1943

BULLETIN No.....

UNIVERSITY OF QUEENSLAND

SEISMOLOGICAL STATION

BRISBANE

65

ϕ =27° 28′ 41″ S., λ=153° 1′ 52″ E., h=15m.

Foundation : Semi-consolidated alluvium of raised river terrace.

INSTRUMENTS AND CONSTANTS.

INSTRUMENT.	COMPONENT.	FREE PERIOD.	DAMPING.	MAGNIFICATION.
Milne Shaw No. 58	N.—S.	12 sec.	20 : 1	250
Milne Shaw No. 60	E.—W.	12 sec.	20 : 1	250

Both instruments have been modified by the incorporation of electric driving mechanisms. These have doubled the speed of the recording drums, which is now 16 millimetres per minute.

The station is maintained and operated by the University of Queensland assisted by a grant from the Australian Council for Scientific and Industrial Research.

DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1943 Jan. 4-7			Strong microseisms
" 9	iE	5-58-33	
	iE	6-03-21	
	eE	6-20	
	eE	17-17-35	
	eE	18-32	
" 13	eP?E	19-35-11	Obscured by microseisms
	eP?N	35-45	
	eS?E	39-58	
	eS?N	40-01	
" 14	eN	19-25-13	
	iE	26-21	
	eN	26-34	
	iN	28-45	
" 19	eN	20-08-23	
	iN	13-21	
" 22	iPE	6-45-15	
	iSE	50-19	
	iSS?E	52-14	
	eLE	54-15	
	eScS?E	56-00	

W.H. Bryan
Officer-in-charge

BULLETIN NO. 66

UNIVERSITY OF QUEENSLAND

SEISMOLOGICAL STATION

BRISBANE

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Foundation : Semi-consolidated alluvium of raised river terrace.

INSTRUMENTS AND CONSTANTS.

INSTRUMENT.	COMPONENT.	FREE PERIOD.	DAMPING.	MAGNIFICATION.
Milne Shaw No. 58	N.—S.	12 sec.	20 : 1	250
Milne Shaw No. 60	E.—W.	12 sec.	20 : 1	250

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1943 Feb. 5			Heavy microseisms
" 7	eP?N	4-31-14	
	iS?N	37-04	
	i?N	38-04	
	eSS?N	40-18	
	eP?N	5-33-17	Very similar to preceding. Probably from same centre
	iS?N	35-29	
	iSS?N	38-52	
" 16	iPN	14-42-38	Δ = 19° +
	iPPN	42-44	
	iSN	46-09	
	iSSN	46-39	
	iL_1N	48-01	
	iL_2N	49-38	
	iPN	17-55-26	Δ = 21° +
	iPPN	55-37	
	iN	56-50	
	iSN	59-18	
	iSSN	18-00-20	
	iLN	1-51	
	MN	6-50	
" 17	iPN	2-19-51	
	iPE	20-03	
	iSN	23-39	
	iSE	24-46	
	MN	26-12	
	eN	5-36-15	
	eN	39-25	
	eS?N	44-48	
	eE	44-57	
	eLN	48-16	
" 21	ePN	18-16-23	
	iSN	22-36	
" 22	eE	9-38-53	
	eN	39-42	
	eN	47-20	
	eN	55-07	
	eE	55-57	
	FN	12-24-ca	

W.H. Bryan
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Both instruments have been modified by the incorporation of electric driving mechanisms. These have doubled the speed of the recording drums, which is now 16 millimetres per minute.

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1943 March 1	iN	17- 7-50	
	iN	10-13	
	MNE	17-20	
" 2			Record incomplete
" 3	ePE	2-33-37	
	ePN	33-39	
	eSE	37-29	
	eSN	37-38	
" 6			Strong microseisms
" 7	eP?N	2-50-09	
	eS?N	3-09-16	
	eSS?N	14-20	
	iLN	24-27	
" 9	iPN	10-02-07	Δ = 93° ca.
	ePE	02-08	
	iPPN	5-39	
	iSKSN	12-42	
	iSKKSN	13-01	
	eSE	13-11	
	iSN	13-19	
	iPSN	14-26	
	eSSE	19-16	
	iSSN	19-32	
	iN	26-19	
	iL_1N	34-03	
	iL_2N	40-16	
	FN	13-11-ca	
" 10	ePN	8-28-35	Apparently from same centre as preceding quake. Record of E-W component so weak that phases could not be recognised.
	ePPN	32-09	
	iSKSN	39-07	
	iSN	39-34	
	ePSN	40-38	
	eSSN	45-53	
" 11	iPN	9-38-04	Δ = 17° ca.
	iSN	41-12	
	iSSN	41-27	
	iL_1N	42-27	
	iL_2N	43-48	

