

Okoljske meritve na projektu izgradnje 2. tira železniške proge »Divača-Koper«, Sklop 2

40. Poročilo meritev vibracij v obdobju

od 24.10.2022 do 31.10.2022

-predor T-8-

Številka poročila: 1002517/40



NAROČNIK:

Kolektor CPG d.o.o.

Industrijska cesta 2, Kromberk

5000 Nova Gorica

Ljubljana, oktober 2022

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proge »Divača-Koper«, Sklop 2**

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Vodja monitoringa:

Matija TORI, mag.inž.geoteh.



Ljubljana, oktober 2022

SEZNAM SODELUJOČIH PRI IZVEDBI MERITEV in POROČILA

.....
NAROČNIK:

Kolektor CPG d.o.o.

Industrijska cesta 2, Kromberk

5000 Nova Gorica
.....

IZVAJALEC:

GR Investicije d.o.o.

Slovenčeva 93

1000 LJUBLJANA

Direktor:

dr. Vojkan Jovičič, univ.dipl. inž.grad.
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NAZIV DOKUMENTACIJE:

Okoljske meritve na projektu izgradnje 2. tira železniške proge
»Divača-Koper«, Sklop 2

40. Poročilo meritev vibracij v obdobju od 24.10.2022 do
31.10.2022

Številka poročila:

1002517/40

Datum:

oktober 2022
.....

VODJA MONITORINGA:

Matija TORI, mag.inž.geoteh.

POROČILO IZDELALI:

Matija TORI, mag.inž.geoteh.

Tomaž HRIBAR, mag.inž.geoteh.

Nika KÖVEŠ, dipl.inž.geoteh.
.....

Meritve in opazovanja na terenu:

Matija TORI, mag.inž.geoteh.

Tomaž HRIBAR, mag.inž.geoteh.

Tomaž PEČOLAR, univ.dipl.geoteh. in rud.

Nika KÖVEŠ, dipl.inž.geoteh.

PRILOGA 1.1:

Zapisniki in analize meritev

- Poročilo meritev vibracij od dne 24.10.2022 do 31.10.2022
predor T8 (Divača)

Tedensko poročilo meritev vibracij na predoru T-8 od 24.10.2022 do 31.10.2022

 Lokacija meritve: **predor T8, Divača**

mersko mesto	naslov	nomenklatura	tip objekta	serijska številka geofona	x	y	z	trig.level [mm/s]	vir vibracij	opomba
MM-8	Plavje 50a	T08_MP-3-1_23040_01	L2	UM20787	407 204	48 527	124	0,50	miniranje predor T8	od 28.10.2022
MM-10	Plavje 39	T08_MP-3-1_23248_01	L2	UM20418	407 057	48 360	105	0,50	miniranje predor T8	
MM-11	Plavje 38a	T08_MP-3-1_23331_01	L2	UM19254	407 000	48 318	98	0,50	miniranje predor T8	do 28.10.2022
MM-15	Plavje 46	T08_MP-3-1_23130_01	L2	UM20788	407 130	48 484	116	0,50	miniranje predor T8	od 28.10.2022
MM-16	Plavje 47a	T08_MP-3-1_23115_01	L2	UM20788	407 116	48 504	115	0,50	miniranje predor T8	od 28.10.2022
MM-19	Plavje 43b	T08_MP-3-1_23165_01	L2	UM19274	407 138	48 434	113	0,50	miniranje predor T8	
MM-20	Plavje 42	T08_MP-3-1_23195_01	L2	UM18299	407 099	48 418	110	0,50	miniranje predor T8	
MM-21	Plavje 44a	T08_MP-3-1_23165_01	L2	UM18300	407 159	48 426	114	0,50	miniranje predor T8	
MM-22	Plavje 43/43a	T08_MP-3-1_23185_01	L2	UM15840	407 124	48 429	111	0,50	miniranje predor T8	
MM-23	Plavje 41/41a	T08_MP-3-1_23190_01	L2	UM15839	407 069	48 440	109	0,50	miniranje predor T8	
MM-25	Plavje 44	T08_MP-3-1_23185_01	L2	UM19275	407 144	48 420	112	1,00	miniranje predor T8	
MM-27	Plavje 56		L2	UM8153	407 264	48 433	125	0,50	miniranje predor T8	
MM-28	Plavje 20	T08_MP-3-1_23340_01	L2	UM8152	406 968	48 314	90	2,00	miniranje predor T8	

mersko mesto	serijska številka geofona	nomenklatura	datum	čas	izmerjena vrednost vibracij [V _R = mm/s]	minimalna frekvenca [f _{min} = Hz]	komp f _{min}	predorska cev	lokacija	stacionaža (m)	najkrajša razdalja R (m)	komentar
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REZULTATI MERITEV VIBRACIJ

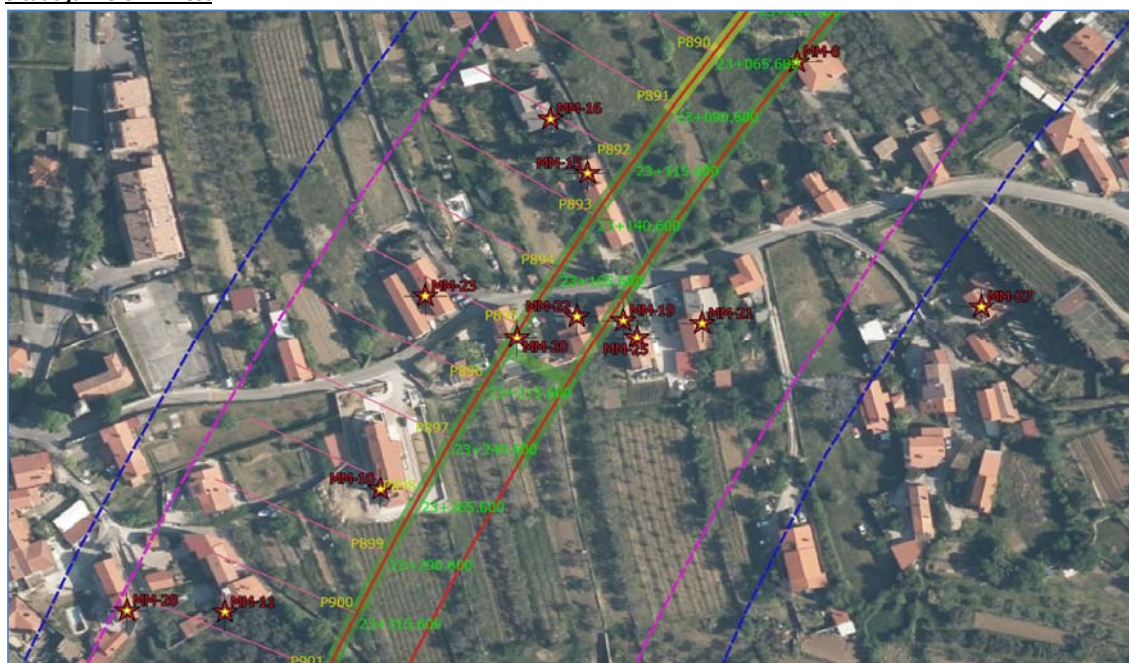
MM-10	UM20418	T08_MP-3-1_23248_01	24.10.2022	11:30:11	2,09	54	T	servisna cev	kalota	23257 S	71	< L2
MM-11	UM19254	T08_MP-3-1_23331_01	24.10.2022	11:30:11	1,12	102	T	servisna cev	kalota	23257 S	135	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	24.10.2022	11:30:07	2,23	54	V	servisna cev	kalota	23257 S	69	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	24.10.2022	11:30:11	4,47	57	L	servisna cev	kalota	23257 S	51	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	24.10.2022	11:30:11	1,09	54	T	servisna cev	kalota	23257 S	76	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	24.10.2022	11:30:11	3,82	73	L	servisna cev	kalota	23257 S	60	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	24.10.2022	11:30:10	2,84	37	T	servisna cev	kalota	23257 S	77	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	24.10.2022	11:30:12	2,34	54	L	servisna cev	kalota	23257 S	63	< L2
MM-27	UM8153	0,00	24.10.2022	11:30:07				servisna cev	kalota	23257 S	170	< trig , Level
MM-28	UM8152	T08_MP-3-1_23340_01	24.10.2022	11:30:07				servisna cev	kalota	23257 S	162	< trig , Level
MM-10	UM20418	T08_MP-3-1_23248_01	24.10.2022	13:06:10	0,61	28	L	glavna cev	kalota	23378 G	115	< L2
MM-11	UM19254	T08_MP-3-1_23331_01	24.10.2022	13:06:00	3,13	85	T	glavna cev	kalota	23378 G	71	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	24.10.2022	13:06:00				glavna cev	kalota	23378 G	217	< trig , Level
MM-20	UM18299	T08_MP-3-1_23200_01	24.10.2022	13:06:00				glavna cev	kalota	23378 G	184	< trig , Level
MM-21	UM18300	T08_MP-3-1_23165_01	24.10.2022	13:06:00				glavna cev	kalota	23378 G	223	< trig , Level
MM-22	UM15840	T08_MP-3-1_23185_01	24.10.2022	13:06:00				glavna cev	kalota	23378 G	205	< trig , Level
MM-23	UM15839	T08_MP-3-1_23190_01	24.10.2022	13:06:00				glavna cev	kalota	23378 G	193	< trig , Level
MM-25	UM19275	T08_MP-3-1_23185_01	24.10.2022	13:06:00				glavna cev	kalota	23378 G	209	< trig , Level
MM-27	UM8153	0,00	24.10.2022	13:06:00				glavna cev	kalota	23378 G	306	< trig , Level
MM-28	UM8152	T08_MP-3-1_23340_01	24.10.2022	13:06:00				glavna cev	kalota	23378 G	80	< trig , Level
MM-10	UM20418	T08_MP-3-1_23248_01	25.10.2022	9:21:34	3,31	93	V	servisna cev	kalota	23259 S	70	< L2
MM-11	UM19254	T08_MP-3-1_23331_01	25.10.2022	9:21:34	1,33	79	V	servisna cev	kalota	23259 S	133	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	25.10.2022	9:21:30	1,94	45	V	servisna cev	kalota	23259 S	70	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	25.10.2022	9:21:34	5,86	64	T	servisna cev	kalota	23259 S	52	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	25.10.2022	9:21:34	1,69	54	T	servisna cev	kalota	23259 S	78	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	25.10.2022	9:21:34	3,39	73	L	servisna cev	kalota	23259 S	61	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	25.10.2022	9:21:33	4,20	64	T	servisna cev	kalota	23259 S	77	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	25.10.2022	9:21:34	3,26	54	T	servisna cev	kalota	23259 S	64	< L2
MM-27	UM8153	0,00	25.10.2022	9:21:30				servisna cev	kalota	23259 S	171	< trig , Level
MM-28	UM8152	T08_MP-3-1_23340_01	25.10.2022	9:21:30				servisna cev	kalota	23259 S	161	< trig , Level

MM-10	UM20418	T08_MP-3-1_23248_01	26.10.2022	11:12:53	2,59	45	V	servisna cev	kalota	23262 S	67	< L2
MM-11	UM19254	T08_MP-3-1_23331_01	26.10.2022	11:12:53	1,04	93	T	servisna cev	kalota	23262 S	130	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	26.10.2022	11:12:49	1,76	68	L	servisna cev	kalota	23262 S	73	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	26.10.2022	11:12:52	3,86	54	T	servisna cev	kalota	23262 S	54	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	26.10.2022	11:12:53	1,21	54	T	servisna cev	kalota	23262 S	80	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	26.10.2022	11:12:53	2,68	100	T	servisna cev	kalota	23262 S	63	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	26.10.2022	11:12:52	3,16	73	L	servisna cev	kalota	23262 S	78	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	26.10.2022	11:12:54	2,70	49	T	servisna cev	kalota	23262 S	67	< L2
MM-27	UM8153	0,00	26.10.2022	11:12:49				servisna cev	kalota	23262 S	173	< trig . Level
MM-28	UM8152	T08_MP-3-1_23340_01	26.10.2022	11:12:49				servisna cev	kalota	23262 S	158	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	26.10.2022	16:42:58	2,96	57	T	servisna cev	kalota	23265 S	65	< L2
MM-11	UM19254	T08_MP-3-1_23331_01	26.10.2022	16:42:58	1,19	102	T	servisna cev	kalota	23265 S	128	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	26.10.2022	16:42:54	1,87	85	L	servisna cev	kalota	23265 S	75	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	26.10.2022	16:42:57	4,57	68	T	servisna cev	kalota	23265 S	55	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	26.10.2022	16:42:58	1,22	64	V	servisna cev	kalota	23265 S	82	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	26.10.2022	16:42:58	2,61	85	T	servisna cev	kalota	23265 S	65	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	26.10.2022	16:42:57	3,68	68	T	servisna cev	kalota	23265 S	80	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	26.10.2022	16:42:59	1,85	57	L	servisna cev	kalota	23265 S	69	< L2
MM-27	UM8153	0,00	26.10.2022	16:42:54				servisna cev	kalota	23265 S	175	< trig . Level
MM-28	UM8152	T08_MP-3-1_23340_01	26.10.2022	16:42:54				servisna cev	kalota	23265 S	156	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	27.10.2022	8:51:17				glavna cev	stopnica	23065 G	209	< trig . Level
MM-11	UM19254	T08_MP-3-1_23331_01	27.10.2022	8:51:17				glavna cev	stopnica	23065 G	275	< trig . Level
MM-19	UM19274	T08_MP-3-1_23165_01	27.10.2022	8:51:17	1,10	64	T	glavna cev	stopnica	23065 G	112	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	27.10.2022	8:51:17				glavna cev	stopnica	23065 G	140	< trig . Level
MM-21	UM18300	T08_MP-3-1_23165_01	27.10.2022	8:51:21	1,00	54	V	glavna cev	stopnica	23065 G	115	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	27.10.2022	8:51:24	0,57	57	V	glavna cev	stopnica	23065 G	120	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	27.10.2022	8:51:23	0,56	64	V	glavna cev	stopnica	23065 G	142	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	27.10.2022	8:51:17				glavna cev	stopnica	23065 G	122	< trig . Level
MM-27	UM8153	0,00	27.10.2022	8:51:22	0,78	57	L	glavna cev	stopnica	23065 G	147	< L2
MM-28	UM8152	T08_MP-3-1_23340_01	27.10.2022	8:51:17				glavna cev	stopnica	23065 G	298	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	27.10.2022	11:57:29	3,17	47	T	servisna cev	kalota	23266 S	65	< L2
MM-11	UM19254	T08_MP-3-1_23331_01	27.10.2022	11:57:29	1,32	57	T	servisna cev	kalota	23266 S	127	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	27.10.2022	11:57:25	1,64	68	T	servisna cev	kalota	23266 S	76	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	27.10.2022	11:57:28	5,37	57	T	servisna cev	kalota	23266 S	56	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	27.10.2022	11:57:29	1,62	54	L	servisna cev	kalota	23266 S	83	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	27.10.2022	11:57:29	3,67	85	T	servisna cev	kalota	23266 S	66	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	27.10.2022	11:57:28	2,95	60	T	servisna cev	kalota	23266 S	80	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	27.10.2022	11:57:30	2,56	49	L	servisna cev	kalota	23266 S	70	< L2
MM-27	UM8153	0,00	27.10.2022	11:57:25				servisna cev	kalota	23266 S	176	< trig . Level
MM-28	UM8152	T08_MP-3-1_23340_01	27.10.2022	11:57:25				servisna cev	kalota	23266 S	155	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	27.10.2022	13:04:33				glavna cev	stopnica	23067 G	207	< trig . Level
MM-11	UM19254	T08_MP-3-1_23331_01	27.10.2022	13:04:33				glavna cev	stopnica	23067 G	273	< trig . Level
MM-19	UM19274	T08_MP-3-1_23165_01	27.10.2022	13:04:33	1,33	64	V	glavna cev	stopnica	23067 G	110	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	27.10.2022	13:04:37	0,74	54	T	glavna cev	stopnica	23067 G	138	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	27.10.2022	13:04:37	1,35	57	V	glavna cev	stopnica	23067 G	114	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	27.10.2022	13:04:37	0,92	32	V	glavna cev	stopnica	23067 G	118	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	27.10.2022	13:04:37	0,74	54	T	glavna cev	stopnica	23067 G	140	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	27.10.2022	13:04:33				glavna cev	stopnica	23067 G	121	< trig . Level
MM-27	UM8153	0,00	27.10.2022	13:04:38	1,13	47	L	glavna cev	stopnica	23067 G	147	< L2
MM-28	UM8152	T08_MP-3-1_23340_01	27.10.2022	13:04:33				glavna cev	stopnica	23067 G	296	< trig . Level

