

SEISMOLOGICAL OBSERVATIONS
HALLEY BAY, ANTARCTICA (A. 989)

 Sent by the Crombie Seismological Laboratory, Cambridge, England. (B. 086)
 (Focal depths as in telegraphic code)

1958					Focal Depth Normal (N)
Jan.	05	eP iS	19h 20m 37s 19 21 07		
	10	iP iS	21 42 38 21 49 25		N
	30	eP eSKS	22 53 00 23 02 24		Depth 8
	31	eP ePP	06 43 13 06 45 37		N
Feb.	07	iP iSS	01 21 57 01 36 22		N
	15	iPKP eSKS	02 06 28 02 13 18		N
	16	iPKP iPP	06 23 44 06 26 06		N
Mar.	03	eSKS eSS	05 15 24 05 21 09		N
	07	iP eS	17 43 03 17 46 13		N
	09	iPKP eSKS	08 27 30 08 34 56		N

SEISMOLOGICAL OBSERVATIONS

HALLEY BAY, ANTARCTICA (A.989)

11.

Sent by the Crombie Seismological Laboratory, Cambridge, England. (B.086)

(Focal depths as in telegraphic code)

1958 March

					<u>Focal Depth</u>
					Normal (N)
11	iP	14h 12m 07s			
	iSKS	14 22 15			
13	iP	21 41 15			N
	ePP	21 45 31			
22	iPKP	10 30 18			N
	iPP	10 31 44			
23	iPKP	10 33 34			N
	iPP	10 35 00			
23	iPKP	20 32 59			N
	iSKS	20 39 35			
24	iP	01 08 26			N
	iPS	01 20 04			
28	iPKP	12 25 05			Depth 4
	eSKS	12 31 38			
28	iPKP	04 28 11			Depth 4
	ePP	04 30 08			
30	iP	14 30 29			N
	iPP	14 35 48			
30	iP	17 44 19			Depth 8
	iPP	17 47 35			

OLOGICAL OBSERVATIONS.

HALLEY BAY, ANTARCTICA (A. 989)

Sent by the Crombie Seismological Laboratory, Cambridge, England. (B.086)
(Focal depths as in telegraphic code)

1958 April				<u>Focal Depth</u>
✓01		iPKP	14h 26m 36s	N
		ePP	14 30 12	
✓03		iPKP	02 42 44	N
		iPP	02 44 13	
✓03		eP	08 38 09	N
		eS	08 48 24	
✓07		iPKP	15 51 34	N
		ePP	15 55 51	
07		iP	03 33 22	N
		eSS	03 36 56	
✓08		iP	13 33 39	Depth 4
		eSKS	13 43 37	
✓09		iPKP	04 55 12	N
		ePP	04 55 58	
✓10	1	iPKP	02 04 04	N
		eSKS	02 11 26	
✓10	3	ePKP	12 09 33	N
		ePP	12 13 00	
✓10	4	iP	13 28 13	Depth 3
		ePP	13 30 23	
✓10	2	ePKP	11 15 17	N
		ePP	11 18 33	
✓10	5	iP	19 22 28	Depth 4
		eS	19 32 40	
✓12		iPKP	13 44 28	N
		ePP	13 46 29	
✓11		iPKP	23 31 12	N
		iSKS	23 38 18	
✓13		iPKP	09 28 11	N
		eSKS	09 34 23	
✓14		iPKP	03 09 35	N
		eSKS	03 16 37	
✓14		iP	21 44 51	N
		iPP	21 48 14	
✓14		eP	23 00 54	N
		ePP	23 04 19	
✓15		iP	01 43 07	N
		ePP	01 46 31	
✓19		iPKS	23 05 50	N
		iSS	23 10 14	
✓21		iP	22 50 44	N
		iSKS	23 00 57	

12.2

Apri

1958 April

✓ 27

iPKP
eSKS

19h 23m 36s
19 30 11

N

✓ 28

iP
iSS

11 58 46
12 12 33

N

SEISMOLOGICAL OBSERVATIONS.