DATE	PHASE	G. M. T. h. m. s.	REMARKS.
March 12	eN	18-32-13	
	iN	36-41	
	iE	37-22	
" 14	iP?N	8-50-07	
	iS?N	54-04	
	iPN	17-14-51	Δ = 17° +; Trace amplitudes of
	iSN	18-04	long waves to 22 mm.
" 15	iPE	2-28-10	Δ = 16° +
	iPN	28-14	
	iSN	31-17	
	eSE	31-34	
	iPN	4-55-21	
	iPPN	56-48	
	eN	58-55	
	eSN	5-01-07	
	eGN	4-02	
	eL2N	8-49	
	eE	12-09-59	
	eN	10-05	
	eN	13-12	
	eE	13-16	
	iPE	14-14-16	Δ = 17° ca.
	iPN	14-18	
	iSN	17-27	
	eSE	17-38	
	iPE	14-51-13	Similar to preceding, but smaller
	ePN	51-16	amplitudes.
	eSN	54-26	
	eSE	54-33	
	iPN	23-05-12	
	iPE	5-13	
	iPPN	6-47	
	iPPE	6-51	
	iNE	9-53	
	iSN	11-44	
	iE	12-33	
	iSSN	15-14	
	iGN	17-17	
	eL1E	19-59	
" 16	iPNE	23-07-20	Δ = 17° ca.
	iSE	10-28	
	iSN	10-31	
" 18	iPNE	10-48-29	
	iSN	51-31	
	eSE	51-51	
	eL1E	52-58	
	eL1N	53-08	
	MN	56-08	
" 20			Record confused
" 21	iPN	20-40-35	Δ = 22° ca. Trace amplitudes of
	iSN	44-28	long waves to 40 mm.
" 22	iPN	8-32-00	Δ = 42° ca.
	iPE	32-02	
	iSN	38-17	
	iSE	38-22	
	iSSN	41-45	
	iSSE	41-46	
	eL2N	47-58	

DATE	PHASE	G. M. T. h. m. s.	REMARKS.
March 23	iPE	8-58-47	
	ePN	58-53	
	iSN	9-02-32	
	iSE	2-33	
" 25	iPN	18-40-32	Δ = 92° ca.
	iPPN	44-11	
	eSKSN	50-58	
	iSE	51-29	
	eSN	51-39	
	ePSNE	53-03	
	iSSN	57-55	
	iSSSN	19—03-02	
" 26	iE	17--44-04	
	iN	44-09	
	iNE	44-58	
	iN	50-05	
	iE	51-56	
	iE	54-45	
	iN	54-48	

W H Bryan.

W.H. Bryan
Officer in Charge.

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1943 April 1	ePN	14-27-02	Δ = 49° ca.
	iPE	27-03	
	iSN	34-02	
	iSE	34-06	
	iN	38-12	
	iL_2?E	45-49	
	FN	16-45-ca	
" 3	iE	13-20-19	
" 5	iPN	20-50-00	
	iPPN	50-14	
	eSN	53-47	
	iSSN	54-04	
	eL_2N	57-17	
	MN	57-44	
" 6	iPN	16-21-43	Δ = 115° ca
	ePPE	25-45	
	ePPN	26-02	
	iSKSE	31-58	
	eSKSN	32-04	
	iSKKSN	32-54	
	iPSE	35-49	
	iPSN	35-52	
	iSSN	41-32	
	eL_2E	17-06-41	
	FN	19-30-ca	
" 7	iN	23-38-08	Strong microseisms
	iN	42-02	
" 9	iPN	8-57-17	Δ = 43° +
	iPcPN	59-07	
	iP_cPE	59-11	
	iSN	9-03-42	
	eSE	03-44	
	iSSE	6-43	
	iSSN	6-54	
	eGN	7-55	
	eGE	8-19	
	eL_1N	10-34	

