

Trans-Alaska Crustal Transect Explosions

<u>Date</u>			<u>Time</u>	<u>N Latitude</u>		<u>W Longitude</u>		<u>Elevation</u>	<u>Line</u>	<u>Shot-point</u>	<u>Size</u> lbs.	<u>Pick</u> stations
Y	M	D	HrMn:Sec	Deg	Min	Deg	Min	m				
1984	6	24	1000:00.01	61	56.330	145	16.749	305	S Rich Hwy	8	2000	21
1984	6	24	1003:57.59	61	31.337	145	13.622	558	S Rich Hwy	11	2000	8
1984	6	24	1006:00.01	63	20.856	145	42.150	853	S Rich Hwy	1	6000	10
1984	6	24	1200:00.01	62	09.942	145	24.993	411	S Rich Hwy	7	2000	12
1984	6	24	1202:00.01	61	41.952	145	09.268	610	S Rich Hwy	9	2000	1
1984	6	24	1203:57.01	61	15.300	145	17.110	351	S Rich Hwy	12	2000	15
1984	6	24	1206:00.01	61	01.825	145	15.682	137	S Rich Hwy	19	2000	25
1984	6	24	1000:00.01	61	34.595	145	13.583	533	S Rich Hwy	10	1000	--
1984	7	2	1000:00.01	61	09.257	146	35.997	107	Chugach	17	3000	24
1984	7	2	1001:59.81	61	09.104	146	10.221	122	Chugach	18	2000	24
1984	7	2	1004:00.01	61	01.825	145	15.682	137	Chugach	19	2000	24
1984	7	2	1006:00.01	60	57.944	144	10.235	348	Chugach	20	3000	30
1984	7	2	1008:00.01	60	43.517	142	31.050	673	Chugach	21	6000	31
1984	7	9	1010:00.01	63	20.856	145	42.150	853	N Rich Hwy	1	2000	5
1984	7	9	1012:00.01	62	54.659	145	29.813	792	N Rich Hwy	3	2000	3
1984	7	9	1014:00.01	62	34.928	145	27.463	671	N Rich Hwy	5	2000	8
1984	7	9	1015:59.81	62	09.942	145	24.993	411	N Rich Hwy	7	2000	4
1984	7	9	1200:00.01	63	09.894	145	32.177	981	N Rich Hwy	2	2000	23
1984	7	9	1202:00.01	62	47.449	145	28.421	777	N Rich Hwy	4	2000	2
1984	7	9	1204:00.01	62	29.512	145	28.068	597	N Rich Hwy	6	2000	16
1984	7	9	1206:00.01	61	01.825	145	15.682	137	N Rich Hwy	19	7200	29
1984	7	9	1207:59.81	61	56.330	145	16.749	305	N Rich Hwy	8	1100	4
1984	7	13	0900:00.01	61	52.224	147	20.687	975	Glenn Hwy	13	3300	3
1984	7	13	0902:00.01	62	05.307	146	19.236	738	Glenn Hwy	14	2000	19
1984	7	13	0904:00.01	62	09.942	145	24.993	411	Glenn Hwy	7	2500	27
1984	7	13	0906:00.01	62	51.177	143	41.886	686	Glenn Hwy	16	4000	12
1984	7	13	1114:00.01	62	28.175	144	50.277	533	Glenn Hwy	15	3000	23
1984	7	14	1110:00.01	61	52.224	147	20.687	975	Glenn Hwy	13	2160	9
1985	6	8	0030:00.01	62	05.329	146	19.151	738	Glenn Hwy	14	540	13
1985	6	8	0032:00.01	62	09.942	145	24.993	411	Glenn Hwy	7	1800	21
1985	6	10	0700:00.01	62	28.175	144	50.277	533	Tok Hwy	15	2040	32
1985	6	10	0702:00.01	62	51.186	143	41.898	686	Tok Hwy	16	3000	19
1985	6	10	0704:00.01	62	42.856	144	19.394	770*	Tok Hwy	27	2040	13
1985	6	10	0706:00.01	61	50.852	147	20.949	900*	Tok Hwy	23	4000	44
1985	6	10	0900:00.01	62	24.188	145	02.398	500*	Tok Hwy	25	1020	4
1985	6	10	0902:00.01	62	43.442	143	56.753	720*	Tok Hwy	28	2000	--
1985	6	10	0904:00.01	62	36.282	144	37.784	580*	Tok Hwy	26	1020	25
1985	6	10	0906:00.01	62	05.678	146	15.618	731	Tok Hwy	39	3000	33
1985	6	10	1100:00.01	62	16.762	145	26.150	502	Tok Hwy	24	3000	--
1985	6	19	0630:00.01	61	09.195	146	35.972	60*	Montague	40	3600	41
1985	6	19	0632:00.01	60	28.502	146	13.815	120*	Montague	33	2000	34
1985	6	19	0634:00.01	60	17.920	146	55.890	80*	Montague	32	2040	23
1985	6	19	1030:00.01	61	01.825	145	15.682	137	Montague	19	4400	40
1985	6	19	1032:00.01	60	40.156	145	47.263	300*	Montague	34	2940	40
1985	6	19	1034:00.01	59	56.406	147	42.426	120*	Montague	31	2940	27

