Z	16 13	
20	eP	NEZ	09 23 47	
	e	NEZ	23 50	
	eS	NE	31 05	
	eSS	NE	34.7	
	eSSS(LQ)	E	36.5	
20	eP	NEZ	18 12 43	
	e	Z	12 54	
21	iP	NEZ	08 14 16.1	dil. 1.7
21	iP	NEZ	17 51 12.8	dil. N.W.
21	eP	NEZ	18 50 50	
21	eP	NEZ	22 44 44	
22	iP	NEZ	00 00 15.8	dil. 1.9
	e	N Z	00 25	
22	eP	NEZ	02 58 35	
	e	N Z	03 10.2	
23	e(P)	NEZ	00 19(47)	
23	eP	NEZ	01 57 37	local
23	iP	NEZ	02 21 45.4	dil.
23	eP	NEZ	06 06 38	
	e	EZ	06 43	
	e	Z	07 08	
	e	Z	07 24	
	eS(KS)	N	16.8	
23	eP	EZ	07 34 28	
23	eP	EZ	07 55 17	
23	eP	NEZ	08 50 39	
	e	NEZ	51 03	
23	eP	NEZ	14 31 34	
	e	NEZ	31 37	
	e	Z	31 52	
23	eP	NEZ	17 00 37	
23	iP	NEZ	18 37 05.5	dil. 1.6

TOOLANGI (continued)

May 1966

24	iP	NEZ	03 49 43	dil.
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24	e(S)	NE	07 53.6
	e	Z	59.7

24	eP	NEZ	15 35 45
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MAWSON

May 1966

17	iP	07 14 56.8
17	iP	09 58 26.5
17	iP	17 08 51.1
18	iP	00 09 52.1
18	iP	17 38 12.5
19	iP	06 49 27.3
19	iP	07 26 24.1
19	iP	10 04 06.5
19	iP	14 16 18.4
19	iP	17 05 22.2
22	iP	03 04 37.1
22	iP	14 28 50.7
22	iP	20 13 25.8
22	iP	22 55 52.3
23	iP	00 15 11.7

WILKES

May 1966

19	iP	07 29 14.0
	iS	40 53.0
19	iP	22 33 32.2
20	eP	07 03 44
20	iP	09 27 16.0
	iPcP	27 44.2
	eS	37 42
	eSS	43 11
20	iP	12 41 52.4
20	eP	17 13 40
20	iP	18 16 11.6
20	iP	21 57 18.0
22	iP	00 06 49.2
24	iP	14 59 46.8
24	iP	15 39 05.2
24	iP	23 17 08.5

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PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

May 1966

25	eP	NEZ	05 50 47	
25	iP	NEZ	08 35 39.3 comp. S	
	e	Z	36 03	
	e	Z	36 21	
	eS	NE	40 59	
	e	NE	46 55	
	e	N Z	50 27	
25	eP	NEZ	12 12 42	
	e	Z	12 49	
	e	EZ	14 38	
	eS	NE	17 13	
	e	NE	18.6	
	e	N Z	20.4	
25	iP	NEZ	13 25 10.9 comp.NW. 2.9	
	i	NEZ	25 17	
	e	EZ	25 24 .	
	e	NE	25 41	
	eS	NE	28 31	
	e	NE	28 39	
	e	NEZ	29 11	
	eT	NEZ	37.8	
	T max.	NEZ	43.3	
25	eP	NEZ	18 22 13.5	
25	eP	NEZ	22 43 28 local	
	eS	NEZ	43 47	
26	iP	NEZ	00 28 20.1 comp.	
26	iP	NEZ	07 18 27 local	
	iS	NEZ	18 30	
26	eP	Z	12 29 12	
	e	Z	29 16	
26	iP	NEZ	12 32 10.6 dil. 1.8	
	e	NEZ	32 55	
	iS	N	36 49	
	eScP	Z	37 51	
	eSS	E	39 45	
	e	N	44 23	
26	eP	NEZ	18 36 51	
	e	Z	37 05	
26	eP	NEZ	23 18 32	
27	eP	NEZ	01 27 06 regional	
	e	NEZ	27 40	
27	e(P)	NEZ	05 57 19	
27	eP	NEZ	07 04 23	
27	eP	NEZ	10 17 35	
28	eP	NEZ	00 14 37	
	e	Z	14 44	
	e	EZ	14 52	
28	iP	NEZ	02 15 48.0 dil.NE. 2.4	
28	eP	Z	06 03 51	
	i	NEZ	04 02	
28	eP	NEZ	15 02 55	

TOOLANGI (continued)

May 1966

28	eP	NEZ	20 05 32	
28	eP	NEZ	22 30 17	
	e	N Z	30 22	
29	eP	Z	10 41 45	
	e	Z	41 52	
29	eP	NEZ	13 50 41 2.6	
	eS	NEZ	55 36	
30	e(P)	Z	03 28 44.5	
30	e(P)	NEZ	12 06 44	
	e	NEZ	06 55	
30	eP	EZ	19 22 20	
	e	EZ	28 22	
30	e(P)	EZ	19 28 22	
31	iP	NEZ	04 18 49.7 local	
	iS	NEZ	19 12.6	
31	eP	NEZ	07 10 41 local	
	eS	NEZ	10 48	
31	e(P)	EZ	18 56(26)	
	e	N Z	56 36	
	e	EZ	56 51	
	e(S)	NEZ	59 04	
31	e(P)	NEZ	18 59 04	
31	eP	NEZ	20 05 58	
	e	Z	06 01	

MACQUARIE ISLAND

May 1966

25	iP	13 21 20.7 felt for several minutes.
25	iP	14 41 33.7
25	iP	18 18 24.1

WILKES

May 1966

25	iP	08 39 14.2
	eS	47 29
	eScS	49 26
	eSS	51 20
25	iP	09 12 28.6
25	iP	12 16 56.0
25	iP	13 26 41.4
	iPP	27 29.4
26	iP	12 35 37.2
26	iP	18 40 16.8
26	iP	23 45 24.8
27	eP	07 35 22
27	iP	12 17 14.0

WILKES (continued)

May 1966

27	iP	17 31 28.0
27	iP	23 16 46.0
28	iP	00 16 58.8
28	iP	02 19 16.0
28	iP	07 12 18.7
28	eP	19 54 00
28	iP	22 34 34.7
28	iP	22 47 21.0
29	iP	04 17 24.0
29	eP	04 44 51
29	iP	13 54 09.4
29	iP	13 55 55.8
29	iP	21 26 14.6
29	iP	22 44 27.2
30	iP	02 19 06.0
31	iP	08 44 42.0
31	iP	11 03 16.4
31	iP	11 55 28.2
31	iP	12 51 43.2
31	iP	18 59 05.7
31	iP	21 34 29.2

MAWSON

May 1966

25	iP	08 40 43.8
25	iP	13 29 15.4
27	iP	09 59 01.5
27	iP	17 49 48.2

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MELBOURNE OBSERVATORY GROUP
BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS
PRELIMINARY EARTHQUAKE PHASES AT:-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

Box 2831AA, G.P.O.
MELBOURNE. VIC.



TOOLANGI

June 1966

1	eP	NEZ	06	57	56	local
	eS	NEZ		58	05	
1	eP	NEZ	10	20	52	
	e(S)	NE		28.0		
	e	NEZ		29.7		
1	eP	NEZ	11	54	40	
	i	Z		54	45	
	e(S)	N	12	03	12	
	e	N		05.5		
	e	NEZ		08.7		
	e	NEZ		11.7		
	e	N		13.8		
1	iP	NEZ	12	40	29.9	dil. 2.1
	e	NEZ		40	58	
	e(S)	N		45	21	
	e	N Z		48.4		
2	eP	EZ	03	41	00	
	e	Z		41	14	
	e	E	04	06.5		
	e	N Z		10.8		
2	eP	NEZ	07	05	20	
2	iP	NEZ	07	15	49.5	comp. S.E. 2.3
	i	N Z		15	57.5	
	e	N		25	28	
2	eP	NEZ	17	01	33	
	eS(KS)	N		11.2		
	e	EZ		15.0		
3	eP	NEZ	06	10	20	local
	eS	NEZ		10	33	
3	iP	NEZ	13	55	32.5	dil. 1.8
4	eP	EZ	01	47	10	
4	eP	NEZ	08	31	24	
	e	NEZ		31	28	
	e	NEZ		31	42	
4	iP	NEZ	08	40	54.4	comp. S.W. 2.3
	e	NEZ		42	36	
	e(ScP)	Z		46	06	
4	eP	NEZ	11	30	20	
4	eP	NEZ	13	02	16	
4	eP	NEZ	14	38	25	
	e	Z		38	43	
4	eP	NEZ	18	14	18	
4	eP	NEZ	21	44	12	
5	eP	NEZ	00	00	47	
	e	Z		01	26	
	e	Z		01	31	
	e	N		11	05	
	e	NEZ		27.5		
5	eP	Z	05	00	36	
	e	NEZ		00	40	
5	iP	NEZ	11	29	32.5	comp.

TOOLANGI(continued)

June 1966

6	eP	NEZ	01	51	53	
	e	NEZ		52	07	
	e	NEZ		52	30	
	e(S)	NE		56.9		
	e	NE		57	10	
	e	NE		58.9		
	e	NEZ	02	00.6		
6	eP	NEZ	02	32	01	local
6	eP	NEZ	04	52	49	local
	eS	NEZ		52	56	
6	eP	NEZ	05	57	22.5	local
6	eP	NEZ	06	11	00	
	e	Z		11	05	
6	iP	NEZ	07	59	39.5	comp. 1.8
	e	Z	08	00	35	
	i	Z		03	52	
	i	NEZ		04	39	
	i	NEZ		05	02	
	e	NEZ		09	00	
	e	NE		09	57	
	e	NE		11	37	
	e	NEZ		12	32	
	e	NE		13	56	
	i	Z		16	19	
	i	Z		17	15	
	e	NE		18.1		
	e	NEZ		22.6		
	e	NE		26.1		
6	eP	NEZ	09	54	10	
6	eP	NEZ	20	56	04	
	e	Z		57	43	
	e	Z		58	12	
	eS	NE	21	03	13	
	e	NE		06.7		
	e	NE		15.1		
	e	NEZ		16.7		
6	eP	NEZ	23	16	24	
	e	NEZ		16	36	
6	eP	NEZ	23	25	27	
	e	NEZ		25	30	
7	eP	NEZ	00	08	09	
	e	NEZ		08	12	
	e	Z		08	21	
7	e(P)	NEZ	00	29	04	
	e	NE		35.3		
	e	NE		48.6		
	e	N Z		53.1		
7	eP	NEZ	09	29	23	
7	iP	NEZ	11	55	30.2	dil.
	e	Z		55	45	
	e	Z		55	52	

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JUN 24 1966

TOOLANGI (continued)

June 1966

7	iP	NEZ	14	08	19.5	
	i	NEZ		08	43	
	e	NEZ		08	50	
	e	Z		13	25	
	eS	EZ		15	25	
	e	Z		19	19	
	e	EZ		20.6		
	e	E		22.2		
	e	Z		23.2		
7	iP	NEZ	19	11	47.7	
	e	EZ		13	39	
7	iP	NEZ	22	27	37.2	
	e	Z		27	49	
8	eP	NEZ	03	48	37	
8	eP	NEZ	04	59	49	local
	eS	NEZ	05	00	02	
8	iP	NEZ	05	39	05.3	dil. 1.7
	i	Z		39	08	
	e	Z		39	15	
8	e(P)	Z	10	56	(42)	
8	e(P)	Z	21	01	53	
8	eP	NEZ	21	28	10	
	e	Z		28	17	
9	iP	NEZ	00	22	53.8	
	i	NEZ		22	59	
	e	N		40.3		
9	iP	NEZ	02	09	41.2	
9	eP	NEZ	12	42	15	
9	iP	NEZ	15	51	35.4	dil.
10	eP	NEZ	12	21	25	
11	iP	NEZ	03	11	53.5	
	i	N Z		11	56	
11	iP	NEZ	05	10	31.1	comp.
12	iP	NEZ	00	33	52.7	dil.
12	eP	NEZ	02	07	11	
12	eP	NEZ	03	21	16	
12	eP	NEZ	03	30	47	
12	eP	NEZ	07	29	08	
13	eP	NEZ	07	39	16	
	e	N Z		40	11	
	eS	NE		44	15	
	e	N		45	39	
	e	NEZ		46	15	
13	iP	NEZ	18	14	40.0	dil. 2.3
	e	Z		15	21	
	e	Z		15	29	
	eS	NE		19	32	
	e	NE		21	09	
	e	NE		22	52	
	e	NEZ		23	54	
14	iP	NEZ	02	44	47.5	dil.
14	iP	NEZ	16	46	12.9	comp. S.E.2.3
	e	N Z		47	54	
	i(pP)	NEZ		47	57	

2.