DATE	PHASE	G. M. T. h. m. s.	REMARKS
April 11	eP?N	14-59-35	
	iSN	15-05-08	
	iSS?N	6-29	
	iL1N	9-37	
	iL2N	-:-12-44	
" 13	iPE	12-36-38	
	iPN	36-43	
	iPPE	38-10	
	iPPN	38-12	
	iSE	42-32	
	eSN	42-33	
	iSSN	45-25	
	eGN	46-04	
	eScSN	46-29	
	eL1E	48-33	
	eL2N	51-45	
" 16	eE	16-44-13	
	iN	47-27	
" 17	eE	2-48-51	
	iE	51-04	
	iE	52-52	
	iE	53-57	
	iE	56-21	
" 21			Strong microseisms
" 22			
" 25	eN	21-05-42	
	eN	10-14	
	iN	14-52	
" 26	eN	1-26-03	
	iN	28-02	
	iN	28-36	
	eN	31-38	
" 28	iPE	23-47-59	Δ = 21° ca
	iE	50-19	
	iSN	51-42	
	iSE	51-44	
	iN	58-03	

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1943			
May 2	eN	17-45-56	
	eN	49-18	
	eN	56-12	
	eN	57-58	
	FN	19-45-ca	
" 3	ipPNE	2-07-51	Δ = 47° ca
	iPE	8-13	Depth = 100 km ca.
	iPN	8-16	
	iPPNE	10-07	
	iSNE	15-05	
	iSSN	18-09	
	iSSE	18-13	
	iGE	19-59	
	iGN	20-02	
" 6	iS?N	9-39-29	
	iSS?N	43-07	
	eGN	45-38	
	MN	51-30	
" 7	iN	8-14-36	
	eN	16-06	
" 8	eE	4-43-23	
	iE	44-52	
	eE	5-38-35	
	iE	39-07	
" 10	iPN	10-07-12	
	iPE	7-14	
	eSN	10-36	
	eSE	10-44	
	iL_1N	12-25	
	$1L_2N$	13-48	
	MN	13-59	
" 11	ePN	9-11-15	
	iSN	15-26	
	eSE	15-27	
	iGE	15-52	
	iGN	15-57	
" 13	iN	17-37-14	
	MN	45-34	

DATE	PHASE	G. M. T. h. m. s.	REMARKS
May 18	iPN	6-11-29	
	iPPN	12-46	
	iSE	16-59	
	iSN	17-02	
	iGN	19-57	
	iL_2N	24-04	
" 25	iPE	23-15-33	$\Delta = 43°$ ca.
	iPN	15-36	
	iPPN	17-33	
	iPPE	17-42	
	iSN	21-55	
	iSE	21-58	
	iSSN	25-14	
	MN	33-50	

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1943			
June 3	eN	12-20-27	
	iSN	21-18	
	iN	21-58	
" 7	iPN	23-29-38	
	iSN	37-12	
	iL_2N	47-04	
" 8	iPN	20-52-09	
	eSN	59-42	
	iSSN	21-03-03	
	iGN	5-51	
	iL_2N	10-49	
" 9	ePN	3-15-28	
	eSN	23-31	
	iSSN	27-35	
	iGN	30-45	
	iL_1N	34-41	
" 12	iPE	16-21-25	
	iSE	25-01	
" 13	iPN	5-22-59	Δ = 67° ca.
	iSN	31-51	
	iSSN	36-10	
	iL_1N	44-32	
	eL_2N	50-02	
	iPN	8-48-18	Aftershock of preceding quake ?
	iSN	57-08	
" 18	eP?E	16-51-27	
	eSKS?E	17-01-48	
	iSSN	10-30	
	iSSE	10-36	
" 24	iPE	20-25-38	
	iPN	25-41	
	iSE	28-57	
	iSN	28-58	