MM-8	UM20787	T08_MP-3-1_23040_01	28.10.2022	11:58:27				servisna cev	kalota	23270 S	188	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	28.10.2022	11:58:31	2,77	38	T	servisna cev	kalota	23270 S	62	< L2
MM-15	UM20788	T08_MP-3-1_23130_01	28.10.2022	11:58:32	0,75	47	L	servisna cev	kalota	23270 S	119	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	28.10.2022	11:58:27	0,75	39	L	servisna cev	kalota	23270 S	135	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	28.10.2022	11:58:27	1,25	60	L	servisna cev	kalota	23270 S	79	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	28.10.2022	11:58:31	2,81	51	L	servisna cev	kalota	23270 S	58	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	28.10.2022	11:58:31	0,97	49	L	servisna cev	kalota	23270 S	86	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	28.10.2022	11:58:31	2,02	73	T	servisna cev	kalota	23270 S	69	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	28.10.2022	11:58:30	2,36	73	T	servisna cev	kalota	23270 S	82	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	28.10.2022	11:58:32	1,93	49	L	servisna cev	kalota	23270 S	73	< L2
MM-27	UM8153	0,00	28.10.2022	11:58:27				servisna cev	kalota	23270 S	179	< trig . Level
MM-28	UM8152	T08_MP-3-1_23340_01	28.10.2022	11:58:27				servisna cev	kalota	23270 S	152	< trig . Level
MM-8	UM20787	T08_MP-3-1_23040_01	28.10.2022	16:31:00				glavna cev	stopnica	23074 G	67	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	28.10.2022	16:31:00				glavna cev	stopnica	23074 G	200	< trig . Level
MM-15	UM20788	T08_MP-3-1_23130_01	28.10.2022	16:31:04	4,43	47	V	glavna cev	stopnica	23074 G	70	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	28.10.2022	16:31:00	7,02	39	T	glavna cev	stopnica	23074 G	69	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	28.10.2022	16:31:00	1,51	49	T	glavna cev	stopnica	23074 G	104	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	28.10.2022	16:31:06	0,81	35	L	glavna cev	stopnica	23074 G	131	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	28.10.2022	16:31:04	1,19	47	L	glavna cev	stopnica	23074 G	108	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	28.10.2022	16:31:04	0,99	22	T	glavna cev	stopnica	23074 G	112	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	28.10.2022	16:31:03	0,95	51	T	glavna cev	stopnica	23074 G	133	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	28.10.2022	16:31:00				glavna cev	stopnica	23074 G	115	< trig . Level
MM-27	UM8153	0,00	28.10.2022	16:31:04	1,40	64	T	glavna cev	stopnica	23074 G	146	< L2
MM-28	UM8152	T08_MP-3-1_23340_01	28.10.2022	16:31:00				glavna cev	stopnica	23074 G	289	< trig . Level
MM-8	UM20787	T08_MP-3-1_23040_01	29.10.2022	9:43:38				servisna cev	kalota	23274 S	192	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	29.10.2022	9:43:41	3,08	41	T	servisna cev	kalota	23274 S	60	< L2
MM-15	UM20788	T08_MP-3-1_23130_01	29.10.2022	9:43:41	0,90	39	L	servisna cev	kalota	23274 S	122	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	29.10.2022	9:43:38	0,64	41	T	servisna cev	kalota	23274 S	138	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	29.10.2022	9:43:38	1,36	54	L	servisna cev	kalota	23274 S	83	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	29.10.2022	9:43:41	2,58	47	T	servisna cev	kalota	23274 S	60	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	29.10.2022	9:43:41	0,83	43	T	servisna cev	kalota	23274 S	89	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	29.10.2022	9:43:41	1,96	73	T	servisna cev	kalota	23274 S	73	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	29.10.2022	9:43:41	1,73	57	V	servisna cev	kalota	23274 S	84	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	29.10.2022	9:43:42	1,92	43	T	servisna cev	kalota	23274 S	76	< L2
MM-27	UM8153	0,00	29.10.2022	9:43:38				servisna cev	kalota	23274 S	181	< trig . Level
MM-28	UM8152	T08_MP-3-1_23340_01	29.10.2022	9:43:38				servisna cev	kalota	23274 S	149	< trig . Level
MM-8	UM20787	T08_MP-3-1_23040_01	29.10.2022	12:17:00	3,27	49	T	glavna cev	stopnica	23078 G	68	< L2
MM-10	UM20418	T08_MP-3-1_23248_01	29.10.2022	12:16:57				glavna cev	stopnica	23078 G	196	< trig . Level
MM-15	UM20788	T08_MP-3-1_23130_01	29.10.2022	12:16:59	4,75	49	V	glavna cev	stopnica	23078 G	67	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	29.10.2022	12:16:57	6,58	85	T	glavna cev	stopnica	23078 G	66	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	29.10.2022	12:16:57	1,33	102	V	glavna cev	stopnica	23078 G	100	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	29.10.2022	12:17:01	0,69	33	L	glavna cev	stopnica	23078 G	128	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	29.10.2022	12:17:00	1,18	64	T	glavna cev	stopnica	23078 G	105	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	29.10.2022	12:17:01	0,93	57	T	glavna cev	stopnica	23078 G	108	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	29.10.2022	12:17:00	0,88	45	T	glavna cev	stopnica	23078 G	130	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	29.10.2022	12:16:57				glavna cev	stopnica	23078 G	111	< trig . Level
MM-27	UM8153	0,00	29.10.2022	12:17:01	1,17	29	V	glavna cev	stopnica	23078 G	146	< L2
MM-28	UM8152	T08_MP-3-1_23340_01	29.10.2022	12:16:57				glavna cev	stopnica	23078 G	285	< trig . Level
MM-8	UM20787	T08_MP-3-1_23040_01	30.10.2022	9:54:32				servisna cev	kalota	23275 S	193	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	30.10.2022	9:54:32	3,45	43	T	servisna cev	kalota	23275 S	59	< L2
MM-15	UM20788	T08_MP-3-1_23130_01	30.10.2022	9:54:34	0,79	35	L	servisna cev	kalota	23275 S	123	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	30.10.2022	9:54:32	0,76	43	V	servisna cev	kalota	23275 S	139	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	30.10.2022	9:54:33	1,68	49	L	servisna cev	kalota	23275 S	83	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	30.10.2022	9:54:33	2,91	54	T	servisna cev	kalota	23275 S	61	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	30.10.2022	9:54:34	0,94	49	T	servisna cev	kalota	23275 S	90	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	30.10.2022	9:54:34	1,64	64	L	servisna cev	kalota	23275 S	73	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	30.10.2022	9:54:34	1,70	73	T	servisna cev	kalota	23275 S	84	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	30.10.2022	9:54:35	1,87	34	L	servisna cev	kalota	23275 S	77	< L2
MM-27	UM8153	0,00	30.10.2022	9:54:32				servisna cev	kalota	23275 S	182	< trig . Level
MM-28	UM8152	T08_MP-3-1_23340_01	30.10.2022	9:54:32				servisna cev	kalota	23275 S	148	< trig . Level

MM-8	UM20787	T08_MP-3-1_23040_01	30.10.2022	11:29:55				glavna cev	stopnica	23200 G	162	< trig . Level
MM-10	UM20418	T08_MP-3-1_23248_01	30.10.2022	11:29:55	1,38	37	T	glavna cev	stopnica	23200 G	80	< L2
MM-15	UM20788	T08_MP-3-1_23130_01	30.10.2022	11:29:56	1,33	47	L	glavna cev	stopnica	23200 G	88	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	30.10.2022	11:29:55	1,68	31	T	glavna cev	stopnica	23200 G	99	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	30.10.2022	11:29:56	1,13	49	T	glavna cev	stopnica	23200 G	62	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	30.10.2022	11:29:56	5,29	39	L	glavna cev	stopnica	23200 G	42	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	30.10.2022	11:29:56	0,81	51	L	glavna cev	stopnica	23200 G	77	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	30.10.2022	11:29:57	2,49	39	T	glavna cev	stopnica	23200 G	51	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	30.10.2022	11:29:56	3,30	35	L	glavna cev	stopnica	23200 G	54	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	30.10.2022	11:29:55				glavna cev	stopnica	23200 G	64	< trig . Level
MM-27	UM8153	0,00	30.10.2022	11:29:55				glavna cev	stopnica	23200 G	177	< trig . Level
MM-28	UM8152	T08_MP-3-1_23340_01	30.10.2022	11:29:55				glavna cev	stopnica	23200 G	168	< trig . Level
MM-8	UM20787	T08_MP-3-1_23040_01	30.10.2022	14:19:08	2,21	51	V	glavna cev	stopnica	23085 G	72	< L2
MM-10	UM20418	T08_MP-3-1_23248_01	30.10.2022	14:19:07				glavna cev	stopnica	23085 G	189	< trig . Level
MM-15	UM20788	T08_MP-3-1_23130_01	30.10.2022	14:19:08	4,83	51	L	glavna cev	stopnica	23085 G	62	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	30.10.2022	14:19:07	7,22	64	T	glavna cev	stopnica	23085 G	63	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	30.10.2022	14:19:07	1,61	73	T	glavna cev	stopnica	23085 G	94	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	30.10.2022	14:19:08	0,73	39	L	glavna cev	stopnica	23085 G	121	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	30.10.2022	14:19:08	0,95	54	T	glavna cev	stopnica	23085 G	100	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	30.10.2022	14:19:08	1,08	51	T	glavna cev	stopnica	23085 G	102	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	30.10.2022	14:19:08	0,87	64	T	glavna cev	stopnica	23085 G	123	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	30.10.2022	14:19:07				glavna cev	stopnica	23085 G	105	< trig . Level
MM-27	UM8153	0,00	30.10.2022	14:19:08	0,88	51	L	glavna cev	stopnica	23085 G	145	< L2
MM-28	UM8152	T08_MP-3-1_23340_01	30.10.2022	14:19:07				glavna cev	stopnica	23085 G	278	< trig . Level
MM-8	UM20787	T08_MP-3-1_23040_01	31.10.2022	13:04:44	1,54	29	T	glavna cev	stopnica	23090 G	74	< L2
MM-10	UM20418	T08_MP-3-1_23248_01	31.10.2022	13:04:43				glavna cev	stopnica	23090 G	184	< trig . Level
MM-15	UM20788	T08_MP-3-1_23130_01	31.10.2022	13:04:44	5,26	45	L	glavna cev	stopnica	23090 G	59	< L2
MM-16	UM19254	T08_MP-3-1_23115_01	31.10.2022	13:04:43	7,88	51	T	glavna cev	stopnica	23090 G	60	< L2
MM-19	UM19274	T08_MP-3-1_23165_01	31.10.2022	13:04:44	1,79	39	T	glavna cev	stopnica	23090 G	90	< L2
MM-20	UM18299	T08_MP-3-1_23200_01	31.10.2022	13:04:44	0,73	37	T	glavna cev	stopnica	23090 G	116	< L2
MM-21	UM18300	T08_MP-3-1_23165_01	31.10.2022	13:04:44	0,93	60	T	glavna cev	stopnica	23090 G	96	< L2
MM-22	UM15840	T08_MP-3-1_23185_01	31.10.2022	13:04:45	0,88	47	V	glavna cev	stopnica	23090 G	97	< L2
MM-23	UM15839	T08_MP-3-1_23190_01	31.10.2022	13:04:44	1,16	54	V	glavna cev	stopnica	23090 G	119	< L2
MM-25	UM19275	T08_MP-3-1_23185_01	31.10.2022	13:04:45	1,25	45	T	glavna cev	stopnica	23090 G	101	< L2
MM-27	UM8153	0,00	31.10.2022	13:04:45	0,99	49	L	glavna cev	stopnica	23090 G	145	< L2
MM-28	UM8152	T08_MP-3-1_23340_01	31.10.2022	13:04:43				glavna cev	stopnica	23090 G	273	< trig . Level

Situacija merskih mest



Mersko mesto 8



Mersko mesto 10



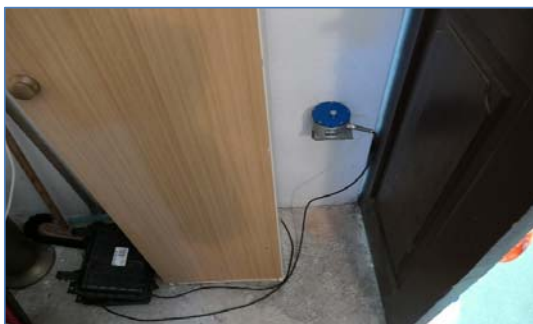
Mersko mesto 11



Mersko mesto 15



Mersko mesto 16



Mersko mesto 19



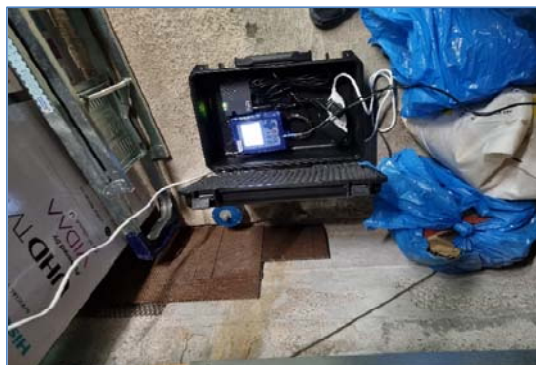
Mersko mesto 20



Mersko mesto 21



Mersko mesto 22



Mersko mesto 23



Mersko mesto 25



Mersko mesto 27



Mersko mesto 28



ANALIZA REZULTATOV in INTERPRETACIJA:

Na vseh trinajstih merskih mestih smo izvajali meritve vibracij na območjem naselja Plavje pri miniranju v predoru T-8 (Divača). Dne 28.10.2022 so bile ponovno vzpostavljena merska mesta MM-8, MM-15 in MM-16. Rezultati meritev so prikazani v preglednici in diagramih meritev. Rezultati meritev za podano časovno obdobje ne presegajo mejnih vrednosti podanih s standardom DIN 4150-3.

MM-8 Plavje 50a

Mersko mesto MM-8 je bilo ponovno vzpostavljeno dne 28.10. na stanovanjskem objektu Plavje 50a in opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-8 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 3,27$ mm/s, dne 29.10.2022 ob 12:17 uri pri miniranju v stopnici glavne cevi na najkrajši oddaljenosti 68 m. Izkop stopnice glavne cevi se merskemu mestu oddaljuje.

MM-10 Plavje 39

Mersko mesto MM-10 je vzpostavljeno na stanovanjskem objektu Plavje 39 in opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-10 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 3,45$ mm/s, dne 30.10.2022 ob 9:54 uri pri miniranju v kaloti servisne cevi na najkrajši oddaljenosti 59 m. Izkop kalote servisne cevi se merskemu mestu približuje.

MM-11 Plavje 38a

Mersko mesto MM-11 je vzpostavljeno na stanovanjskem objektu Plavje 38a in opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-11 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 3,13$ mm/s, dne 24.10.2022 ob 13:06 uri pri miniranju v kaloti glavne cevi na najkrajši oddaljenosti 71 m. Izkop kalote glavne cevi se od merskega mesta oddaljuje.

MM-15 Plavje 46

Mersko mesto MM-15 je bilo ponovno vzpostavljeno dne 28.10.2022 na stanovanjskem objektu Plavje 46 in opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-15 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 5,26$ mm/s, dne 31.10.2022 ob 13:04 pri miniranju v stopnice glavne cevi na najkrajši oddaljenosti 59 m. Izkop stopnice glavne cevi se merskemu mestu približuje.

MM-16 Plavje 47a

Mersko mesto MM-16 je bilo ponovno vzpostavljeno dne 28.10.2022 na stanovanjskem objektu Plavje 47a in opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-16 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 7,88$ mm/s, dne 31.10.2022 ob 13:04 pri miniranju v stopnice glavne cevi na najkrajši oddaljenosti 60 m. Izkop stopnice glavne cevi se merskemu mestu približuje.

MM-19 Plavje 43b

Mersko mesto MM-19 je vzpostavljeno na stanovanjskem objektu Plavje 43b in opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-19 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 2,23$ mm/s, dne 24.10.2022 ob 11:30 pri miniranju v kaloti servisne cevi na najkrajši oddaljenosti 69 m. Izkop kalote servisne cevi se od merskega mesta oddaljuje.

MM-20 Plavje 42

Mersko mesto MM-20 je vzpostavljeno na stanovanjskem objektu Plavje 42 in opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-20 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 5,86$ mm/s, dne 25.10.2022 ob 9:21 uri pri miniranju v kaloti servisne cevi na najkrajši oddaljenosti 52 m. Izkop kalote servisne cevi se od merskega mesta oddaljuje.

MM-21 Plavje 44a

Mersko mesto MM-21 je vzpostavljeno na stanovanjskem objektu Plavje 44a in je opredeljeno po standardu DIN 4150 v razred L_2 . Rezultati meritev na merskem mestu MM-21 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 1,69$ mm/s, dne 25.10.2022 ob 9:21 uri pri miniranju v kaloti servisne cevi na najkrajši oddaljenosti 78 m. Izkop kalote servisne cevi se od merskega mesta oddaljuje.

MM-22 Plavje 43/43a

Mersko mesto MM-22 je vzpostavljeno na stanovanjskem objektu Plavje 43 in je opredeljeno po standardu DIN 4150 v razred L₂. Rezultati meritev na merskem mestu MM-22 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L₂ po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 3,82 \text{ mm/s}$, dne **24.10.2022** ob **11:30** uri pri miniranju **v kaloti servisne cevi, na najkrajši oddaljenosti 60 m**. Izkop kalote servisne cevi se od merskega mesta oddaljuje.

MM-23 Plavje 41/41a

Mersko mesto MM-23 je vzpostavljeno na stanovanjskem objektu Plavje 41a in je opredeljeno po standardu DIN 4150 v razred L₂. Rezultati meritev na merskem mestu MM-23 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L₂ po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 4,20 \text{ mm/s}$, dne **25.10.2022** ob **9:21** uri pri miniranju **v kaloti servisne cevi, na najkrajši oddaljenosti 77 m**. Izkop kalote servisne cevi se od merskega mesta oddaljuje.

MM-25 Plavje 44

Mersko mesto MM-25 je vzpostavljeno na stanovanjskem objektu Plavje 44 in je opredeljeno po standardu DIN 4150 v razred L₂. Rezultati meritev na merskem mestu MM-25 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L₂ po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 3,26 \text{ mm/s}$, dne **25.10.2022** ob **9:21** uri pri miniranju **v kaloti servisne cevi, na najkrajši oddaljenosti 64 m**. Izkop kalote servisne cevi se od merskega mesta oddaljuje.

MM-27 Plavje 56

Mersko mesto MM-27 je vzpostavljeno na stanovanjskem objektu Plavje 56 in opredeljeno po standardu DIN 4150 v razred L₂. Rezultati meritev na merskem mestu MM-27 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L₂ po standardu DIN 4150-3. Najvišja izmerjena vrednost hitrosti valovanja je bila $V_{Rmax} = 1,40 \text{ mm/s}$, dne **28.10.2022** ob **16:31** uri pri miniranju **v stopnici glavne cevi na najkrajši oddaljenosti 146 m**.

MM-28 Plavje 20

Mersko mesto MM-28 je vzpostavljeno na stanovanjskem objektu Plavje 20 in opredeljeno po standardu DIN 4150 v razred L₂. Rezultati meritev na merskem mestu MM-28 **niso presegli** mejnih vrednosti za razred stanovanjskih objektov L₂ po standardu DIN 4150-3 oz. so pod pragom nastavitve merskega inštrumenta (trig. level). Najkrajša oddaljenost izkopa kalote glavne cevi je 80 m. Izkop kalote glavne cevi se od merskega mesta oddaljuje.

OPOMBA:

Analiza oddaljenosti je narejena na osnovi prejetih podatkov lokacij miniranj, ki jih podaja izvajalec del in sicer od osi nivelete predorske cevi do merskega mesta. Vibracije niso presegle mejnih vrednosti za stanovanjske objekte L₂ po standardu DIN 4150-3. Mersko mesto MM-27 (Plavje 56) je še vedno vzpostavljeno po navodilih družbe 2TDK (12.10.2022). Dne 28.10.2022 je bilo mersko mesto MM-11 (Plavje 38) začasno ukinjeno, merski inštrument pa prestavljen na mersko mesto MM-16 (Plavje 47a). Dne 28.10.2022 sta bila zaradi izkopa stopnice glavne cevi ponovno vzpostavljena merska mesta MM-8 in MM-15.

Meritve izvedel:

Matija Tori, mag.inž.geoteh.

Tomaž Hribar, mag.inž.geoteh.

Analiza meritev:

Matija Tori, mag.inž.geoteh.