TOODANGI (continued)

June 1966

14	eP	NEZ	19	05	10
	e	Z		05	14
14	eP	NEZ	21	14	09

MACQUARIE ISLAND

June 1966

13	iP		18	16	11.1
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WILKES

1	iP		10	25	13.6
1	iP		11	57	57.2
	iPcP			58	16.0
	ePP		12	00	31
	eS			06	33
1	iP		12	44	55.6
1	iP		23	01	20.4
3	iP		09	24	09.8
	iPcP			24	23.8
3	eP		13	22	12
4	eP		03	53	55
4	iP		08	30	47.9
	eS			34	04
4	iP		08	44	53.9
4	eP		09	58	42
4	iP		11	31	54.0
4	iP		18	31	46.8
5	iP		00	07	00.6
	iPcP			07	16.4
	eS			18	06
	eSS			24	12
5	iP		02	22	59.2
5	iP		09	15	50.0
6	iP		02	26	13.2
6	iP		08	01	02.6
	iPPP			04	31.8
	ePcS			05	31
	eScS			10	17
	eSS			13	25
6	iP		20	58	58.0
	eS		21	08	41
	eSS			13	41
7	iP		10	12	47.6
	iPcP			13	00.8
7	iP		14	11	43.0
	iPP			14	15.2
	eS			21	45
	eSS			26	21
	eSSS			30	08
8	iP		02	59	32.0
9	iP		00	23	48.4
9	iP		03	20	01.4
9	eP		23	21	13

WILKES (continued)

June 1966

12	iP	07 32 14.8
	iPcP	32 28.4
13	iP	07 43 20.0
	eS	51 33
	eScS	53 10
	eSS	55 38
13	iP	18 18 57.2
	ePcP	19 47
	iS	27 18.8
	eScS	28 26
	i	47 18.4
13	iP	18 47 18.4
14	eP	04 37 02
14	eP	07 08 42
14	iP	09 06 45.0
15	iP	01 10 24.8
	eS	19 10

MAWSON

June 1966

1	iP	11 59 41.6
1	iP	12 46 42.2
2	iP	03 47 22.5
2	iP	07 19 54.3
2	iP	15 49 51.7
3	iP	14 19 51.8
6	iP	07 59 54.9
6	iP	21 00 03.0
7	iP	01 12 54.0
7	iP	13 12 58.2
11	iP	18 33 16.2
13	iP	07 45 11.0
13	iP	18 20 41.7
15	iP	01 12 10.7
15	iP	06 26 18.8
15	iP	16 48 53.2



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PRELIMINARY EARTHQUAKE PHASES AT:-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

June 1966

15	eP eS	NEZ N	01 05 57 11.1	
5	eP	NEZ	01 39 08	
15	iP i	NEZ Z	02 42 36.7 42 45	
15	eP	NEZ	02 53 31	
15	eP	NEZ	03 09 47	
15	eP	NEZ	03 33 33	
15	eP	NEZ	03 38 23	
15	eP	NEZ	03 47 27	
15	eP	NEZ	03 50 06	
15	eP	NEZ	04 10 51	
15	eP	NEZ	04 33 03	
5	eP	NEZ	06 11 14	
15	eP	NEZ	06 15 27	
15	iP e	NEZ E	06 20 05.7 27.3	
15	eP	NEZ	09 45 08	
15	eP	NEZ	16 23 25	
15	iP e	NEZ E	16 42 38.7 dil. 50.3	
15	eP	NEZ	20 05 12	
15	eP	N Z	21 20 06	
16	iP e	NEZ Z	00 09 58.3 dil. 1.6 10 09	
16	iP	NEZ	08 37 33.7 comp. 1.5	
16	eP	N Z	09 53 10	
16	eP	NEZ	12 06 33	
16	eP	N Z	13 23 57	
16	iP e e(S)	NEZ Z NE	14 37 39.7 dil. 37 49 45.1	
16	eP	EZ	14 56 27	
16	eP	NEZ	17 03 38	
16	iP	NEZ	19 34 18.7 dil.	
16	eP ?	EZ	22 40 37	
17	iP	NEZ	00 51 14.4 dil.	
17	eP	EZ	06 56 54	
17	iP e	NEZ N Z	11 53 49.3 dil. 53 58	
17	eP	NEZ	12 10 30	
17	iP e	NEZ Z	13 26 23.7 comp. W. 2.1 26 32	
17	eP e e	NEZ Z Z	15 12 41 13 08 13 30	

TOOLANGI (continued)

June 1966

17	iP e(S)	NEZ E	22 32 18.0 comp. 1.6 39.9	
18	eP	NEZ	00 36 51	
18	eP	NEZ	02 20 12	
18	eP	NEZ	08 17 25	
18	eP e(S)	NEZ N	08 30 50 38.3	
18	iP e	NEZ Z	15 52 43.0 dil. 1.6 52 52	
18	eP e e	NEZ Z E	19 22 12 22 19 30.0	
19	eP e	NEZ Z	00 20 25 20 32	
19	eP e e(S) e e	NEZ N Z N E N E	07 58 21 58 24 08 03.4 05.1 08.9	
20	eP	NEZ	08 59 55	
20	eP	EZ	19 16 21	
20	eP	NEZ	20 16 15	
20	eP	NEZ	22 06 13	
21	iP e e e ePcP eS eSS eScS	NEZ NEZ Z Z Z NE NE E	00 49 38.6 49 52.5 50 07 50 26 52 24 54 51 56 50 01 00.0	
21	eP	Z	04 01 07	
21	eP	NEZ	07 19 17	
21	eP	NEZ	13 11 34	
21	eP	Z	16 24 42	
21	eP	NEZ	19 25 46	

MACQUARIE ISLAND

June 1966

15	iP		01 07 40.2
15	iP		01 40 53.3

WILKES

June 1966

15	iP		03 51 55.6
15	eP		03 54 36
15	eP		04 37 23
15	iP ipP eS		06 24 33.2 24 43.6 33 18

P.T.O.

WILKES (continued)

June 1966

15	eP	11 24 48
15	eP	14 42 06
15	iP	16 47 06.8
	eS	56 08
15	iP	18 17 03.2
15	eP	22 54 20
16	iP	05 29 13.8
16	eP	05 38 57
16	iP	12 56 14.0
16	eP	14 42 07
16	iP	21 14 46.4
16	iP	22 38 35.9
17	iP	00 55 42.5
17	iP	01 35 48.0
18	iP	19 25 02.8
	e	26 17
18	eP	19 26 17
19	iP	08 02 53.4
21	iP	00 54 01.8

MAWSON

June 1966

16	iP	21 15 31.4
17	iP	22 38 31.5
17	iP	23 58 40.8
19	iP	08 04 29.9
19	iP	19 48 22.1
20	iP	01 16 40.6
20	iP	01 43 51.8

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PRELIMINARY EARTHQUAKE PHASES AT:-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

International
 Seismological
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TOOLANGI

June 1966

21	eP	NEZ	23	19	18	
22	eP	NEZ	01	55	43	
	e(S)	E	02	00.5		
22	eP	EZ	19	57	53	
22	iP	NEZ	20	35	20.9	dil.N.W. 2.9
	epP	NEZ		36	51	
	iPP	NEZ		36	58	
	ePcP	NEZ		37	29	
	esP	Z		37	41	
	eS	NE		40	17	
	eScP	Z		40	34	
	esS	NE		43	02	
	eSS	NEZ		43	21	
	e	N Z		52.0		
23	iP	NEZ	05	13	35.4	
24	i	NEZ	03	03	18.2	
24	i	EZ	08	24	12.8	
24	iP	EZ	13	53	23.0	
25	iP	NEZ	01	56	57.3	
25	iP	Z	10	37	36.7	
25	iP	Z	16	07	30.8	
25	iP	Z	18	44	59.1	
27	iP	Z	06	33	61.5	
27	iP	NEZ	06	46	11.9	
	iS	NEZ		46	15.0	
27	iP	EZ	10	54	07.0	
27	iP	EZ	11	02	38.4	
27	iP	NEZ	11	12	17.0	
27	iP	NEZ	21	52	25.5	
28	iP	NEZ	11	45	16.2	
29	iP	NEZ	06	59	06.2	
	iS	NEZ		59	22.1	
29	iP	EZ	07	45	40.6	
29	iP	Z	20	37	07.4	
29	iP	N Z	21	53	04.9	
	eS	N		58	06	

MAWSON

June 1966

21 iP 00 55 36.5

WILKES

June 1966

22	iP		11	58	28.8
22	iP		20	38	20.0
	ePcP			39	34
	ePcS			43	16
	eS			45	49
	eSS			48	55
22	eP		21	07	04
23	eP		21	23	08
24	eP		06	57	00
24	iP		08	27	31.0
24	eP		11	09	35
24	iP		13	56	27.8
24	iP		17	06	03.0
25	iP		01	59	44.1
25	iP		16	11	57.9
25	iP		18	49	19.0
25	iP		20	53	44.1
26	iP		06	59	54.3
26	iP		11	30	03.2
26	iP		14	16	17.6
26	eP		18	06	09
27	iP		08	49	07.8
27	iP		09	50	29.2
	PcP			50	43.9
27	iP		10	54	43.0
	PP			58	45
	SKS			11	05 17
	PS			07	30
27	iP		11	12	55.4
27	eP		18	22	02
27	iP		21	55	26.6
	PP			55	49.5
27	eP		22	02	02
27	iP		23	05	12.6
28	iP		02	00	40.0
28	iP		11	49	43.2
28	iP		18	07	41.6

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PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

June 1966

30 iP Z 09 11 18.3
30 iP N Z 12 36 35.4
eS E 43 25
30 iP Z 15 56 05.1
30 iP Z 17 04 52.4

July 1966

1 iP NEZ 06 01 12.9
iPcP Z 01 37.5
eS E 09 57
ePPS E 10 34
1 iP N Z 10 29 00.9
1 iP EZ 19 26 13.1
1 iP Z 20 36 30.8
2 iP EZ 00 53 49.2
2 iP EZ 06 55 58.8 comp.
2 iP NEZ 22 54 50.1 comp.
3 iP EZ 04 16 50.0
3 iP Z 13 16 53.1 comp.
4 iP NEZ 02 49 37.9
4 iP Z 03 08 48.5 comp.
4 iP EZ 07 20 31.7 dil.
4 iP EZ 07 28 20.7 dil.
4 iP EZ 12 37 00.4
4 iP N Z 18 46 58.9
eS E 58 10
5 iP NEZ 01 55 06.4
5 iP EZ 03 30 09.4 comp.
5 iP NEZ 03 55 12.1 dil.
5 iP NEZ 22 27 18.5
6 iP NEZ 03 51 32.7

WILKES

June 1966

29 iP 03 50 39.9
29 iP 05 02 42.0
29 iP 06 00 44.6
29 iP 21 57 26.6
eS 22 06 02
30 eP 12 39 28

July 1966

1 iP 06 09 32.4
iPcP 09 59.2
2 NIL
3 iP 03 30 22.0
3 iP 04 20 08.0
3 eP 09 54 28
3 eP 10 19 44
3 eP 18 25 24
4 iP 18 52 52.0
5 NIL

MAWSON

June 1966

30 iP 22 34 51.1

July 1966

3 iP 12 43 49.0
4 iP 03 15 09.6
4 iP 18 53 17.1
5 iP 02 41 23.0

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MELBOURNE OBSERVATORY GROUP
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PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

International
Seismological
Centre

TOOLANGI

July 1966

5	iP	NEZ	03 51 32.7
6	iP	NEZ	22 47 23.3 comp.
	i(pP)	E	47 30.9
	i	E	47 37.5
7	iP	Z	22 04 31.7
8	iP	NEZ	01 44 27.7
	i	NEZ	44 56.2
	i	E	45 46.2
	i	E	45 50.9
	i	NEZ	58 49.2
8	iP	EZ	22 19 54.4
9	iP	NEZ	16 14 08.1 dil.
	i(pP)	Z	14 17.5
	iP	Z	19 26 33.1 comp.
	i(pP)	Z	26 40.1
10	iP	NEZ	01 28 30.7 dil.
	i	Z	28 35.1
	i	Z	28 39.8
10	iP	EZ	01 55 51.1
10	iP	NEZ	10 06 55.8 comp.
	eS	N	14 05
10	iP	N Z	16 23 17.7 dil.
	i(pP)	Z	23 24.3
	e(S)	NE	31 57
11	iP	NEZ	22 53 28.4
	eS	N	59 34
12	iP	NEZ	17 42 57.0 dil.
12	iP	Z	19 12 11.0 dil.
13	iP	NEZ	06 52 45.3 comp.
13	iP	NEZ	14 48 13.7 comp.
	i	NEZ	48 16.7

MAWSON

July 1966

10	iP	10 12 01.6
11	iP	22 58 24.6

WILKES

July 1966

7	eP	10 24 37
7	iP	24 04 32.1
8	eP	01 48 02
8	eP	01 50 29
8	eP	13 40 11
8	eP	20 57 40
8	iP	21 21 32.8
8	iP	22 23 35.8
9	eP	07 05 24
9	iP	08 00 54.0
9	eP	19 57 11
10	eP	04 23 04
10	iP	06 14 12.8
10	eP	07 28 34
10	iP	10 10 07.8
	eS	17 41
10	eP	11 59 39
10	eP	13 13 26
10	iP	14 31 32.8
10	iP	16 25 44.4
	ePP	29 06
	eS	36 08
10	eP	17 39 52
10	iP	21 13 40.9
11	eP	01 21 05
11	iP	21 07 35.9
11	iP	22 56 46.8
12	eP	14 08 35
12	eP	14 52 42
12	iP	19 12 04.0

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PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

July 1966

14	NIL.			
15	iP	Z	08 19 38.7	dil.
	ipP	EZ	19 45.9	
15	iP	NEZ	08 43 45.4	comp.
16	iP	NEZ	00 42 26.3	dil.
16	iP	N Z	07 26 19.5	
	i	Z	26 33.9	
17	iP	NEZ	10 33 50.8	dil.
18	NIL.			
19	NIL.			