DATE	PHASE	G. M. T. h. m. s.	REMARKS
June 25	ipPN	19-18-31	
	iPE	18-37	
	iPPE	20-02	
	iN	22-42	
	iE	22-46	
	eSE	25-30	
	eSN	25-40	
	iSSE	28-23	
	iSSN	28-24	
" 29	iPN	9-12-26	Δ = 38° +
	iPE	12-28	
	iPPN	14-02	
	iSE	18-20	
	iSN	18-23	
	iGE	21-25	
	iGN	21-27	
" 30	iPN	10-55-02	Δ = 28° +
	iPE	55-03	
	iSE	59-51	
	iSN	59-52	
	iL_1N	11-03-02	
	iL_1E	3-03	

W.H. Bryan

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Govt. Printer, Brisbane.(83)

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1943			
July 5	eE	13-48-06	
	eN	48-09	
	eN	49-46	
	eE	52-07	
	iN	57-43	
	iN	59-00	
" 7	iPN	12-50-07	
	iSN	54-11	
	iSSN	54-26	
	iL_1N	56-02	
" 8	ePN	14-44-57	
	ePE	44-59	
	eSN	49-20	
	eSE	49-24	
	eSSN	50-07	
	eL_1N	52-15	
	eL_1E	52-17	
" 11	ePN	2-15-42	Δ = 34° +
	iPPN	16-59	
	iSN	21-12	
	iSSN	23-13	
	iGN	23-44	
	iL_1N	25-28	
	iL_2N	28-55	
	FN	4-20-ca	
" 14	eP?N	19-47-22	
	eP?E	47-23	
	eE	54-23	
	eN	54-25	
	iN	57-21	
	eE	58-01	
	eN	58-44	

DATE	PHASE	G. M. T. h. m. s.	REMARKS
July 18	iPN	8-04-56	
	iPPN	5-26	
	iSN	8-49	
	iGN	9-16	
" 23	iPE	15-01-14	
	iS?E	7-40	
" 29	eN	3-22-07	
	eN	31-27	
	eN	37-36	
	iN	43-55	
	FN	5-50-ca	

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Govt. Printer, Brisbane.(8)

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1943			
August 1	iPN	16-22-31	Δ = 17° ca
	iSN	25-37	
	iL_1N	26-54	
	iL_2N	28-29	
" 2	iPE	0-51-22	Δ = 20° +
	iPN	51-23	
	iPPN	51-32	
	iSN	55-22	Trace amplitude of S to 17 mm.
	iSE	55-23	Trace amplitude of S to 34 mm.
	iL_1N	56-44	
	iL_2N	58-58	
	FN	3-00-ca	
	iPNEZ*	8-41-54	
	iSE	45-44	
	iSN	45-46	
	eL_2N	49-50	
" 6	iPZ*	10-42-46	
	eE	43-27	
	iN	48-20	
	iN	51-31	
" 7	eE	10-20-33	
" 9	eE	17-05-39	
	eE	12-20	
	iE	15-37	
" 10	iPN	13-55-34	
	iPE	55-41	
	iN	14-00-16	
	iE	0-21	
	iSN	1-54	
	eSE	2-01	
	iSSN	4-48	
	iGN	5-43	
	iL_1N	8-39	
	iL_2N	11-48	

DATE	PHASE	G. M. T. h.	m.	s.	REMARKS
August 14	iPE	8	13	18	
	ipPE		13	33	
	eSE		17	40	
" 17	eE	13	21	25	
	eE		27	28	
" 20	iN	1	36	53	
	iN		40	11	
" 23	iPZ*	7	11	21	
	iPPN		11	36	
	ePPZ*		11	40	
	iSN		15	41	
" 27	eN	0	47	41	
	eN		53	09	

* Readings obtained from Vertical Benioff during trials.

W.H. Bryan

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Govt. Printer, Brisbane.(8)

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
	Readings of Z are based on new Vertical Benioff Instrument.		
1943			
Sept. 5	iPN	8-42-18	
	ePPN	43-54	
	eN	47-16	
	iSN	48-30	
	iGN	51-27	
	iL$_1$N	53-52	
" 6	iPN	3-47-10	Very strong. All phases with very large amplitudes but records overwritten.
	iPE	47-12	
		4-40-ca	N.-S. instrument deranged.
" 7	eE	13-37-32	
	eN	39-25	
	iN	45-14	
" 8	eE	14-58-57	
	eE	15-01-56	
	eN	2-22	
	eN	2-53	
	eE	2-55	
	eE	8-19	
" 10	iPNZ	8-47-42	Δ = 65½° ca.
	ePcPE	48-32	Damage in province of Osaka, Japan
	iPPN	49-58	
	iN	53-34	
	iSNE	56-26	
	iScSE	57-24	
	iSSE	9-00-36	
	iGE	4-43	
	eL$_1$E	8-42	
	eL$_2$N	12-45	
" 11	iPZ	19-40-33	Δ = 32° +
	ipPEZ	40-36	
	iPPE	41-52	
	iSE	45-50	
	iGE	48-09	
	iL$_1$E	50-15	
	iL$_2$E	53-07	

