H A R V A R D U N I V E R S I T Y

SEISMOGRAPH STATION---DEPARTMENT OF GEOLOGY AND GEOGRAPHY
CAMBRIDGE, MASSACHUSETTS, USA
Latitude 42° 22' 36" North
Longitude 71° 06' 59" West
Height 5.367 Meters
Foundation: Glacial sand over clay
Time: Mean Greenwich, midnight to midnight
Time correction: .5 second

INSTRUMENTS---FIXED CONSTANTS

Instrument	Symbol	Registration	Damping	Paper Speed	Mass
Milne-Shaw	43	Photographic	Magnetic	8 mm/minute	1 pound
Milne-Shaw	44	Photographic	Magnetic	8 mm/minute	1 pound

INSTRUMENTS--DETERMINED CONSTANTS

	T_o	V	Damping Ratio	Component	Deflection per second arc tilt	Date Determined
	secs				mm	
43	12.0	250	20:1	EW	44	1928 November 28
						1932 October 15
44	12.0	250	20:1	NS	44	1928 November 28
					50	1932 October 15

Owing to location in the basement of the Geological Museum, the instruments are subject to local artificial disturbances which obscure small traces from 12h to 23h on week-days.

The following scale, designed by E. A. Hodgson at Ottawa, is used in evaluating records on the basis of ten for a "perfect" record:

Epoch (s)--	None--poor	Unidentified but distinct	Identified & distinct	
No time	0	1	2	According to
Fair time	0	2	4	quality of focus
Good time	0	4	8	and absence of fog, add: 0, 1, or 2

BULLETIN NO. 14
1928 Nov. 25 to 1932 Nov. 30

DATE	DURATION	VALUE	PHASE	TIME	DIST.	REMARKS
1929 Dec 6	¼h	5	eL	12-30½		T = 19 s
6	1h	3	i(?)	17-20		Greater on EW--lines
			L	17-40		tangled
6	3h	3	e	20-45-41		
			i	20-54-10		
			eL	21-04		Greater on EW
9	2¼h	7	(e)	07-10-08		Microseisms confuse
			iN	07-11-33		
			iN	07-12-40		
			iEN	07-29-11		
			eLE	07-50 ca		T = 41 s
			L	08-03		T = 25 s
			L	08-16		T = 15 s

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1929 Dec 13	½h	3	eL	09-23		T = 22-15 s
14	¼h	2	eL	05-03		T = 15 s
14	¼h	2	eL	22-38		
14	2m	2	e	23-03		
15	½h	7	(eP)N	01-39-28	(27.6°)	(0--01-33-28)
			i(S)	01-44-14		
			eLE	01-48		T = 17 s
16	¾h	2	eL	12-17		T = 45 s
17	3½h	10	0	10-58-42	68.7°	CS gives 0=10-58.7
			eP	11-09-52		53° N 171° E
			iPP	11-14-18		
			iS	11-19-02		
			iSS	11-23-48		
			iSSS	11-27-15		
			eL	11-30 ca		
18	½h	3	eL	08-00		
18	½h	1	eL	13½h		
19	¾h	2	eL	10-58		
20	¼h	5	iE	10-38-46		Nearby (?)
			iE	10-40-01		
24	½h	5	eL	05-31		$A_E:A_N$::3:2
28	½h	2	eL	12-51		

1930 Jan 5	¾h	5	i	01-41-37		An unusual, sharp,
	irr. low-amp. L			from about 01-55		isolated phase
7	¼h	2	eL	00-42		
12	¼h	5	eE	05-37½		
			eLN	05-39½		T = 10s $A_N:A_E$::2:1
13	¼h	2	e	05-49		
			eL	05-51		$A_E > A_N$
14	1h	3	eL	22-52		T = 30-15s $A_E:A_N$::2:1
15	¼h	5	eLN	00-42-14		nearby--almost entirely
			iLN	00-43-00		on NS
15	5m	4	eLN	00-52.0		nearby--almost entirely
			iLN	00-52¾		on NS
18	1½h	3	e	07-30 ca		
			e	07-40		
			eL	07-55		
20	½h	5	eL	08-12		T = 30-22s
21	¼h	0	nearby type record with greatest amplitudes on NS, at about 4h. n.g. a/c no timing marks			
20				09h		
to 22				15h		
28	¾h	6	eL	07-16.0		
			L	07-21.5		T = 22s; A = 7μ

Feb 1	¼h	8	eS	19-15-55		P lost in microseisms
			eL_{26}	19-20.0		Ottawa gives 0=19-02-58
			L_{17}	19-23 A = 22μ		Distance 4040 km.
2	1h	6	e	15-20-55		Beginning lost in
			eL_{38}	15-27		changing records
						A_{L19E} = 32μ
7	¾h	4	eL_{26}	07-14.0		A_{L17E} = 6μ
8				20h		
to 9				20h		Heavy microseisms

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1930 Feb 12	1h	4	eE	07-00.5		
			eL	07-25.0		$A_{L17E} = 9\mu$
14	1½h	3	eLE	21-40-00		T = 23s A = 21μ
15				12h ca		
to 16				08h ca		Microseism storm
26	½h	5	(eE?)	02-41-28		
			eL	02-48.0		T = 8s A_N= 14μ A_E= 3μ
26	5m	5	eN	03-40.0		on NS only
26	5m	5	eN	04-42.0		on NS only
27	½h	3	e	07-31		
28	½h	3	e	01-10½		$A_{L19} = 5\mu$
1930 Mar 1	5m	5	e	00-02-08		
			eL	00-03		T = 11s A_N= 9μ A_E= <1μ
6	1h	0	L	16½h ca		vitiated by artificial disturbances
8	1h	4	eN	03-52-12		
			iN	03-53-01		
			iE	03-57-25		
			L?	04-01½		T = 15s; A = 4μ
8				19h ca		
to 10				03h ca		Heavy microseisms
20				09h ca		
to 22				14h ca		Heavy microseisms
26	2½h	8	eEN	07-31-37		CS gives O= 07-12-07
			e	07-34-50		8°S; 125°E
			e	07-47-13		
			e	07-53-05		Underlain by a wave of 60s period ca. decreasing to 30s and continuing for about 10 mins.
			iN	07-59.0		Beginning uncertain a/c above wave
			eL	08-10.0 ca		Irregular character
30	2h	6	eN	08-44-21		no trace on EW
			eN	08-47-21		Faint trace on EW
			eN	08-53-29		Very faint trace on EW
			eN	08-58-55		" " " " "
						T = 24s; A = 16μ
			eL	09-19-35		T = 20s; A = 6μ
30	2h	1	betw	15-17h		Faint record obscured by artificial disturbances.
31	1h	1	e?	12-53½		Obscured by " "
			L?	13-04 ca		A < 1μ
1930 Apr 13	7m	8	eLN	03-52-07		T = 7s A = 4μ practically no trace on EW
16	½h	3	eL	14-49½		T = 7s; A_N=10μ Earlier phases, ifpresent, obscured by artificial disturbances.
21	1½h	5	e	12-07½ ca		
			e	12-18½		
			e	12-24		
			eLN	12-42½		T = 18s; A = 9μ
22	5m	2	eLN	13-35		no trace on EW