MAWSON

July 1966

12	iP	08 13 59.0
13	iP	05 59 11.6
13	iP	11 41 24.7
13	iP	14 52 16.6
14	iP	07 36 35.0
14	iP	18 26 34.2
14	iP	20 04 55.5
16	iP	07 32 24.8
16	iP	18 52 02.8
19	iP	19 40 16.4

WILKES

July 1966

13	eP	05 09 06
13	iP	05 57 20.0
13	eP	08 39 52
13	iP	09 13 10.0
13	eP	11 41 38
13	iP	14 51 03.8
13	iP	16 35 16.2
14	NIL.	
17	iP	03 53 58.2
17	iP	15 03 20.8
17	iP	19 03 34.0
17	iP	19 31 34.8
18	iP	01 03 05.4
18	iP	01 24 20.0
18	eP	03 00 50
18	eP	11 02 28
18	eP	20 58 09
18	eP	21 57 19
19	eP	01 59 45

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PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

July 1966

20	NIL			
21	iP	NEZ	03 37 24.6	dil.
	eS	NE	40 57	
21	iP	NEZ	05 54 15.3	comp.
21	iP	Z	16 20 49.0	
21	iP	NEZ	18 36 38.8	dil.
	iS	NEZ	41 44.7	
	eSS	NE	44 12	
22	iP	N Z	00 26 54.5	
22	iP	NEZ	18 46 38.1	
	e	Z	47 13	
23	iP	NEZ	05 52 55.7	dil.
	i	N Z	53 19.7	
24	iP	Z	09 00 06.6	
24	iP	NEZ	17 25 18.9	dil.
25	NIL			
26	iP	NEZ	01 50 33.1	
26	iP	Z	11 48 05.4	
27	iP	EZ	17 48 38.0	
	i(pP)	Z	48 46.4	

MAWSON

July 1966

21	iP	18 41 44.8
22	iP	08 37 49.9
22	iP	10 37 03.0
23	iP	14 51 33.1
23	iP	20 31 43.4
24	iP	17 15 27.9
25	iP	08 53 46.0
26	iP	11 53 03.8
26	iP	22 51 15.1
27	iP	05 01 18.4

WILKES

July 1966

19	iP	10 47 34.2
19	eP	19 19 54
21	iP	03 38 56.7
21	iP	18 40 06.1
	eS	48 10
22	iP	22 09 55.0
22	iP	23 23 39.4
23	iP	13 55 42.7
23	iP	14 21 06.0
23	eP	14 54 19
23	eP	20 31 21
23	iP	22 58 56.8
24	iP	09 03 20.1
24	iP	12 39 29.7
24	iP	17 28 46.6
25	iP	00 08 32.2
25	iP	08 54 28.4
25	iP	12 07 33.8
25	iP	15 51 45.8
25	iP	22 21 48.2

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PRELIMINARY EARTHQUAKE PHASES AT :-

TOOLANGI - MAWSON - WILKES

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TOOLANGI

July 1966

28	e	EZ	01	33	20
28	iP	NEZ	05	19	11.1 local
	iS	NEZ		19	18.5
28	i	EZ	08	22	19 masked by microseisms
28	i	EZ	09	48	32 masked by microseisms
28	iP	EZ	10	55	33.8
28	i	EZ	12	14	16 masked by microseisms
28	iP	NEZ	23	28	11.0
29	iP	Z	11	52	29.9
29	i	N Z	14	47	45.2
30	iP	NEZ	17	48	08.8
31	e	Z	11	54	39
	e	Z		56	40

August 1966

1	iP	NEZ	03	29	12.8
1	i	NEZ	06	25	31.4
	i	NEZ		25	32.9
1	iP	NEZ	19	53	43.6
1	eP	Z	21	16	39
1	iP	EZ	23	54	23.1
3	iP	NEZ	07	06	05.8 Local
	iS	NEZ		06	08.9

MAWSON

July 1966

28	iP		01	30	37.2
28	iP		08	27	41.7
28	iP		12	19	21.5
28	iP		17	47	39.1
28	iP		18	58	48.0
28	iP		23	33	21.4
29	iP		11	58	40.2
31	iP		11	46	31.8

August 1966

1	iP		03	35	26.3
1	iP		06	45	31.1
1	iP		20	44	30.2
1	iP		21	16	32.9
2	iP		09	14	03.6

WILKES

July 1966

26	iP		05	20	02.0
26	iP		11	51	48.2
26	iP		22	49	23.9
27	iP		05	01	57.1
27	iP		12	16	47.2
30	iP		07	30	37.6
30	eP		10	35	31
30	eP		14	50	37
31	iP		04	01	19.4
31	iP		07	23	11.8
31	iP		11	59	40.8
31	iP		21	27	36.2

August 1966

1	iP		03	03	19.8
1	eP		06	36	31
1	iP		07	20	17.4
1	eP		07	37	25
1	iP		08	13	31.8
1	iP		13	31	29.3
1	iP		14	02	10.0
1	iP		16	29	58.2
1	eP		21	16	51
1	iP		21	21	03.6
1	eP		21	33	07
1	iP		23	39	40.4
2	iP		02	04	28.8
2	eP		04	23	26
2	iP		09	26	25.8
2	eP		11	35	22
2	eP		11	45	35
2	iP		14	27	49.8
2	iP		17	25	31.3
2	iP		18	35	51.1
2	eP		22	32	04
3	iP		01	02	44.4

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TOOLANGI

August 1966

4	eP	NEZ	05 48 55
5	eP	NEZ	04 39 14
	iPcP	Z	42 12
	eS	NE	44 19
	eSS	NE	46.4
	eL	E	48 11
	eScS	NE	49 38
5	eP	NEZ	20 02 52
6	iP	NEZ	11 30 07.5
6	eP	NEZ	12 53 41
	T max.	NEZ	13 10.4
6	iP	NEZ	15 05 31
	iS	NEZ	05 36
7	eP	NEZ	01 43 23
7	eP	NEZ	02 26 30
	i	Z	26 34
	iS	NE	36 02
7	eP	NEZ	03 13 25
7	iP	NEZ	13 47 56.5
7	eL	NE	18 25.0
	e	EZ	30.3
8	eP	NEZ	00 31 08
	e	Z	31 19
	e	Z	31 25
8	eP	NEZ	07 30 40

9 NIL

MAWSON

August 1966

3	iP		03 17 45.8
4	iP		11 52 42.3
5	iP		04 45 27.2
5	iP		10 14 49.6
6	iP		21 24 04.8
7	iP		02 32 43.8
7	eP		17 56 00
8	iP		00 36 24.1

WILKES

August 1966

3	eP		08 45 55
3	eP		14 08 32
3	eP		20 18 27
3	eP		23 02 01
4	eP		00 53 34
4	iP		21 13 00.8
5	iP		04 43 40.2
6	eP		02 24 16
6	eP		05 54 13
6	iP		06 13 26.0
6	eP		07 52 54
6	iP		12 45 02.0
6	iP		17 42 07.0
6	iP		19 36 34.4
7	iP		00 43 16.2
7	iP		02 02 13.6
7	iP		03 17 53.8
7	iP		14 31 36.8
7	iP		19 29 06.0
8	eP		00 34 48
8	iP		03 39 10.4
8	eP		07 35 10
8	iP		09 31 10.8
8	iP		14 32 25.9
8	eP		18 20 52
8	eP		20 21 42
8	iP		22 26 23.4

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TOOLANGI - MAWSON - WILKES

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TOOLANGI

August 1966

10	eP	NEZ	05	08	21	
	e	NEZ		08	49	
	eS	N		17	32	
	e	N		17	52	
	e	NE		18	25	
	e	EZ		19.6		
10	eP	NEZ	12	40	13	
	eS	N		45	24	
	e	E		48.0		
	e	N Z		49.3		
	M	NEZ		53.0		
11	eP	NEZ	05	20	12	
	e	N		29.9		
	e	EZ		32.7		
11	eP	NEZ	23	32	38	
	e(ScS)	N		41	09	
12	eP	NEZ	04	06	42	
12	eP	NEZ	19	33	13	
12	eP	N Z	21	18	11	
13	Nil					
14	eP	NEZ	04	56	43	
	e	Z		57	21	
	e(S)	E	05	01	38	
	e	N		04	56	
14	eP	N Z	10	08	23	
14	eP	EZ	11	57	(39)	
14	iP	NEZ	19	53	15.0 comp.	
14	eP	NEZ	21	24	32	
	e(S)	N Z		30.3		
	e	N		32	57	
15	iP	NEZ	02	19	13.6 dil NE 2.1	
	e	Z		19	44	
15	eP	NEZ	02	28	34	
	e	EZ		28	42	
15	eP	N Z	02	55	08	
	i	NEZ		55	10	
	i	NEZ		55	17	
	i	NEZ		55	25	
	e	Z		55	39	
	e	Z		55	57	
	e	NE	03	02	56	
	e	NE		07	53	
	e	N		21	57	
15	eP	NEZ	03	39	40 local	
	eS	NEZ		39	56	
15	eP	NEZ	10	33	19	
	e	Z		33	26	
15	eP	Z	15	21	50	
15	eP?	NEZ	22	28	02	

TOOLANGI (Contd.)

August 1966

16	eP	NEZ	05	00	07	
	e(S)	E		06.2		
	e	E		06.7		
	e	E		07.5		
16	eP	NEZ	16	24	33	
16	eP	NEZ	19	51	28	
	eS	NE		56	07	
	e	NE		57	14	

MAWSON

August 1966

10	iP		05	13	26.4	
10	iP		12	46	10.9	
11	iP		05	25	10.4	
11	iP		06	59	03.8	
11	iP		10	184	43.7	
11	iP		11	05	38.9	
11	iP		23	37	42.8	
12	iP		04	11	48.8	
12	iP		14	49	36.7	
12	iP		16	00	08.7	
12	iP		19	29	06.5	
13	iP		10	14	58.2	
13	iP		13	59	25.5	
13	iP		16	31	30.8	
13	iP		17	19	33.8	
14	iP		18	15	37.9	

WILKES

August 1966

9	eP		16	01	19	
9	eP		19	34	48	
9	eP		20	19	52	
9	iP		22	18	44.0	
9	iP		22	35	56.0	
10	eP		03	02	03	
10	iP		05	11	44.1	
	eS			20	20	
	eSS			24	40	
10	iP		05	59	36.0	
10	eP		10	39	58	
10	iP		12	44	29.0	
	eS			53	24	
10	iP		21	03	02.2	
10	iP		21	24	55.3	

WILKES (Contd.)

August 1966

10	iP	23	41	37.8
11	eP	01	03	59
11	iP	05	23	32.0
	eS		32	22
	eScS		33	30
	eSS		36	46
11	iP	23	35	59.2
	eS		44	18
	eScS		45	50
	eSS		48	25
13	iP	19	32	44.8
14	eP	05	01	03
14	eP	05	19	51
14	iP	09	26	22.2
14	iP	15	19	36.6
14	iP	20	51	22.1
14	iP	21	38	49.9
15	iP	02	57	40.8
15	iP	04	30	08.6

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BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

Box 2031AA, G.P.O.
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 International
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TOOLANGI

August 1966

16	iP	NEZ 21 31 54.4	dil 1.6
17	e(P)	NEZ 00 59 29	
17	iP	NEZ 06 55 34	local
	iS	NEZ 55 37	
17	eP	NEZ 07 32 58	local
	eS	NEZ 33 12	
17	iP	NEZ 11 59 05.6	
17	eP	NEZ 12 00 37	
17	iP	NEZ 13 23 20.9	comp.
17	iP	NEZ 20 00 39.2	comp. S.E.
	ePP	Z 02 17	
	iPoP	Z 02 43	
	esPP	Z 04 27	
	eS	NEZ 05 49	
	eSqP	Z 06 06	
	ePoS	E 06 47	
	eSS	NE 09 04	
	eScS	NE 09 46	
18	eP	NEZ 00 14 35	
	e	Z 14 42	
18	eP	EZ 02 37 38	
18	ePKP	NEZ 10 52 08	
	e	Z 52 15	
	e	Z 52 27	
	ePS	E 11 03 55	
	eSS	E 11.1	
	eLQ	N 25.3	
	eLR	EZ 30.7	
18	iP	NEZ 14 41 47.5	comp 2.4
	i	Z 42 05	
	e	NEZ 43 21	
	eS	NE 48 02	
	e	N 51.1	
18	eP	NEZ 14 45 42	2.4
	e	Z 46 00	
	eS	NE 51 56	
18	eP	NEZ 15 49 12	2.1
	e	Z 49 42	
19	ePKP	NEZ 12 41 07	
	ePP	Z 42 43	
	e	Z 51 08	
	eSS	NE 59.4	
	eL	N 13 13.7	
	e	N 15.1	
	e	N 17.4	
19	eP	NEZ 14 03 49	
20	eP	Z 06 20 48	
20	eP	NEZ 08 36 50	
	e	Z 37 35	
20	iP	NEZ 09 44 27.0	comp. S. 1.9
	e	Z 45 08	

TOOLANGI (continued)

August 1966

20	eP	EZ 18 18 06
20	eP	NEZ 23 01 59
	eS	E 08 02
	e	N 10 30
	e	EZ 16 30
21	iP	NEZ 05 09 09.5 comp. S 2.2
	e	Z 10 09
	e	Z 10 24
	e	Z 11 01
	e	N Z 11 42
	eS	NE 16 12
	e	E 16 36
	e	NE 19 50
21	eP	Z 20 36 30
22	iP	NEZ 17 09 16.0
	e	NE 21.9
	e	EZ 24.4
22	eP	NEZ 17 47 45
22	eP	NEZ 20 37 36
23	iP	NEZ 07 05 06 local
	iS	NEZ 05 09
23	eP	NEZ 16 37 17 regional
	eS	NEZ 37 56
23	iP	NEZ 18 32 52.5
	e	Z 33 08
23	eP	NEZ 19 44 44

WILKES

August 1966

16	iP	05 04 20.8
16	eP	13 19 36
16	eP	14 54 52
16	eP	15 24 28
16	iP	15 28 57.8
16	iP	16 56 05.6
16	iP	19 55 36.0
	eS	20 03 42
16	iP	20 38 09.6
17	eP	01 03 37
17	eP	01 35 24
17	iP	04 21 43.2
17	iP	16 28 09.8
17	iP	20 03 59.6
17	iP	21 33 38.8
17	iP	23 59 39.2
18	iP	10 52 12.2

WILKES (cont)

August 1966

18	iP	14 44	47.6
	eS	53 37	
	eScS	54 44	
	eSS	57 32	
18	iP	14 48	43.0
18	iP	15 12	18.0
18	iP	15 53	05.9
18	iP	23 01	54.8
19	iP	12 13	48.0
19	iPKP	12 41	02.0
	ePP	42 16	
	eSKS	47 52	
	ePS	51 04	
	eSS	58 52	
	eSSS	13 02	52
19	iP	15 41	18.7
19	eP	20 52	23
20	eP	00 05	39
20	eP	09 51	15
20	iP	11 31	30.0
20	ePKP	12 24	23
	ePPP	5 29	02
	ePS	36 08	
	eScSPKP	40 02	
20	iP	23 05	19.4
	eS	13 41	
20	iP	23 23	38.4
21	iP	02 24	20.0
21	iP	05 12	05.5
21	eP	07 14	16
22	iP	00 05	26.2