HALLEY BAY, ANTARCTICA (A.989)

Sent by the Crombie Seismological Laboratory, Cambridge, England (B.086)
(Focal depths as in telegraphic code)

1958 May

Focal Depth
Normal (N)

Date	Phase	Time (h m s)	Focal Depth
07	iPKP ePS	15h 06m 40s 15 17 46	
11	eP eSKS	00 49 59 01 00 45	N
12	ePKP iPP	05 58 19 06 02 24	N
12	iPKP iPP	22 36 01 22 40 01	N
15	eP ePP	07 15 40 07 19 36	N
15	iP iPP	09 56 53 10 0 47	N
18	iP ePP	02 46 00 02 49 49	N
18	iP eS	03 44 25 03 55 41	N
20	iP iPS	05 55 56 06 06 20	8
25	ePKP ePKS	15 14 22 15 17 18	N
22	iPKP ePP	11 52 45 11 56 39	N
25	iP iPP	21 23 37 21 26 37	2
26	iP ePP	09 01 39 09 04 38	4
26	iPKP eSKS	11 16 27 11 23 37	N
27	eP iPP	23 46 21 23 50 28	N
30	iPKP ePS	16 30 33 16 42 44	2
30	ePKP eSKS	18 24 40 18 31 46	N
31	iP eS	19 45 37 19 56 25	N

SEISMOLOGICAL OBSERVATIONS.

14.

HALLEY BAY, ANTARCTICA (A.989)

Sent by the Crombie Seismological Laboratory, Cambridge, England (B.086)

(Focal depths as in telegraphic code)

1958 May				<u>Focal Depth</u>
26	2	iP iSS	09h 18m 54s 09 33 53	0
26	4	iP iPP	16 29 49 16 33 33	8
27		iPKP iSKS	18 46 11 18 53 01	0
28		iP ePP	02 27 43 02 32 01	0
29		iP ePS	03 51 29 04 03 15	6
29		iPKP iPP	05 39 55 05 42 38	7
31		iP eS	08 11 28 08 19 16	0
June				
01		iP eSS	10 50 21 11 02 40	3
04		ePKP eSKS	14 49 44 14 56 48	0
06		eP eSS	09 24 15 09 24 54	0
06		iP iPP	19 28 18 19 31 44	0
07		iP iPP	13 04 12 13 06 12	0
09		ePKP ePP	16 19 01 16 23 06	0
12		iP eSS	12 07 03 12 07 25	0
12		iPKP eSKS	21 12 55 21 20 04	0
10		iPKP iPP	00 30 25 00 34 31	0
10	2	iP iS	04 11 36 04 21 26	0
11		iPKP iSKS	05 11 55 05 18 21	8
10	3	ePKP iSKS	07 22 46 07 29 28	0
15		iP iPP	15 06 17 15 09 46	8
19		eP eS	18 11 26 18 18 35	0

SEISMOLOGICAL OBSERVATIONS.

17.

HALLEY BAY, ANTARCTICA (A.989)

Sent by the Crombie Seismological Laboratory, Cambridge, England (B.086)

(Focal depths as in telegraphic code)

1958 June

Focal Depth

✓15 iP 07h 29m 44s
iPS 07 40 46

N

✓23 eP 19 29 15
eS 19 39 05

8

✓29 eP 12 53 26
eS 13 04 11

N

✓29 iPP 23 33 21
iSKS 23 40 04

N

✓30 ePKP 09 01 17
ePP 09 02 34

N

July

✓30 iP 15 18 19
iS 15 24 53

N

✓31 ePKP 02 23 40
iSKS 02 30 44

N

✓26 eP 08 43 05
eSS 08 56 00

N

August

✓01 iP 05 49 53
iS 05 59 36

7

✓01 iP 14 39 14
iPP 14 42 35

8

✓02 iPKP 12 46 56
eSKS 12 53 30

3

✓03 iP 01 17 44
iS 01 27 16

8

✓04 iP 04 26 39
iSKS 04 36 57

3

✓06 iP 21 21 51
eSKS 21 32 27

N

✓06 iP 22 02 58
iSKS 22 13 22

3

✓12 iP 19 39 13
iPP 19 43 33

N

SEISMOLOGICAL OBSERVATIONS.

