

**SUPPLEMENTARY MATERIAL #2**

**TO THE SEISMIC CRUSTAL DATABASE EUNASEIS**

**FOR EUROPE, GREENLAND AND THE NORTH ATLANTICS**

by Artemieva I.M. and Thybo H., Tectonophysics, 2013

**IRIS stations for which EarthScope Automated Receiver Surveys for the Moho depth ([iris.washington.edu](http://iris.washington.edu)) are included into the database**

Lon	Lat	Station Name	Location (approximate)	Moho (km)	StdDev Moho	Vp/Vs	StdDev Vp/Vs	Assumed Vp (km/s)	#EQs	Hk Complexity
58.11	37.93	A22	Turkmenistan	41	3.5	1.71	0.07	6.53	17	0.65
59.94	49.26	ABKAR	Kazakhstan	43	0.1	1.8	0.01	6.35	200	0.38
58.12	37.93	ABKT*	Turkmenistan	40	4.5	1.77	0.08	6.53	200	0.85
7.47	36.28	ABSA	N. Africa	25	0.7	1.91	0.06	6.048	4	0.41
-37.64	65.62	ANGG	Greenland	32	3.7	1.7	0.06	6.24	15	0.53
32.79	39.87	ANTO	Turkey	34	1.2	1.83	0.03	6.159	200	0.64
25.53	37.07	APE	Greece	24	0.2	1.74	0.01	5.738	54	0.21
27.17	35.55	APER*	Med. Sea	32	5.9	2.1	0.09	5.627	27	0.75
24.89	34.98	APEZ	Greece	38	3.2	1.96	0.09	5.627	24	0.71
13.4	42.35	AQU	Italy	35	0.2	2.02	0.01	6.276	200	0.5
28.13	36.22	ARG*	Greece	42	4.5	1.98	0.15	6.12	11	0.66
15.52	47.25	ARSA	Austria	33	0.3	1.75	0.01	6.419	111	0.39
58.56	56.43	ARU	Russia	39	0.2	1.71	0.01	6.159	200	0.49
-4.88	58.03	BADG	Scotland	28	0.5	1.76	0.02	6.24	8	0.17
27.88	39.64	BALB	Turkey	30	5.9	1.88	0.08	6.155	7	0.47
8.33	48.33	BFO	Germany	27	0.1	1.7	0.01	6.264	200	0.36
20.52	44.8	BGY	Serbia	31	1.5	1.73	0.04	6.276	27	0.56
6.68	45.05	BNI	W. Alps	51	1.4	1.77	0.02	6.416	170	0.72
6.47	46.94	BRANT	CH	31	0.8	1.83	0.07	6.276	14	0.35
14.91	55.11	BSD	Denmark	28	0.1	1.87	0.01	6.194	66	0.26
58.11	37.93	C22	Turkmenistan	41	5.1	1.75	0.09	6.53	19	0.61
-1	37.59	CART	Spain	22	0.2	1.65	0.02	5.782	90	0.22
-4.61	57.98	CASS	Scotland	29	0.8	1.68	0.04	6.276	9	0.51
-3.89	57.43	CAWD	UK	26	3.4	1.77	0.07	6.276	6	0.63
15.89	38.26	CEL*	Italy	40	1.2	1.79	0.09	5.782	142	0.82
14.31	41.72	CII	Italy	53	9.9	1.76	0.11	6.1	15	0.73
2.26	48.03	CLF	France	34	0.4	1.81	0.02	6.12	47	0.45
-25.52	37.76	CMLA*	Azores	20	18	1.9	0.12	4.802	6	0.88
-8.41	40.21	COI	Portugal	34	1.9	1.66	0.03	6.472	12	0.51
-4.52	56.94	CREG	Scotland	28	0.3	1.78	0.01	6.276	9	0.24