MAWSON

August 1966

15	iP	18 05	48.0
15	iP	18 50	58.4
16	iP	18 22	26.2
16	iP	19 57	31.0
17	iP	05 57	26.2
17	iP	17 59	11.5
17	iP	20 04	58.9
17	iP	21 13	50.8
17	iP	21 18	07.8
18	iP	06 57	37.6
18	iP	14 46	14.1
18	iP	15 54	39.4
19	iP	11 43	03.3
20	iP	09 51	12.3
20	iP	23 07	04.2
20	iP	23 25	25.4
21	iP	02 26	06.1
21	iP	05 13	11.9

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PRELIMINARY EARTHQUAKE PHASES AT :-
TOOLANGI - MAWSON - WILKES



TOOLANGI

August 1966

23	eP	NEZ	22	42	49	
24	eP	NEZ	01	57	29	
24	iP	NEZ	21	32	17.8	
25	eP	NEZ	02	28	09	local
	eS	NEZ		28	15	
25	eP	NEZ	04	42	49	local
	eS	NEZ		42	55	
25	eP	NEZ	06	59	46	local
	eS	NEZ	07	00	02	
25	eP	NEZ	11	53	19	
26	eP	NEZ	00	05	09	
26	eP	NEZ	00	58	20	
	e	NEZ		58	41	
	e	Z	01	06.0		
	e	N		06	12	
	e	EZ		07.7		
26	eP	NEZ	03	51	12	local
26	eP	NEZ	04	06	31	local
26	eP	NEZ	09	12	23	
	e	NEZ		12	29	
	e	N		16	35	
	e	NE		17	09	
	e	NEZ		19.0		
	e	N		20	33	
26	e(P)	EZ	09	18	(05)	
26	eP	N Z	12	07	24	
26	eP	NEZ	13	33	45	
26	iP	EZ	13	37	55.3	
	e	Z		38	07.5	
	e	N		42	09	
27	eP	EZ	02	02	21	
27	iP	NEZ	02	44	23.4	dil NW 1.7
	e(ScP)	Z		49	44	
27	eP	NEZ	03	09	30	
27	iP	NEZ	04	44	08.5	dil
27	iP	NEZ	10	34	16.3	dil E 1.6
	e	Z		34	26	
27	eP	Z	11	32	38	
27	eP	NEZ	17	20	18	
27	iP	NEZ	17	57	24.8	dil
27	eP	NEZ	20	20	56	

TOOLANGI (Continued)

August 1966

28	eP	NEZ	07	35	05	
	i	Z		35	11	
	i	Z		35	40	
	i	Z		38	24	
	eS	N		40	24	
	e	N		41	28	
	e(ScP)	Z		41	47	
28	eP	NEZ	10	09	05	
	e	NEZ		10	41	
	e	NEZ		10	49	
	i	EZ		11	28	
	eS	N		13	54	
	e	N		16.8		
	e	N Z		23.2		
28	eP	EZ	13	28	22	
28	eP	NEZ	18	55	54	
28	eP	NEZ	19	08	50	
28	eP	NEZ	22	38	47	
	e	N Z		38	55	
	eS	N		45	10	
	e	N Z		48.5		
	e	Z		57.6		
29	eP	NEZ	13	17	04	
	eS	NE		22	27	
	e	NE		24	38	
30	eP	NEZ	01	07	40	
30	eP	NEZ	02	48	46	
30	eP	NEZ	06	34	24	local
	eS	NEZ		34	35.5	
30	iP	NEZ	12	49	57.8	
	i	Z		50	13	
	e	Z		50	25	
30	eP	NEZ	14	27	49	local
	e	NEZ		27	46	
	eS	NEZ		28	06	
30	iP	NEZ	15	09	53.6	dil
30	iP	NEZ	17	00	28.3	dil
30	eP	NEZ	19	50	57	

P.T.O.

WILKES

August 1966

22	eP	03	27	16
22	eP	08	05	04
22	iP	17	12	54.1
22	iP	17	51	57.4
22	iP	20	41	47.8
23	iP	10	43	05.2
23	iP	18	35	15.8
24	iP	00	34	00.8
24	iP	07	30	16.2
24	eP	18	57	02
24	eP	21	28	07
25	eP	04	12	12
25	eP	11	52	57
25	eP	12	14	00
25	iP	20	37	18.1
25	iP	23	31	48.0
26	eP	01	01	38

MAWSON

August 1966

22	iP	14	39	17.8
22	iP	14	41	47.6
22	iP	17	13	15.7
22	iP	17	53	53.8
24	iP	07	29	24.8
25	eP	23	31	06.9
26	iP	01	03	28.5
27	iP	03	14	02.6
27	iP	22	23	44.5
27	iP	22	59	10.8

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TOOLANGI - MAWSON - WILKES

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TOOLANGI

August 1966

31	iP	NEZ	11	02	25.5
31	eP	NEZ	19	53	26 local
31	eP	NEZ	23	47	00

September 1966

1	iP	NEZ	03	38	37.7 comp.
1	eP	NEZ	09	04	31
	e	N Z		04	40
1	iP	NEZ	14	27	18.0 dil.
	i	NEZ		27	30
	i	Z		27	40
1	iP	NEZ	14	32	52.7 dil
	e	Z		33	31
	e	Z		34	28
1	iP	NEZ	15	32	14.2 dil. 1.9
2	e(S)	NE	08	32	03
	e	N			42.0
	e	NEZ			46.6
2	eP	NEZ	09	17	57
2	e(P)	Z	14	42	49
3	eP	NEZ	01	51	11 local
3	iP	EZ	08	08	14.3
3	iP	EZ	12	21	17.5 dil
	e	Z		21	42
4	iP	NEZ	04	48	13.9 comp. 1.6
	e	Z		48	28
4	eP	NEZ	09	48	20
	eS	N			54.0
	e	NE			56.6
	e	NE		59	49
	e	N Z	10	03	46
5	iP	NEZ	00	14	50.8 comp. W.
5	eP	NEZ	11	58	29
5	eP	NEZ	17	58	20 strong
	i	NEZ		58	23 local
	eS	NEZ		58	40
5	iP	NEZ	18	04	30.6 comp.
6	eP	NEZ	03	43	35 local
	eS	NEZ		43	51
6	eP	NEZ	20	40	44

MAWSON

August 1966

28	iP	07	39	13.9
28	iP	10	13	54.9
28	iP	22	42	18.5

WILKES

August 1966

29	eP	04	52	18
29	iP	13	16	12.0
	eS		20	50
30	iP	05	25	03.2
30	eP	06	46	07
30	iP	12	52	27.4
30	iP	20	40	32.8

September

1	iP	00	02	00.0
4	iP	09	52	13.6
5	iP	11	17	10.0

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TOOLANGI

September 1966

7	iP	NEZ	08	01	24	local
	iS	NEZ		01	28	
7	eP	NEZ	16	01	44	
	e	N Z		02	12	
8	eP	NEZ	02	20	32	
8	eP	NEZ	05	01	39	local
	eS	NEZ		01	56	
8	eP	NEZ	10	45	53	
8	eP	NEZ	16	44	23	
8	iP	NEZ	21	23	44.0	comp.S.E.2.6
	ePP(PcP)	NEZ		25	24	
	ePcS	N Z		29	31	
	iS	NEZ		30	06	
	eSS(ScS)	NEZ		33	16	
	eLR	NEZ		36.0		
8	iP	NEZ	23	04	45.8	
9	eP	NEZ	12	13	36	
9	eP	NEZ	12	41	42	
	e	EZ		41	52	
9	e(P)	RZ	12	41	52	
9	eP	NEZ	23	19	11	
	e	NEZ		19	20	
10	eP	Z	02	39	40	
10	eP	NEZ	06	38	14	
	e	N Z		38	18	
10	eP	NEZ	16	03	39	local
	eS	NEZ		03	50	
10	iP	NEZ	17	37	51.0	
10	eP	NEZ	22	18	24	
11	eP	EZ	00	00	32	
11	eP	NEZ	04	01	39	
	e	NEZ		03	37	
11	eP	NEZ	04	03	37	
11	eP	NEZ	07	09	32	
	e	N Z		10	18	
11	eP	NEZ	17	57	03	
	i	NEZ	18	00	16	
11	iP	NEZ	18	00	15.9	dil 2.1
	i	Z		00	23	
	i	Z		00	28	
	e	NEZ		01	12	
11	eP	NEZ	21	39	06	
11	iP	NEZ	22	25	54.1	comp.1.7

TOOLANGI (Cont.)

September 1966

12	eP	NEZ	00	48	21.5	
12	eP	NEZ	11	35	10	
	epP	NEZ		35	19	
	esP	NEZ		35	24	
	ePP	NEZ		35	50	
	e	Z		36	16	
	eS	NEZ		39	40	
	eSS	E		40	37	
	eScS	E		42.2		
12	eP	NEZ	12	45	15	
13	eP	NEZ	00	37	03	
13	iP	NEZ	00	56	15.5	
	i	EZ		56	20	
	e	Z		56	41	
	e	NE		56	50	
	ePPP	Z		57	13	
	eS	NE	01	00	55	
	e	NE		01	08	
	eLR	EZ		03.3		
	M	N		08.0		
13	e(P)	Z	07	50	50	
13	eP	EZ	09	44	38	
	e	Z		46	04	
13	e(P)	Z	09	46	04	
13	er	Z	15	52	42	

MAWSON

September, 1966

7	iP		01	39	05.4	
7	iP		15	17	43.5	
8	iP		02	26	37.7	
8	iP		08	40	49.2	
8	iP		12	18	16.1	
8	iP		21	28	09.4	
9	iP		12	15	35.1	
10	iP		14	24	29.2	
10	iP		16	18	30.9	
11	iP		03	56	25.0	
12	iP		11	41	20.0	
13	iP		01	02	25.2	

WILKES

September 1966

1	iP	11	07	32.0
1	iP	13	37	16.0
1	iP	15	05	37.6
1	iP	23	38	41.5
2	iP	17	24	25.4
2	eP	18	58	05
3	iP	07	52	03.2
3	iP	08	50	57.2
3	iP	11	13	44.2
3	iP	12	17	53.6
3	eP	15	39	00
3	iP	21	50	04.0
8	iP	08	41	32.9
8	eP	17	50	29
8	iP	21	26	53.6
	eS		35	57
8	iP	21	54	54.0
11	eP	08	56	25
11	eP	16	07	45
12	iP	11	39	22.7
	ePcP		40	03
	eS		47	17
	eSS		51	11
12	eP	14	41	40
12	eP	20	49	21
13	iP	00	41	14.8
13	iP	01	00	27.8
13	eP	01	29	41
13	iP	02	39	14.8

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TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

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Seismological
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TOOLANGI

September, 1966

13	eP	NEZ	23	54	07	
	e	Z		54	19	
14	eP	EZ	00	18	04	
14	eP	NEZ	00	26	31	
	e	Z		26	43	
	e(S)	NE		31	04	
	e	NE		31	25	
14	eP	NEZ	17	27	16	
	i	NEZ		27	25	
	eS	N		28	29	
	e	E		28	31	
	e	N Z		29	17	
14	eP	NEZ	20	08	23	
14	iP	NEZ	23	31	02.6	dil. 2.1
	ePcP	NEZ		31	11	
	e	Z		31	24	
	eS(KS)	NE		41	15	
	eSS	E		46	40	
	eSSS	E		49.8		
	eLQ	E		52	10	
15	e(P)	EZ	02	37	11	
15	iP	NEZ	03	39	12.6	dil.
	e	N		40	07	
	e	Z		40	15	
15	eP	NEZ	04	14	01	
	e	EZ		14	22	
	e	E		15	28	
	eS	NE		19	33	
	eSSS	N		22	23	
	e	N		24	22	
15	iP	NEZ	07	58	05.6	dil.N.W. 2.0
	e	NEZ		58	53	
	e	Z		59	38	
15	eP	Z	12	04	16	
	e	NEZ		04	18	
	eS(KS)	NE		14	26	
	eSS	NE		19.7		
	eLQ	E		25	28	
15	iP	NEZ	12	31	08.3	
15	eP	NEZ	14	19	53	
	e	EZ		20	02	
15	iP	NEZ	17	21	19.2	comp.S.W. 2.8
15	iP	NEZ	17	35	17.5	comp. 1.7
	i	N Z		35	24	
16	eP	NEZ	02	12	31	
16	eP	NEZ	06	59	17	
	e	N Z		59	33	
16	eP	NEZ	07	57	51	
	e	N Z		58	02	
	eS(KS)	E	08	08	16	
	e	E		10.3		

TOOLANGI (continued)

September, 1966

16	eP	EZ	13	17	29	
	e	Z		17	37	
	e(S)	E		22	20	
	e	N		29	03	
16	eP	NEZ	14	55	28	
	e	NEZ		55	32	
	e	Z		55	39	
	e	Z		55	50	
	e(S)	E		59	39	
16	eP	EZ	15	02	33	
16	iP	NEZ	18	45	06.0	
16	eP	N Z	20	41	29	
17	eP	EZ	00	31	26	
17	eP	NEZ	10	59	12	
	i	N Z		59	14	
17	eP	NEZ	20	24	02	
	e	Z		25	40	
	e	Z		26	43	
	e(S)	N		31	55	
	e	NEZ		33.5		
17	iP	NEZ	21	12	17.5	dil. 1.8
	i	EZ		12	28	
17	eP	NEZ	23	24	08	
18	eP	NEZ	14	27	23	
18	eP	Z	15	26	42	
	e	Z		26	50	
18	e(S)	E	15	47	53	
18	eP	NEZ	19	55	02	
	i	NEZ		55	08	
18	iP	NEZ	20	45	00.4	dil.
19	eP	NEZ	03	42	33	
	e	Z		42	49	
19	eP	NEZ	06	13	29	
	e	N Z		28.9		
19	iP	NEZ	07	08	22.8	
	e	EZ		08	35	
	e	EZ		08	55	
19	eP	NEZ	11	19	05	