Trans-Alaska Crustal Transect Explosions

<u>Date</u>			<u>Time</u>	<u>N Latitude</u>		<u>W Longitude</u>		<u>Elevation</u>	<u>Line</u>	<u>Shot-point</u>	<u>Size</u> lbs.	<u>Pick</u> stations
Y	M	D	HrMn:Sec	Deg	Min	Deg	Min	m				
1985	6	19	1232:00.02	59	40.700	148	23.940	-45	Montague	30	540	35
1985	6	24	0630:00.01	62	16.762	145	26.150	502	Cordova Peak	24	3060	23
1985	6	24	0632:00.01	61	31.337	145	13.622	558	Cordova Peak	11	3000	33
1985	6	24	0634:00.01	61	09.195	146	35.972	60*	Cordova Peak	40	3600	34
1985	6	24	0636:00.02	60	48.383	145	16.022	320*	Cordova Peak	38	2040	26
1985	6	24	1030:00.01	61	56.330	145	16.748	305	Cordova Peak	8	4080	30
1985	6	24	1032:00.01	61	15.300	145	17.110	351	Cordova Peak	12	2040	20
1985	6	24	1036:00.02	60	31.780	145	21.764	100*	Cordova Peak	37	3000	36
1985	6	25	0630:00.01	61	01.825	145	15.682	137	Cordova Peak	19	2040	33
1985	6	25	1600:00.34	60	01.170	145	34.670	-45	Cordova Peak	36	1020	44

Notes: Time, Greenwich Mean Time. Latitude and longitude, in degrees and decimal minutes referenced to 1927 North American Datum. Elevation, in meters. Lines: S Rich Hwy, South Richardson Highway; N Rich Hwy, North Richardson Highway; Chugach, Chugach Mountains; Glenn Hwy, Glenn Highway; Tok Hwy, Tok Highway; Montague, Montague Island. Pick stations, number of stations at which phases were picked.

1984 explosion data from: Daley, M.A., E.L. Ambos, and Fuis, G.S., 1985, Seismic refraction data collected in the Chugach Mountains and along the Glenn Highway in southern Alaska in 1984, U.S. Geological Survey Open-File Report 85-531, 32 p.

1985 explosion data from: Wilson, J.M., Meador, P., and Fuis, G.S., 1987, Data report for the 1985 TACT seismic-refraction survey, south-central Alaska, U.S. Geological Survey Open-File Report 87-440, 78 p.

* Elevation obtained from latitude and longitude coordinates using digital elevation model.