PRILOGA 1.2:
Rezultati meritev
- MM-8 (Plavje 50a) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 29, 2022 12:17:00
Geo 0.500 mm/s
0.25 sec/14.8 sec (Auto)
2048 sps
factory.mmb
Operator

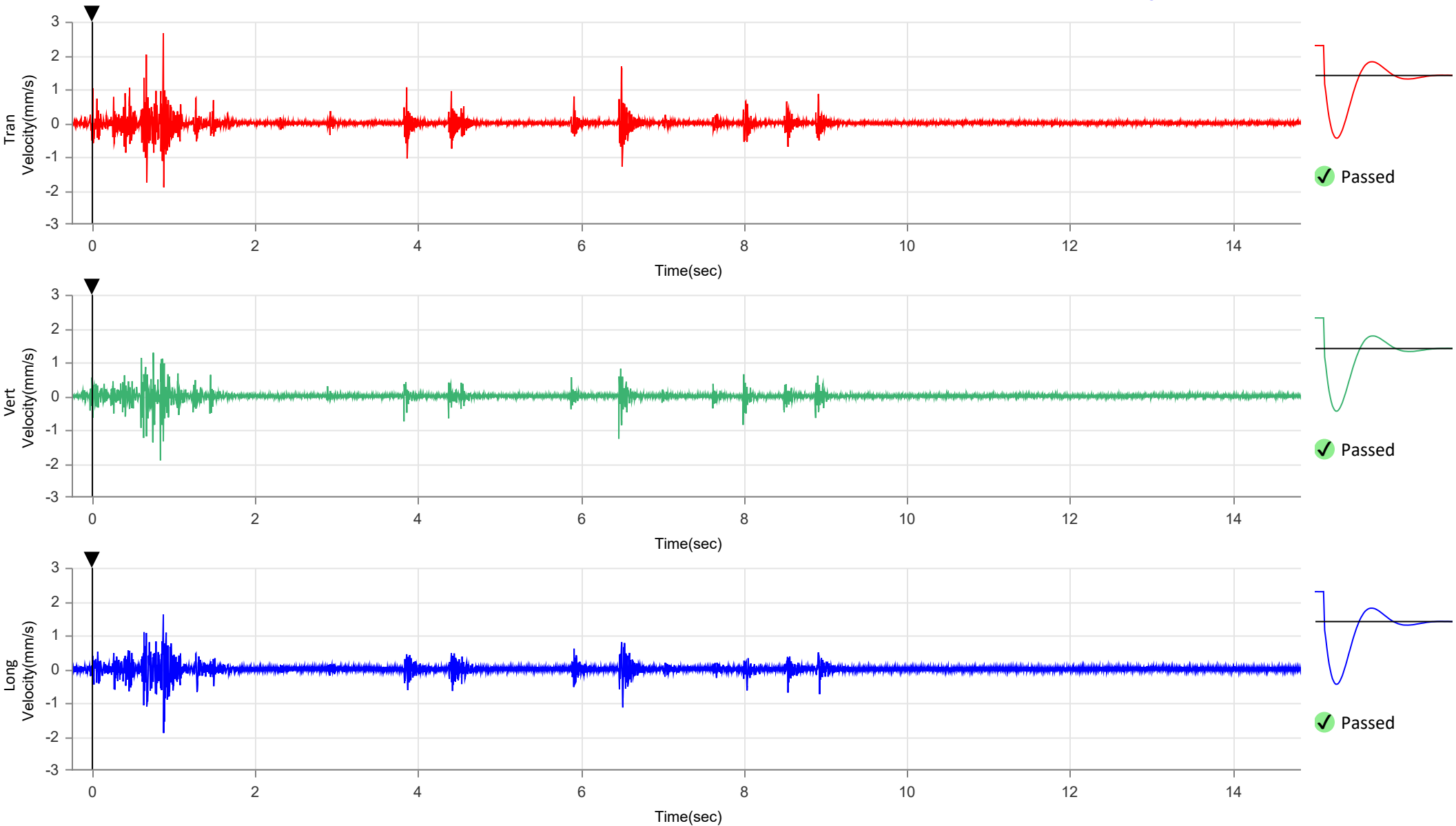
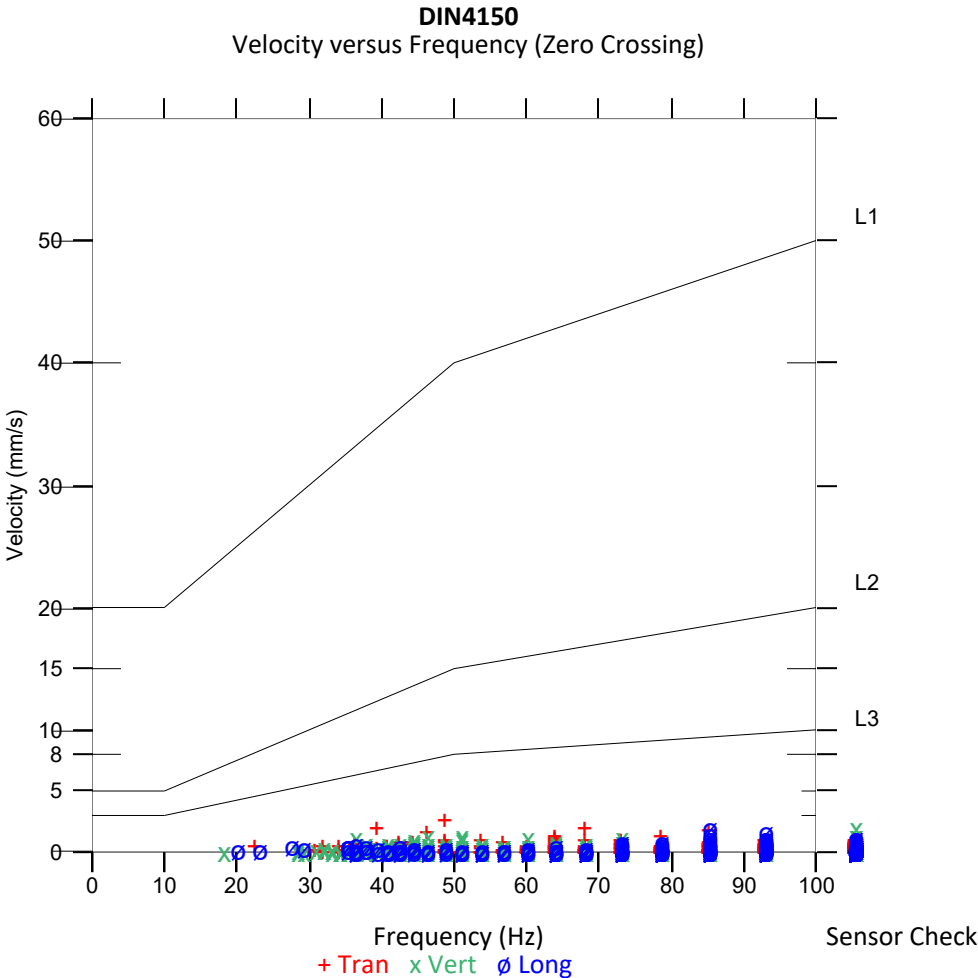
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20787
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20787_20221029121700.IDFW
Disabled

Notes
Location MM-8, Plavje 50a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.656 mm/s	1.907 mm/s	1.892 mm/s
Zero Crossing Frequency	48.8 Hz	>100 Hz	85.3 Hz
Time (Relative to Trigger)	0.875 sec	0.841 sec	0.880 sec
Peak Acceleration	0.148 g	0.201 g	0.125 g
Peak Displacement	0.007 mm	0.005 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.9 Hz	7.9 Hz	7.9 Hz
Overswing Ratio	4.5	4.9	4.6
Peak Vector Sum	3.270 mm/s at 0.875 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 14:19:08
Geo 0.500 mm/s
0.25 sec/14.1 sec (Auto)
2048 sps
factory.mmb
Operator

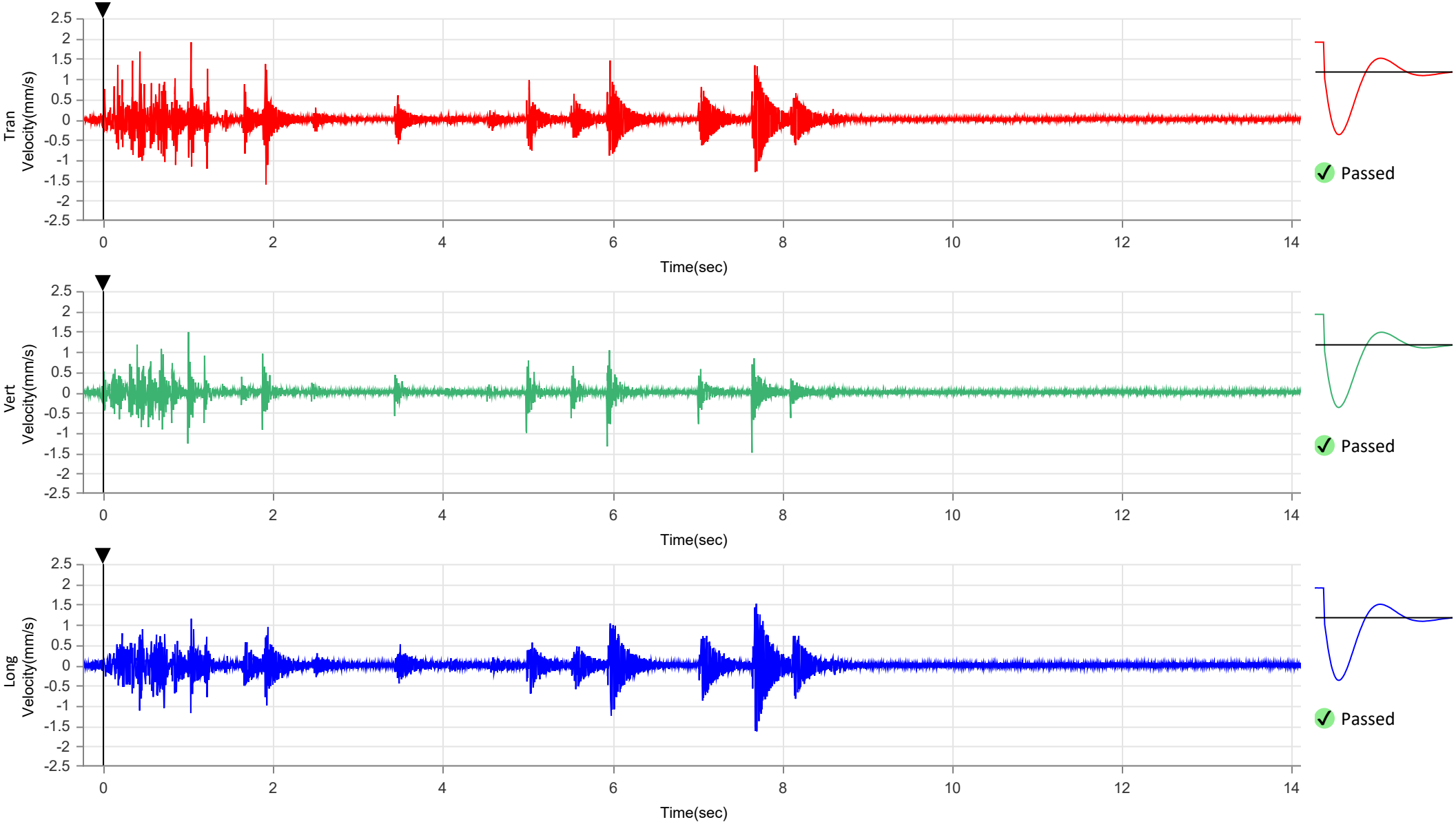
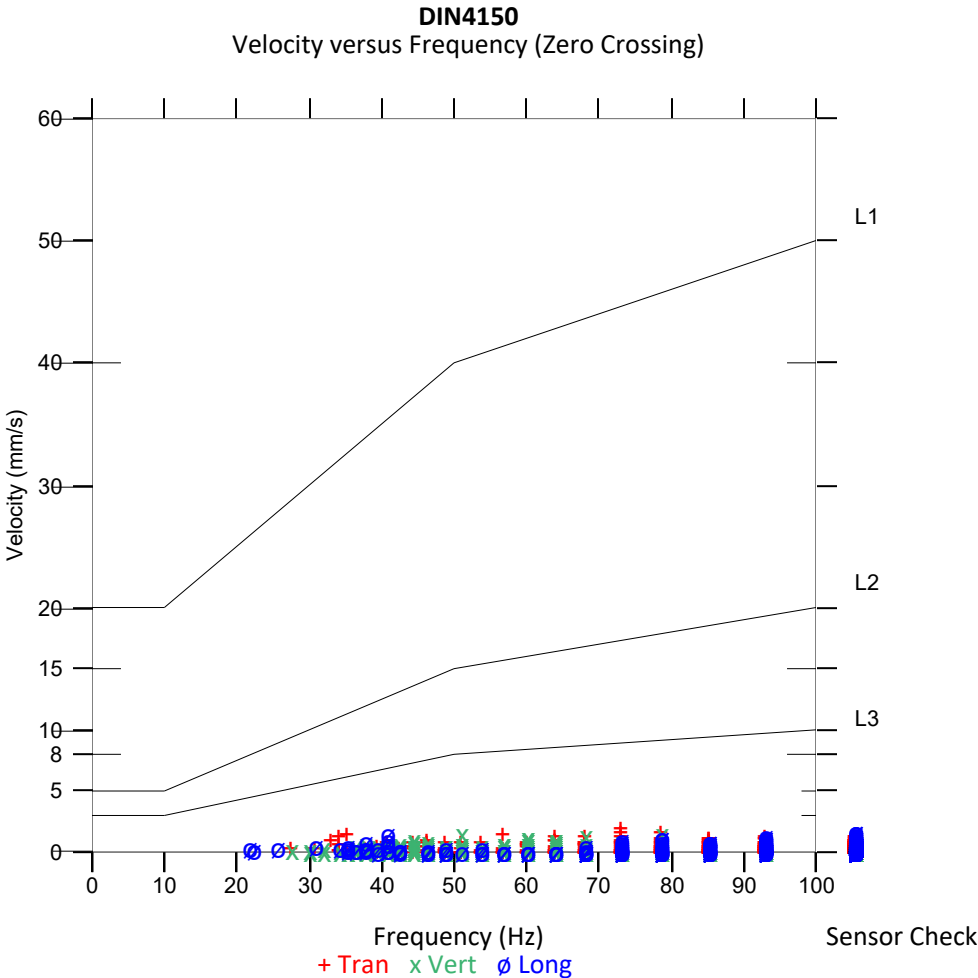
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20787
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20787_20221030141908.IDFW
Disabled

Notes
Location MM-8, Plavje 50a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.907 mm/s	1.490 mm/s	1.632 mm/s
Zero Crossing Frequency	73.1 Hz	51.2 Hz	>100 Hz
Time (Relative to Trigger)	1.030 sec	0.998 sec	7.701 sec
Peak Acceleration	0.097 g	0.142 g	0.125 g
Peak Displacement	0.004 mm	0.004 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.7 Hz	6.9 Hz
Overswing Ratio	4.5	4.9	4.6
Peak Vector Sum	2.214 mm/s at 1.031 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 31, 2022 13:04:44
Geo 0.500 mm/s
0.25 sec/14.6 sec (Auto)
2048 sps
factory.mmb
Operator

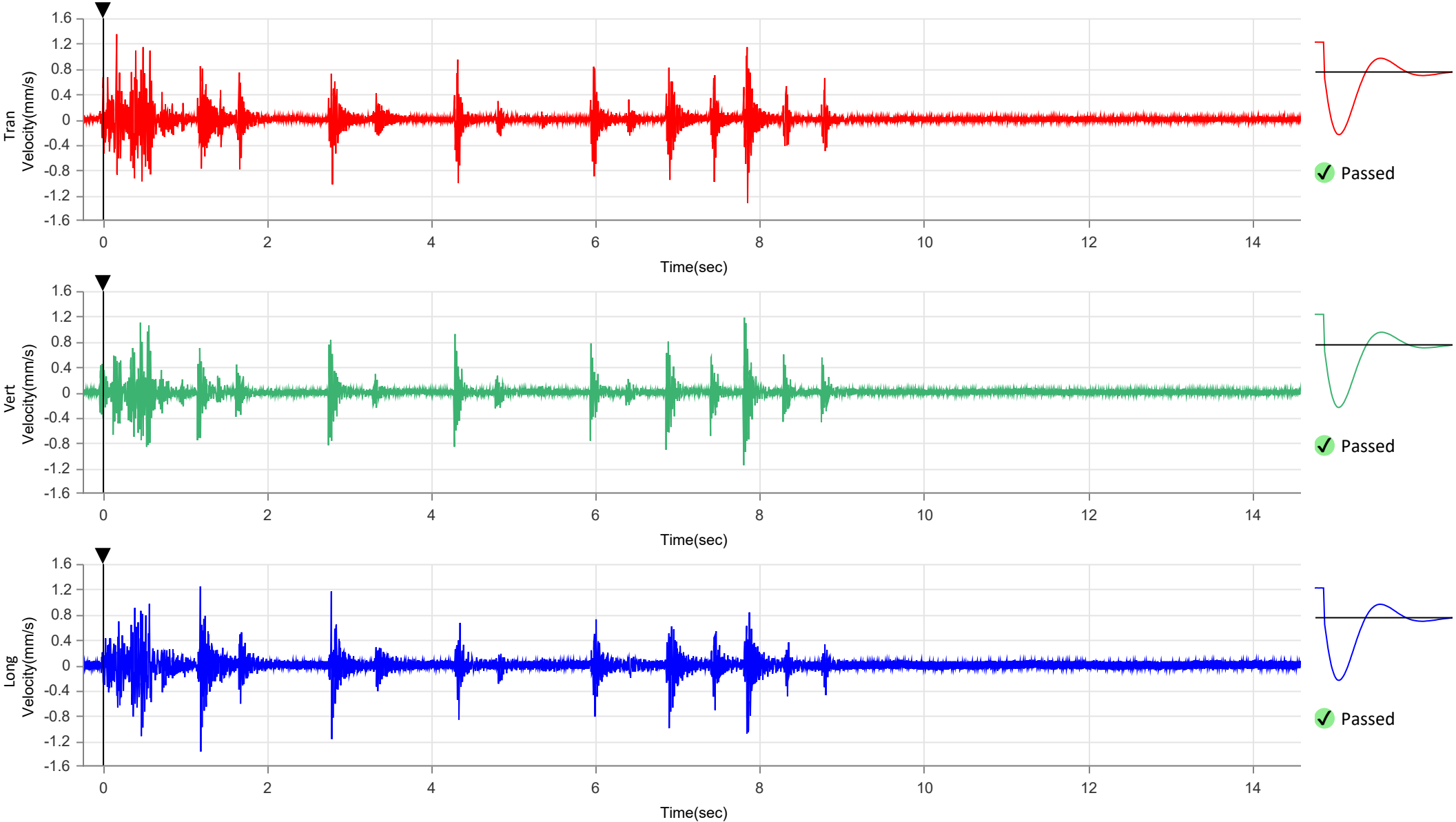
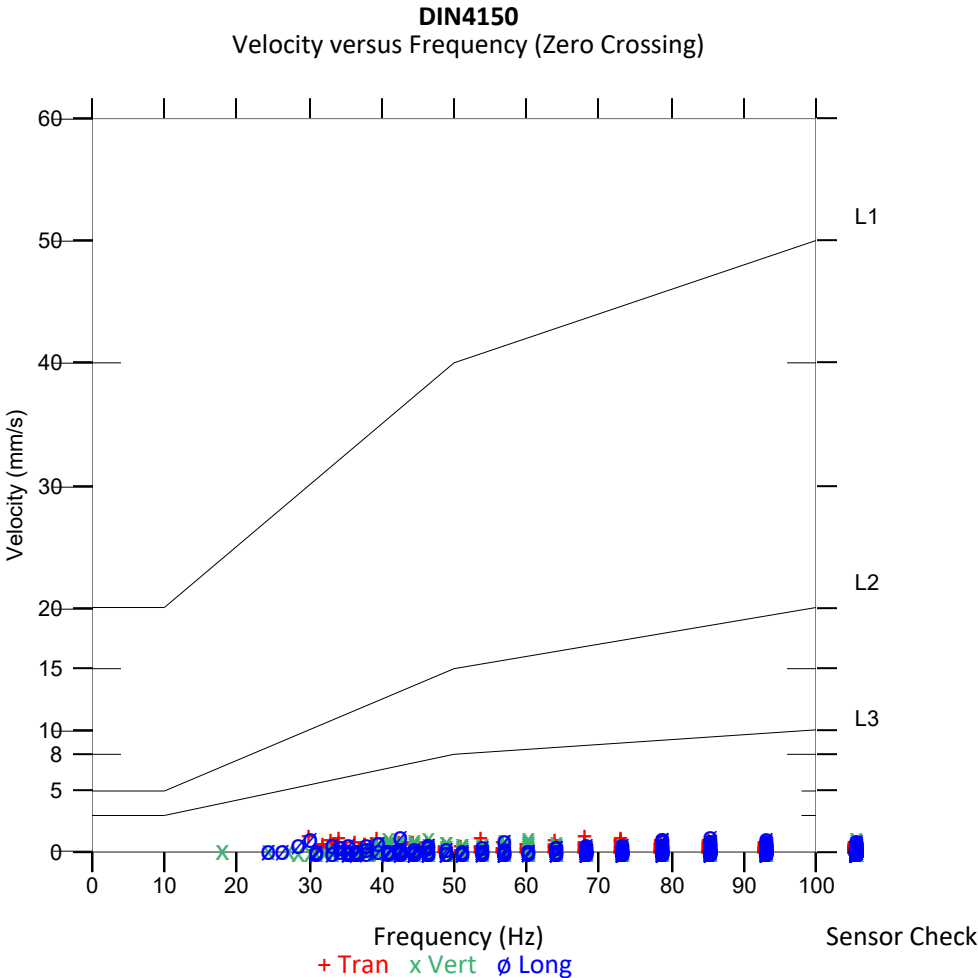
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20787
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20787_20221031130444.IDFW
Disabled

Notes
Location MM-8, Plavje 50a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.348 mm/s	1.182 mm/s	1.364 mm/s
Zero Crossing Frequency	29.3 Hz	41.0 Hz	85.3 Hz
Time (Relative to Trigger)	0.164 sec	7.813 sec	1.189 sec
Peak Acceleration	0.074 g	0.079 g	0.089 g
Peak Displacement	0.005 mm	0.004 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.7 Hz	6.9 Hz
Overswing Ratio	4.5	4.9	4.6
Peak Vector Sum	1.542 mm/s at 7.844 sec		



PRILOGA 1.3:
Rezultati meritev
- MM-10 (Plavje 39) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 11:30:11
Geo 0.500 mm/s
0.25 sec/17.0 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221024113011.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

Post Event Notes No text to be displayed.

Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran

1.056 mm/s
53.9 Hz
0.870 sec
0.107 g
0.003 mm
✓ Passed
7.3 Hz
4.2

Vert

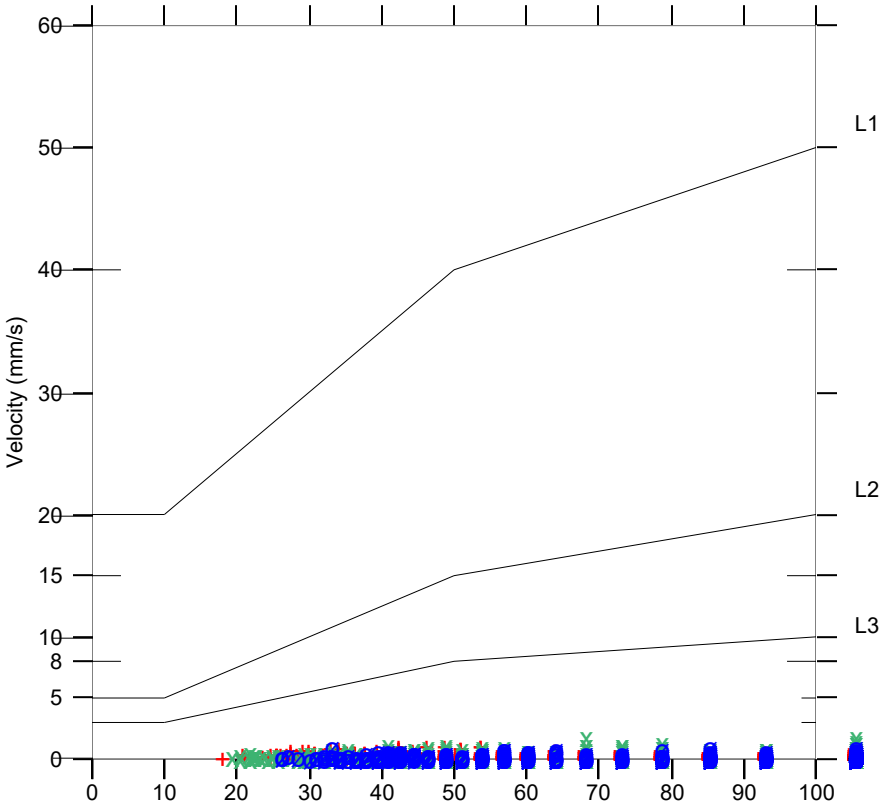
1.852 mm/s
68.3 Hz
0.308 sec
0.212 g
0.003 mm
✓ Passed
7.3 Hz
4.8

Long

0.962 mm/s
>100 Hz
0.308 sec
0.117 g
0.003 mm
✓ Passed
7.1 Hz
5.2

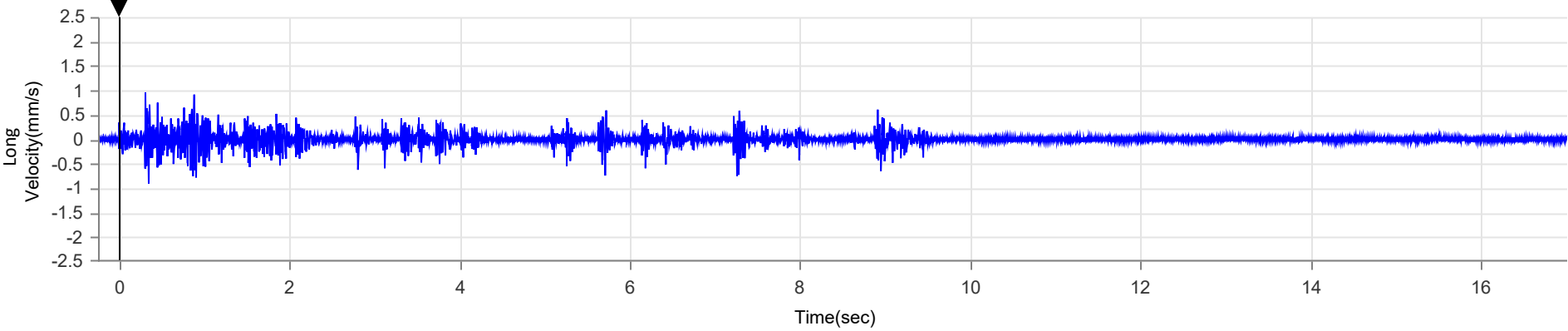
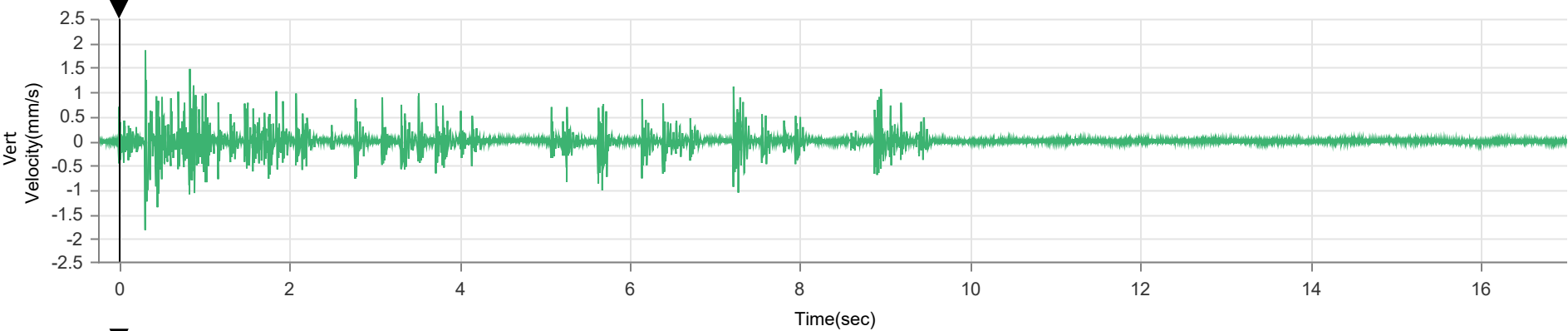
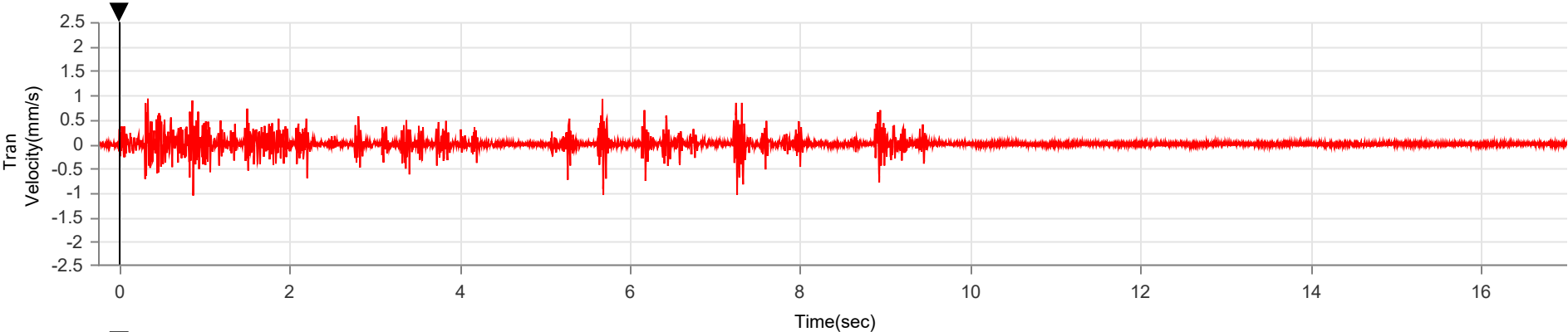
Peak Vector Sum 2.087 mm/s at 0.308 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check

Frequency (Hz)
+ Tran x Vert ø Long





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 13:06:01
Geo 0.500 mm/s
0.25 sec/8.0 sec (Auto)
2048 sps
factory.mmb
Operator

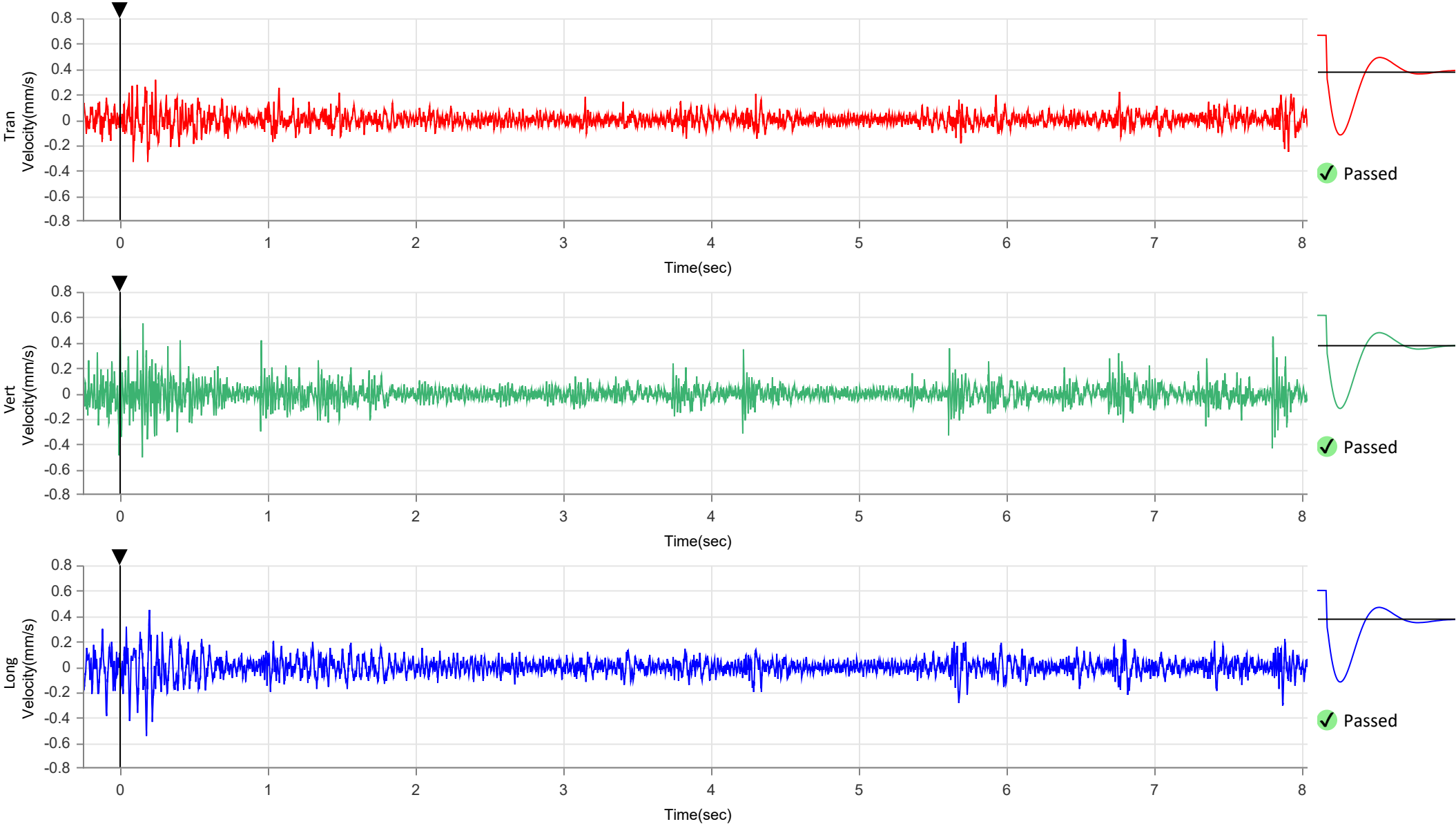
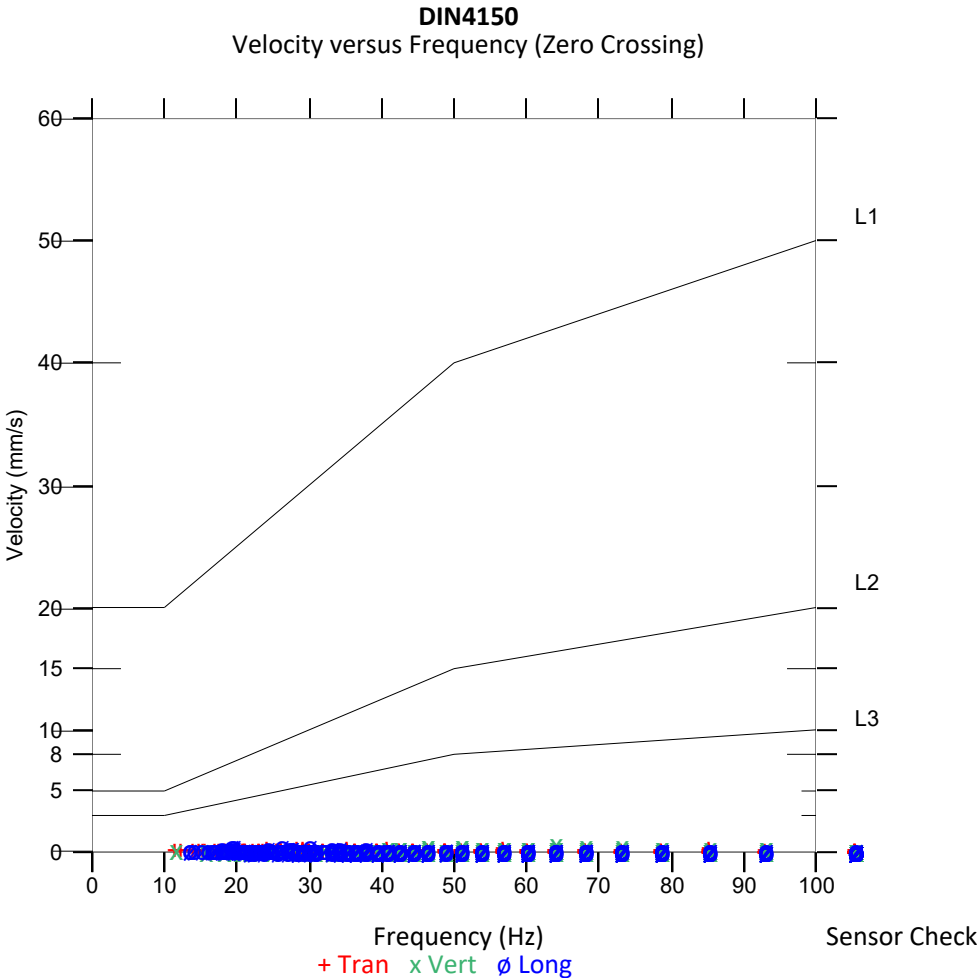
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221024130601.IDFW
Disabled

Notes
Location MM-10, Plavje 39
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.331 mm/s	0.615 mm/s	0.544 mm/s
Zero Crossing Frequency	29.3 Hz	60.2 Hz	20.5 Hz
Time (Relative to Trigger)	0.092 sec	0.002 sec	0.181 sec
Peak Acceleration	0.015 g	0.036 g	0.015 g
Peak Displacement	0.002 mm	0.002 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.8	5.2
Peak Vector Sum	0.648 mm/s at 0.181 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 13:06:10
Geo 0.500 mm/s
0.25 sec/8.0 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221024130610.IDFW
Disabled