MAWSON

September 1966

14	iP	23 25 48.0
15	iP	01 53 33.1
15	eP	02 31 57
15	iP	03 00 43.3
15	iP	04 19 05.1
15	iP	06 15 01.2

MAWSON (continued)

September 1966

15	iP	06 29 12.0
15	iP	11 59 00.6
15	iP	12 07 01.6
15	iP	12 37 21.5
15	iP	17 24 27.0
16	iP	03 08 17.7
16	iP	13 14 32.7
16	iP	17 17 06.6
18	iP	15 21 28.3
18	iP	18 05 24.0
18	iP	20 57 18.9
19	iP	16 55 16.7
19	iP	18 54 04.5

WILKES

September, 1966

13	iP	15 22 48.6
13	eP	19 22 48
13	iP	22 38 38.0
13	eP	22 58 02
13	iP	23 04 15.2
13	iP	23 10 05.2
13	iP	23 57 00.0
14	iP	00 30 40.8
14	iP	03 26 13.2
14	eP	07 36 19
14	iP	10 23 10.8
14	eP	10 55 34
14	eP	11 56 50
14	eP	15 44 11
14	iP	17 23 24.8
14	iP	23 27 35.6
	ePPP	30 22
	eS	34 46
	eSS	38 28
15	iP	01 55 20.8
15	iP	02 03 48.0
15	iP	03 02 34.1
15	eP	03 17 54
15	iP	04 17 33.8
	eS	25 46
15	iP	06 16 49.8
	eS	24 02
15	eP	06 31 01
15	eP	10 18 28

WILKES (continued)

September 1966

15	iP	12 00 34.0
	eS	08 00
	eSS	11 28
15	iP	12 08 34.0
15	iP	14 24 14.8
15	iP	17 23 39.3
	eS	34 33
15	iP	18 29 55.6
15	eP	18 43 23
16	eP	05 16 52
16	iP	12 44 24.3
16	eP	13 21 38
16	iP	14 54 50.0
	eS	58 24
16	eP	19 45 07
16	eP	20 40 49
	eS	44 26
17	iP	11 58 50.4
17	iP	20 27 16.8
	eS	35 19
	eScS	37 06
17	eP	21 15 41
17	iP	22 37 24.8
18	iP	00 48 42.8
18	iP	01 28 31.3
18	eP	10 29 16
18	eP	14 28 49
18	iP	15 23 17.4
	iPP	25 12.7
	eS	30 28
18	eP	15 55 42
18	eP	16 39 28
18	eP	17 50 24
18	iP	18 07 10.0
18	eP	18 43 07
18	eP	19 11 46
19	iP	00 34 29.0
19	eP	03 07 06

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TOOLANGI

September 1966

20	eP	NEZ 06 26 12	strong local
	eS	NEZ	26 15
20	eP	EZ 09 36 21	
21	eP	NEZ 07 29 36	
22	eP	NEZ 13 40 15	
22	eP	NEZ 21 43 04	
	e	N Z	43 38
	e	N	54.4
23	eP	NEZ 07 30 01	local
	eS	NEZ	30 17
23	eP	NEZ 17 02 31	
23	iP	NEZ 18 38 15	comp.
	e	NEZ	38 21
24	iP	NEZ 02 36 20	strong local
	iS	N Z	36 32
	e	NEZ	36 35.5
24	iP	NEZ 16 54 05.3	dil.
	e	EZ	54 35
	e	NEZ	55 06
	e	Z	55 43
25	iP	NEZ 04 59 05.5	
	e	Z	59 36
	e	N Z	59 52
	e	Z 05 00 17	
25	eP	Z 06 21 10	
25	eP	NEZ 06 38 44	
	e	EZ	58.0
25	eP	NEZ 08 41 52	
	e	EZ	42 01
	e(S)	NE	46 31
	e	NEZ	48.6
25	eP	NEZ 08 51 34	
	e	EZ	52 00
25	iP	NEZ 10 32 24.5	
25	eP	NEZ 22 25 45	
26	eP	NEZ 03 41 01	
26	iP	NEZ 04 33 32.4	dil.
	e	NEZ	33 38
	e	Z	33 41
26	eP	NEZ 05 23 14	
26	eP	NEZ 06 17 34	
	e	Z	17 52
	eS(KS)	N	27 51
	e	N	31.5
26	eP	EZ 19 51 45	
	e	EZ	51 49
27	eP	NEZ 03 28 58	
	e	N Z	29 13
	e	N Z	29 37

TOOLANGI

September 1966

27	eP	EZ 09 12 40
27	eP	NEZ 17 43 30
	e	N
	e	Z
27	eP	NEZ 18 49 34
	e	Z
	e	Z
	e	EZ

MAWSON

September 1966

20	iP	09 31 04.7
21	iP	08 24 22.6
25	iP	06 21 30.0
25	iP	06 44 52.4

WILKES

September 1966

20	eP	03 28 16
20	iP	09 32 52.0
	eS	40 02
20	iP	17 41 53.2
	eS	49 50
20	iP	18 21 42.0
20	iP	18 46 35.0
20	eP	22 48 25
21	iP	12 30 03.2
21	eP	14 23 55
21	eP	20 16 42
22	eP	09 02 30
22	eP	10 56 26
22	iP	12 42 10.8
22	iP	21 46 19.6
	eS	55 26
23	iP	01 07 51.6
23	eP	01 13 25
23	iP	16 43 19.0
23	iP	18 34 49.9
	eS	42 02
23	iP	22 00 58.0
23	eP	22 55 51
24	eP	05 55 46
24	eP	08 44 52
24	eP	10 10 45

WILKES (continued)

September 1966



24 iP 14 42 09.4

24 iP 16 58 13.8

26 iP 06 22 58.0

26 eP 10 14 41

26 eP 12 09 35

1

1

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PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

September 1966

28 eP NEZ 00 31 28 regional

28 eP NEZ 01 32 59 "

28 eP NEZ 02 52 48 "

28 eP NEZ 03 02 05 "

eS NEZ 02 25

28 eP NEZ 04 54 09 "

28 eP NEZ 05 04 08 "

28 eP NEZ 06 19 15 "

28 eP NEZ 06 27 38 "

28 eP NEZ 07 45 50 "

eS NEZ 46 10

28 eP NEZ 07 55 35 "

28 eP NEZ 09 17 19 "

28 eP NEZ 09 26 12 "

28 eP NEZ 09 46 07 "

28 iP NEZ 14 12 16.5 dil.

i NEZ 12 22.5

eS(KS) NE 22 08

eSS NE 27.7

eLR NE 38.2

e NEZ 41.7

29 iP NEZ 02 51 10.7 comp. 1.9

i NEZ 51 14

e Z 51 30

e Z 53 25

29 iP NEZ 18 06 06.7 strong local

iS NEZ 06 18.8

29 iP NEZ 23 42 11.1 dil.

e Z 42 21

30 eP NEZ 15 36 13

October, 1966

1 eP NEZ 10 11 15

1 eP NEZ 15 16 03

1 eP NEZ 23 23 03

2 No S.P. Vertical from 0! 39 (lamp blown)

2 iP NE 05 05 12 strong local

iS NE 05 26

i NE 05 30

2 eP NE 05 14 51 local

2 eP NE 05 25 15 local

2 eP NE 05 30 58 "

2 eP NE 05 45 57 "

2 eP NE 05 51 19 "

2 eP NE 05 57 12 "

2 eP NE 06 07 02 "

TOOLANGI (continued)

October 1966

2 eP NE 19 45 57

i NE 46 02

e(S) E 49 06

4 eP NEZ 16 03 12

e(S) E 06 14

WILKES

September 1966

27 eP 22 59 23

28 iP 04 27 50.0

28 iP 14 13 37.9

29 iP 00 20 11.8

29 iP 02 55 36.0

29 iP 03 59 35.8

29 iP 06 30 55.6

29 iP 22 23 22.0

29 iP 23 33 33.8

30 eP 00 58 22

30 iP 01 31 47.8

30 iP 14 00 57.4

October 1966

1 iP 14 05 27.7

1 eP 21 58 33

1 iP 22 04 02.0

2 eP 09 33 17

2 iP 11 22 55.8

2 iP 13 29 10.0

2 eP 16 46 06

2 iP 17 42 54.0

2 iP 19 46 33.1

3 iP 04 56 26.0

3 eP 05 11 00

3 eP 06 09 57

MAWSON

September, 1966

30 iP 09 41 47.8

October 1966

2 iP 07 43 17.0

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TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

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TOOLANGI

October 1966

4	iP	NEZ	23 43 12.0	
5	eP	NEZ	02 04 29	local
5	eP	NEZ	07 01 59	
5	eP	NEZ	10 13 06	
5	eP	NEZ	13 43 28	
5	eP	NEZ	20 54 07	
6	iP	NEZ	03 17 13.5	comp.
	e	NEZ	17 45	
6	iP	NEZ	06 35 31.5	comp.
6	iP	NEZ	14 18 48.0	dil. N
	i	NEZ	18 55.6	
7	iP	NEZ	01 39 33.1	comp. S.
7	iP	NEZ	16 00 38.8	dil. N.E. 2.9
	e	NEZ	00 51	
	e	N Z	01 15	
	e	Z	01 26	
	e	NEZ	01 31	
	e	NEZ	01 40	
	e	N	04 44	
	eS	NE	04 56	
	eL	N	07 06	
	e(ScP)	EZ	08 08	
	e(ScS)	N	11 11	
7	eP	NEZ	23 10 37	
7	eP	NEZ	23 15 52	
8	eP	NEZ	00 05 10	
8	eP	NEZ	00 19 41	
	e	EZ	20 07	
	e	EZ	20 17	
	e	Z	20 28	
	eS	NE	25 39	
	eSS(LQ)	NE	28 35	
8	eP	NEZ	02 28 55	
8	eP	NEZ	02 41 36	
	e	NEZ	41 49	
	eS	NE	47 35	
	eSS(LQ)	NE	50 35	
	eLR	NEZ	52.9	
8	eP	EZ	03 57 14	
8	e(P)	Z	12 13 41	
8	iP	NEZ	13 21 23	local
	iS	NEZ	21 29	felt in Dandenong
8	eP	NEZ	14 50 43	
	e	Z	52 08	
9	eP	NEZ	01 10 21	
9	iP	NEZ	02 12 57.4	dil.
	i	EZ	13 51	
9	e(P)	EZ	02 13 51	
9	eP	NEZ	08 30 37	

TOOLANGI (continued)

October, 1966

9	iP	NEZ	13 56 31.5	dil.
10	eP	NEZ	06 49 52	
10	eP	NEZ	10 54 48	
11	eP	NEZ	00 06 18	
11	iP	NEZ	01 28 26.9	
	e	Z	28 34	
	e	N Z	28 38	
11	eP	NEZ	02 02 13	local
	eS	NEZ	02 18	
11	eP	NEZ	04 16 47	local
	eS	NEZ	17 05	
11	iP	NEZ	06 38 13.6	1.7
	e	Z	38 18	
	i	NEZ	38 25	
	e	Z	41 19	
	e	NE	59.2	
11	iP	NEZ	08 11 59.8	
	e	N Z	12 13	
11	eP	NEZ	10 18 07	
11	eP	NEZ	12 15 51	
11	eP	NEZ	20 46 45	
	e	EZ	47 27	
	e	N	53.4	
	e	EZ	54.9	
	e	N	55.7	

WILKES

October 1966

4	iP	10 13 04.0
4	iP	12 17 49.8
4	iP	16 03 46.0
4	eP	19 02 42
4	iP	21 40 04.0
4	eP	22 08 38
4	eP	22 40 21
5	iP	06 24 49.4
5	iP	06 30 48.6
5	iP	08 26 24.8
5	iP	12 28 11.3
5	eP	14 13 07
5	eP	14 36 02
6	eP	17 44 07
6	iP	22 14 31.0
7	eP	00 00 55
7	eP	00 33 40
7	iP	01 42 24.0

WILKES (continued)

October, 1966

7	iP	16 04 50.1
	ePcP	05 40
	iS	12 39.5
	eScS	14 26
7	iP	20 45 29.4
7	iP	23 14 43.8
8	eP	00 01 44
8	iP	00 23 13.8
	eS	32 10
8	eP	00 50 34
8	iP	02 32 18.3
8	eP	02 45 09
9	iP	10 40 13.8
9	iP	15 00 38.0
9	iP	22 58 35.4
10	eP	05 31 56
10	eP	06 49 26
10	iP	08 31 22.8
10	eP	14 25 56
10	iP	15 30 08.4
10	iP	19 03 46.8
10	iP	19 36 36.8
10	eP	20 17 32
11	eP	00 04 05
11	iP	00 09 36.8

MAWSON

October 1966

6	iP	03 23 10.5
7	iP	16 06 45.8
7	iP	21 16 48.6
7	iP	23 16 19.6
8	iP	02 33 57.9
8	iP	04 34 27.8
8	iP	14 56 00.6
8	iP	18 03 39.4

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PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