HALLEY BAY, ANTARCTICA (A.989)

Sent by the Crombie Seismological Laboratory, Cambridge, England (B.086)
(Focal depths as in telegraphic code)

1958 June

Focal Depth

✓16 eP 07h 26m 34s N
iS 07 37 38

✓16 eP 08 26 07 N
ePP 08 29 46

✓20 iP 17 44 00 8
eS 17 53 38

✓23 iPKP 05 29 42 N
iPKS 05 33 22

✓24 iP 00 22 10 4
ePP 00 26 02

✓25 eP 09 50 23 N
iPP 09 54 46

✓03 iP 19 44 47 N
eS 19 55 42

✓08 iPKP 00 58 48 N
eSKS 01 05 48

✓18 ePKP 01 34 34 N
ePP 01 37 34

✓22 iPKP 05 48 12 6
iSS 05 53 11

✓23 eP 07 31 57 N
eSKS 07 42 22

✓23 eP 19 04 54 8
iPP 19 08 27

✓24 ePKP 05 07 34 N
ePKS 05 10 58

✓25 eP 12 57 41 N
ePP 13 01 47

✓28 ePKP 19 48 43 N
iSKS 19 55 41

✓29 iP 03 36 07 3
iPP 03 38 31

July

✓01 ePKP 06 13 04 N
eSKS 06 20 16

✓02 iP 05 00 00 6
iPS 05 12 06

✓03 iP 06 38 36 7
eS 06 47 38

✓03 eP 10 30 30 N
eSS 10 40 26

1958 July					Focal Depth
06		iPKP	05h 00m 56s		N
		eSKS	05 07 51		
08		iP	22 56 45		N
		iPP	22 58 29		
09		eP	14 05 52		8
		eS	14 15 31		
11		iP	19 20 21		N
		iPS	19 29 09		
16	✓	iP	13 04 37		N
		ePP	13 06 55		
16		iP	17 07 30		N
		ePP	17 11 26		
16		iP	18 53 33		N
		ePS	19 06 08		
18	✓	iP	01 59 14		2
		ePP	02 02 08		
18		ePKP	17 24 00		0
		ePP	17 28 06		
19	✓	iP	06 43 50		3
		iSKS	06 54 13		
21		ePKP	04 15 18		N
		eSKS	04 22 35		
26		eP	08 43 05		N
		eSS	08 46 00		
21		iP	18 46 09		N
		iS	18 57 03		
28	✓	iP	18 44 32		N
		iPP	18 46 45		
28	✓	iP	21 34 49		8
		ePPP	21 40 25		
29	✓	iP	21 49 30		N
		iPP	21 52 34		
28	✓	iP	17 36 15		8
		iPP	17 39 35		
31		iP	12 09 30		3
		eSS	12 20 06		
26		eP	06 22 30		N
		iPPP	06 24 33		
May					
17		eP	17 56 16		N
		eSKS	18 46 41		

436

SEISMOLOGICAL OBSERVATIONS. 18.

HALLEY BAY, ANTARCTICA (A.989)

Sent by the Crombie Seismological Laboratory, Cambridge, England (B.086)
(Focal depths as in telegraphic code)

1958 August				<u>Focal Depth</u>
✓ 22	iP	10h 09m 28s		2
	iPS	10 21 24		
✓ 22	iP	23 29 11		N
✓ 22	eS	23 37 56		
✓ 23	ePKP	22 16 48		N
	ePKS	22 20 18		
✓ 24	iPKP	17 12 52		3
	eSKS	17 19 25		
✓ 26	2 iP	16 10 54		3
	eS	15 21 38		
✓ 26	3 iP	23 44 42		N
	iPP	23 48 20		
✓ 26	4 iP	23 58 04		N
	ePPP	24 03 44		
	(that is, ePPP	00 03 44	August 27.)	
✓ 26	1 iP	13 37 16		N
	eSKS	13 47 56		
✓ 27	ePKP	15 35 18		N
✓ 27	iSS	15 35 26		
✓ 29	iP	12 37 32		N
	iPP	12 41 08		
September				
✓ 01	✓ iPKP	15 48 11		7
	iPP	15 51 15		
✓ 03	✓ iP	03 56 12		N
	eS	04 15 47		
✓ 04	✓ iPP	22 01 29		N
	iS	22 06 32		
✓ 11	iP	23 50 01		N
	iSKS	24 00 28		
	(that is, iSKS	00 00 28	September 12)	
✓ 12	iP	22 21 34		N
	iSS	22 22 54		
✓ 15	✓ iP	16 59 24		N
	ePP	17 02 03		
✓ 14	✓ iPKP	20 01 43		N
	ePKS	20 05 11		
✓ 17	ePKP	12 43 43		N
	eSKS	12 50 52		

Seismological Observations (contd.)