Notes
Location
Client
Company
General Notes

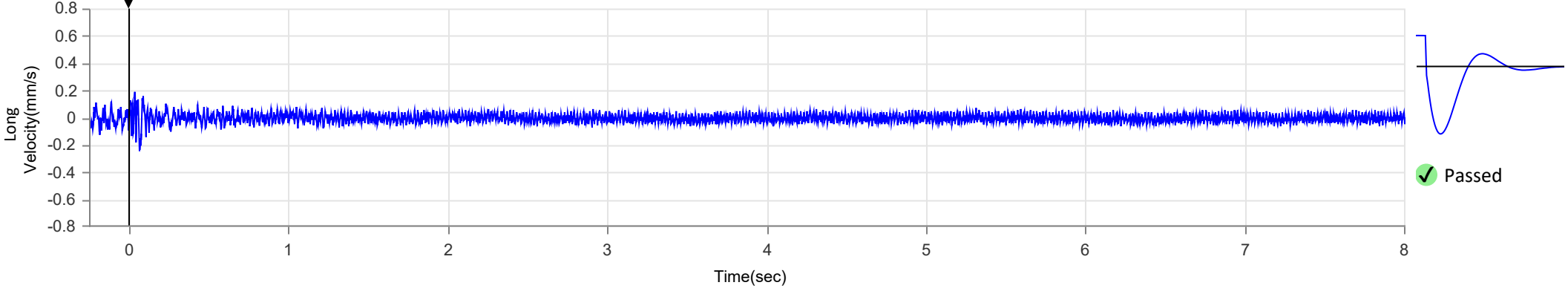
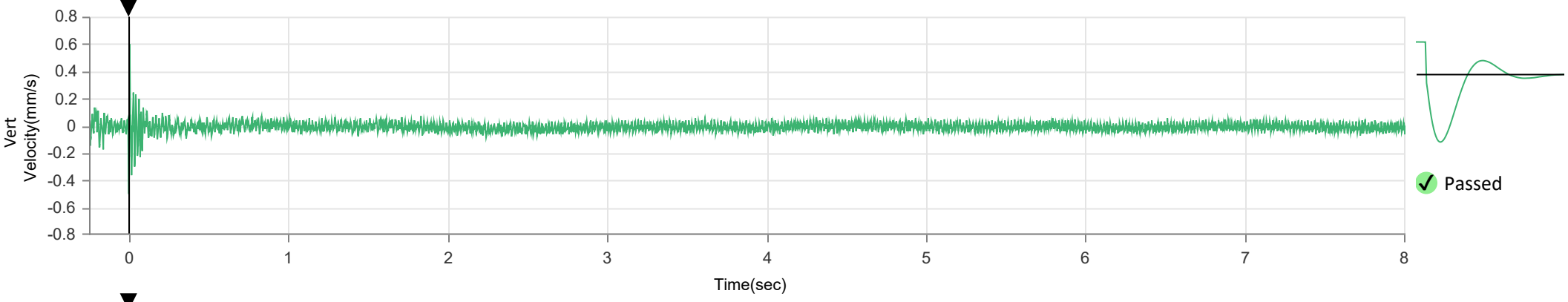
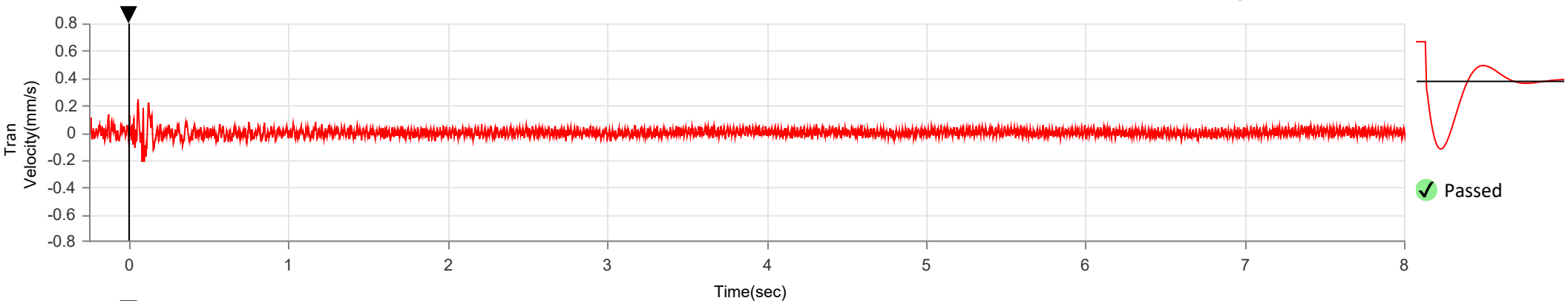
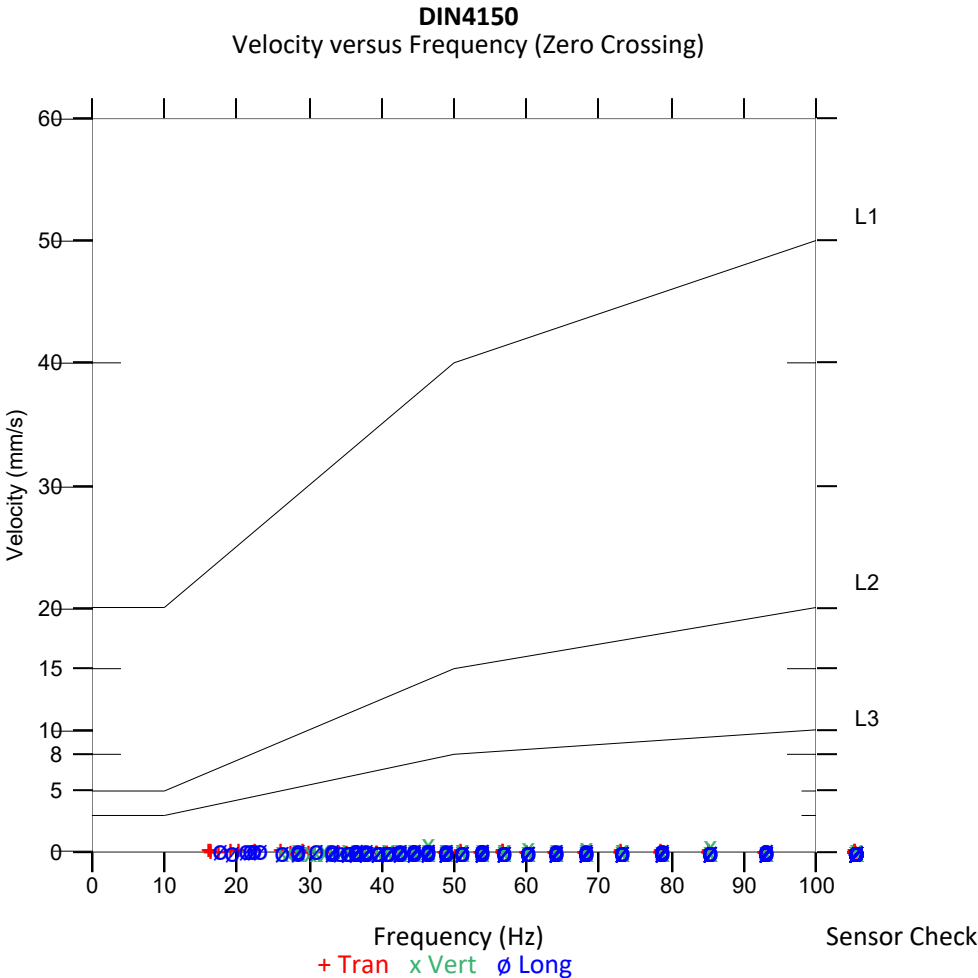
MM-10, Plavje 39

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.244 mm/s	0.599 mm/s	0.244 mm/s
30.1 Hz	64.0 Hz	28.4 Hz
0.059 sec	0.005 sec	0.066 sec
0.015 g	0.038 g	0.012 g
0.002 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.1 Hz
4.2	4.8	5.2

Peak Vector Sum 0.609 mm/s at 0.005 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 09:21:34
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221025092134.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

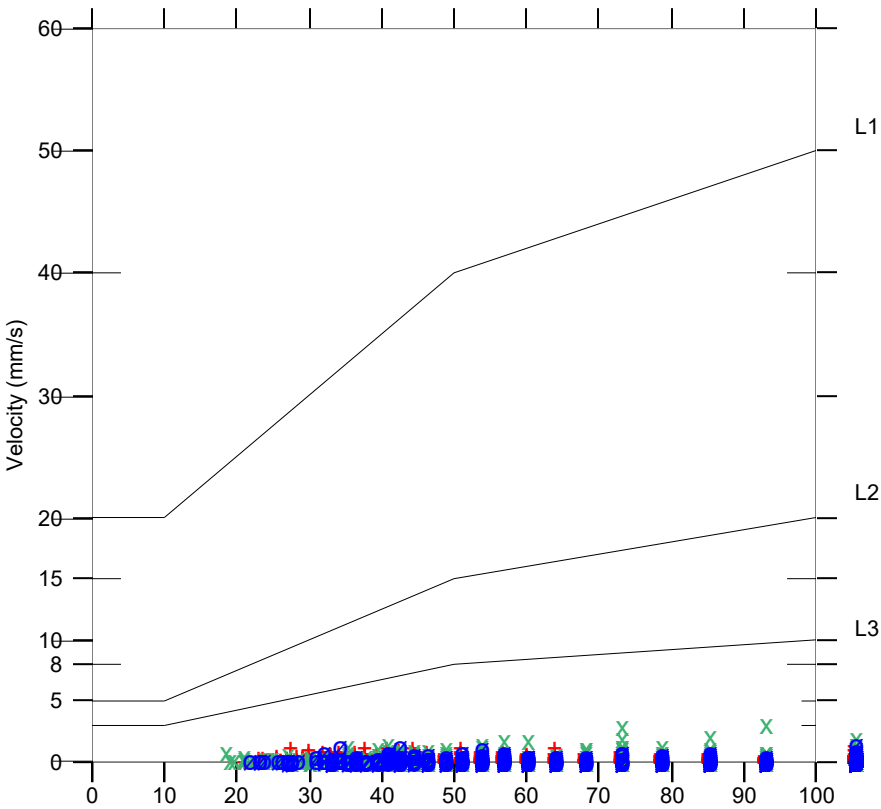
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

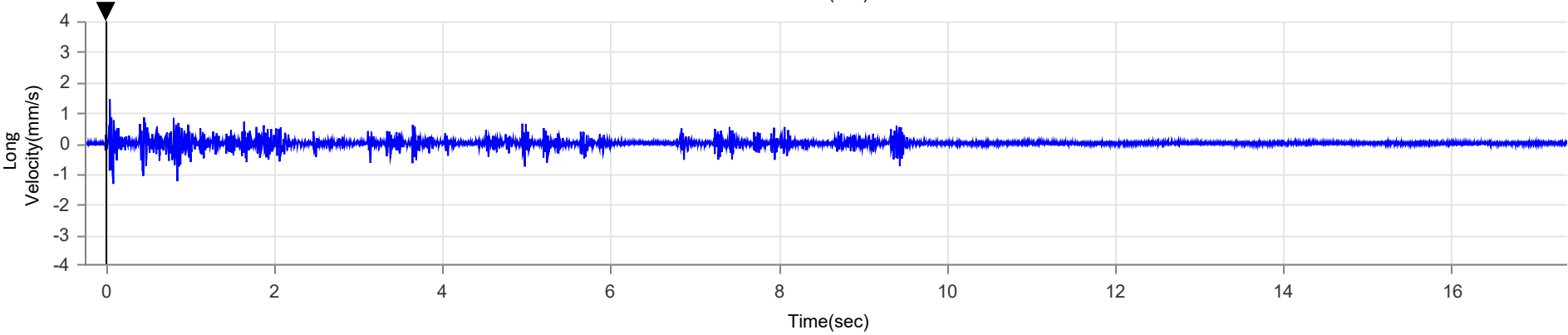
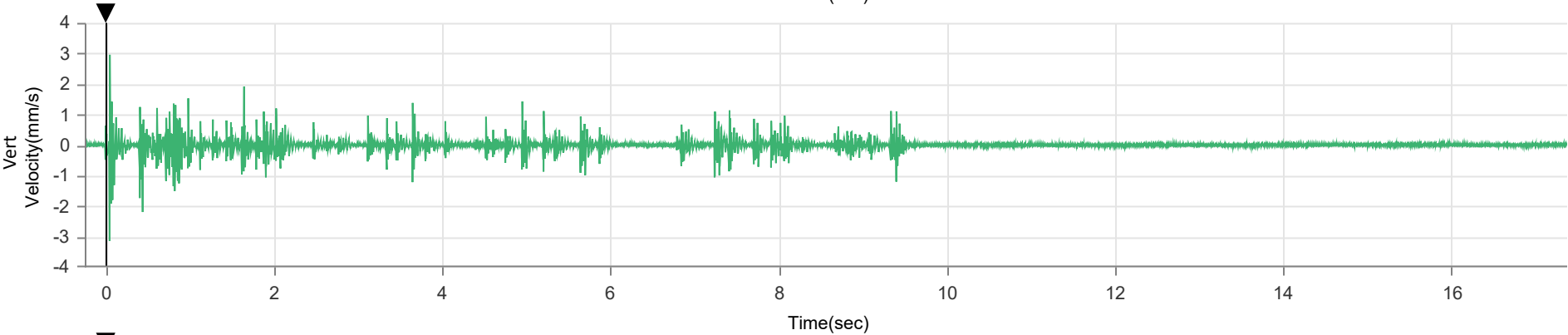
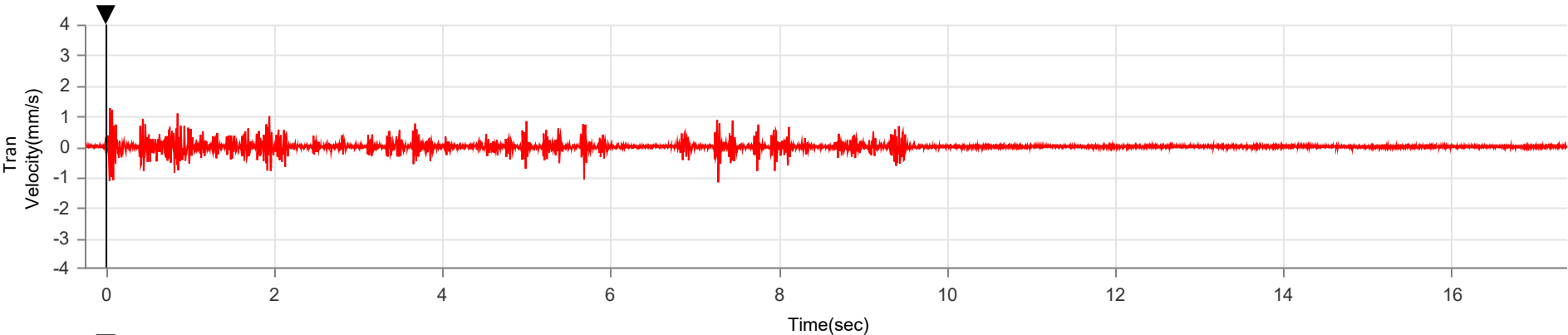
Tran	Vert	Long
1.261 mm/s	3.137 mm/s	1.450 mm/s
>100 Hz	93.1 Hz	>100 Hz
0.051 sec	0.047 sec	0.049 sec
0.189 g	0.383 g	0.174 g
0.004 mm	0.005 mm	0.004 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.1 Hz
4.2	4.8	5.2

Peak Vector Sum 3.313 mm/s at 0.049 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 11:12:53
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221026111253.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

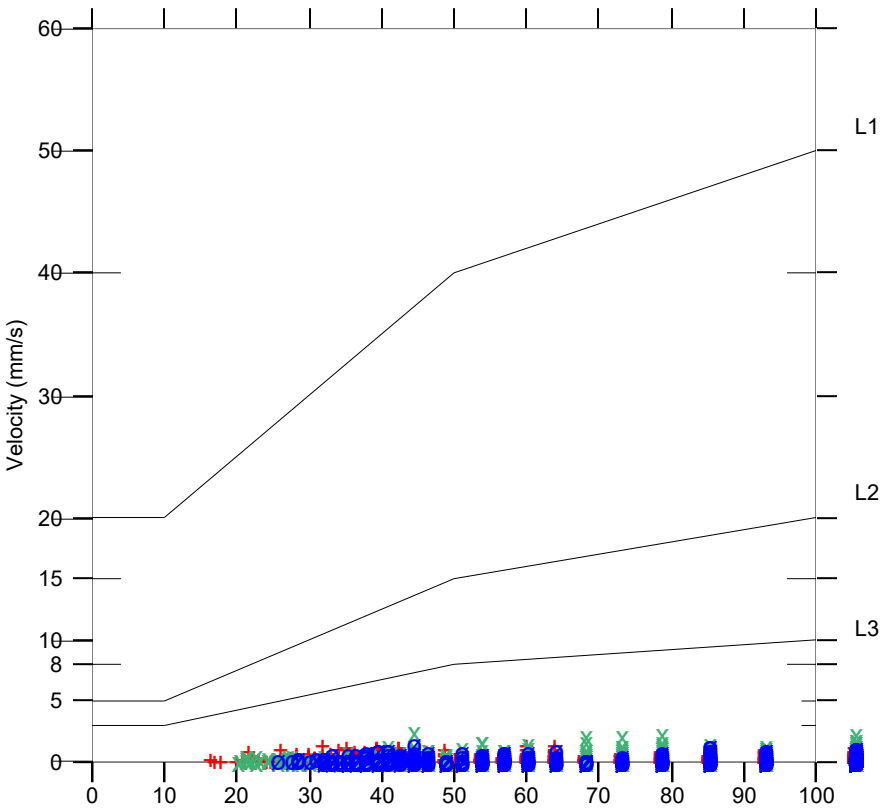
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
1.348 mm/s	2.396 mm/s	1.434 mm/s
60.2 Hz	44.5 Hz	44.5 Hz
0.675 sec	0.646 sec	0.359 sec
0.166 g	0.275 g	0.142 g
0.004 mm	0.005 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.1 Hz
4.2	4.8	5.2

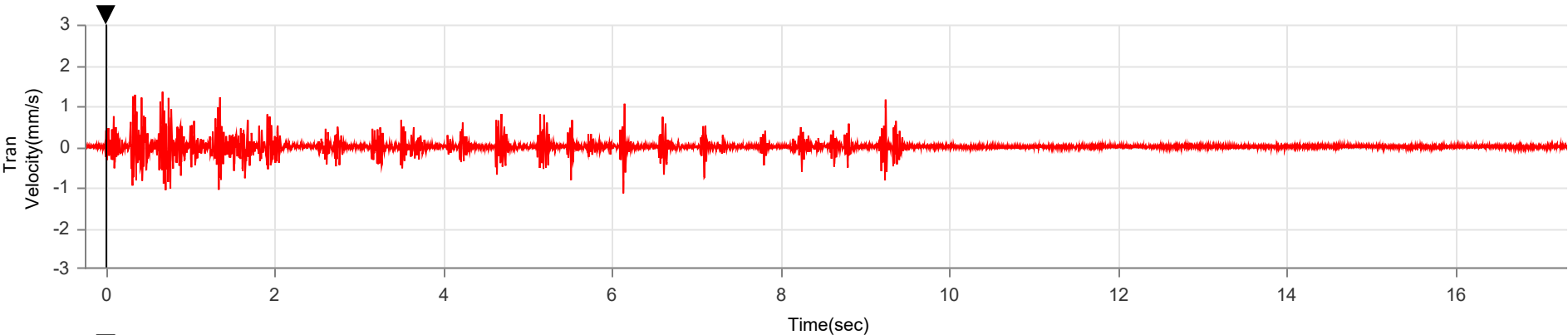
Peak Vector Sum 2.593 mm/s at 0.432 sec

DIN4150
Velocity versus Frequency (Zero Crossing)

