



HELSINKI UNIVERSITY
SEISMOLOGICAL STATION
BULLETIN

=====

Station Constants

Latitude: 60° 10' N.
Longitude: 24° 58' E.
Altitude: 19.9 m

Instruments

One Mainka vertical and two horizontal seismographs with mechanic registration and electromagnetic damping. The horizontal components are oriented respectively north-south and east-west.

Approximate Instrumental Constants:

	M	To	V	v	Drum speed
N	730 kg	12 sec.	140	3.5	20 mm/min
E	730 "	12 "	140	3.5	20 "
Z	300 "	3.5 "	70	2	17 "

All times are G.M.T.

Distances are measured according to the tables of Gutenberg and Richter (1937).

c = compression; d = dilatation

The address of the station:

Seisminen Asema,
Fysiikan Laitos,
Siltavuorenpenger 20,
Helsinki
Suomi (Finland)

H e l s i n k i U n i v e r s i t y
S e i s m o l o g i c a l S t a t i o n

Bulletin Number 1

October - December 1946

Oct.	02	iP	04-56-28.5	c	Distance = 60°4
		iS	05-04-45.8		
		e	05-05-14		
		eScS	05-06-11		
		eSS	05-09-11		
		eSSS	05-12-10		
		eL	05-15.5		
Oct.	02	iP	06-53-37.4	c	Distance = 60°4
		iS	07-01-55.0		
		e	07-02-23		
		eScS	07-03-20		
		eL	07-13		
Oct.	03	iP	15-43-00.2	d	Distance = 26°2
		ipP?	15-43-06.0		
		eS	15-47-33		
		eL	15-50		
Oct.	03	e	16-44		
Oct.	04	iP	14-57-21.0	c	Distance = 75°2
		iS	15-06-50.6		
		eL	15-21		
Oct.	07	eL	07-44		
Oct.	08	eL	07-04		
Oct.	10	eL	05-23		
Oct.	13	iP	21-30-11.7	c	Distance = 27°4
		eS	21-34-54		
		i	21-35-20.16		
		eL	21-40		
Oct.	14	eL	06-10		
Oct.	25	iS	22-08-20.3		Deep
Oct.	26	eL	01-14		
Oct.	30	eP	07-58-18	c	The time of S is uncertain due to strong microseisms. Time marks are lacking in the E-record.
		eS	08-07.1		
		eSS	08-11-44		
		eL	08-19		
Oct.	30	e	14-50		

- 3 -

Nov.	01	iP	11-25-20.2	c	Distance = 68.2
		e	11-25-40		
		e	11-25-55		
		ePP	11-26-46		
		ePPP	11-29-12		
		eS	11-34-12.4		
		e	11-34-35		
		e	11-35-05		
		e	11-36-52		
		eSS	11-38-25		
		eL	11-46.5		
Nov.	02	e	14-28		
		eL	14-47		
Nov.	02	eP	18-35-14.4	c	very slight
		iP	18-35-15.8	c	Distance = 33.6
		i	18-35-27		
		i	18-35-35		
		i	18-35-52		
		iS	18-40-39.5		
		F	23.0		
Nov.	03	e	02-24		
Nov.	03	e	08-05		
Nov.	03	e	12-49-07		
		e	12-51-45		
Nov.	03	e	18-52-47		
		i	18-53-08		
		i	18-54-00		
		i	18-54-15		
Nov.	03	iP	19-43-35.5	d	Distance = 69.1
		ePcP	19-44-23		
		ePP	19-46-05		
		ePPP	19-47-41		
		iS	19-52-32.3		
		eL	20.02		
Nov.	04	iP	21-53-33.7	c	Distance = 26.9
		i	21-53-51		
		i	21-54-07		
		iS	21-58-12		
		eL	22-02		
		F	23.5		
Nov.	06	iP	20-04-26.1	d	Distance = 44.2
		ePP	20-06-18		
		ePPP	20-07-06		
		eS	20-10-55		
		eSS	20-14-05		
		eL	20-18.5		

Nov.	07	eS eSS eL	16-06-13 16-07-47 16-10	P indiscernible due to microseisms.
Nov.	10	ePP eS eL	00-55-50 00-59-54 01-06	P indiscernible due to microseisms.
Nov.	10	eP ePP eSKS ePS ePPS eSS eSSS eL F	17-57.0 18-00-17 18-07-38 18-10-21 18-11-10 18-16-07 18-20.0 18-31 21.0	
Nov.	12	eL	06-30	
Nov.	12	iPP eSKS eSKKS ePPP F	17-51-40 17-57-52 18-00-52 18-03-19 20.0	
Nov.	17	e	14-07	
Nov.	17	eP eS eL	22-33-42 22-41-187 22-54	e? Distance = 54.2?
Nov.	19	eL	11-32	P indiscernible due to microseisms.
Nov.	21	iP	01-48-20.1	c Distance = 22.2
Nov.		iS eL	01-52-19.8 01-55	P indiscernible due to microseisms.
Nov.	21	eL	04-27	
Dec.	04	eS e eL	23-07-45.7 23-08-03 23-26	P indiscernible due to microseisms.
Dec.	05	e e eL?	07-19 07-24 07-48	
Dec.	09	eL	05-37	
Dec.	09	eL	12-45	
Dec.	16	eL	17-17	
Dec.	19	e eL	01-17 01-34	

Dec. 19	iP epP iS eL	03-08-39.0 03-09-12 03-17-56.0 03-33	a	Distance = 72.9 + corr. Depth about 130 km
Dec. 20	iP S F	19-30-26.6 19-39-22 23	c	Distance = 69.7
Dec. 20	eL	23-23		
Dec. 21	eL	04-15		
Dec. 21	eP ePPP eS eSS eL	10-29-37 10-34-10 10-38-22 10-43-03 10-50	c	Distance = 66.8
Dec. 21	eL	13-32		
Dec. 21	eL	13-15		Phases indiscernible due to microseisms.
Dec. 21	eL	20-22		Phases indiscernible due to microseisms.
Dec. 21	eL	20-54		Phases indiscernible due to microseisms.
Dec. 22	eL	13-59		Phases indiscernible due to microseisms.
Dec. 24	eL	04-53		
Dec. 24	eL	09-57		
Dec. 24	eL	17-11		
Dec. 25	eL	11-48		
Dec. 26	eL	08-44		
Dec. 27	eL	17-41		
Dec. 28	eL	10-40		
Dec. 29	eL	04-58		

Eijo Vesanen