Box 2831AA, G.P.
MELBOURNE. VI



TOOLANGI

October 1966

12	iP	NEZ	00	13	14.2	dil.	
	i	NEZ		13	25		
	i	EZ		13	30		
	e	NEZ		14	27		
	eS	NE		18	26		
	e	NE		19	11		
	e	NE		22	20		
	e	NEZ		23.0			
12	eP	NEZ	04	15	34	local	
	eS	NEZ		15	37		
12	eP	NEZ	04	28	31		
	i	Z		28	43		
	e	EZ		28	49		
	e	EZ		31	26		
	e(S)	NE		33	35		
	e	N		35.3			
	e	EZ		36.7			
12	e(P)	EZ	04	31	26		
12	eP	NEZ	04	35	09		
12	eP	NEZ	08	03	10		
	e	Z		03	19		
12	eP	NEZ	09	05	44		
12	eP	NEZ	09	44	55		
						no time control after 10 00 hours.	
13	eP	EZ	12	06	53		
13	eP	N Z	17	33	15		
13	eP	NEZ	19	23	53		
14	eP	EZ	01	17	51		
14	eP	NEZ	02	09	03		
	e	Z		09	16		
14	eP	NEZ	02	40	26		
	i	EZ		40	30		
14	eP	EZ	04	08	04		
14	eP	NEZ	07	08	44	local	
15	eP	NEZ	02	31	04	local	
15	eP	EZ	07	18	23		
15	iP	NEZ	08	37	15.4	dil.	
15	eP	NEZ	20	59	22		
16	iP	NEZ	13	08	02.8	comp. 1.8	
	e	N Z		11	25		
17	eP	NEZ	00	29	03	regional	
17	eP	NEZ	04	04	20		
	e	NEZ		04	23		
	e	N		12.0			
	e	Z		13.7			
17	iP	NEZ	07	35	58.8		
	e	Z		36	11		
17	eP	NEZ	08	58	14		
17	eP	Z	10	13	10		

TOOLANGI (continued)

October 1966

17	iP	NEZ	10	22	08.7	comp.	
	e	NEZ		22	18		
	e	Z		25	17		
	e	N		27	10		
	e(S)	NE		27	31		
	e	NE		29	24		
	e	Z		31.4			
17	iP	NEZ	12	42	07.4	comp. 1.7	
	e	Z		42	15		
17	eP	NEZ	14	47	59		
17	iP	NEZ	17	12	43.6	dil. S.E.	
						Strong Local. Felt in	
						Moe.	
17	iP	NEZ	18	25	52.0	dil. E. 2.6	
	iS	NE		30	26		
	e(ScP)	Z		31	28		
17	eP	NEZ	20	35	32		
17	eP	NEZ	21	57	09		
	ePKP	NEZ	22	00	41		
	ePP	NEZ		01	41		
	eSKS	NE		07	36		
	e(PKKP)	Z		11	15		
	ePS	NEZ		11	20		
	eSS	NE		17.5			
	e(SSS)	N		20.9			
	eLQ	N		29.2			
	eLR	E		36.5			
18	e(P)	Z	00	06	43		
18	eP	NEZ	01	59	01.5	local	
18	iP	NEZ	02	44	16.0	dil. N.E.	
18	iP	NEZ	04	08	55.8	comp. 1.8	
18	eP	NEZ	06	57	17	local	
	eS	NEZ		57	27		
18	eP	NEZ	07	30	01	local	
	eS	E		30	09		
18	eP	NEZ	11	05	06		
18	eP	EZ	20	46	27		
18	eP	NEZ	20	56	21		
	e	NE	21	06.0			
18	eP	NEZ	22	35	17		
	e	EZ		35	31		
	e	Z		35	37		

MAWSON

October 1966

11	iP		05	50	58.3		
11	iP		06	32	57.6		
11	iP		20	51	48.9		
12	iP		00	17	31.3		
12	iP		04	33	35.2		
12	iP		15	56	12.0		

MAWSON (continued)

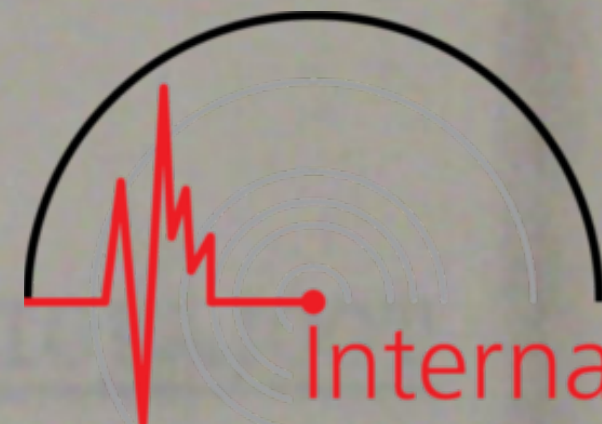
October 1966

13	iP	17 33 31.7
14	iP	02 45 21.1
16	iP	07 01 19.5
16	iP	13 02 58.0
17	iP	07 41 14.5
17	iP	12 48 21.5
17	iP	18 31 09.0
17	iP	21 55 25.6

WILKES

October 1966

11	iP	05 53 37.2
11	iP	06 34 45.9
	ePcP	35 28
	ePP	36 42
	eS	41 56
12	iP	00 16 04.0
	eS	23 44
13	eP	11 31 22
13	eP	13 54 08
13	iP	16 57 45.0
13	iP	17 32 39.2
13	iP	22 06 17.9
14	iP	09 23 10.0
14	iP	11 38 15.0
14	eP	16 05 41
14	iP	18 51 07.9
15	eP	00 46 11
15	iP	07 24 41.9
15	iP	19 39 13.4
16	iP	13 04 44.9
17	eP	21 55 53

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PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

October 1966

19	iP	NEZ	06 40 16.0	
19	ePKP	NEZ	08 20 59	
	e	Z	21 12	
	ePP	Z	23 40	
	ePKS	NE	25 08	
	e	Z	27 24	
	e	NEZ	32.0	
	eSS	E	41.9	
	eSSS	E	47 09	
	eLQ	E	57.3	
19	iP	NEZ	09 23 09.2	dil.regional
	e(S)	N	23 51	
	e	NE	24 07	
19	eP	NEZ	09 26 37	regional
19	eP	NEZ	11 28 18	
	e	EZ	28 31	
19	iP	NEZ	12 49 04.4	dil. 1.9
	e	Z	49 43	
	e	N	50 11	
20	eP	NEZ	11 43 59	1.6
20	iP	NEZ	13 41 43.0	dil. 2.1
21	eP	NEZ	07 02 23	Local
	eS	NEZ	02 39	
22	e(P)	Z	00 12 56	
22	eP	Z	03 15 12	
23	eP	NEZ	00 08 18	
	e	Z	08 32	
23	iP	NEZ	07 22 15.6	
	e	Z	22 31	
23	eP	EZ	07 27 12	
23	eP	NEZ	09 22 16	
23	eP	NEZ	17 26 39	
	e	Z	27 13	
	e	Z	27 25	
	e	Z	27 35	
	e	NE	27 38	
	e(S)	NEZ	33 37	
	e	E	38 35	
24	eP	NEZ	06 00 13	Local
24	eP	NEZ	15 43 50	
24	iP	NEZ	18 56 23.5	
25	iP	NEZ	00 32 47.7	
25	eP	NEZ	06 43 31	Local
25	e(P)	NEZ	07 54 24	
25	eP	Z	12 46 22	

MAWSON

October 1966

19	iP	11 34 21.0
20	iP	13 47 52.5
21	iP	12 51 31.4
23	iP	09 28 20.8
23	iP	17 31 36.1

WILKES

October 1966

19	iP	11 32 35.8
19	iP	12 52 20.4
19	iP	14 21 49.9
21	iP	08 22 54.0
21	iP	12 35 39.2
21	iP	12 52 16.2
22	iP	00 04 29.2
22	iP	01 50 19.8
22	iP	08 40 01.6
22	eP	12 51 51
22	iP	13 06 16.3
22	iP	13 20 07.6
23	iP	00 11 24.4
24	iP	15 41 24.0
24	iP	16 08 01.4
24	iP	18 50 44.4
25	iP	00 37 09.4

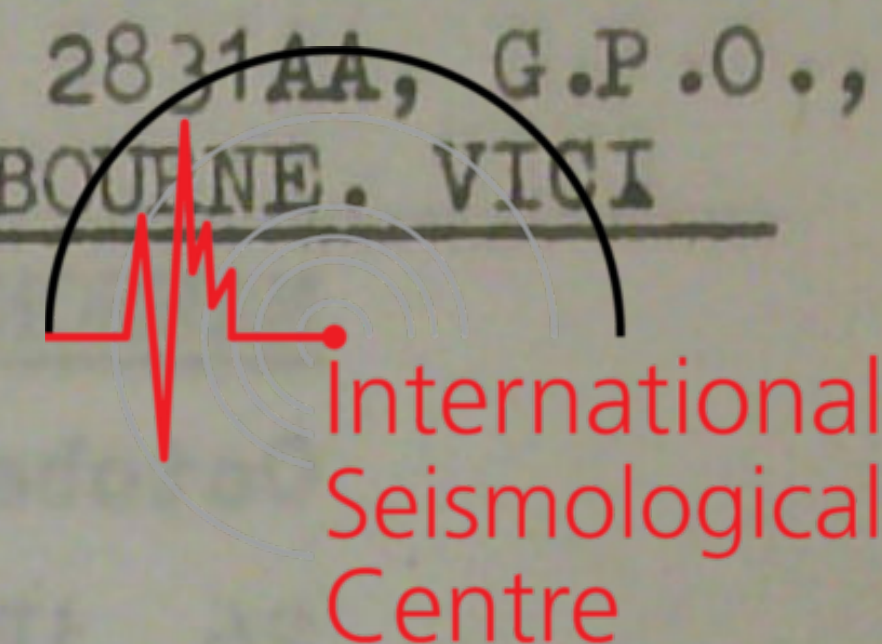
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PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

October 1966

26	eP	NEZ	18	34	37	
	e	NEZ		39	46	
	e(S)	N		40	41	
	e	N		42.7		
27	iP	NEZ	00	27	42.8	
	iS	NE		29	12.5	
27	iP	NEZ	01	07	24.5	
	eS	NEZ		08	21	
27	eP	NEZ	02	36	44	
	e	Z		36	53	
	e	Z		37	08	
27	eP	NEZ	06	16	48	
27	eiP	NEZ	06	17	01	2.7
27	eP	NEZ	07	04	00	
27	iP	NEZ	14	31	06.5	dil.N. 2.2
	eS	N		39	14	
	e	E		45	50	
	e	N		57	37	
27	eP	NEZ	22	32	20	
28	iP	NEZ	01	47	31.3	comp. S
	e	Z		47	44	
	e	Z		50	38	
	e(S)	N		52	39	
28	eP	NEZ	22	17	29	
	e	NEZ		17	34	
	e	N Z		17.58		
	e	EZ		18	29	
	eS	NE		22	07	
	e	N		22	22	
	e	Z		25.2		
28	eP	NEZ	23	29	51	
	e	NEZ		30	01	
29	eP	NEZ	02	58	3.8	
	e	Z		58	51	
	e	Z		58	56	
	e	EZ	03	01	38	
	e	Z		02	22	
29	iP	NEZ	05	17	22	
29	eP	NEZ	07	14	50	
	e	N Z		15	06	
29	eP	NEZ	10	44	12	
	e	Z		44	22	
29	iP	NEZ	11	14	02.9	
	e	N		14	14	
29	eP	NEZ	14	44	43	
30	iP	NEZ	00	09	18	
30	eP	EZ	07	31	10	
30	eP	NEZ	12	33	44	
30	iP	NEZ	22	28	34.2	comp.
	i	EZ		31	31	

TOOLANGI (continued)

October 1966

31	eP	NEZ	01	26	30	
31	eP	NEZ	05	04	51	local
	eS	NEZ		05	07	
31	iP	NEZ	15	00	33	
31	eP	NEZ	18	43	28	
	e	Z		43	34	
31	eP	NEZ	20	01	24	
31	eP	NEZ	23	52	47	local

November 1966

1	iP	NEZ	03	41	47.4	comp.
1	eP	NEZ	07	13	00	
1	eP	EZ	20	04	26	
1	iP	N Z	21	59	59.4	
1	iP	NEZ	22	16	13.2	

WILKES

October 1966

25	iP		04	25	08.8	
25	iP		18	11	32.8	
25	iP		23	26	13.8	
27	iP		06	17	33.8	
27	iP		14	34	12.6	
27	iP		21	06	01.0	
27	iP		21	35	20.1	
28	iP		21	15	01.0	
28	iP		22	21	49.0	
28	iP		23	34	11.0	
29	iP		02	58	26.2	
30	iP		13	55	06.0	
30	iP		22	01	46.8	
31	iP		05	32	01.0	
31	eP		09	17	33	
31	iP		17	17	16.0	
31	iP		17	25	26.4	
31	eP		18	54	36	

November 1966

1	eP		00	16	07	
1	iP		00	18	43.4	
1	iP		01	36	42.6	
1	iP		02	32	34.3	

MAWSON

October 1966

26	1P	18 40 55.2
27	1P	06 17 22.4
27	1P	14 39 32.3
28	1P	01 53 46.3
28	1P	22 23 44.0
29	1P	02 57 59.7
29	1P	07 20 55.6
30	1P	22 33 41.2

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October 1966

25	1P	04 55 08.8
25	1P	18 11 35.8
25	1P	23 26 13.8
25	1P	06 17 33.8
25	1P	14 34 15.8
25	1P	21 06 01.0
25	1P	21 32 30.1
25	1P	21 12 01.0
25	1P	25 21 49.0
25	1P	23 34 11.0
25	1P	08 28 26.5
25	1P	13 22 08.0
25	1P	22 01 46.8
25	1P	02 36 01.0
25	1P	09 17 33
25	1P	11 13 16.0
25	1P	13 23 56.4
25	1P	18 24 26