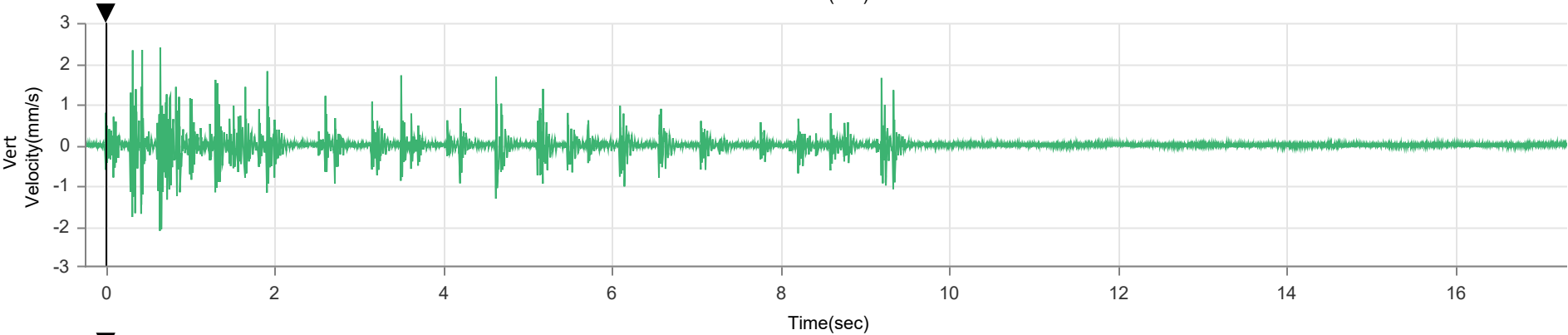


Sensor Check

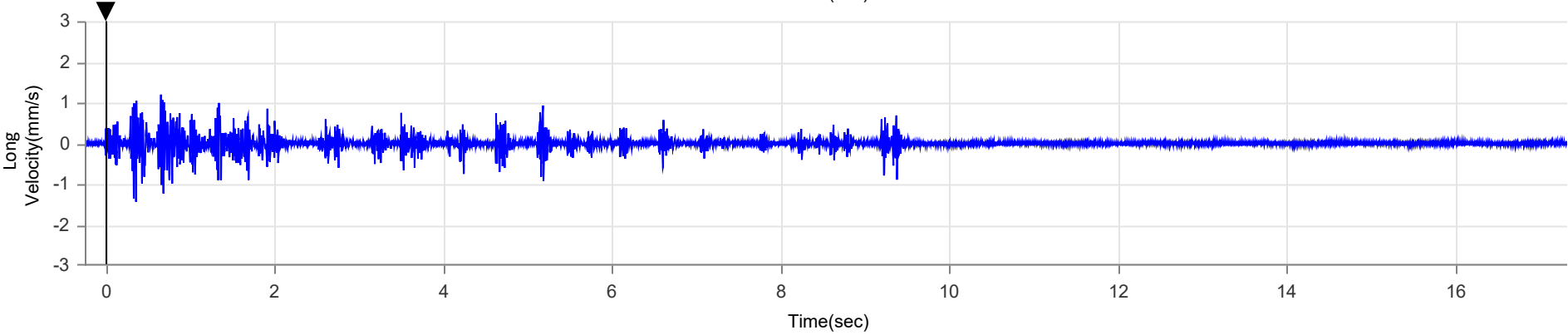
Frequency (Hz)
+ Tran x Vert o Long



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 16:42:58
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221026164258.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

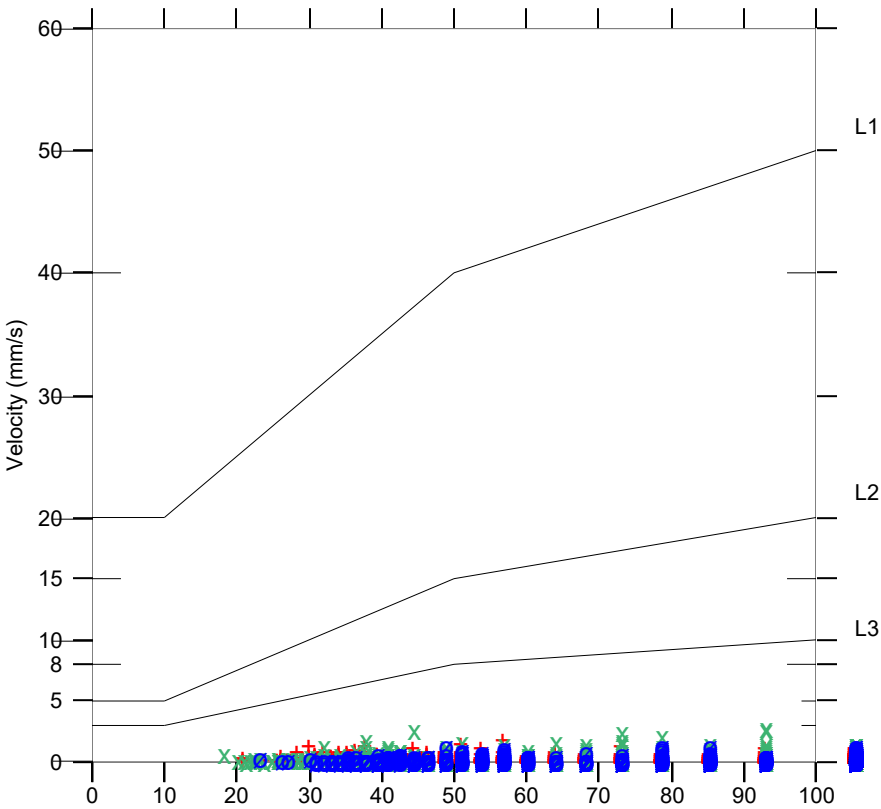
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

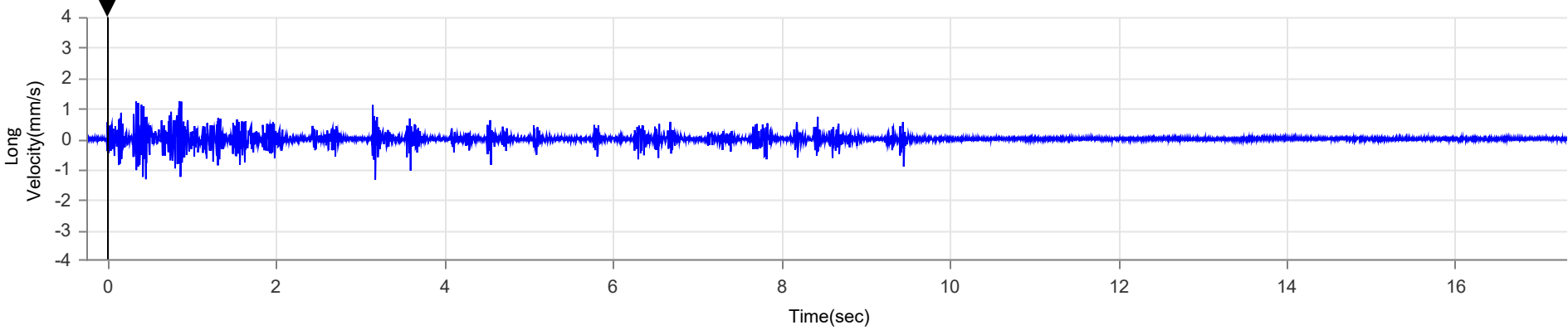
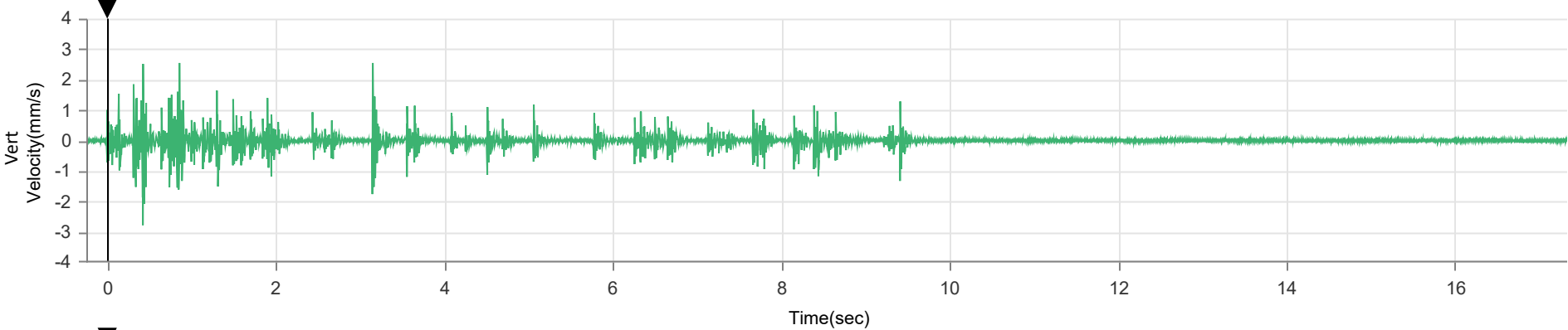
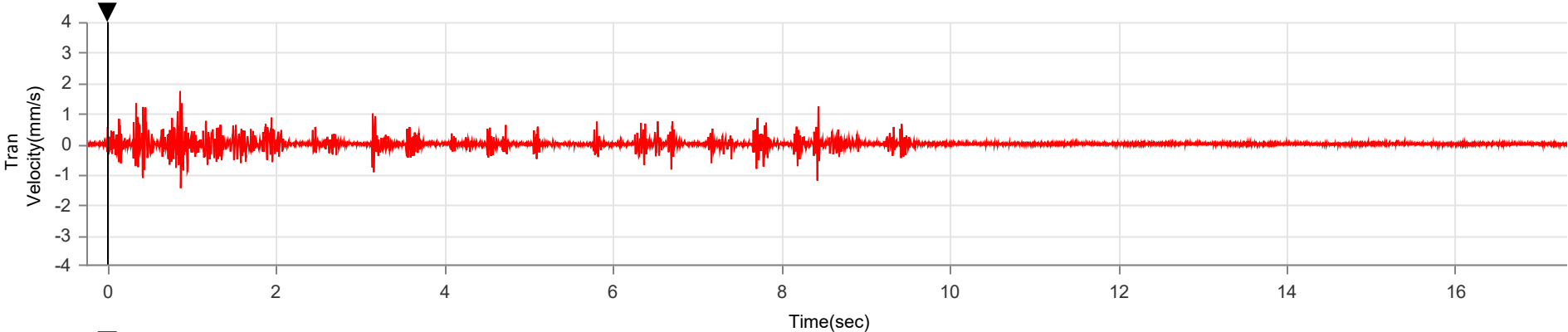
Tran	Vert	Long
1.734 mm/s	2.774 mm/s	1.340 mm/s
56.9 Hz	93.1 Hz	85.3 Hz
0.864 sec	0.422 sec	3.181 sec
0.145 g	0.357 g	0.174 g
0.006 mm	0.006 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.1 Hz
4.2	4.8	5.2

Peak Vector Sum 2.958 mm/s at 0.422 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert o Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 11:57:29
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

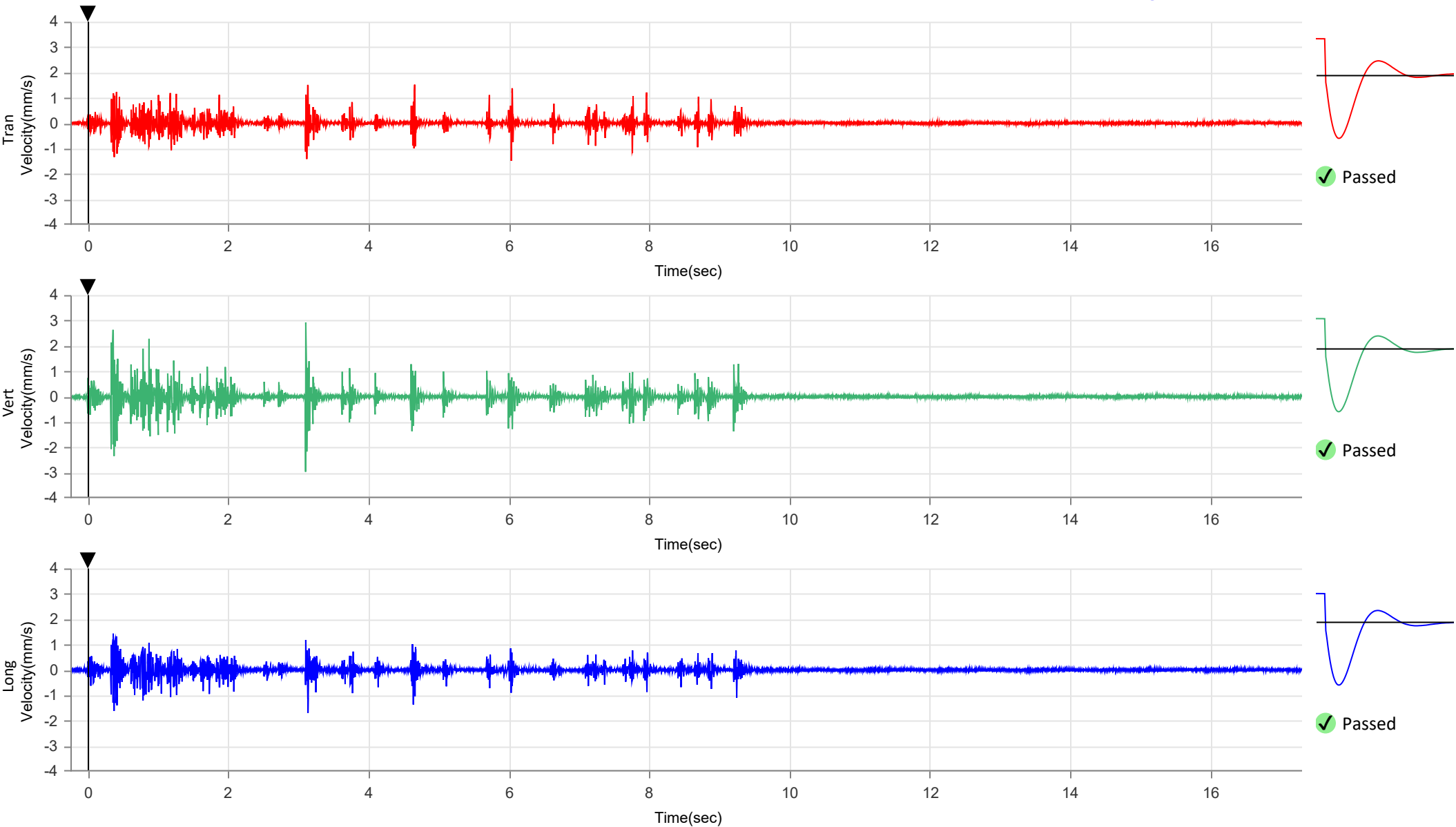
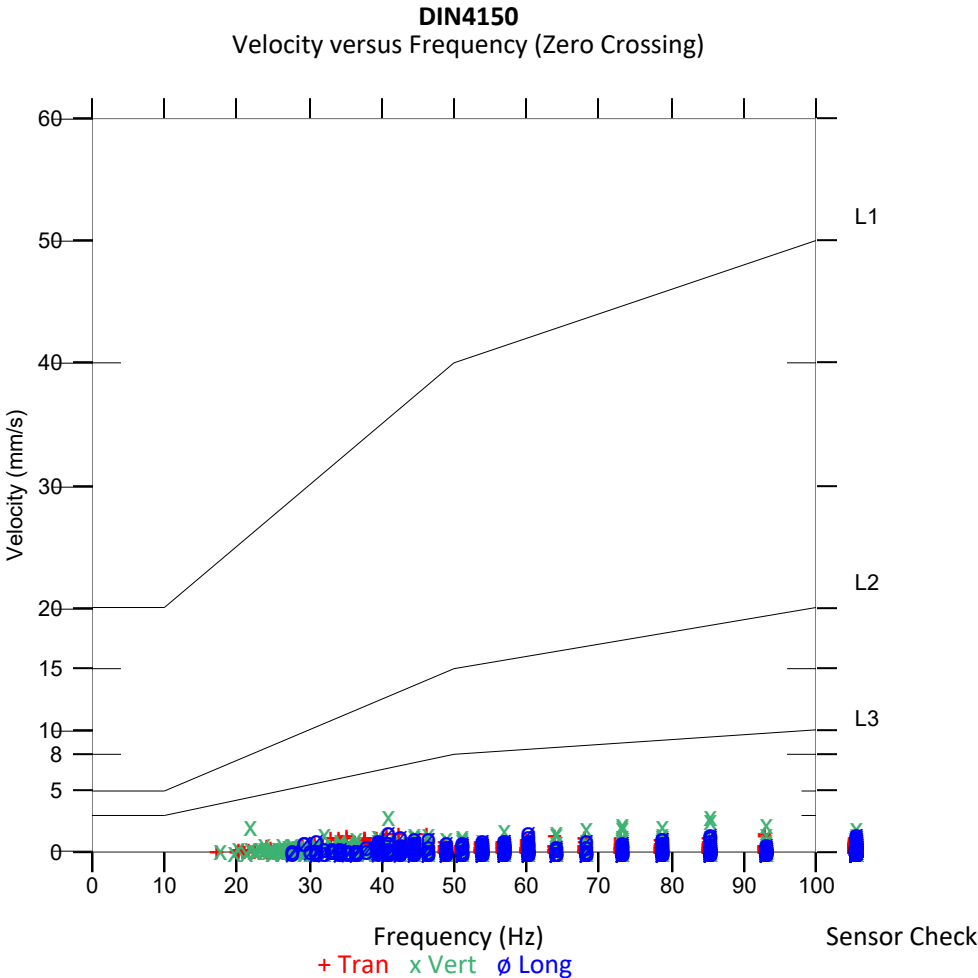
UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221027115729.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.521 mm/s	2.964 mm/s	1.695 mm/s
Zero Crossing Frequency	46.5 Hz	85.3 Hz	60.2 Hz
Time (Relative to Trigger)	4.658 sec	3.104 sec	3.137 sec
Peak Acceleration	0.165 g	0.334 g	0.222 g
Peak Displacement	0.006 mm	0.008 mm	0.005 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.8	5.2
Peak Vector Sum	3.169 mm/s at 3.106 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 11:58:31
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221028115831.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

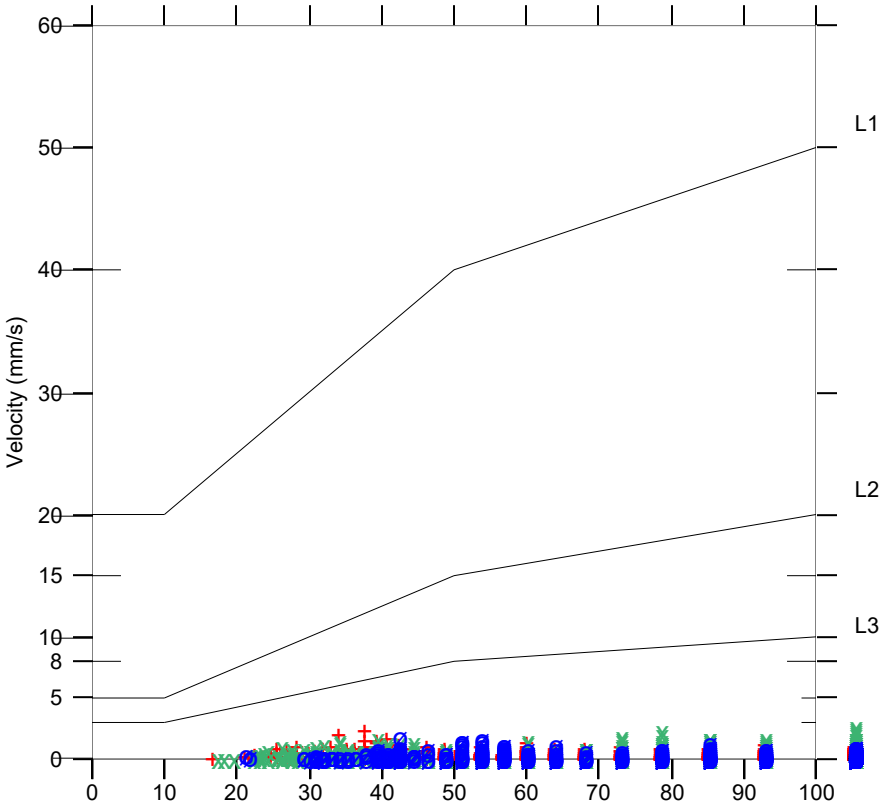
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
2.325 mm/s	2.609 mm/s	1.860 mm/s
37.9 Hz	>100 Hz	42.7 Hz
9.428 sec	9.390 sec	9.434 sec
0.158 g	0.291 g	0.155 g
0.010 mm	0.005 mm	0.006 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.1 Hz
4.2	4.8	5.2