DATE	PHASE	G. M. T. h. m. s.	REMARKS
Sept. 12	iN	1-38-35	
	iN	44-49	
	iN	47-59	
	eN	52-35	
" 13	iPZ	5-21-23	
	iPZ	21-46-41	
	iPZ	22-22-34	
	iPE	22-35	
	iN	23-16	
	eN	27-14	
	iE	27-22	
	iE	28-14	
	eL_1?N	29-34	
" 14	iPZ	0-18-26	
	eN	19-03	
	eZ	19-08	
	eN	20-21	
	iN	21-41	
	iPN	2-05-04	All phases strongly developed
	iPZ	5-05	
	iPPZ	5-13	
	iPPN	5-16	
	iPPPN	5-28	
	iPPPZ	5-29	
	iSZ	8-08	
	iSN	8-12	
	iL_2N	11-34	
	iPZ	3-51-08	Very similar to above and probably from same centre.
	ipPN	51-12	
	iPPN	51-23	
	iPPZ	51-25	
	iPPPN	51-31	
	iPPPZ	51-34	
	iSZ	54-07	
	iSN	54-13	
	iZ	54-41	
	iPZ	7-23-38	
	ipPZ	23-43	
	iZ	24-05	
	iSZ	26-44	
	iPE	14-01-02	
	iPZ	1-04	
	iN	4-21	
	iEZ	8-03	
	iN	8-05	
	eN	9-22	
	iSE	9-37	
	iSZ	9-38	
	eE	12-56	
	iN	12-58	
" 16	iPZ	12-53-22	
	iE	53-46	
	iN	53-47	
	iZ	56-35	
" 17	iE	4-26-41	
	iNZ	26-43	
	iN	27-43	
	eE	27-49	
	iZ	27-56	
	iN	30-03	
	eN	32-14	

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DATE	PHASE	h. m. s.	REMARKS
Sept. 17	iPN	9-13-41	
	iPZ	13-42	
	ePe	13-47	
	iPPE	13-56	
	iPPN	13-57	
	iZ	14-00	
	iPPPN	14-21	
	iSNE	17-04	
	iSZ	17-07	
	iZ	21-30	
	iZ	14-17-04	
	iZ	17-59	
	iE	22-50	
	iE	23-42	
	iZ	24-12	
	iZ	24-48	
	iZ	25-30	
	iZ	26-52	
" 22	iPN	23-23-35	Δ = 26° +
	iPE	23-36	
	iPZ	23-38	
	iPPN	24-03	
	iPPE	24-07	
	iSN	28-05	
	iSE	28-07	
	iSSE	28-53	
	iL_1E	30-49	
	iL_2E	33-19	
	ME	34-12	
" 27	iPZ	22-09-11	
	iPE	9-12	
	iPPZ	9-29	
	eZ	12-54	
	iSE	13-33	
	iL_1E	16-07	
	ME	17-59	
" 28	iPNZ	10-53-57	
	iZ	55-43	
	eN	55-50	
	iE	11-00-40	
	eZ	0-44	
	iZ	0-51	
" 30	iPN	7-21-32	
	ePE	21-33	
	iPZ	21-36	
	iN	25-31	
	iE	25-35	
	iE	26-04	
	eN	27-51	
	iPN	11-58-13	
	iPZ	58-14	
	eE	58-23	
	iN	12-02-14	
	eE	2-19	

W.H. Bryan

W.H. BRYAN
Officer-in-Charge.

Govt. Printer, Brisbane.(9½)

UNIVERSITY OF QUEENSLAND

SEISMOLOGICAL STATION

BRISBANE

ϕ =27° 28′ 41″ S., λ=153° 1′ 52″ E., h=15m.