15.82	39.99	CUC*	Italy	22	24	1.78	0.01	5.782	53	0.86
-1.31	52.74	CWF	England	36	4.2	1.67	0.1	6.276	11	0.72
58.11	37.93	D32	Turkmenistan	41	2.5	1.75	0.07	6.53	19	0.56
-18.66	76.77	DAG	Greenland	32	0.1	1.69	0.01	5.78	198	0.37
-4.22	56.83	DALL	Scotland	31	0.2	1.73	0.02	6.276	11	0.27
9.88	47.29	DAVA	Austria	38	1.3	1.75	0.03	6.416	76	0.59
19.99	44.1	DIVS	Serbia	28	0.1	1.78	0.01	6.264	200	0.46
16.41	50.36	DPC	Czech	27	0.2	1.82	0.01	6.194	200	0.47
-57.5	49.26	DRLN	Canada	33	1.3	1.77	0.03	6.35	97	0.58
-6.38	53.25	DSB	Ireland	32	0.4	1.67	0.01	6.276	96	0.4
-5.26	57.87	DUND	Scotland	31	0.4	1.74	0.02	6.276	10	0.25
14.93	44.11	DUOK	Mediterr-NE	44	2.8	1.77	0.04	6.291	27	0.56
-3.93	50.44	DYA	England	28	0.4	1.77	0.03	6.182	9	0.39
58.11	37.93	E22	Turkmenistan	43	2.2	1.6	0.07	6.53	19	0.7
0.49	40.82	EBRE	Mediterr-W	26	4.6	1.81	0.06	6.391	8	0.27
7.16	48.22	ECH	France	26	0.1	1.73	0.01	6.182	187	0.27
29.91	36.75	ELL*	Turkey	36	4	1.75	0.16	6.12	2	0.85
-67.46	44.71	EMMW	Usa	36	2.1	1.79	0.05	6.419	38	0.68
-19.18	63.7	ENTA*	Enta	29	13	1.61	0.06	5.195	2	0.94
-3.2	55.32	ESK	Scotland	30	0.1	1.78	0.01	6.276	133	0.31
58.11	37.93	F32*	Turkmenistan	42	4.1	1.76	0.07	6.53	20	0.74
-6.79	62.03	FAR	Faroese	30	1.6	1.76	0.05	6.156	3	0.55
8.11	46.44	FIESA	CH	43	8.6	1.8	0.07	6.416	9	0.53
-68.55	63.75	FRB	Canada	42	0.1	1.76	0.01	6.419	200	0.39
10.26	46.62	FUORN	CH	49	10	1.64	0.22	6.35	181	0.71
58.11	37.93	G22	Turkmenistan	41	2.7	1.74	0.06	6.53	19	0.54
-4.96	57.08	GARY	Scotland	28	0.7	1.81	0.03	6.276	11	0.37
9.07	34.34	GFA	Tunisia	28	10	1.61	0	6.567	2	0.91
-9.15	38.72	GGNV	Portugal	32	2.2	1.77	0.05	6.472	16	0.65
13.09	32.12	GHAR	Nafrica	34	1.7	1.74	0.03	6.159	10	0.58
13.09	32.12	GHAR	Libya	42	5.2	1.66	0.11	6.159	10	0.75
17.24	53.27	GKP	Poland	38	8.5	1.71	0.04	6.234	28	0.68
11.22	49.69	GRA1	Bavaria	31	0.2	1.73	0.03	6.182	200	0.5
3.07	47.3	GRC	France	31	0.8	1.81	0.05	6.182	8	0.52
11.22	49.69	GRFO	Germany	31	0.2	1.73	0.01	6.182	200	0.48
58.11	37.93	H32	Turkmenistan	41	5.4	1.73	0.09	6.53	18	0.68
5.93	50.76	HGN	Netherlands	32	0.4	1.77	0.02	6.276	34	0.43
7.88	54.18	HLG	Germany	30	0.4	1.75	0.01	5.989	38	0.48
7.76	52.31	IBBN	Germany	35	0.1	1.6	0	6.1	92	0.36
-67.27	49.52	ICQ	Canada	38	3.8	1.86	0.1	6.35	3	0.52
-7.51	55.07	IDGL	Ireland	29	3.9	1.66	0.06	6.276	11	0.59
24.89	35.29	IDI	Greece	42	1.1	1.94	0.03	5.627	106	0.64
-4.97	58.15	INCH	Scotland	30	0.9	1.79	0.06	6.24	10	0.57