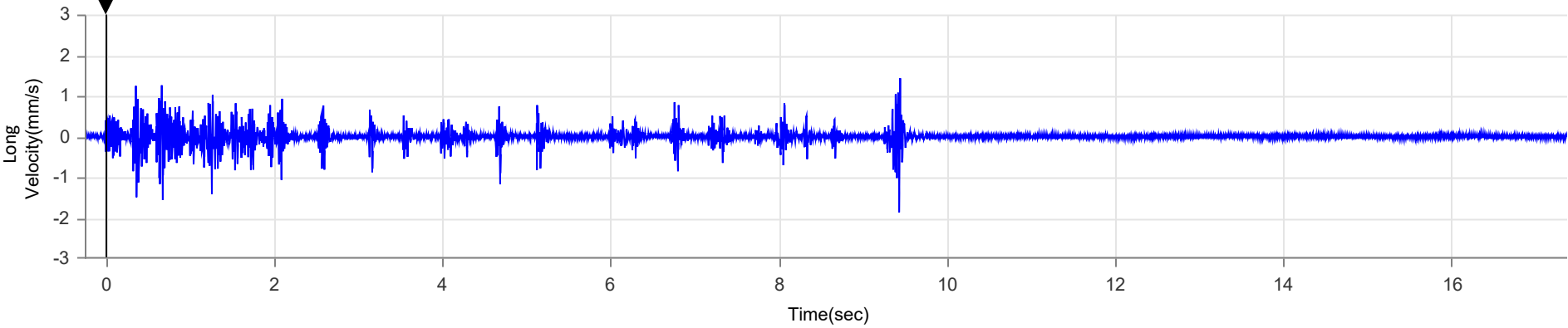
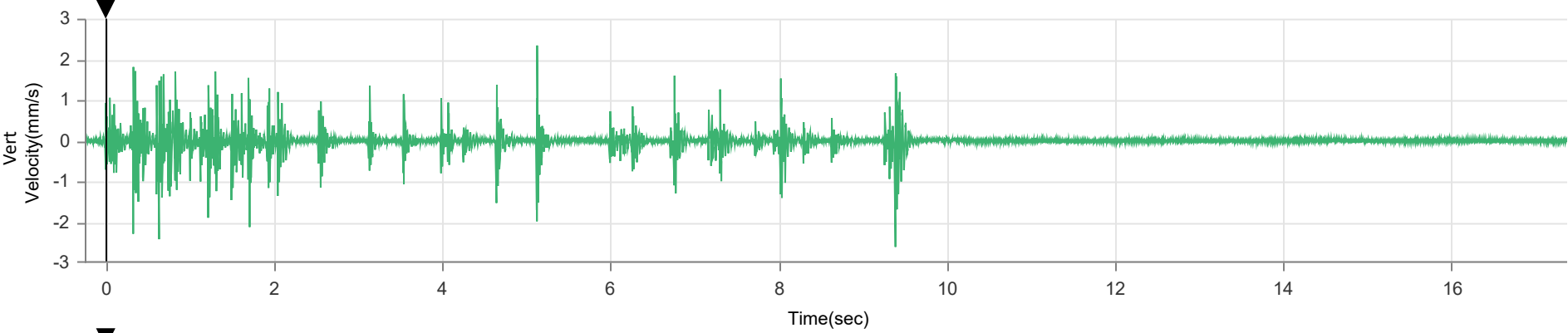
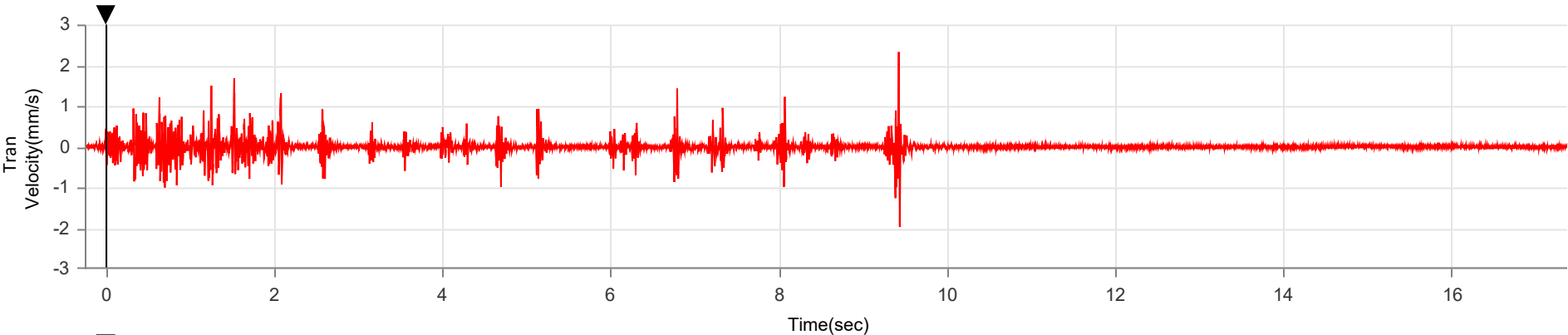
Peak Vector Sum 2.775 mm/s at 9.390 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long

Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 09:43:41
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

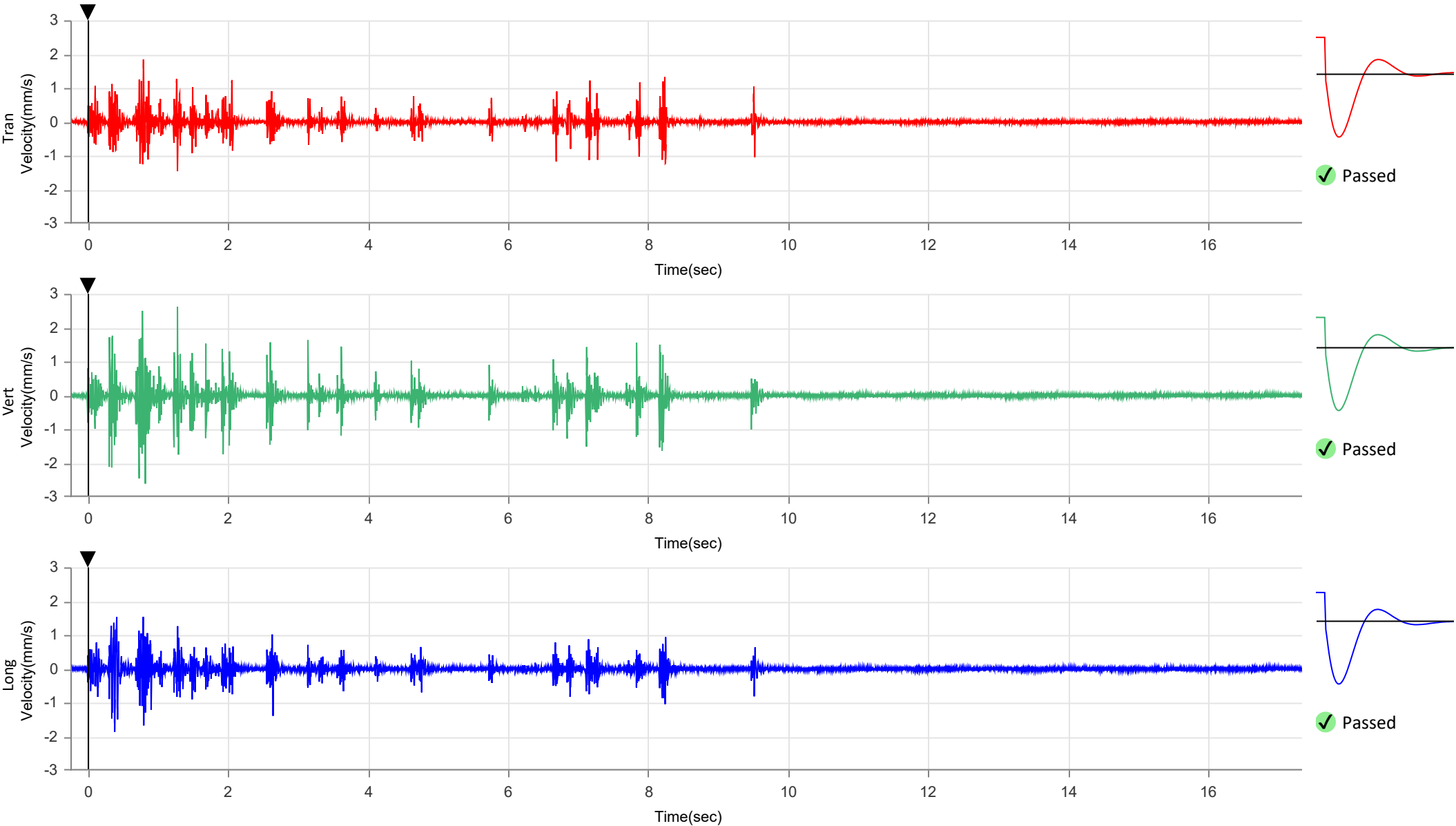
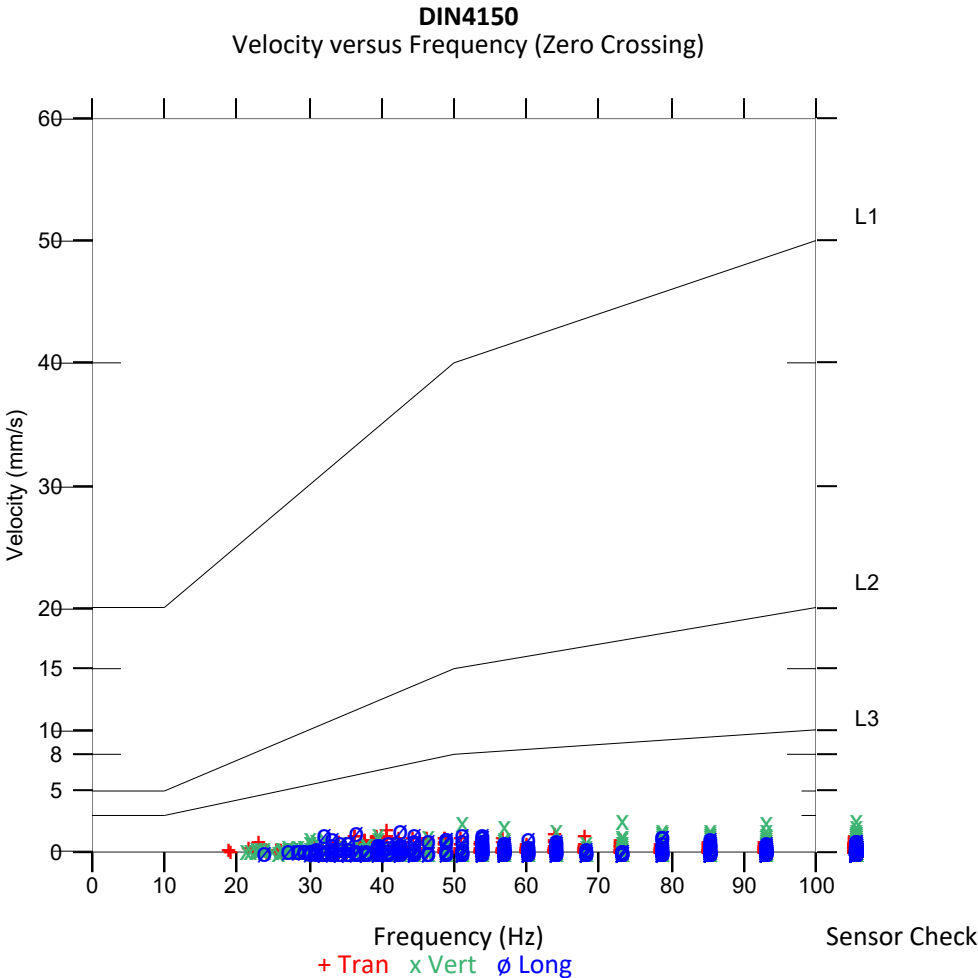
UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221029094341.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.844 mm/s	2.617 mm/s	1.860 mm/s
Zero Crossing Frequency	41.0 Hz	73.1 Hz	42.7 Hz
Time (Relative to Trigger)	0.793 sec	1.280 sec	0.382 sec
Peak Acceleration	0.160 g	0.278 g	0.165 g
Peak Displacement	0.008 mm	0.006 mm	0.006 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.8	5.2
Peak Vector Sum	3.082 mm/s at 1.280 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:32
Geo 0.500 mm/s
0.25 sec/17.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

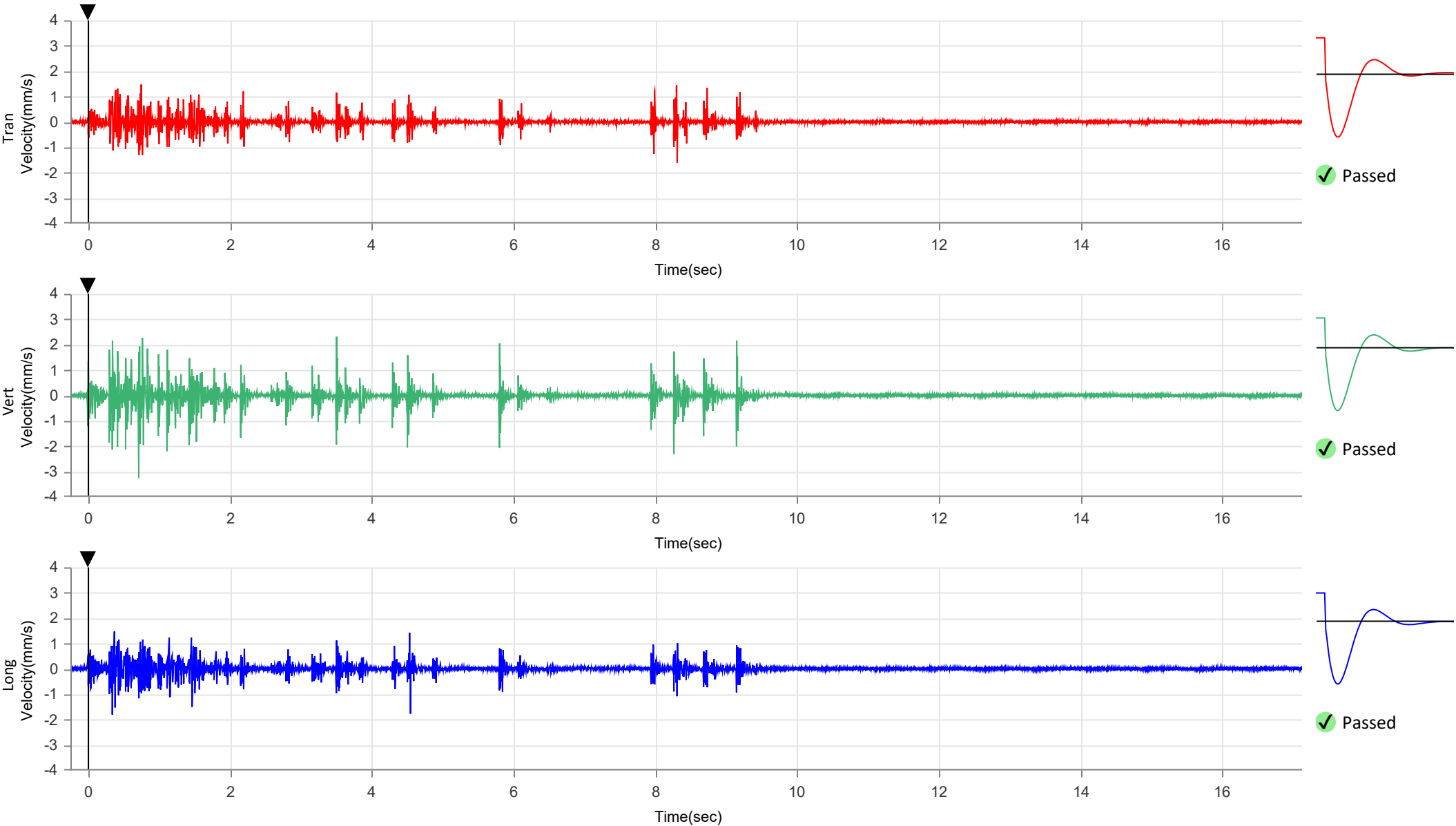
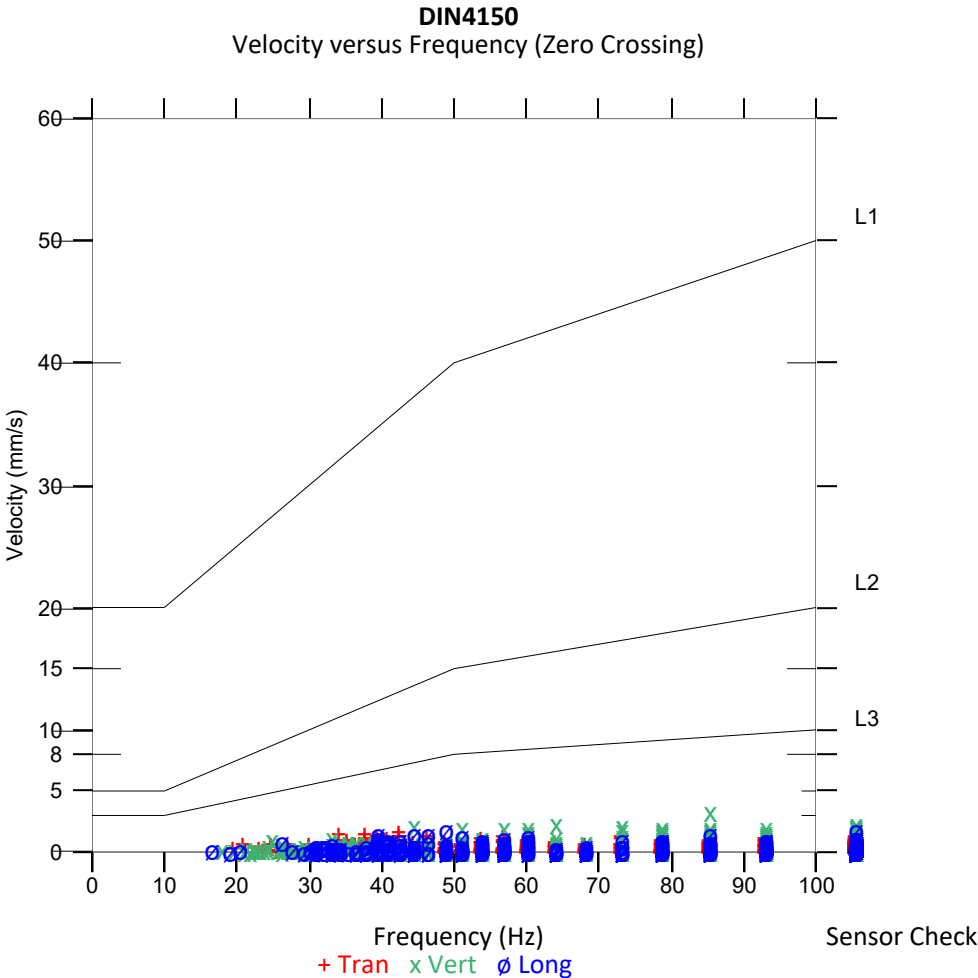
UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221030095432.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.608 mm/s	3.255 mm/s	1.805 mm/s
Zero Crossing Frequency	42.7 Hz	85.3 Hz	>100 Hz
Time (Relative to Trigger)	8.310 sec	0.716 sec	0.342 sec
Peak Acceleration	0.199 g	0.352 g	0.220 g
Peak Displacement	0.007 mm	0.004 mm	0.006 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.9 Hz	7.9 Hz	7.7 Hz
Overswing Ratio	4.2	4.8	5.3
Peak Vector Sum	3.446 mm/s at 0.716 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:55
Geo 0.500 mm/s
0.25 sec/15.6 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