Foundation : Semi-consolidated alluvium of raised river terrace.

INSTRUMENTS AND CONSTANTS.

INSTRUMENT.	COMPONENT.	FREE PERIOD.	DAMPING.	MAGNIFICATION.
Milne Shaw No. 58	N.—S.	12 sec.	20 : 1	250
Milne Shaw No. 60	E.—W.	12 sec.	20 : 1	250

Both instruments have been modified by the incorporation of electric driving mechanisms. These have doubled the speed of the recording drums, which is now 16 millimetres per minute.

The station is maintained and operated by the University of Queensland assisted by a grant from the Australian Council for Scientific and Industrial Research.

DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
Readings of Z are based on new Vertical Benioff Instrument.			
1943			
Oct. 4	iPE	10-43-58	*
	iPN	43-59	*
	iSN	x47-31	*
	iE	47-49	*
	MN	52-08	*
	iE	16-16-19	
	iE	19-14	
" 5	iPN	11-34-08	*
	ePE	34-11	*
	eSN	37-42	*
	eSE	37-47	*
" 7	iPZ	7-52-04	
	iPZ	10-48-04	Compression *
	iPNE	48-05	*
	iPPZ	48-20	*
	iSE	51-37	*
	eSN	51-42	*
" 11	iPZ	6-27-51	
	iSN	31-08	
	eSE	31-14	
	eSZ	31-15	
" 16	ePE	0-32-05	
	iSE	36-25	
	iSS?E	37-04	
	iL?E	41-49	
" 17	iS?N	22-41-43	
	iN	45-31	
	iN	46-51	
	iN	49-35	
" 21	iNZ	23-14-26	
	iN	19-28	
	iZ	19-31	
" 23	iPZ	17-35-19	Compression
	iPE	35-21	
	iZ	35-36	
	iSE	45-12	
	eSZ	45-20	

* Very similar. Probably from same centre.

W H Bryan

Officer in Charge.

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
	Readings of Z are based on Vertical Benioff instruments, the free period of which is 1.5 seconds.		
1943			
Nov. 2	ePN	18-21-47	
	ePPN	25-45	
	iSKSN	32-27	
	eSKKSE	32-43	
	iSSE	39-40	
	iL$_1$E	53-02	
" 3	iPZ	14-46-09	Δ = 93°+. Probably from same centre as previous earthquake.
	iSKSN	56-47	
	iSSN	15-03-38	
	iSSSN	7-45	
	eGN	14-11	
" 6	iPEZ	6-27-03	
	iSE	31-27	
	eGE	33-01	
	iPEZ	8-37-30	Dilatation W. Δ = 28.9°
	iSEZ	42-21	Trace amplitude 29 m.m. Trace amplitudes of surface waves to 10 c.m.
" 7	iN	0-29-13	
	iN	6-45-41	
	eN	47-33	
" 8	iPN	6-22-18	
	iPZ	22-20	Compression
	eE	22-28	
	iSN	26-29	
	eSZ	26-30	
	iSE	26-31	
	iPNZ	22-34-03	Dilatation N.
	ePE	34-07	
	ePPN	34-18	
	iSN	38-01	
	iSE	38-02	
	iSZ	38-03	
	iSSN	38-28	
	iL$_1$E	40-19	
	iScSE	44-48	