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1930 Apr 26	1h	2	e	07-11 ca		Irregular; low amplitude; probably L
26	2h	9	O	16-18-00	68.2°	CS gives O=16-18-13 50.5°N; 179.5°E
			eP	16-29-07		Ground moved SE
			iS	16-38-14		
			iN	16-39-00		
			(SSS)	(16-45-45)		
			eLE	16-48¼		T = 38s
			LN	16-53		T = 19s; A = 74μ
26	1h	1	between 15-16h			vitiated by artificial disturbances
28	1½h	1	"	19-20½h		" " "
29	½	2	e	09-02		
1930 May 1	1h	4	eN	01-22-00		
			eL	01-45		A = 2μ
2	2h	4	eE	02-11½		
			e(L?)	02-37½		
			e	04-01		
2	2h	4	e	06-22		
			e	06-32		
			e	06-39¼		
			eL	07-00		T=38s; A_{L15}= 5μ
5	3½h	2	beginning about	14-06		epochs obscured by artificial disturbances
						CS gives O=13-45-32 17°N 95°E
6	¼h	0	no time service			CS gives O=22-34-24
8	1h	5	eL	14-36		T = 20s; A_E= 17μ beginning lost in changing records
8	1h	5	eN	15-57-44		
			L	16-15		Irregular low amplitude
8	¼h	5	e	23-01-07		
			eL	23-03-20		Irr. low amplitude
9	¼h	2	e	07-29-15		Irr.
9	¼h	2	L	07-54		T = 16s
9	½h	2	begins	14-24 ca		artificaldisturbances
10	1h	5	eN	22-23-42		T_{LE}= 7s; A = 4μ
			eN	22-26.0		
			eLN	22-29		T = 7s; A = 8μ
11	½h	1	L	23-33		< 1μ
12	1h	4	e	08-43.5		
			eL	08-55		Irregular
16	1h	2	eL?	03-15		Irr. low amplitude
19	1h	5	eN	03-30-21		
			eN	03-33-16		
			eN	03-36-50		
			eN	03-39½		
			eN	03-45-27		
			e	04-01½		
			eL	04-05		
19	½h	2	eL	08-48		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1930 May 20	2h	9	0	11-14-47	68.3°	CS gives 0=11-14-59
			eP	11-25-55		51°N 180°W
			eS	11-35-03		cf 1930 Apr 26
			eL	11-44½		
20				12h		
to 21				13h		no records
21	1h	3	eLE	22-24		T = 22s; A = 3.5 μ
			eLN	22-25		T = 17s; A = 4 μ
23				13½h		
to 24				15h		no records
29	½h	5	eN	08-38.1		
			iEN	08-42-54		
			iE	08-47-29		
			eL?N	08-50		
30				14h		
to 31				17h		no records
1930 June 1	¼h	0	L?	03¼h-03½h	ca	faint trace--time marks failed
1	3h	0		13½h-16½h	ca	no time marks
4	1h	3	eEN	10-12-15		
			eE	10-14-26		
			eEN	10-15		
			eE	10-30¼		
5				06h		
to 6				14h		no records
11	2½h	7	eEN	01-11-13		absolute time ± 10s
			eE	01-12-17		
			eN	01-12-21		
			e	01-23¾		
			eN	01-26		
			iN	01-29-06		
			eL	01-43½		T = 60s; A = 50 μ
			eL	01-48		
12	5m	2	eN	09-27¼		on NS only
12	½h	5	eE	09-53½		
			eE	09-57-23		
			eN	09-58-38		
			eL	10-01-03		$A_N > A_E$
			eN	10-03-53		
			eE	10-04-23		$A_E > A_N$
12	5m	1	e	10-54 ca		
13	2h	7	0	00-53-49	60.8°	CS gives 0=00-53-53
			ePE	01-04-11		52°N 172°W
			eSE	01-12-35		(No NS record)
			eE	01-19½		
			eL	01-26½		
15	½h	2	eL	08-28		T = 26, 17, 15
21	5m	1	e	07-13¾		$A_E > A_N$
			e	07-15¾		trace only
22	¼h	1	e	02-57		
23	½h	1	eL	20-37		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1930 Jun 25	2h	7	O	10-17-37	55.4°	CS gives O=10-17-38
			ePN	10-27-24		16°S 75°W
			eSE	10-35-15		
			[illegible]	10-37-15		
			eE	10-39-07		
			eN	10-45		
			eN	10-48		
			eL	10-50½		
	25	1h	2	iS	12-15-36	CS gives O=12-05-45
				e	12-17½	18°N 63°W
	25	2½h	10	O	21-21-23	56.7° CS gives O=21-21-31
				iPN	21-31-26	16°S 79°W
				iSE	21-39-23	
				iE	21-41-14	
				eN	21-43¼	
				eL	21-52	T=20-16s
	27	¼h	2	eN	05-18¾	$A_N > A_E$
	27	¼h	1	eN	10-26	on NS only
1930 July 1	1½h	8	O	01-09-18	39.1°	CS gives O=01-08-55
			ePE	01-17-02		52°N 137°W
			e	01-18-36		
			e(S)E	01-23-09		
			e	01-26-12		
			eLN	01-29½	)	Very well defined
			iL	01-30	)	groups
			iL	01-33¾	)	
	2	2½h	9	(eN	21-18-08)	CS gives O=21-03.4
				e	21-22-45	21?N 87?E
				eN	21-24-24	
				eN	21-29	
				i	21-32-28	
				eN	21-33-38	
				eN	21-38	
				eN	21-45½	
				eLE	21-49	T = 80-40-19
	5	¼h	1	L	19-09½	
	7	1h	3	eE	13-44-16	Obscured by artificial
				L	13-49	disturbances
	7	?	1	e	20-58	Irregular
	13	1h	3	e(S)	01-10-26	
				e(L)	01-14	
				e	01-15-43	
				e	01-17½	T=6.8s; an outstanding, regular, maximum
	13	1h	3	eL	02.0h	Regular, T=20s; A=6μ
	13	3m	1	eE	09-41	trace only
	13	1h	2	L	20-15	
	14	3½h	10	O	22-40-31	31.7° CS gives O=22-40.2
				iP	22-47-13	13°N 88°W
				ePPP	22-48¼	
				i	22-51-23	
				iS	22-52-31	
				L	22-54	
	15	¼h	1	L	09-20	irr. trace, A<1μ
	20	1h	2	e	11-19 ± 20s	followed by irr. trace

