CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U. S. A.

(In cooperation with Saint Louis University, St. Louis, Mo.—Records kept in Saint Louis)

Latitude: 37°19′ N. Longitude: 89°32′ W. Altitude: 134 m. Foundation: limestone.

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records.

No	Date	Inst	Phase	G.M.C.T.	Remarks
1	Jan. 17	W-A	(eN)	$1^h28^m46^s$	Epicenter 17°.2 N.
		W-A	eP_N	1 29 02	147°.3 E.
		W-A	eP_E	1 32 10	Δ_{P-H} = 104°0
		W-A	iE	1 33 01	H = $1^h14^m57^s$
		W-A	iPR_{1E}	1 33 16	
		W-A	eE	1 37 13	
		W-A	iS_{NE}	1 39 21	
		W-A	$eSKKS_N$	1 39 58	
		W-A	eS_N	1 40 36	
		W-A	ePS_N	1 42 11	
		W-A	eN	1 44 16	
		W-A	F	3 00±	
2	Feb. 4	W-A	iP	$17^h32^m56^s$	Local Earthquake. Felt
		W-A	iS	17 32 58	in Cape Girardeau and
		W-A	F	17 33 14	Commerce, Missouri
3	Feb. 7	W-A	eP_N	$17^h26^m39^s$	Epicenter 52°0 N., 177°1E
		W-A	iN	17 27 20	Δ_{P-H} = 63°.7
		W-A	iPR_{2N}	17 30 47	H = $17^h16^m16^s$
		W-A	eS_{NE}	17 35 20	h = 60+ km.
		W-A	iS_{NE}	17 35 22	
		W-A	iPS_N	17 35 45	
		W-A	iE	17 36 34	
		W-A	eL_E	17 47 17	
		W-A	F	18 35±	
4	Feb. 8	W-A	eP_E	$8^h11^m19^s$	Epicenter 39°.5 N., 121°.5W
		W-A	eP_E	8 11 26	Δ_{P-H} = 25°.4
		W-A	$e(S)_E$	8 15 29	H = $8^h05^m50^s$
		W-A	e_E	8 19 20	
		W-A	eM_N	8 19.4±	
		W-A	eM_E	8 21.4±	
		W-A	F	8 30±	

No.	Date	Inst	Phase	G.M.C.T.	Remarks
5	Feb.12	W-A	iP_{NE}	$00^h12^m17^s$	Epicenter 26°0 S., 71°0 W.
		W-A	$i(pP)_{NE}$	00 12 29	Pacific coast of central
		W-A	iN	00 12 34	Chile.
		W-A	$i(PR_1)_N$	00 15 45	$H = 00^h01^m32^s$
		W-A	ePR_{2N}	00 16 12	$\Delta_{P-H} = 66°5$
		W-A	eS_{NE}	00 21 07	
		W-A	F	00 45±	
6	Feb.12	W-A	e_N	$5^h44^m10^s$	Weak disturbance.
		W-A	F	5 46±	
7	Feb.12	W-A	$eSKS_N$	$8^h44^m48^s$	Epicenter 22°6 S., 177°5W
		W-A	eS_N	8 46 17	$H = 8^h21^m05^s$. h = 200 km.
		W-A	F	8 50±	$\Delta_{SKS-H} = 101°3$
8	Feb.12	W-A	eP_N	$9^h26^m39^s$	Epicenter 54°0 N.,160°0 W.
		W-A	iP_E	9 26 40	$H = 9^h17^m57^s$. h = 100 km.
		W-A	ipP_{NE}	9 26 49	$\Delta_{P-H} = 49°9$
		W-A	iS_N	9 33 47	
		W-A	isS_N	9 34 05	
		W-A	F	9 45±	
9	Feb.14	W-A	i_N	$21^h02^m30^s$	High frequency disturbance
		W-A	i_N	21 02 36	
		W-A	F	21 03 40	
10	Feb.20	W-A	$epPR_{1E}$	$02^h37^m46^s$	Epicenter 14°4 S.,166°5 E.
		W-A	e_E	02 38 24	$H = 02^h18^m20^s$. h = 200 km.
		W-A	esS_E	02 46 14	$\Delta_{pPR_1-H} = 110°0$
		W-A	e_E	02 47 19	
		W-A	F lost in following quake.		
11	Feb.20	W-A	eP_E	$03^h03^m49^s$	
		W-A	F indistinct because of preceding shock		
12	Feb.27	W-A	eP_E	$16^h19^m35^s$	$\Delta_{S-P} = 84°9$
		W-A	eS_E	16 29 55	
		W-A	F	16 31±	

No.	Date	Inst	Phase	G.M.C.T.	Remarks
13	Mar.6	W-A	e_E	$00^h17^m34^s$	Weak
		W-A	i_E	00 18 04	
		W-A	i_E	00 18 39	
		W-A	F	00 25±	
14	Mar.28	W-A	eP_E	18 53 56	Δ S-P = 24°4
		W-A	iP_N	18 53 56	
		W-A	i_E	18 54 01	
		W-A	ipP_N	18 54 09	
		W-A	iS_E	18 58 19	
		W-A	esS_E	18 58 [illegible]	
		W-A	e_E	19 00 14	
		W-A	F	19 10±	

Strong Micrcseisms February 15, 1940.

Station temporarily ceased operations April 10, 1940.

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Records read by
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