DATE	PHASE	G. M. T. h. m. s.	REMARKS
Nov. 9	iZ	7-56-50	
	eE	8-05-04	
	eN	5-30	
	iZ	6-04	
	iPZ	11-57-46	
	iZ	58-08	
" 11	eN	3-30-22	
	eZ	30-25	
	iN	33-05	
	iPNEZ	4-50-06	Dilatation N.
	ipP?N	50-18	
	ipP?EZ	50-19	
	iSN	54-28	
	iSE	54-31	
" 12	iPNZ	7-21-07	Compression
	iSN	25-03	
	iSEZ	25-04	
	iSSE	25-32	
" 13	eE	10-56-13	
	iPEZ	18-48-01	
	iPPE	48-24	
	iSE	51-25	
	iL_1E	53-38	
	iL_2E	54-46	
	ME	55-55	
" 14	ePN	3-55-36	
	iSN	58-53	
" 15	iN	15-44-12	
	eN	48-03	
	iN	48-33	
	iN	50-42	
	eN	20-57-45	
	eN	21-01-22	
" 16	iPNZ	16-50-28	Dilatation
	iZ	50-37	
	eSN	54-23	
" 17	iPZ	18-42-54	
" 18	iPZ	18-41-31	Dilatation
	iPN	41-33	
	iSN	45-02	
" 24	iPZ	6-51-58	
	iPPN	52-05	
	iSN	56-01	
	iSSN	56-30	
	iN	13-27-08	
	iZ	27-13	
	eN	35-04	
	iN	36-18	
	iN	38-08	
" 26	iPZ	21-34-56	Δ = 55° ca.
	iSE	42-36	
	iSN	42-37	
	eSKSN	44-31	
	eSSN	46-31	
	iL_1N	53-25	
	iP'Z	22-39-59	Δ = 131° ca.
	iPPZ	42-03	Damage and loss of life in Central
	iPPNE	42-04	Turkey.
	eSKSN	47-08	
	eSKSE	47-11	
	eSKKSN	49-12	
	iSSN	59-29	
	iSSZ	59-30	
" 28	iPN	6-28-18	
	eSN	34-40	
	eS_cSN	38-06	
	iL_1N	41-54	

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DATE	PHASE	G. M. T. h. m. s.	REMARKS
Dec. 14	ePZ	18-52-52	
" 17	iPZ	14-03-55	
" 18	ePZ	19-18-46	
	ipPZ	18-50	
" 20	iPZ	13-29-42	Dilatation
	iZ	35-35	
" 23	iPNZ	19-05-05	Compression. H = 19h.00m.08s.
	iPE	5-07	Δ = 22.4°. Azimuth 359° E.of N.
	iZ	5-24	Epicentre calculated at 5.0°S,
	iSNE	9-04	152.5° E. Initial amplitude of
	iSZ	9-06	SN 120 m.m.
	iZ	10-18	Amplitudes of long waves off
	iZ	42-25	record.
	iZ	20-31-31	
	FN	23-00-ca	
" 24	iPZ	1-11-30	
	iPZ	1-52-49	
	ipPZ	52-54	
	esZ	56-21	
	iPZ	4-02-36	
	iS?Z	6-41	
	eZ	6-01-27	
	eZ	11-49-22	
" 27	eN	0-53-14	
	eN	57-17	
	eE	4-00-44	
	eN	00-47	
	iE	5-26	
	iN	5-38	
	iN	9-05	
	eE	9-27	
	MN	13-35	
" 30	iPZ	6-29-15	
	ePN	29-16	
	iSN	33-05	
	iZ	34-28	
	iPZ	7-41-47	Dilatation
	iPN	41-48	
	iSN	46-34	
	iSS?N	47-31	
	MN	51-15	
	iPZ	10-24-52	
	iPN	22-07-26	Dilatation from N.
	iPZ	7-29	Δ = 22½° ca.
	iSN	11-26	
	iSZ	11-28	
	iSSN	12-20	
	iL_1N	13-48	
	iL_2N	16-23	
	MN	22-55	

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DATE	PHASE	G. M. T. h. m. s.	REMARKS.
1940			
Jan. 1	iN	12-20.4	
	eN	23.2	
	eN	26.9	
" 2	eN	11-29.7	
	eN	35.0	
	eN	45.1	
" 4	eN	1-20.6	
	eN	22.5	
" 6			No record
" 17	iPNE	1-21.1	Δ = 45° ca.
	iSE	27.7	
	iSN	27.8	
	iSSN	31.1	
	iSSE	31.2	
	MN	39.1	
	ME	41.3	
	eN	13-19.0	
	eN	22-52.0	
" 21	eN	5-27.7	
	iN	29.1	
" 22	eN	0- 0.7	
" 24	eN	1-43.5	
	iPN	17-54.3	Δ = 21° ca.
	iSN	58.0	
" 26	iPNE	6-45.9	Δ = 19° ca.
	iPPE	46.2	
	iPPN	46.3	
	iSNE	49.3	
	MN	51.5	
	ME	52.4	
	iPN	17-14.2	Δ = 58° ca
	ePE	14.2	
	iSNE	22.2	
	GNE	28.9	

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