November 1966

25	1P	00 18 05
25	1P	00 18 43.4
25	1P	01 36 42.8
25	1P	08 32 24.3

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Centre

TOOLANGI

November 1966

3	iP	NEZ	03 35 08.9	comp.	
	eP	NEZ	06 09 46	local	
	eS	NEZ	09 54.5		
3	eP	NEZ	06 13 51	strong	
	eS	NEZ	14 15	local	
3	iP	NEZ	11 56 51.4		
3	eP	NEZ	13 08 03		
3	iP	NEZ	16 44 08.9	comp.	2.2
	e	NEZ	44 23		
	e	Z	17 00 26		
3	eP	EZ	21 19 33		
3	eP	NEZ	21 33 39		
	e	Z	33 42		
4	iP	NEZ	15 48 31.7	comp.	1.8
	e	Z	49 15		
5	eP	NEZ	02 22 40		
	e	Z	23 09		
	eS	NE	29 52		
	eLQ	E	34.8		
	e	N	35.8		
	eLR	NEZ	37 27		
	eM	N	42.0		
5	eP	NEZ	02 36 05		
	e(P)	NEZ	36 09		
	e	NEZ	36 22		
	e	NEZ	36 34		
5	eP	NEZ	12 52 56		
	e	Z	53 05		
	e	EZ	53 13		
	e	Z	53 28		
	eS	NE	59 00		
	eScS	N	13 03 04		
	eLR	EZ	04 30		
5	eP	Z	13 47 53		
	e	Z	48 14		
5	e(P)	Z	19 05 50		
6	iP	NEZ	14 49 41.7	dil.N.E.	2.3
	iS	NE	54 47		
7	eP	NEZ	07 00 28	local	
	eS	NEZ	00 44		
7	eP	NEZ	09 04 28		
	e	Z	04 38		
7	e(S)	E	13 31 20		
	e(IR)	Z	37 14		
7	iP	NEZ	17 45 33.4	comp.	2.0
	e	EZ	58.3		
8	eP	NEZ	07 14 53	local	

MAWSON

November 1966

3	iP	07 35 53.5
3	iP	16 43 26.0
3	iP	21 22 07.1
5	iP	02 19 35.0
5	iP	12 57 57.7
5	iP	13 53 51.7
5	iP	20 55 16.4
7	iP	13 22 45.8
7	iP	17 50 27.6

WILKES

November 1966

1	iP	05 15 27.7
3	iP	16 43 46.2
3	iP	16 47 11.8
6	iP	23 48 02.0
7	iP	01 51 09.2
7	iP	09 07 31.2
7	iP	13 22 30.2
7	eP	13 50 08
7	iP	17 48 49.6

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PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

November 1966

9	eP	NEZ	05 19 22	local
	eS	NEZ	19 38	
9	eP	NEZ	07 03 56	
9	eP	NEZ	11 37 14	
9	eP	NEZ	22 15 16	
10	iP	NEZ	01 45 45.5	
10	e(P)	NEZ	02 02 11	
10	iP	NEZ	22 11 21.9	dil.
11	eP	NEZ	05 21 30	local
	eS	NEZ	21 46	
11	eP	NEZ	09 53 20	
	e	Z	53 36	
	e	NEZ	54 06	
11	eP	EZ	10 49 31	
11	iP	NEZ	18 04 29.4	2.4
	i	NEZ	04 30.3	
12	eP	NEZ	03 07 11	
12	eP	NEZ	05 04 15	
12	eP	NEZ	09 07(03)	
	e	N Z	22 30	
12	eP	Z	13 01 47	
	e(S)	E	11.7	
	e	N Z	35.0	
12	eP	NEZ	16 02 50	1.7
	e(S)	E	13.4	
	e	E	14.5	
	e	N Z	17 34	
12	eP	NEZ	18 51 01	2.5
	e	NEZ	51 20	
	eS	NE	55 49	
	e	NE	57 20	
	e	Z	57 53	
	e	Z	58 37	
	e	N	59 21	
12	iP	NEZ	21 48 58.5	local
13	eP	EZ	03 11 32	
	e	NEZ	11 53	
13	eP	NEZ	03 55(08)	
	e	N Z	04 00 44	
13	iP	NEZ	20 56 49.4	strong local
	iS	N Z	57 11.7	
14	eP	NEZ	08 31 00	local
	eS	NE	31 10	
14	eP	NEZ	18 06 03	
	i	EZ	08 24	
14	i(P)	EZ	18 08 24.4	

TOOLANGI (continued)

November 1966

15	eP	NEZ	00 39 16	local
	eS	NEZ	39 32	
15	eP	NEZ	05 23 46	local
15	iP	NEZ	18 09 40.7	
15	eP	NEZ	21 23 21	strong local
	eS	NEZ	23 35	

MAWSON

November 1966

9	iP	14 29 26.3
10	iP	03 13 58.1
11	iP	09 59 31.5
11	iP	15 50 52.7
12	iP	09 12 21.6
12	iP	12 02 37.8
12	iP	16 08 05.5
12	iP	18 57 14.3
14	iP	13 11 12.0

WILKES

November 1966

12	iP	18 55 23.5
	eS	03 50
	eSS	07 44

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MELBOURNE. VI

PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

November, 1966

15	eP	NEZ	22 16 01	local
15	eP	NEZ	22 24 04	local
	eS	NEZ	24 23	
15	eP	NEZ	22 32 57	local
	eS	NEZ	33 16	
15	eP	NEZ	22 41 38	local
	eS	NEZ	41 57	
16	eP	NEZ	01 17 33	local
16	eP	EZ	06 05 43	
	e	NEZ	05 49	
	e	N	14 39	
	e	EZ	16.4	
16	iP	NEZ	08 14 26.4	
	e	Z	14 35	
	e	Z	14 43	
	e	NE	21.3	
16	eP	NEZ	17 05 59	local
17	iP	NEZ	00 39 37.3	dil.
17	eP	NEZ	02 22 24	local
18	eP	NEZ	05 07 25.5	local
	iS	NEZ	07 31	
	i	NEZ	07 35	
18	eP	NEZ	05 47 51	local
	eS	NEZ	48 07	
18	eP	NEZ	09 24 40	
	e	Z	24 49	
	eS(KS)	NE	35 09	
	ePS	NE	36 02	
	eLR	NEZ	51.0	
19	iP	NEZ	02 38 42.9	comp.
19	eP	Z	05 31 31	
	i	NEZ	31 46	
19	eP	Z	07 31 57	
	e	Z	35 26	
19	e(P)	Z	07 35 26	
19	iP	EZ	07 53 54.5	
19	iP	NEZ	14 02 10.5	
19	iP	NEZ	14 18 40.5	
	e	Z	19 05	
19	eP	NEZ	14 58 38	
20	e(S)	N	04 41 16	
20	iP	NEZ	07 45 21.5	
20	eP	NEZ	16 57 21	
	e	N Z	57 30	
	e	N Z	57 43	
	e(S)	NE	17 05.6	
	e	E	12.0	
	e	N Z	14.0	

TOOLANGI (continued)

November 1966

20	eP	Z	19 03 21	
	e	Z	03 30	
	e	NEZ	03 36	
	e(S)	NE	11.5	
	e	NEZ	20.3	
21	iP	NEZ	05 04 01	local
	iS	NEZ	04 12	
21	eP	NEZ	08 14 19	
21	eP	N Z	12 02 26	
	e	NEZ	02 28	
21	eP	Z	12 31 56	
	e	Z	32 02	
21	eP	NEZ	14 29 12	
21	iP	NEZ	15 14 06.3	
22	eP	NEZ	00 31 27	
22	iP	NEZ	06 41 42.2	comp.SW. 2.2
	i	Z	41 57	
	e	Z	43 27	
	e	NE	45 17	
	e	Z	45 23	
	e	E	51 38	
	e	N	57.0	
22	eP	NEZ	07 13 41	1.7
	e	N Z	13 57	
	e	N Z	16 56	
22	eP	EZ	09 00 24	
22	eP	NEZ	12 33 46	
22	eP	NEZ	15 10 28	

MAWSON

November 1966

18	iP		09 23 55.6
19	iP		03 59 08.3
19	iP		11 40 26.5
19	iP		14 21 54.5
20	iP		03 31 15.8
20	iP		03 56 10.3
20	iP		06 06 41.4
20	iP		09 49 36.1
20	iP		16 57 18.0

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TOOLANGI - MAWSON - WILKES

Box 2831AA, G.P.O.
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Centre

TOOLANGI

November 1966

23	eP	NEZ	02	25	15	
	eS	NE		31	10	
	e	NE		32.0		
	e	NEZ		33.4		
23	eP	NEZ	20	49	34	
	e(S)	NEZ		51	17	
24	iP	NEZ	07	38	11.4 comp. W.	
24	eP	NEZ	16	58	30	
	e	Z		58	40	
	e	N Z	17	25.7		
24	eP	NEZ	19	20	14	
25	eP	NEZ	01	59	03 local	
25	eP	NEZ	03	25	59	
	e	EZ		26	06	
	e	EZ		36.5		
25	eP	NEZ	07	10	48 local	
25	eP	NEZ	07	43	16 local	
25	eP	EZ	16	39	10	
27	iP	NEZ	02	59	28.8	
27	eP	NEZ	04	46	21 local	
	eS	NEZ		46	37	
27	eP	NEZ	08	04	27	
27	iP	NEZ	13	50	28.4 comp. S.	
	e	Z		50	36	
27	eP	NEZ	14	45	10	
28	eP	NEZ	06	36	01 local	
	eS	NEZ		36	05.5	
28	eP	NEZ	10	15	40	
	e	EZ		15	48	
29	eP	EZ	00	41	54	
29	eP	EZ	02	58	23	
29	eP	NEZ	03	23	42	
29	eP	NEZ	05	02	38	
29	eP	NEZ	08	07	08	
29	iP	NEZ	20	05	47.5 dil N 1.7	
	e	N Z		05	57	
29	iP	NEZ	22	23	24.8 comp. 2.3	
	ipP	NEZ		23	58	
	ePP	NEZ		24	16	
	e	EZ		25	05	
	eS	NEZ		28	07	
	e	N		28	32	
	eSS	E		29	32	
	eLR	NE		30	31	
	e	NE		30.9		

MAWSON

November 1966

22	iP	06	48	11.9
22	iP	07	08	26.8
22	iP	09	11	46.4
24	iP	07	43	17.0
24	iP	16	57	06.4
25	iP	03	31	29.5
25	iP	05	29	17.5
27	iP	13	59	13.6
27	iP	14	48	07.1
27	iP	20	32	43.2
29	iP	22	29	32.9

WILKES

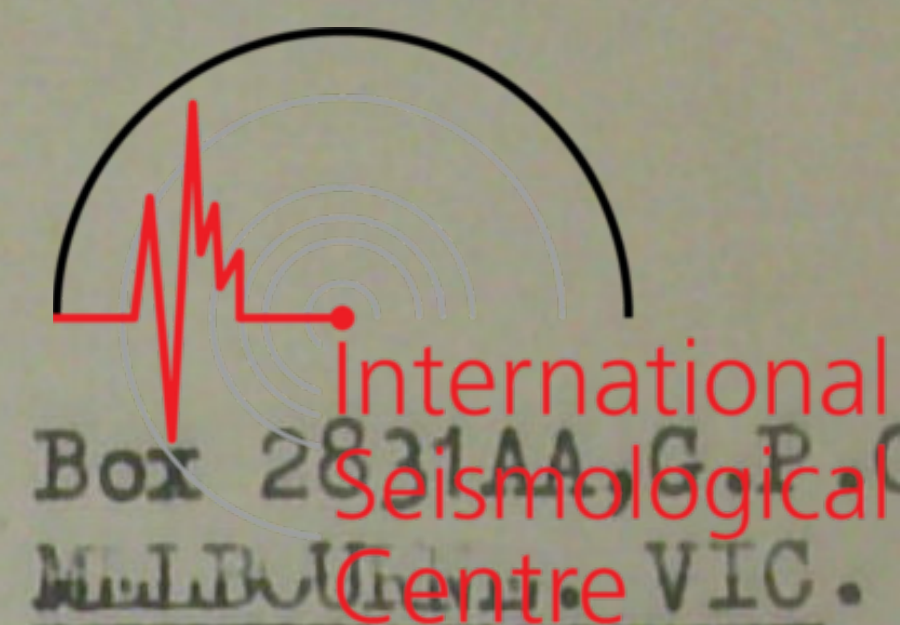
November 1966

22	iP	07	10	16.0
23	iP	02	29	38.2
	eS		38	08
	eScS		39	24
	eSS		42	14
23	iP	05	49	18.0
23	iP	09	27	51.0
23	iP	15	35	34.8
23	iP	18	50	51.9
24	iP	07	41	23.6
26	iP	02	18	43.2
	ipP		18	58.0
26	iP	02	31	06.2
	ipP		31	19.4
26	iP	19	06	08.0
	ipP		06	21.6
27	iP	10	14	55.3
27	iP	13	19	22.6
27	iP	16	07	32.5

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PRELIMINARY EARTHQUAKE PHASES AT:
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

TOOLANGI

November 1966

29	eP	NEZ	22 55 09	local
	eS	NEZ	55 25	
30	eP	NEZ	00 41 35	
30	e(P)	NEZ	02 05 13	
30	eP	NEZ	08 52 00	local
	eS	NEZ	52 11	
30	eP	NEZ	13 00 41	
30	iP	NEZ	15 30 57.3	local
	eS	NEZ	31 20	
30	eP	NEZ	22 17(11)	

December 1966

1	eP	NEZ	00 40 10	
	e	NEZ	40 24	
	eS	NE	46 26	
1	iP	NEZ	05 02 59.4	comp.S.W. 3.0
	e	NEZ	03 37	
	e	NEZ	04 22	
	ePcP	NEZ	05 43	
	iS	NEZ	07 48	
	e	NE	08 42	
	e	NE	10.4	
	e	NEZ	11.5	
1	eP	NEZ	11 46 46	
1	eP	NEZ	19 08 10	
2	eP	NEZ	07 02 08	
	e	NEZ	02 23	
2	eP	NEZ	07 51 40	
	e	Z	52 03	
2	iP	NEZ	09 39 16.3	comp. S. 2.0
	e	Z	39 36	
	eScP	Z	44 48	
	ePcS	E	44 52	
	eS	N	45.6	
	eSS	EZ	49.0	
2	iP	NEZ	12 14 15.5	
2	eP	NEZ	18 35 19	
3	e(P)	NEZ	04 00 46	
3	eP	NEZ	05 48 16	
3	iP	NEZ	14 19 10.8	dil. N.E. 2.4
	eS	NE	23 45	
	eScP	Z	24 44	
	e	NE	26.6	
3	eP	NEZ	23 44 42	
4	eP	NEZ	18 10 04	
	e	Z	10 13	
5	eP	NEZ	08 45 22	local
6	eP	NEZ	02 03 32	local
	eS	NEZ	03 39	