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1930 July 22	1h	8	O	19-26-25	80.9°	St. L. gives O-19-26,0
			eP	19-38-38		46.5°N 152.5°E
			iS	19-48-48		
			i(PS)	19-49-58		
			L	20-05 ca		irr. small amp
23	1½h	8	O	00-08-50	59.9°	CS gives O=00-09.1
			ePE	00-19-07		41°N 14.[illegible]°E
			eSN	00-27-25		
			eE	00-32		
			eE	00-34		
			eL	00-38		T=17-15 A=32μ
25	1h	0	e	21-47½±1m		abs. time unknown
26	5m	1	eN	18-04½		trace only
27	1h	1	e	08-37½		
27	1h	1	e	12-36¾		
27	3m	1	e	14-35 ca		trace only
27	1h	4	eNP	(15-08-11)		abs. time unknown
			e	(15-09-38)		
			e(S)	(15-13-41)		
			e(L)	(15-20)		
July 27	to	October 3	no time service			
Oct 8	3h	10	i(P')	10-39-41	114°	CS gives O=10-19.3
			e(PP)	10-40-38		14° S 169°E
			e(PPS)	10-51-09		
			e(SS)	10-55-45		well marked T=22S A=7μ
			e(SSS)	11-00.5		
			e(SSSS)	11-05.5		
			iLE	11-16.0		Beginning with well marked T=46S A=75μ
			grading down to T=20S A=67μ L on EW regular and much greater amp than on NS			
11	¾h	8	O	03-06-07	38.8°	
			ePE	03-13-58		
			iSN	03-20-12		
			eL	03-25.5		
17	1h	8	iE(S)	09-07-42		CS gives O=08-46.5
			iE	09-08-18		33°S 72°W
						sharp i's followed by irr. trace.
23	¼h	5	eL	09-11½		Only faint trace on NS sinusoidal L T-20S
23	2h	5	eE(?)	09-15½		superimposed on previous record small irr. trace
			eLE	09-54		no identifiable phases
24	3h	9	e(P)	20-30	108°	CS gives O-20-15.0
			(Probably earlier but uncertain a/c art. dist.			24°N 145°E

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1930 Oct 24	(cont.)		iPP	20-34-09		
			iScPcS	20-40-19		
			iS	20-41-57		
			iPS	20-43-39		
			eSS	20-49½		
			eSSS	20-53¼		
			eL	21-00		irr.
			eL	21-04½		T=30S
	25 1h	8	eS	12-19-26		CSgives 0=12-03.
			eSS	12-23-00		59°N 154°W
			eL	12-28½		T=9S
	25 h e a v y m i c r o s e i s m s					
	28 1½h	5	e	21-36.9		confused by microseisms
			e	21-49.7		and art. dist.
			e	21-57.3		
			e(L)	22-06 ca		
	30 1h	5	e	07-25-16		
			eN	07-31-09		
			eN	07-38-57		
			eLN	07-39.0		T=38S
			eLEN	07-43¼		T=19S
	31 2h	6	eE	10-45-49		
			eE	10-55-53		
			eE	11-03-16		
			eE	11-19¾		
			eLEN	11-25 ca		T=20S
	31 ¼h	1	eL	19-42		T=17S
1930 Nov 1	¼h	1	eL	13-45		T=17S
2	¼h	1	e	17-07 ca		irr. trace
	6 to 8 m i c r o s t o r m					
	9 3½h	7	e(P'?)	19-31-25		
			eN	19-31-27		
			e(SS?)	19-48-25		
			e(L?)	20-14		
	10	0		14-15 h		record lost in art. dist.
	12 1h	1	eL	19-42½		earlier phases, if any, lost in art. dist. T=20S
	17 to 19 l a r g e m i c r o s t o r m					
	20 10m	2	e	02-01		
	20 ¼h	2	e	02-32		
	20 ¼h	2	e	04-08		T=20S
	22 1h+	0		15-16 h		
	24 ¼h	1	eL	02-15		
	24 1½h	5	eE	03-19		
			eL	03-52		
	24 ¾h	5	eE	06-14-57		
			e	06-20-36		
			iE	06-21-36		
			eN	06-25½		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1930 Nov 25	½h	4	e	08-50-46		
			eL?	08-54		
25	2½h	2	P	lost in	a.d.	CS gives O=19-03.0
			eS	19-28 ca		31.5°N 138.8°E
			eL	19-46		
28	1½h	10	O	07-32-51	37.3°	CS gives O=07-32.5
			eP	07-40-18		18.5°N 107.7°W
			iS	07-46-12		
			eL	07-50		T=15S A=21μ
30	½h	2	eL	21-51¼		$A_N:A_E$::3;1
			earlier phases lost in a.d. (wind)			
						CS gives O=21-30.5
						18°N 108°W
Dec 2 - 4	m i c r o s t o r m					
3	2½h	4	early phases lost in a.d. and micros			(18.7°N 96°E) ca
			e	19-28		CS gives O=18-32.5 ca
			iLE	19-44		
			iLN	19-54		T=30-20
						A=155μ
6	1½h	7	(C)	07-03-33)		
			e(P)	07-13-54		
			iS	07-22-17		
			eL	07-35.0		T=19 A=21μ
8	½h	1	eL	09h		
8	1h	1	e	18-25½		
9	½h	2	eLN	19-34¾		$A_N:A_E$::2:1
10	¼h	2	e	04-21		
			e	04-23¾		
10	¼h	1	e	11-10 ca		
14-17	l a r g e m i c r o s t o r m					
21	1h	1	e	15-20¾		
			e	15-52¾		
22	½h	1	e	01-00		
22	¼h	1	e	05-23¾		
24	1h	2	e	06-22½		
			eL	06-36¼		
25	¾h	2	e	09-09¼		
25	¼h	2	eL	13-49		
25	2m	7	e	22-09-29		Local. Reported felt
			e	22-09-55		at Baie, St. Paul,
			iL	23-10-06		Que. Canada
27-29	l a r g e m i c r o s t o r m					
31	m i c r o s t o r m					
1931 Jan 2	½h	1	eE	00-45		sin trace
2	3h	10	O	09-48-50		CS gives O=9-48.6
			iP	09-56-23		16.4°N 108.2°W
			iPPP	09-57-53		△ Klotz 4210 km.
			iSN	10-02-22		
			eLN	10-03.5		(Q?)
			eLE	10-09		(R?) T=15S