30.51	37.84	ISP*	Turkey	38	0.1	1.89	0.01	6.232	200	0.82
21.93	37.18	ITHO	Greece	38	2.1	1.91	0.04	5.627	22	0.7
21.93	37.18	ITM	Greece	35	6.6	1.81	0.14	5.627	11	0.71
-6.77	52.37	IWEX	Ireland	32	0.4	1.74	0.02	6.276	12	0.36
-2.17	49.19	JSA	UK	30	0.2	1.79	0.01	6.24	16	0.38
13.34	47.08	KBA	E. Alps	43	8.2	1.76	0.11	6.35	86	0.7
11.94	78.93	KBS	Spitsbergen	28	0.2	1.75	0.01	6.287	184	0.36
11.94	78.93	KBS	Norway	28	0.2	1.75	0.01	6.287	200	0.39
19.8	39.71	KEK	Greece	26	0.4	1.69	0.02	5.738	24	0.62
27.01	69.76	KEV	Finland	47	6.3	1.72	0.12	6.622	200	0.85
13.58	49.13	KHC	Czech	39	0.2	1.7	0.01	6.276	200	0.5
29.21	50.69	KIEV	Ukraine	36	0.3	1.87	0.01	6.552	200	0.55
42.69	43.96	KIV*	Russia	50	1.2	1.73	0.05	6.247	200	0.93
9.6	59.65	KONO	Norway	37	0.2	1.72	0.01	6.545	200	0.41
26.84	37.7	KOUM	Mediterr-E	26	1.8	1.76	0.04	5.989	26	0.45
25.5	35.18	KRIS	Greece	29	5.6	1.85	0.1	5.627	59	0.74
35.66	33.19	KSDI	Israel	28	0.1	1.97	0.01	5.738	117	0.63
16.29	50.84	KSP	Poland	31	0.3	1.79	0.01	6.194	86	0.46
22.71	49.63	KWP*	Poland	38	4.6	1.7	0.12	6.53	48	0.62
13.37	54.55	LID	Germany	31	6.6	1.9	0.15	6.1	4	0.64
9.49	47.29	LIENZ	CH	37	0.6	1.7	0.03	6.416	19	0.38
34.65	67.9	LVZ	Russia	40	3.3	1.7	0.05	6.367	200	0.66
4.27	39.9	MAHO	Spain	21	0.9	1.72	0.09	5.129	49	0.46
38.43	38.31	MALT*	Turkey	43	0.1	1.75	0.01	6.35	200	0.66
20.88	32.52	MARJ	N. Africa	29	13	1.6	0.08	5.657	9	0.79
-3	52	MCH1*	Wales	40	4.3	1.65	0.13	6.182	7	0.82
-4.61	32.82	MDT	Morocco	44	5.6	1.6	0.12	6.65	44	0.73
2.73	36.3	MEB	Algeria	22	2.4	1.96	0.07	5.88	8	0.6
-8.22	37.84	MESJ	Portugal	29	0.5	1.7	0.04	6.048	21	0.37
37.77	54.96	MHV	Russia	52	0.2	1.7	0	6.516	200	0.63
25.95	45.49	MLR	Romania	45	5.6	1.8	0.09	6.194	147	0.76
7.55	62.57	MOL	Norway	32	4.5	1.9	0.08	6.391	7	0.64
17.54	49.78	MORC	Czech	32	0.2	1.82	0.01	6.276	200	0.4
-8.65	37.3	MORF	Portugal	29	0.8	1.8	0.06	6.048	33	0.49
-7.54	40.4	MTE	Portugal	32	0.4	1.6	0.01	6.276	88	0.59
9.17	56.46	MUD	Denmark	32	0.5	1.69	0.04	6.159	40	0.55
9.04	45.92	MUGIO	Alps	37	8.3	1.8	0.1	6.276	11	0.67
58.11	37.93	NH	Turkmenistan	47	4.7	1.64	0.1	6.53	13	0.76
-45.42	61.16	NRS	Greenland	40	4	1.6	0.06	6.459	13	0.8
11.97	64.53	NSS*	Norway	35	8.4	1.8	0.17	6.472	8	0.89
-51.67	64.18	NUUK	Greenland	37	2	1.76	0.03	6.459	37	0.53
36.57	55.11	OBN	Russia	50	0.8	1.66	0.01	6.516	200	0.75
19.8	50.22	OJC	Poland	32	0.2	1.74	0.01	6.456	191	0.27