TOOLANGI (continued)

December 1966

6	eP	NEZ	03 29(26)	
6	eP	N Z	05 38 00	
	e	Z	38 06	
6	eP	NEZ	07 03 14	local
6	eP	NEZ	11 14 58	
6	eP	NEZ	21 26(05)	
	e	NEZ	44.5	
6	eP	NEZ	22 14 48	local
	eS	NEZ	15 04	

WILKES

November 1966

29	iP		22 27 44.4
	ePcP		28 21
	eS		36 06
	eScS		37 12
	eSS		40 12

December 1966

1	eP		05 07 20
	eS		15 41
	eSS		19 50

MAWSON

December 1966

1	iP		05 09 07.6
2	iP		09 43 39.9
3	iP		14 24 26.9

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PRELIMINARY EARTHQUAKE PHASES AT: MELBOURNE. VIC.
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

December 1966

7	eP	NEZ	02 51 18	
	e(S)	NE	53 13	
7	eP	EZ	07 01 14	
7	iP	NEZ	14 09 26.3	dil.
	i	Z	09 36	
7	eP	NEZ	16 25 30	local
7	iP	NEZ	17 08 18.0	
	e	Z	08 28	
	e	Z	08 39	
	e(S)	N	15.4	
	e	N	19.0	
	e	N Z	30.4	
7	iP	NEZ	17 30 02.4	
	i	NEZ	30 10	
	e	N	30 24.5	
8	eP	NEZ	00 13 55	
	e	Z	14 33	
8	eP	NEZ	03 14 16	local
	eS	NEZ	14 32	
8	eP	NEZ	05 08 15	local
	eS	NEZ	08 21	
	e	NEZ	08 25	
8	eP	NEZ	06 29 04	
	e	NEZ	29 08	
8	iP	NEZ	12 38 29.6	dil.
8	eP	NEZ	12 40 53	
	e	Z	41 05	
	e	NEZ	41 09	
	e	N	47.1	
8	eP	NEZ	20 10(01)	
8	eP	NEZ	23 59 18	
9	eP	NEZ	02 06 23	
9	eP	NEZ	04 06 46	
9	eP	NEZ	06 17 26	local
	eS	NEZ	17 41	
9	eP	NEZ	12 22 27	
9	eP	NEZ	23 08 25	
	e	N Z	08 35	
10	iP	NEZ	02 10 56.3	local
	eS	NEZ	11 03	
10	eP	Z	06 49 47	
	e	N Z	49 59	
10	ePKP	NEZ	13 25 25	
	e	Z	25 30	
	e	Z	25 42	
	ePP	Z	27 14	
	eSKS	N	32 30	
	eSKKS	N	34 10	
	ePPS	E	38.5	
	eSS	E	44.2	
	eSSS	N Z	48.6	
	eLQ	N	58.5	
	eLR	EZ	14 04.5	

TOOLANGI (continued)

December 1966

10	eP	EZ	16 19 54	
	e	NE	19 58	
10	eP	NEZ	18 14 57	
	e	N Z	15 02	
	e	NEZ	15 07	
	eS	NE	20 22	
	eSS	E	22 44	
	e	N Z	27.0	
	eM	E	28.5	
11	eP	NEZ	00 14 34	
11	eP	NEZ	04 41 50	local
	eS	NEZ	42 06	
11	eP	N Z	08 17 53	
	e	N Z	17 57	
11	iP	NEZ	17 41 17.7	comp.
11	iP	NEZ	18 03 15	
	e	Z	06 16	
11	e(P)	Z	18 06 16	
11	eP	NEZ	19 59 41	
11	eP	NEZ	20 01 06	
	e	N Z	01 16	
	e	Z	01 34	
	e(S)	E	08 20	
11	eP	NEZ	20 17 20	
	e	NEZ	17 34	
	e	EZ	17 50	
11	iP	NEZ	22 01 10.3	
12	eP	Z	05 33 20	
12	eP	EZ	13 06 29	
12	eP	NEZ	14 50(17)	
13	iP	NEZ	10 17 01.3	
13	eP	NEZ	20 22 52	

WILKES

December 1966

6	iP	05 10 14.0
10	eS	18 28 04
	eScS	29 16
	eSS	32 12

MAWSON

December 1966

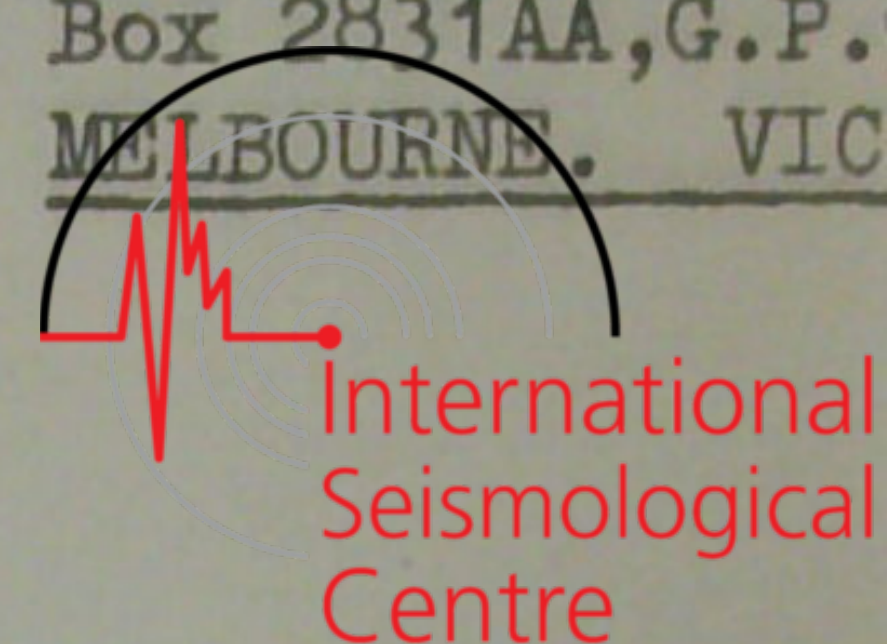
7	iP	22 28 44.9
9	iP	17 03 30.5
10	iP	10 50 44.5
10	iP	13 25 27.4
12	iP	06 05 56.0
12	iP	10 14 11.5

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MELBOURNE, VIC

PRELIMINARY EARTHQUAKE PHASES AT:-
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES



TOOLANGI

December 1966

13	iP	NEZ	23 44 30.4	
	e(S)	E	49.2	
	e	NE	50 11	
13	eP	NEZ	23 59 17	local
	eS	NEZ	59 23	
14	eP	NEZ	01 52 00	local
	eS	NEZ	52 16	
14	e(P)	NEZ	07 02 31	
14	eP	NEZ	19 35 10	
14	iP	NEZ	21 14 19.6	
	iPP	NEZ	14 45	
	e	N Z	17 36	
	eSS	N Z	19 11	
	eSSS	N	19 26	
	eLR	NE	19 57	
	ePcS	E	21 52	
	eM	N Z	23 44	
15	iP	NEZ	02 19 43.2	comp. S.E. 2.1
15	eP	NEZ	03 07 53	local
	eS	NEZ	08 09	
15	e(P)	N Z	09 33 09	
15	iP	NEZ	13 48 30.6	
15	iP	NEZ	14 38 31.2	dil. N. 2.0
15	iP	NEZ	19 10 29.2	dil. E.
	eS	NEZ	11 57	
16	iP	NEZ	21 05 18.0	comp. 1.7
17	eP	NEZ	02 15 22	
17	iP	NEZ	06 18 46	
	e	Z	18 50	
17	iP	NEZ	06 42 35.4	
17	iP	NEZ	06 44 13	
	e	Z	44 18	
17	eP	NEZ	07 48 32	
17	eP	NEZ	07 53 32.5	
	i	NEZ	53 41	
	e	Z	54 11	
17	eP	N Z	08 55 45	
	e	NEZ	55 53	
17	eP	N Z	13 35 39	
	e	NEZ	35 47	
18	eP	NEZ	06 32 38	
	e	EZ	32 48	
18	iP	NEZ	09 54 33.1	
	e	N Z	54 41	
	e	NE	10 01.8	
18	eP	NEZ	14 42 07	
19	eP	NEZ	06 14 18	local
20	eP	NEZ	06 10 01	local
20	eP	NEZ	06 59 26	
20	eP	NEZ	12 31 24	

TOOLANGI

December 1966

20	eP	NEZ	12 43 04	
20	iP	NEZ	12 55 21.5	dil.
	i	EZ	55 33	
20	eP	NEZ	13 18 12	
20	eP	NEZ	16 26 22	
	i	NEZ	27 42	
	i	Z	27 50	
	e	N Z	28 31	
	e	NEZ	28 36	
	eS	NE	31 26	
20	eP	NEZ	18 49 18	
	e	N Z	49 26	
	e	N Z	49 34	
	e(S)	NE	57.3	
20	eP	NEZ	22 01 21	
	e	Z	01 29	

MAWSON

December 1966

14	iP		04 03 17.7
14	iP		21 20 07.1
16	iP		21 05 53.3
17	iP		17 53 37.1
18	iP		10 00 46.6

WILKES

December 1966

13	eP		23 43 35
	eS		47 08
14	iP		04 05 39.2
14	iP		04 33 32.9
14	eP		21 18 29
	ePcP		18 56
	eS		27 16
	ePS		27 45
	eSS		32 22
	eSSS		34 54

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PRELIMINARY EARTHQUAKE PHASES AT :
TOOLANGI---MACQUARIE ISLAND---MAWSON---WILKES

Box 2831AA, G.P.O.
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International
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Centre

TOOLANGI

December 1966

21	eP	NEZ	04 02 11	local
	eS	NEZ	02 17	
21	iP	NEZ	08 57 25.0	comp. S. 2.5
	e	NEZ	58 22	
	e	NEZ	58 28	
	e	Z	58 47	
	ePcP	NEZ	09 00 36	
	iS	NEZ	01 48	
	iSS	NEZ	03 12	
	ePcS	NE	04.3	
21	eP	NEZ	11 31 23	
21	iP	NEZ	11 46 31	
21	eP	NEZ	20 52 42	
21	eP	NEZ	22 24 00	
22	eP	NEZ	04 52 35	local
	eS	NEZ	52 51	
22	eP	NEZ	06 48 12	regional
22	eP	Z	19 36 42	
22	eP	NEZ	23 32 12	
23	iP	NEZ	01 17 39.5	dil. N. 2.5
	i	Z	18 10	
	iS	NE	22 45	
23	eP	NEZ	01 54 09	regional
23	iP	NEZ	15 56 30.4	comp.S 2.3
	e	Z	56 46	
	e	Z	56 52	
	ePP	Z	56 57	
	ePPP	N Z	57 16	
	eS	N	16 00 59	
	iLQ	NEZ	01 29	
	eLR	NE	02 56	
	eM	E	06.7	
24	eP	NEZ	06 11 25	
24	eP	NEZ	14 02 33	
24	eP	NEZ	23 39 13	strong local
25	NIL, no time marks after 10 14 hours.			
26	eP	NEZ	01 14 39	
	e	Z	15 25	
26	eP	NEZ	07 43 48	strong local
26	eP	NEZ	16 22 31	local
26	eP	NEZ	19 01 36	
27	eP	N Z	01 33 52	
	e	N Z	34 05	
27	eP	NEZ	05 37 55	
27	eP	NEZ	05 48 35	
27	iP	NEZ	10 21 16	strong local
	iS	NEZ	21 32	
28	eP	NEZ	00 29 49	

TOOLANGI (continued)

December 1966

28	eP	NEZ	08 32 30	
	ePKP	Z	36 40	
	ePP	NEZ	37 00	
	eScs	F	45.0	
	ePS	E	46.5	
	ePSP	Z	47 45	
	eSS	E	52.0	
	eLQ	E	09 03.7	
	eLR	E	09.7	
29	eP	NEZ	05 26 01	local
	eS	NEZ	26 17	
29	eP	NEZ	12 08 29	
	eS	N	18 30	
	eSS	N	23 58	
	eLQ	N	29.6	
	eLR	N Z	33.5	
29	eP	NEZ	15 03 39	
29	eP	NEZ	22 28 29	
	eS	NE	38 33	
	e	NE	43 44	
	e	NEZ	50.0	
29	eP	NEZ	23 28 35	
	e	NEZ	28 38	
30	iP	NEZ	01 06 30.0	dil.N.E. 2.4
	i	Z	06 39	
	e	NE	14.8	
30	eP	NEZ	04 31 15	
	e	NEZ	32 58	
	e	Z	33 02	
	e	NE	36 26	
	e	NE	39 35	
30	iP	NEZ	13 20 54.1	dil.
31	iP	NEZ	18 29 27.7	comp. S.W. 2.5
	i	Z	29 41	
	e	N Z	29 43	
	e	Z	30 03	
31	iP	NEZ	18 49 44.5	2.2
31	eP	NEZ	18 59 35	
31	eP	NEZ	19 44 53	
31	eP	NEZ	21 03 53	
31	eP	NEZ	21 06 08	
31	eP	NEZ	21 36 22	
31	eP	NEZ	22 21 31	
	i	NEZ	21 43	
31	eP	NEZ	23 00 52	
<u>MAWSON</u>				
December 1966				
21	iP		09 03 33.4	
28	iP		08 30 17.7	
31	iP		18 35 32.8	
31	iP		22 27 51.7	

P.T.O.

WILKES

December 1966

20	iP	12 38 43.2
20	iP	12 40 46.8
20	iP	12 48 36.2
21	iP	09 01 39.0
	ePcP	02 30
	eS	09 30
	eScS	10 57
	eSS	13 28
22	iP	08 47 33.6
22	iP	12 33 18.0

Wilkes Seismograph Station (Antarctica)
closed down on the 23rd December, 1966.

C.A. van der WAAL,
OFFICER-IN-CHARGE

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