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Jan 2	¾h	2	eLN	11-28		beginning lost in coda of previous quake
7 - 8	m i c r o	s t o r m				
8	3m	5	eE	00-15-47		Ottawa gives 0=0-13-40
			iE	00-16-18		Felt in Ottawa. Espec. near Baie, St. Paul, P.Q.
12	½h	2	eL	21-06 ca		
15	3½h	10	0	01-50-46		CS gives 0=01-50.6
			iP	01-57-28		15.5°N 96.5°W
			e	02-00		underlying roll, T=98S
			eSN	02-02-46		Press rpts from Mex.
			iSE	02-02-57		City sharpest in 19
			eL	02-06 ca		yrs
				T=11S		
				A=400/4		△ 3520 km
15	1h	1	eL	23-45 ca		
16	m i c r o	s t o r m				
16	1h	5	eN	19-33-11	(S?)	CS gives 0=19-19.4
			eL	19-41		15.2°N 96°W
						confused by microseisms
17	2h	8	0	(02-50-23)		△ 3690 km
			(ePE)	02-57-18		CS gives 0=02-50.2
			iS	03-02-47		25.5°N 110.5°W
			e	03-05		
			e(L?)	03-06		
			iL	03-07		
17	½h	1	e(L?)	05-53		Ottawa gives 0=05-35-42
						△=3710
25	1h	6	0	12-34-45		△=3960 km
			eP	12-42-00		Interpretation doubtful
			ePP	12-43-23		Ottawa gives 2850 km
			eS	12-47-45		0=12-37-41
			eL	12-55		
27	3h	8	0	(20-09¼ca)		12,000 km ca
			i(PP)	20-28-30		CS gives 0=20--?--
			i(PcP)	20-30-45		31°N 108°W tentative
			i(ScPcS)	20-34-30		Phases well-marked on
			i(PS)	20-37-56		on NS
			i(SS)	20-44-04		
			i(SSS)	20-47-59		
			e	20-52-00		
			eLE	21-00-00		
28	2½h	8	e(PP)	21-44-32		CS gives 0=21-24.4
			e(ScPcS)	21-51-12		15.5°N 143.5°E
			e(PS)	21-53-51		
			e(SS)	22-00-32		
			eL	22-11½		(Q?)
29	1h	1	e(L?)	17-31 ca		Lost in a.d.
						Ottawa gives △=4620 km
						0=17-09-12