58.11	37.93	ORGH	Turkmenistan	41	4.1	1.75	0.06	6.53	19	0.55
-4.35	39.55	PAB	Spain	32	0.1	1.72	0.01	6.276	200	0.32
-7.59	38.87	PESTR	Portugal	30	0.2	1.72	0.02	6.276	57	0.33
-8.83	37.13	PFVI	Portugal	24	1.5	1.92	0.07	6.048	27	0.62
-69.29	45.26	PKME	USA	34	1.4	1.7	0.03	6.419	32	0.48
-68.01	46.67	PQI	USA	34	1.6	1.82	0.05	6.419	23	0.48
-25.13	36.99	PSMA	Portugal	18	4.5	1.6	0.12	4.802	12	0.55
19.89	47.92	PSZ	Hungary	30	1.4	1.62	0.04	6.155	200	0.75
30.32	59.77	PUL*	Russia	50	12	1.82	0.13	6.552	97	0.87
-7.72	37.4	PVAQ	N. Atlantic	30	0.4	1.75	0.03	6.391	61	0.34
25.54	41.15	RDO	Greece	34	0.7	1.72	0.02	6.279	23	0.53
13.32	54.55	RGN	Germany	25	0.3	2.1	0.01	6.1	94	0.56
-4.17	58.03	ROGR	Scotland	26	0.4	1.66	0.02	6.24	9	0.41
-28.25	38.72	ROSA	Azores	19	9.8	1.62	0.09	4.802	4	0.52
-6.86	33.99	RTC	Morocco	36	0.2	1.79	0.01	6.65	41	0.3
13.78	52.48	RUE	Germany	30	0.2	1.79	0.03	6.039	138	0.5
25.46	36.37	SANT	Greece	22	16	2.02	0.15	5.738	40	0.87
-66.83	54.83	SCHQ	Canada	50	2.7	1.81	0.06	6.61	179	0.76
-21.95	70.48	SCO	Greenland	27	0.6	1.84	0.03	6.134	39	0.4
58.11	37.93	SEH	Turkmenistan	43	4	1.6	0.09	6.53	23	0.8
-3.73	37.24	SELV	Spain	40	13	2	0.1	6.391	8	0.72
7.3	46.36	SENIN	CH	40	0.6	1.72	0.01	6.276	147	0.57
-50.62	67	SFJ	Greenland	46	1.4	1.77	0.05	6.459	40	0.54
-50.62	67	SFJ	Greenland	45	2	1.82	0.05	6.459	59	0.66
-50.62	67	SFJD	Greenland	48	3.8	1.71	0.11	6.459	50	0.71
-6.21	36.47	SFS*	Spain	38	6.4	1.83	0.08	6.391	3	0.94
-6.18	36.64	SFUC	Spain	30	14	1.93	0.12	6.391	9	0.6
23.93	35.41	SKD	Greece	36	3.5	2.08	0.13	5.55	83	0.74
8.49	47.76	SLE	CH	29	0.4	1.66	0.02	6.416	16	0.18
16.37	78.18	SPA0	Svalbard	33	2.4	1.82	0.05	6.545	52	0.4
16.39	78.18	SPB1	Svalbard	40	2.2	1.66	0.06	6.545	54	0.66
16.38	78.17	SPB2	Svalbard	34	2.9	1.75	0.08	6.545	53	0.54
16.36	78.17	SPB3	Svalbard	33	2.7	1.82	0.06	6.545	46	0.49
16.35	78.18	SPB4	Svalbard	32	2.6	1.86	0.07	6.545	47	0.49
16.37	78.18	SPB5	Svalbard	32	6.4	1.88	0.12	6.545	53	0.55
4.54	45.28	SSB	France	28	0.1	1.7	0.01	6.1	200	0.4
4.54	45.28	SSB2	France	28	0.3	1.65	0.04	6.1	38	0.43
-5.38	58.24	STOR	Scotland	26	0.4	1.72	0.02	6.24	9	0.31
9.19	48.77	STU	Germany	26	0.4	1.7	0.01	6.264	200	0.43
23.18	54.01	SUW	Poland	44	0.1	1.84	0	6.53	200	0.65
58.11	37.93	SWH	Turkmenistan	44	2.9	1.61	0.02	6.53	22	0.66
10.53	32.58	TATN	Africa	34	0.4	1.65	0.03	6.287	23	0.46
16.76	39.18	TIP*	Italy	33	3	2.05	0.02	6.1	185	0.8

19.86	41.35	TIR	Albania	38	0.2	2.01	0.01	5.967	90	0.63
28.41	44.46	TIRR	Romania	35	0.2	1.6	0	6.12	200	0.79
-4.05	39.88	TOL	Spain	36	2.3	1.68	0.05	6.276	15	0.59
13.76	45.71	TRI	Italy	40	0.4	1.8	0.01	6.207	200	0.58
26.72	58.38	TRTE	Estonia	45	0.1	1.73	0.01	6.552	72	0.36
9.35	46.47	TUE	Italy	33	3.1	1.77	0.07	6.416	135	0.65
-68.82	76.54	TULEG*	Greenland	38	3.8	1.78	0.09	6.459	59	0.66
9.38	39.5	VSL	Italy	33	1.6	1.68	0.04	6.183	200	0.55
26.73	58.46	VSU	Estonia	45	0.1	1.74	0	6.552	200	0.43
23.24	42.62	VTs	Bulgaria	36	0.3	1.87	0.01	6.291	200	0.55
14.52	35.87	WDD	Malta	24	0.3	1.72	0.01	4.05	143	0.46
6.15	49.66	WLF	Luxembourg	31	2.7	1.75	0.03	6.182	200	0.69
-69.66	44.56	WWL	USA	36	0.7	1.7	0.02	6.419	34	0.48
26.22	35.11	ZKR	Greece	44	2.2	1.8	0.02	5.627	20	0.59

\* Automated Hk values are replaced for alternative values based on the Hk plots ([iris.washington.edu](http://iris.washington.edu))