1958 September

Focal Depth

✓ 18

iP 03h 40m 02s
iS 03 43 13

N

✓ 18

eP 14 53 27
eS 15 03 13

N

✓ 18

iP 21 36 10
eS 21 43 42

N

✓ 19

eP 08 26 51
ePP 08 31 09

N

✓ 19

iPKP 17 38 49
iSKS 17 45 46

N

✓ 20

eP 17 23 05
iPP 17 27 10

N

✓ 22

iP 11 44 43
iPP 11 47 51

4

✓ 22

iP 19 16 53
iPP 19 19 28

N

October

✓ 14

iP 23 32 28
iPP 23 34 54

6

✓ 15

iP 11 42 57
iPP 11 45 39

N

✓ 16

iPKP 12 11 20
iPKS 12 14 47

N

✓ 17

iP 10 35 43
iPP 10 39 00

7

436

SEISMOLOGICAL OBSERVATIONS. 20.

HALLEY BAY, ANTARCTICA (A.989)

Sent by the Crombie Seismological Laboratory, Cambridge, England (B.086)
(Focal depths as in telegraphic code)

1958				<u>Focal Depth</u>
✓	21	iP	06h 28m 32s	N
✓		iPP	06 32 42	
✓	23	iPKP	16 01 43	N
✓		ePP	16 03 17	
✓	29	iPKP	00 10 03	N
✓		ePKS	00 13 36	
✓	29	ePKP	08 04 00	N
✓		iPKS	08 07 23	
	August			
✓	26	iP	14 53 45	N
		iPPP	14 59 30	
	September			
✓	12	iP	13 59 00	N
		eS	14 10 08	
	October			
✓	19	iP	11 53 47	N
✓		iPPP	11 58 15	
✓	23	iP	16 58 00	N
		eSS	17 14 25	
✓	25	iP	06 34 29	N
		iS	06 42 12	
✓	28	iP	04 22 16	N
		iS	04 28 09	
✓	28	iPKP	11 05 30	N
✓		iPP	11 07 25	
✓	27	iPKP	18 36 39	N
✓		iPP	18 40 17	
✓	29	ePKP	06 27 34	N
✓		ePP	06 31 31	
✓	29	iPKP	08 15 13	N
✓		eSKS	08 22 11	
✓	29	iPKP	19 45 27	N
		ePP	19 49 24	
	October			
✓	30	eP	10 17 26	N
		eS	10 27 34	
✓	30	eP	23 17 59	N
		iPS	23 30 34	
✓	31	ep	19 16 54	N
		ePP	19 20 57	

1958 November

Focal Depth

✓ 01	eP ePP	16h 02m 58s 16 06 24	N
✓ 01	iP ePP	12 29 22 12 32 46	N
✓ 04	ePKP ePP	08 47 40 08 50 01	N
✓ 06	ePKP iSKS	23 17 46 23 24 42	2
✓ 07	iPKP ePP	05 19 41 05 23 16	N
✓ 02	ePKP ePP	11 04 43 11 08 37	N
✓ 16	ePKP ePP	10 40 10 10 43 51	N
✓ 17	iP ePP	09 59 50 10 03 41	N
✓ 19	iP iPP	01 43 20 01 45 23	8
✓ 19	iP iPPP	19 42 54 19 48 10	N
✓ 20	ePKP iPP	06 51 06 06 54 40	N
✓ 22	iP ePPP	00 17 25 00 22 53	N
✓ 22	eP ePP	02 10 41 02 14 47	N
✓ 24	iP iPP	06 54 07 06 54 34	N
✓ 25	iP ePS	13 27 45 13 39 14	N
✓ 26	iP ePP	00 30 15 00 33 57	N
✓ 29	eP iPS	04 58 20 05 08 24	N
✓ 30	iPKP iPP	01 52 04 01 54 42	N
December			
✓ 01	iP iPP	04 54 36 04 56 28	N
✓ 03	ePKP ePKS	10 07 20 10 10 54	N
✓ 03	iPP iPPP	16 21 50 16 24 44	8
✓ 07	iPP iPPP	03 04 36 03 06 53	N