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Feb 2	3½h	10	iP'E	23-08-04	II 129.92o	
			iP'N	23-08-12	III	
			ePPE	23-08-07	II	
			iPPE	23-08-15	III	
			i?E	23-09-04		
			iScPcP	23-09-21	II	St. Louis gives
			iScPcP	23-09-29	III	39°29'S 176°56'E
			iPPPE	23-10-53	III	I O=22-46-44
			iE	23-11-23		II O=22-46-50
			iScPcPcS	23-15-11	III	III O=22-46-58
			eS?N	23-16-53	III	(Readings by C. G.
			iScPcSP	23-18-17	III	Dahm)
			iSS	23-25-39	III	
			iPPSS	23-26-50	III	
			i	23-30-16		
7	10m	2	iLN	01-18-41		Practically no trace on E-W
7	½h	4	e	03-38-25		
			e	03-43-07		
			eL	03-48¼		
8	½h	3	eL	02-47 ca		
9			eN	02-42		No trace on E-W
10	?	?	O	06-34-ca		
			ePE	06-53-59		
			iP'N	06-54-01		CS gives O=06-33.8
			ePPN	06-57-16		5°S 101°E
			ePPE	06-57-39		
			eSS	07-16-20		
			eSSS	07-20 ca		
			eLN	07-33+		
			eLE	07-35		
11	m i c r o		s t o r m			
12	1½h	2	e	06-25-		CS gives "South of
			eL	06-46		Sumatra"
12		5	e(S?)	08-17-51		CS gives "Probably
			eL	08-23		Acapulco Deep off W. coast of Mexico
13	3½h	7	eE	01-47-39		CS gives 42°S 178°E
			ePP	01-50-28		O=01-27.1
			ePS	01-59-51		
			eSS	02-06-43		
			eSSS	02-11-38		
			iL(Q?)	02-24-07		
			eL(R?)	02-30		
14	1h	1	(e	14-41)		uncertain
			(L?	15-51)		
17	¼h	2	eL	02-49		
19	½h	1	e	18-39		
			e	19-03		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Feb 20	1½h	10	iE(P)	05-47-02		NW (rarefaction)
			iN(P)	05-47-03		
			eN	05-49-37		St. Louis 44°N 135°E
			eN	05-50-35		O=05-33½ ca
			iN	05-51-30		Dist (92°) meas'd.
			iN	05-55-41		probably deep focus
			iE	05-55-43		
			i	05-56-11		
			iE	05-57-58		
			iN	05-58-01		
			iE	05-58-37		
			iN	05-58-39		
			e	06-02		
			no normal type surface waves			
			L	06-08 ca		
	24	m i c r o	s t o r m			
Mar 2	1½h	8	eE	02-39-09		no trace on NS
			eN	02-47-00		
			eN	02-48-00		
			eE	02-50-00		only faint trace EW
			eN	02-55-43		
			iN	02-56-45		
			e	02-59-51		
			eN	03-10		
			eN	03-15		
			eLE	03-17		T=60 T_m=17
	3 - 6	e x c e p t i o n a l l y	l a r g e	m i c r o		
		s t o r m			T=7S	A=12μ
	7	1h	7	e(P)N	00-47-10		CS gives O=00-41.6
				eN	00-49-28		10°N 87.0°W
				e(S)N	00-54-00		
				L	00-58		
	8	1½h	6	O	01-49-57	68.1°	CS gives O=01-50.2
				eP	02-01-04		42°N 23°E
				iS	02-10-11		
				iSS	02-14-38		absolute time uncertain
				iSSS	02-17		±20S
				eL	02-20		
	9	2½h	6	iS	04-13		CS gives O=03-48.7
				eE	04-19½		44°N 141°E
				eE	04-22¾		absolute time ±20S
				eL	04-28½		
	11	1½h	6	i	12-51-37		CS gives O=12-26.3
				e	12-55.0		19°N 145°E
				e	13-00.0		
				eN	13-05-18		
				eN	13-08-03		
				e(L?)	13-14 ca		
	12	½h	2	e(L?)	11-37		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Mar 18	3h	0		8h + no time ser.	CS gives 08-02.3	33°S
18	2h	0		20h + "	" "	CS gives 20-13.5 72°W 6°N 127°E
19	1½h	0		6h + "	" "	CS gives 06-24.8 20°N 120°E
28	2½h	5	e	12-58-00		CS gives 12-32.2
			e	13-01-27		18°N 137°E
			i	13-07-35		(uncertain)
			e	13-11.0		
			e	13-14¾		
			i	13-19-27		
			e	13-24-20		
			i	13-29-01		
			L	lost in changing of records		
29	1h	2	e	17-43-41		
			eL	17-58		
31	1h	2	i(S?)	16-13-19		CS gives 16-01.9
			eL	16-17½		11.9°N 86°W
						Managua, Nicaragua
1931 Apr 2	1h	5	iE	02-12-54		
			iE	02-15-11		
			eN	02-16-48		
			e(L?)E	02-23		
6	2½h	9	eE	07-10-28		CS gives 06-49.5
			eE	07-11-58		"Possibly Solomon
			eE	07-22-24		Is."
			eEN	07-23-32		
			eE	07-27-38		
			eL	07-47½		$A_E > A_N$
9	½h	3	eL	23-44.0		
15	?	0		17h ca lost in tangled lines		
						CS gives 16-58.7
						46°N 29°W
16	¼h	2	eN	22-56-43		
			eLE	22-59-22		$A_E > A_N$
17	¼h	2	eL	06-24		on EW only
19	1h	7	e	02-09 ca		CS gives 02-00.0
			eSN	02-13-25		19°N 109°W
			eE	02-15-29		
			eN	02-15-54		
			eLN	02-20		A_N: A_E:: 5:2
20	2m	5	e(P)	19-55-09		CS gives 19-54.6 local
			e(S)	19-55-32		43.4°N 73.29°W
						Felt in Lake George,
22	2h	6	e	00-19-09		N.Y. region
			eN	00-21-34		
			e	00-29-13		
			e	00-37-35		
			e(L?)	00-48 ca		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Apr 24	¼h	2	eL	00-13½		
24	¼h	2	eL	02-42½		
24		0	lost in tangled lines			CS gives 17-22.1 1°N 151°E
1931 May 1	1h	8	0	22-36-50		CS gives 22-36.6
			ePN	22-43-45		8°N 70°W
			eN	22-44-53		
			eSE	22-49-11		
			e	22-51-13		
8	¼h	1	e	00-41½		trace only
9	1h	5	eSN	10-47-12		CS gives 10-34
			eSS	10-49-44		23.4°N 108.2°W
			eLN	10-52		△S-0 = 4060km
			eLE	10-53½		
12	1h	5	0	01-37-29	73.1°	CS gives 01-37.4
			eP	01-49-03		54°N 161°E "approximate"
			iSE	01-58-35		
			eL	02-18 ca		
16	1½h	8	0	20-47-17	34.3°	CS gives 20-47.2
			iPN	20-54-20		15.4°N 93.8°W
			iS	20-59-45		
			eL	21-06		
20	3½h	10	0	02-22-48	40°	CS gives 02-22.9
			iPE	02-30-39		37.6°N 16.8°W
			iSN	02-36-52		
			iN	02-40-04		
			eL	02-41		
20	?	0	lost in a.d.			CS gives 21-54.0 27.45°S 73.2°W
23	¼h	1	eL	03-36		
27	½h	1	eN	06-23		
27	1h	2	e(S)	06-55½		CS gives 06-34.7
			eL	07-10		56°N 168°E
27	1h	4	e(S)	10-33-39		CS gives 10-20.9
			eL	10-42		18°N 102°W
29	½h	4	eS	05-32-41		CS gives 05-15.8
			eL	05-38¾		57°N 157°W
			i	05-41-45		short-period activity may be nearby quake superposed
1931 June 2	¼h	1	eL	06-37		
9	1h?	0	activity lost in a.d. around 15 h and 16 h			
13	1½h	2	eL	16-33		earlier activity lost in a.d.
15	1h	6	0	11-19-57	64.7°	
			ePN	11-30-44		
			eSE	11-37-31		
			eL	11-50½		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 June 18	¼h	2	eN	00-32-20		
			eL	00-38½		
21	1h	8	e(PP)	12-32-03		CS gives 0=12-22-48
			e(S)	12-36-29		18°N 102°W
			eL	12-43		
23	1h	1	Labout07-05			no min. marks
29	1h	0	activity around 21h lost in a.d.			
						CS gives 0=20-24.3
						29°S 72°W
1931 July 5	1h	2	eN	07-19-12		
			eN	07-27-53		
			eL	07-32		
7	1h	4	eN	04-06-25		
			eN	04-11-28		
			e(L)	04-16¾		
12	1½h	4	eN	17-06-37		
			eN	17-18-03		
			e(L?)	17-40 ca		
15	1h	3	eL	17-06		
17	1h	10	0	09-13-38	33.1°	CS gives 09-13.4
			ePN	09-20-31		14°N 96°W
			eSE	09-25-58		
			eL	09-32		
18	½h	4	eE	05-45-53		CS gives 05-27.1
			iE	05-46-48		21°S 69°W
			eE	05-48-01		
			eL	(05-56)?		
18	1½h	7	0	11-23-31	76.5°	CS gives 11-23.9
			ePE	11-35-21		53°N 162°E
			eSE	11-45-09		
			eSS	11-49-36		
			eL	12-03		
20	¾h	1	eL	09-21½		
21	1h	0	iE	03-56-57		disturbance caused by
			eE	04-01-57		high wind
			eL	04-39		CS gives 03-36-01
						22°S 174°E
23	?	0	activity around 16h lost in artificial disturbances			CS gives 14-20.6
						0°N 155°E
27	1h	10	0	07-16-12	28.3°	CS gives 07-15-08
			eP	07-22-19		15.4°N 85.6°W
			iS	07-27-10		
			eL	07-30½		
1931 Aug 1	¼h	2	eL	00-42½		
7	3h	10	eP'N	02-30-52		CS gives 02-12
			eN	02-32-48		20°S? 141°E?
			i	02-34-11		
			iPS	02-43-17		
			e	02-45¾		
			eSS	02-50-22		
			e	02-58[illegible]22		
			e	03-02½		
			eL(?)	03-09½		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Aug 10	4½h	10	O	21-18-48	88.4°	CS gives 21-18.2
			eP	21-31-39		46°N 89.5°E
			i	21-33-03		
			eS	21-42-27		
			eSS	21-49½		
			eL	21-55		T-30 A-1050 μ
	13	1h	2	eL	23-07	
	18	3h	10	O	14-21-04	86.6° (s-p)
			eP	14-33-46		CS gives 14-21.3
			iS	14-44-25		49°N 90°E
			ePS	14-45-34		
			eSS	14-51¼		
			eLE	14-57¼		
	18	5m	3	eN	19-51-19	short-period. Only faint trace on EW
	23	¾h	2	eL	18-22	CS gives 18-01.4 42°N 126.5°W
	24	3h	7	ePP	21-52-54	CS gives 21-35.3
				eScPcS	21-59-37	33°N 69°E
				eS	22-00-52	
				ePS	22-02-09	
				eL	22-23½	
	25	½h	2	eL	22-40½	
	27	3½h	8	eP	lost in a.d. between 15-41 and 42 m.	
				ePP	15-44-57	CS gives 15-27.2
				eScPcS	15-51-38	29.5°N 67.5°E
				ePS	15-54-08	
				eSS	16-04	
				eL(?)	16-14	
	30	¼h	1	e	07-48-06	
				eL	07-55	
1931 Sept 6		1h	5	e	08-08 ca	
				e(S?)	08-11-57	
				eL	08-15	
	9		0	lost a/c observer in room		CS gives 13-40.4 41°N 126°W
	9	2h	8	eP'	20-56-36	CS gives 20-38
				iPP	20-57-08	20°N 144°E
				i	20-57-47	
				iScPcS	21-02-59	
				iS	21-03-59	
				ePS	21-06-29	
				eSS	21-13-09	
				eL	21-23	
	11	10m	1	eN	23-35½	
	12	½h	2	eN	02-05-43	
				eL	02-22½	
	20	0	0	no trace		CS gives O=23-05.1 40°N 84°W Western Ohio (Anna)

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Sept 21	1½h	5	e(ScPcS)	02-44-08		CS gives 02-19.8
			e(S)	02-44-47		36°N 140°E
			e(PS)	02-46-12		
			eL	03-02		
			eL	03-10		T=24S $A_E > A_N$
21	1h	2	eL	11-16		
22	1h	1	e	10-15		
26	1½h	3	eL_I	20-08		CS I O=19-49.9
			eL_{II}	20-20		II O=20-02.7
						12°N 91°W
30 to Oct 1			n o r e c o r d s			
1931 Oct 3	4h	10	ePPE	19-34-15		CS gives 19-12.8
			ePS	19-44-04		14°S 160°E
			iSS	19-52-02		
			eE	19-54¾		
			i	20-05-25		
			i(L?)	20-12		
			eL	20-15		
5	1 h	5	i	22-54-34		
			i	22-56-29		
			i	22-57-58		
9	¼h	2	e	23-47		
10	6¼h	10	ePE	00-35-45		CS gives O=00 19.8
			eP'E	00-39-14		8°S 160°E
			iPP	00-40-45		
			e	00-45-49		
			eScPcS	00-47-15		
			iPS	00-50-51		
			iE	00-52-09		
			eSS	00-57-53		
			eSSS	01-02-30		
			e	01-07½		
			eL	01-17 ca		
10	1h	3	eL	08-09		
10	1h	1	eL	17-15 ca		
12	1h	1	eN	04-02½		
			e(L?)E	04-10½		
13	1½h	1	eL	05-43		
18	1h	2	eL	01-30 ca		
18	1h	1	i	04-57½		(abs. time ±5)
			i	05-06¼		
			i	05-09¼		
			e	05-10		
26	1h	5	iS	04-37-56		CS gives 04-24.6
			eSS	04-40-40		20°N 107°W
			eL	04-43		
1931 Nov 2	1¾h	10	O	00-31-32		CS gives 00-31.8
			eP	00-38-46		15°N 96°W
			iS	00-44-16		
			eL	00-48		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1931 Nov 2	3h+	10	0	10-03-01		CS gives 10-03.0
			iPN	10-16-56		32°N 132°E
			iPP	10-21-17		
			ePPP	10-25-10		=100°
			eScPcS	10-26-17		
			iSE	10-28-40		
			ePSN	10-30-17		
			iSSN	10-36-09		
			eSSSN	10-43-17		
			eL	10-48		
2	?	0	activity between 18-20h lost in a.d.			
5	¼h	5	eLN	02-09-34		T=9S only faint trace on EW
5	¾h	5	.0	07-01-01	24.5°	
			eN(P)	07-06-26		
			eN(S)	07-10-46		
			eLN	07-13½		
5	¾h	2	eL	08-26		
5	?	0	activity between 13-14 h lost in changing records and tangled lines			
11	¼h	1	eL	04-55		
16	¾h	1	eL	10-19		
18	1½h	4	eN	03-59-30		
			eN	04-07-31		
			eN	04-25-10		
			eL	04-31½		
20	10m	1	e	10-55½		short-periods
20	1h	1	eL	15-16 ca		earlier activity lost in a.d. and changing records CS gives 14-16.8 8°S 161°E
1931 Dec 1	1½h	2	eLN	04-32		
3	¼h	1	eE	10-39-33		
5 - 7	m i c r o s t o r m					
18	¾h	1	eL	11-03¼		
24		5	eE(S)	03-57-27		
			e	04-01		
			eL	04-06½		
29 - 30	m i c r o s t o r m					
31	1h	1	eLN	01-18		
1932 Jan 3	m i c r o s t o r m					
5	1½h	10	0	01-54-04	78°.5	CS gives 01-54 26°S 113.5°W
			ePN	02-06-11		
			iSN	02-16-09		
			eSS	02-21-16		
			eL	02-27		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1932 Jan 9	2½h	10	e	10-40-08		New Hebrides?
			e	10-42-00		
			e	10-43-18		
			e	10-46-26		Deep focus
			eL(?)	10-53½		
10	m i c r o		s t o r m			
17	1h	3	eL	08-43		
20	¾h	3	e	02-47-36		
			eL	03-02		
22	¼h	1	e(L?)	00-53		
24	2½h	7	eE	04-05-08		
			e	04-06-27		
			e	04-10-19		
			e	04-14-48		
			e	04-17-48		
			eL	04-45		
24	¼h	1	e	11-00		
25	¾h	2	eL	02-55		
29	4½h	5	e	14-13-45		(126°)
			eSS	14-19-30		(7S 155.5°E)
			eSSS	14-23-57		CS gives 13-40-09
			eL	14-40		T=21 A=290 μ
			eL	15-08		
			e(W_2?)	15-40		
			eL	16-40		(second quake?)
30	1½h	1	eL	04-03		
30	1h	1	eL	08-15		
1932 Feb 3	2½h	10	O	06-15-43	23.4°	..4°
			iPN	06-21-03		CS gives 06-15.8
			iSE	06-25-16		19.3°N 76.0°W
			e(L?)	06-26½		
			e(W_3?)	09-37		
5 - 6	m i c r o		s t o r m			
16	1h	2	eL	14-42		CS gives 13-48.9
						13.5°S 179.5°W
17	1h	1	e(L?)	16-21 ca		CS gives 16-08.6
						13°N 71°W
23	2h	5	i	00-42-36		
			i	00-43-44		
			e(SS)	00-48-32		
			e	00-51-46		
			eL	01-05½		
1932 Mar 7 - 10	m i c r o		s t o r m			
14	1h	5	eN	04-18-56		CS gives 04-05.7
			eN	04-21-46		20.5°N 109.5°W
			eL	04-25		
14	1½h	5	O	22-42-43	34.2°	.9°
			eP	22-49-38		CS gives 22-42.8
			ePP	22-50-46		8.2°N 73.5°W
			eS	22-55-12		
			eL	23-00		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1932 Mar 19	2h	3	eL	11-50 ca		
25-26	3h	10	C	23-58-38	49°	
			iP	00-07-31		CS gives 23-58.5
			iS	00-14-42		62.0°N 153.0°W
			iSS	00-18-16		
			eL	00-19½		T-11S
26	2½h	7	e	10-10-16		
			e	10-15-16		
			eL	10-50		
29	m i c r o s t o r m					
1932 Apr 8	1h	2	eLN	12-46		
13	1h	2	eLN	00-48		
14	¾h	2	e(L?)E	01-49½		T=15S
16	¾h	3	eN	03-10-59		
			eL	03-17½		
22	1¾h	7	eN	05-20-42		
			eL	06-09½		
22	10m	1	eN	08-08-43		on NS only
24	1½h	5	eS	06-24-01	36.3°	CS gives 06-11.0
			e(SS)	06-26-42		26°N 112°W
			eL	06-29		
25	½h	2	eL	08-08		
26		3	iW	08-14-31		on EW only
			e(L?)	08-22¼		
29	1h	1	eL	18-50 ca		CS gives 18-18.5 49°N 175°W
30	½h	2	eL	01-39		no trace on NS
1932 May 1	½h	3	e	19-25-23		
			eL	19-26-26		T=9 ca
4	¼h	1	eE	07-08¾		
5	¾h	1	eL	09-30¼		
6	½h	1	eL	04-55		
14	3h	0	iE	13-30-34		NS out of order bal of rec lost a/c tangled lines CS gives 13-11.3 2°N 126.5°E
21	2h	10	C	10-10-19	30.5°	
			iP	10-16-41		trace A 4 mm
			iPP	10-17-42		max.. A 7½mm
			i	10-19-16		CS gives 10-10.2
			e	10-19-46		13.4°N 88.2°W
			iS	10-21-50		
			iSS	10-22-33		
			eL	10-23 ca		
22	2h	4	e	11-54-44		
			e	12-22		
			e	12-25		
			e	12-30		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1932 May 22	1h	7	O	22-39-39	32.7°	
			eP	22-36-21		CS gives 22-40.1
			ePP	22-47-25		14°N 88.5°W
			eS	22-51-45		
			eL	22-56½		
26	2h	8	eP'	16-27-04		CS gives 16-09.5
			ePP	16-29-18		20°S 176°E
			eScPcS	16-36-03		
			eS	16-38.0		
			ePS	16-39¼		
			iE	16-40½		
			iE	16-41¾		
			iSS	16-48		
			eL	?		
28	1½h	3	eN	02-40-26		
			eN	02-42-50		
			e	02-46-04		
			e	02-47-35		
			e	02-49-04		
			eL	03-15		
31	½h	3	e	08-52-17		
			e(L?)	08-56		
1932 June 3	5h	7	O	10-36-00	41.1°	
			ePE	10-43-52		compression
			ePN	10-43-55		"
			iP	10-44-15		"
			iS	10-50-13		amps. so great phase
			eL	10-53 ca		times difficult to read accurately.
						CS gives O=10-36.5
						6.5°N 104°W
3	½h	3	eL	16-47¼		
3	1h	4	eL	17-59		
3	½h	3	e	20-21		
4	¼h	1	e	00-26½		
4	¼h	1	e	00-36		
4	¼h	1	e	00-48¾		
4	¼h	1	e	02-52½		
4	½h	2	e	05-40½		
4	½h	1	e	10-56		
4	¾h	1	e	14-09		
4	½h	1	e	19-22¼		
4	1h	1	e	21-52¼		
			eL	22-00		
5	1½h	7	O	09-03-41	39.9°	
			e(P)	09-11-23		
			e(PP)	09-13-16		
			e(S)	09-17-35		
			eL	09-23		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1932 June 6	2h	10	O	08-44-33	37.9°	CS gives 08-44.2
			ePE	08-51-59		41.6°N 123.5°W
			iSN	08-57-57		
			eN	09-00-40		
			eL	09-02		
6	1h	10	O	11-49-47	23.6°	CS gives 11-49.8
			ePN	11-55-03		18.5°N 76.6°W
			eSE	11-59-16		
			e(L?)	12-03		small irr. ..
						deep focus?
8	½h	2	eL	05-19		
8	¾h	4	(O	08-05-14)	(19.5°)	
			e(P)	08-09-45		
			e(S)	08-13-21		
			eL	08-18		
8 - 15h to 9 - 15h				t i m e r e l a y f a i l e d		
14	½h	3	e	(06-18-40)		
			e	(06-23-02)		abs. time ±5s
18	4½h	10	O	10-12-01	34.9°	
			eP	10-19-02		
			iP	10-19-36		
			iPP	10-21-02		
			eS	10-24-40		uncertain a/c large amps
			eL	10-27		
18	½h	2	e	22-14-32		
			e	22-18-¾		
19	¼h	1	e	09-00-¾		
20	?	5	eN	09-08-17		CS gives 09-01.9
			e	09-09-36		13°N 88.7°W
			e(L?)	09-13-55		
20	1h	2	eL	09-46½		
21	1h	2	e	04-40-29		
			eL	04-55½		
22	3h	10	O	12-59-13	37.1°	(S-P)
			eP	13-06-33		CS gives 12-59.0
			ePP	13-08-08		19.5°N 104°W
			eS	13-12-26		
			eL	13-17		
22	½h	1	e	17-09		
23	¾h	1	eL	03-15		
1932 July 7	2½h	8	O	16-15-52	35.3°	CS gives 16-15.9
			eP	16-23-57		27.4°N 113°W
			iS	16-28-38		
			eL	16-30½		
12	3h	10	O	19-24-00	35.7°	CS gives 19-24.1
			ePE	19-31-08		25 N 110 W
			iSN	19-36-52		
			eL	19-39		
13	¼h	2	e(L)	02-46		

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1932 July 13	¾h	5	e	04-21-12		
			eL	04-24		
13	¼h	1	e	07-22		
14	1h	2	eE	09-13-54		
			eN	09-23-36		
			eL	10-01		
20	¼h	1	(e	08-07-40)		
			e	08-11-33		
			eL	08-12		
21	½h	1	eL	13-45		
25	3½h	10	O	09-12-43	35.9°	CS gives 09-12-40
			iP	09-19-52		18.5°N 103.5°W
			iPP	09-21-22		
			eS	09-25-37		
			eL	09-29		
31	½h	1	eL	06-38		
1932 Aug 2	1½h	4	e	04-47-15		
			e	04-48-13		
			eL	05-30		
11	1h	2	e	10-11		
12	3h	10	O	03-24-01	60.7°	CS gives 03-23-57
			eP	03-34-17		53°N 169°W
			iS	03-42-40		
			eL	03-55		
13	2h	2	e	21-21-20		
			eL	21-59		
14		7	(ePN	04-54-17)		CS gives 04-39.5
			ePE	04-58-21		27°N 103°E
			ePP	04-59-13		
			iN	05-04-26		
			eN	05-05-01		
			iE(ScPcS)	05-06-01		
			e(S)	05-06-50		
			eN	05-07-47		
			e(PS)	05-08		
			eLE	05-26		
17	½h	4	(O	08-46-48)	(31.4°)	
			e(P)	08-53-19		
			e(S)	08-58-35		
			eL	09-03½		
20				18h		
to 21				19h		no records
22	¾h	1	eL	12-02		
24	¼h	2	eN	03-57-40		
			eL	04-01		
25	1h	7	ePP	08-14-33		St. Louis 08-05-48
			e(S)	08-18-55		18°N 106°W
			eL	08-25		
1932 Sept 3	?	0		12-13h		activity lost a/c observer in room and a.d.

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1932 Sept 5 to 9				11h 20h		no records
9 - 10	m i c r o	s t o r m				
14	1h	8	eE	08-52-19		St. Louis interprets
			eN	08-52-40		as two quakes
			eN	08-54		I 08-43-29
			iE	08-58-57		II 08-43-41
			eN	08-59-03		60.8°N 145.6°W
			eL	09-04		If two quakes, record character indicates diff. epicentres.
15	?	0		14-16h		
16-17	m i c r o	s t o r m				
23	?	0		14-16h		St. Louis gives 0=14-22-13 42.9°N 138°E
26	2h	9	0	19-20-47	66.6°	CS gives 19h 20.8m
			ePE	19-31-44		39.5°N 24°E
			iSN	19-40-42		Damage and fatalities
			eN	19-44-48		in Greece
			eL	19-51		
29	1½h	10	0	04-57-26	66.0°	St. Louis gives
			eP	04-08-17		04-57-27
			iSN	04-17-12		40°N 24°E
			eL	04-27		
1932 Oct 1	½h	1	eL	09-08½		
2	2h	10	0	02-59-59	27.6°	CS gives 02-59.3
			eP	03-05-54		12°N 86°W
			ePP	03-07-06		Dist. interpretation
			eSN	03-10-50		doubtful a/c unusual
			iSE	03-11-36		character of S
			eL	03-13½		
			iL	03-16		
9	¼h	1	eL	01-14½		
9	¼h	1	eL	23-10		
11	1h	2	eL	19-26		CS gives 19-08.2 24°N 110°W
16	2h	5	0	12-08-05	54.9°	CS gives 12-08.1
			iP	12-17-40		54°N 158°W
			iS	12-25-27		
			eL	12-30		
23	m i c r o	s t o r m				
29	½h	3	eL	03-55¾		CS gives 03-36.3 19°N 105°W
29	¼h	1	eL	02-01		
30	1½h	3	(eS	21-04-31)		uncertain a/c a.d.
			eL	21-14		CS gives 20-47.3 54°N 156°W
31	m i c r o	s t o r m				

DATE	DURATION	VALUE	PHASE	TIME	DIST	REMARKS
1932 Nov 2	1h	7	O	11-02-44	78.9°	CS gives 11-03.4
			eP	11-14-53		23°S 111°W
			iS	11-24-53		
			i(PS)	11-25-22		
			eSS	11-29-40		
			eL	11-34¾		
	4-5 m i c r o s t o r m					
	8-10 m i c r o s t o r m					$A_N > A_E$
			T increased to 6s			T=4S (shorter than normal)
13	1½h	7	O	04-46-33	85.8°	CS gives 04-46-31
			eP	04-59-19		45°N 137°E
			iS	05-09-54		
			eSS	05-15¼		
			eL	05-19¼		
13	¾h	2	eLE	16-55		
17	2h	7	ePP	06-11-18		CS gives 06-02-46
			eS	06-15-59		18°N 103.6°W
			eL	06-23		
19	¼h	1	eN	09-19-46		
			eE	09-22		