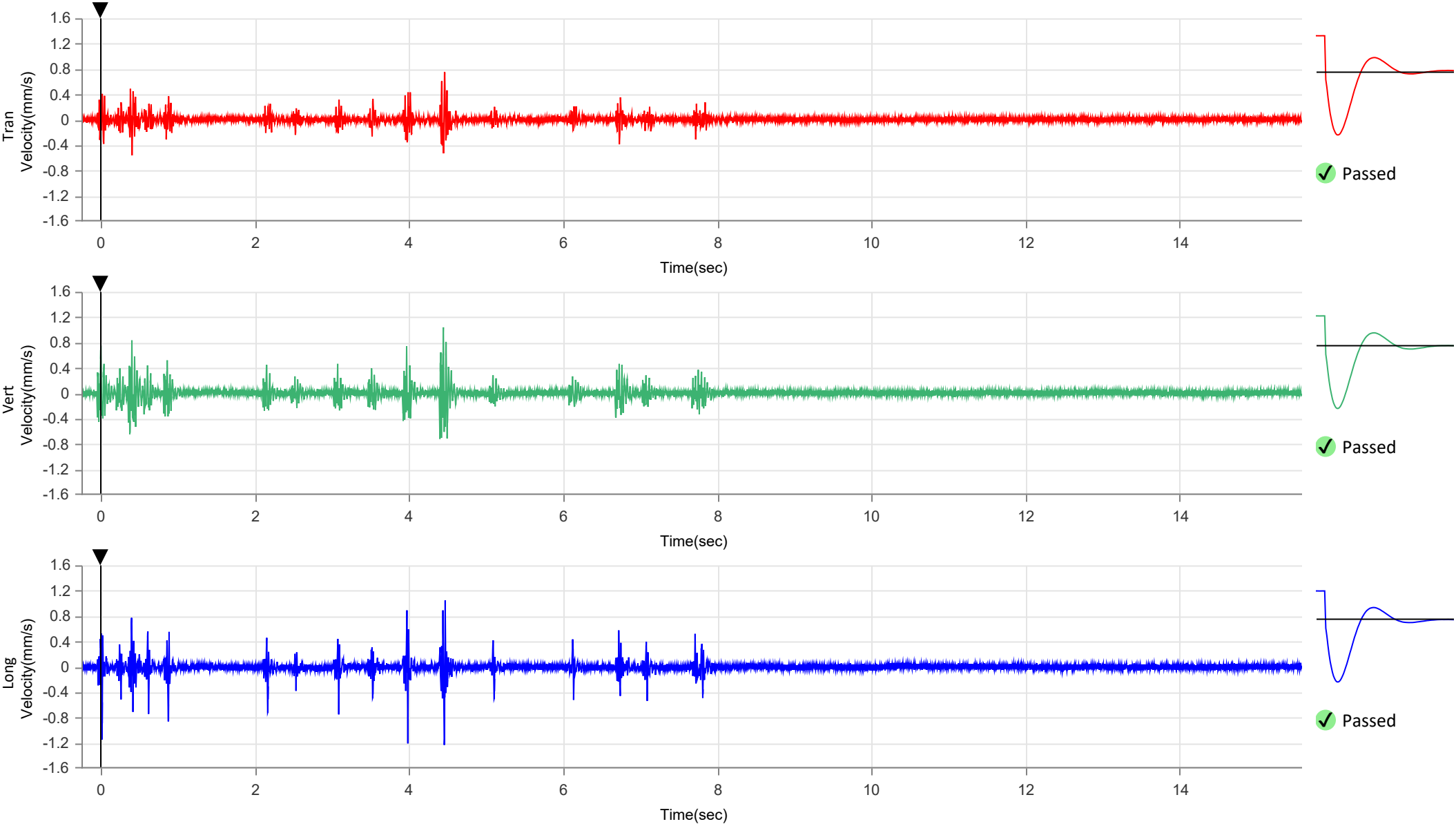
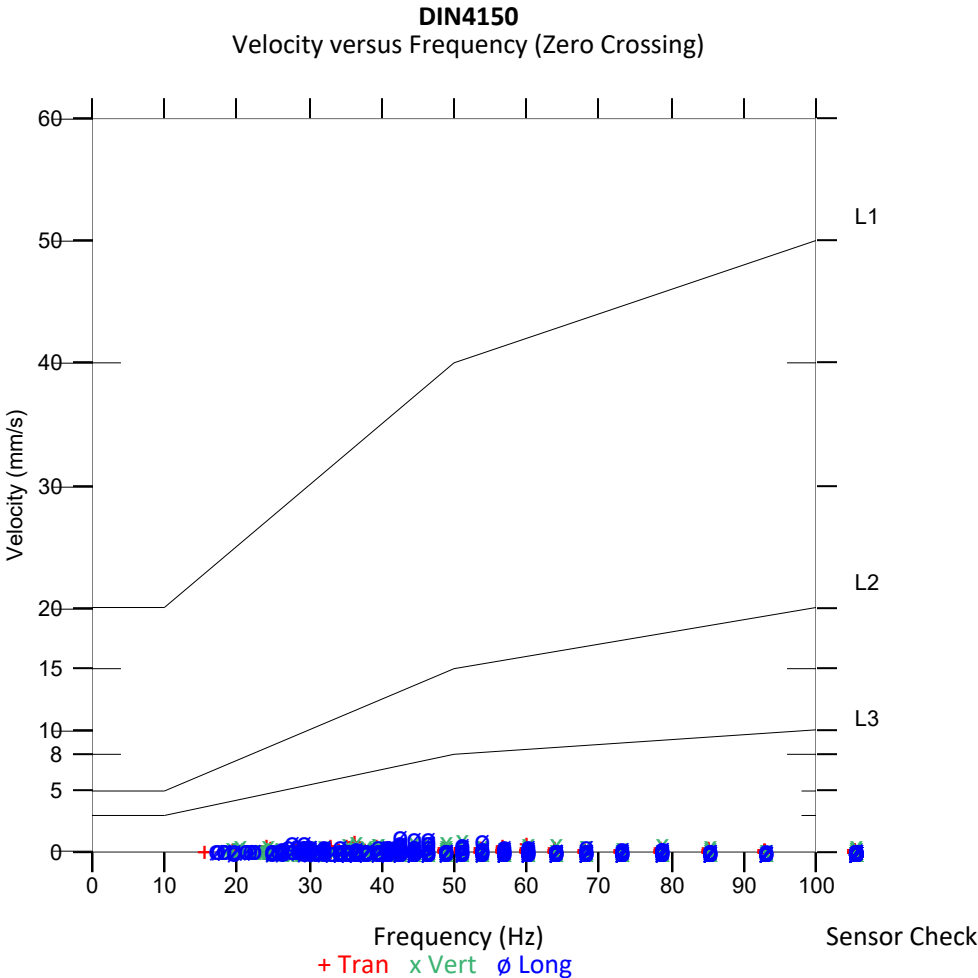
UM20418
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20418_20221030112955.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-10, Plavje 39

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.757 mm/s	1.040 mm/s	1.230 mm/s
Zero Crossing Frequency	36.6 Hz	51.2 Hz	42.7 Hz
Time (Relative to Trigger)	4.462 sec	4.445 sec	4.458 sec
Peak Acceleration	0.033 g	0.049 g	0.049 g
Peak Displacement	0.003 mm	0.003 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.9 Hz	7.9 Hz	7.7 Hz
Overswing Ratio	4.2	4.8	5.3
Peak Vector Sum	1.384 mm/s at 4.460 sec		



PRILOGA 1.4:
Rezultati meritev
- MM-11 (Plavje 38a) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 11:30:11
Geo 0.500 mm/s
0.25 sec/14.9 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221024113011.IDFW
Disabled

Notes
Location
Client
Company
General Notes

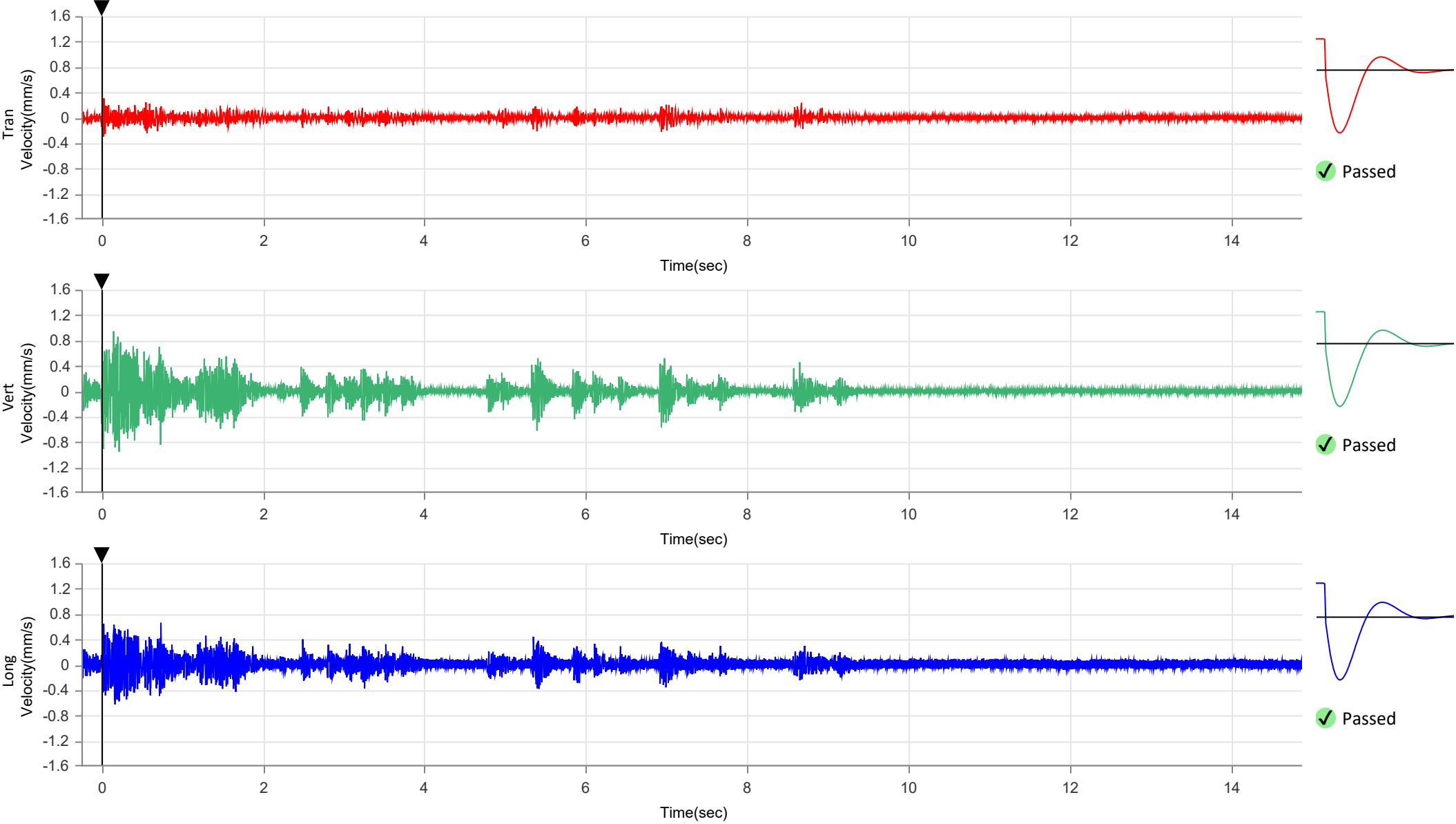
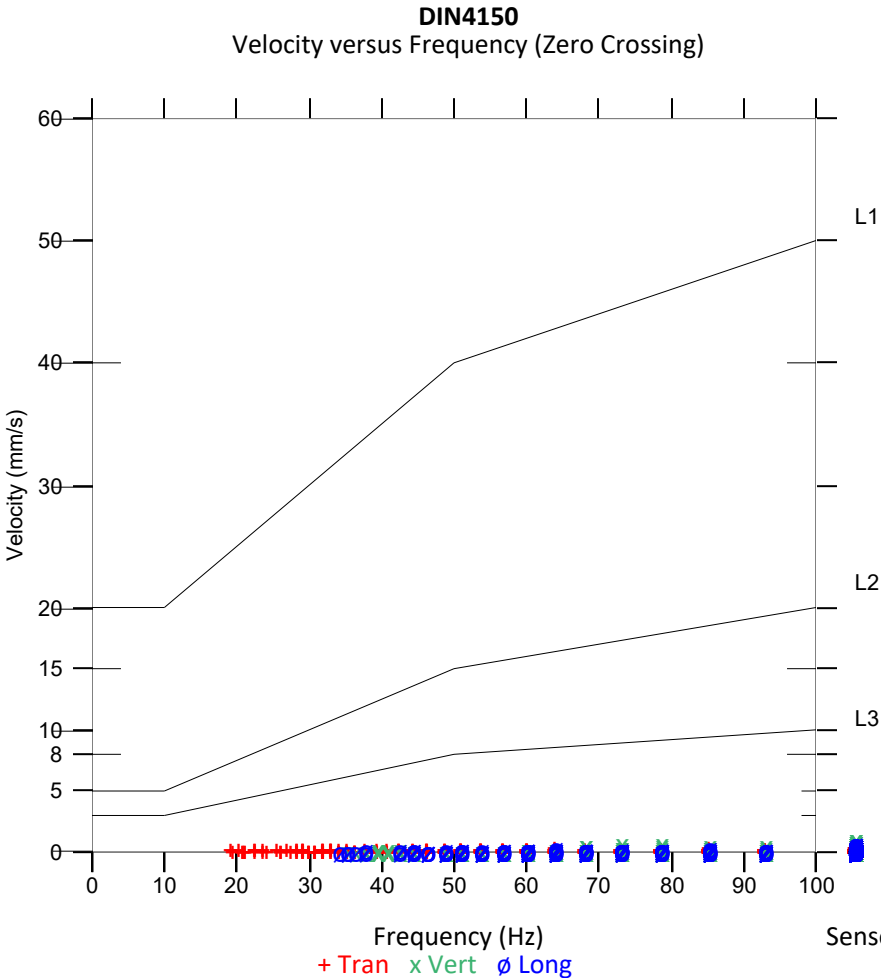
MM-11, Plavje 38a

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.307 mm/s	0.954 mm/s	0.662 mm/s
>100 Hz	>100 Hz	>100 Hz
0.028 sec	0.218 sec	0.734 sec
0.025 g	0.104 g	0.079 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
6.9 Hz	6.7 Hz	6.9 Hz
4.7	4.6	4.2

Peak Vector Sum 1.116 mm/s at 0.218 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 13:06:00
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221024130600.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-11, Plavje 38a

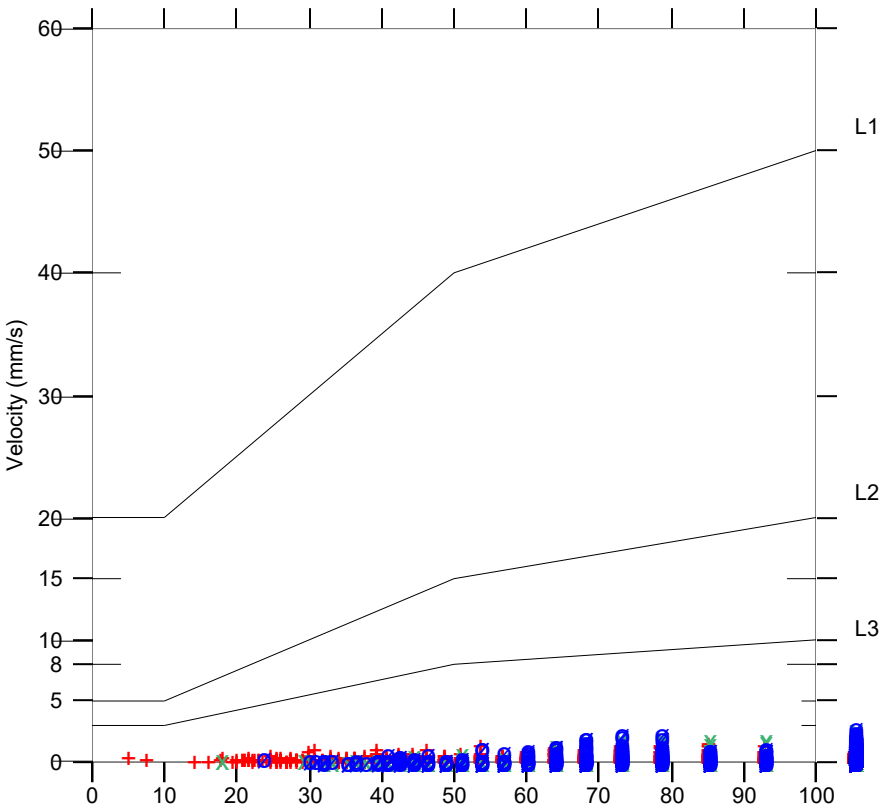
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

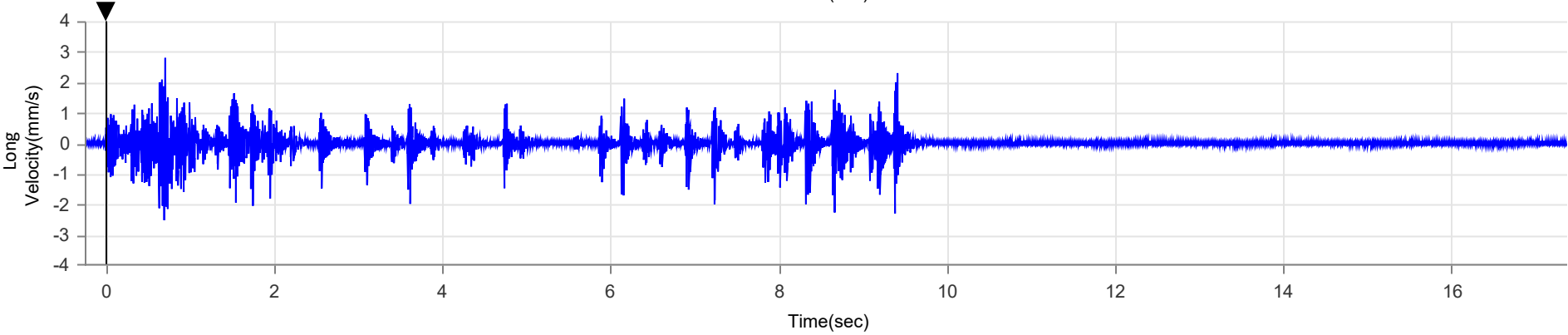
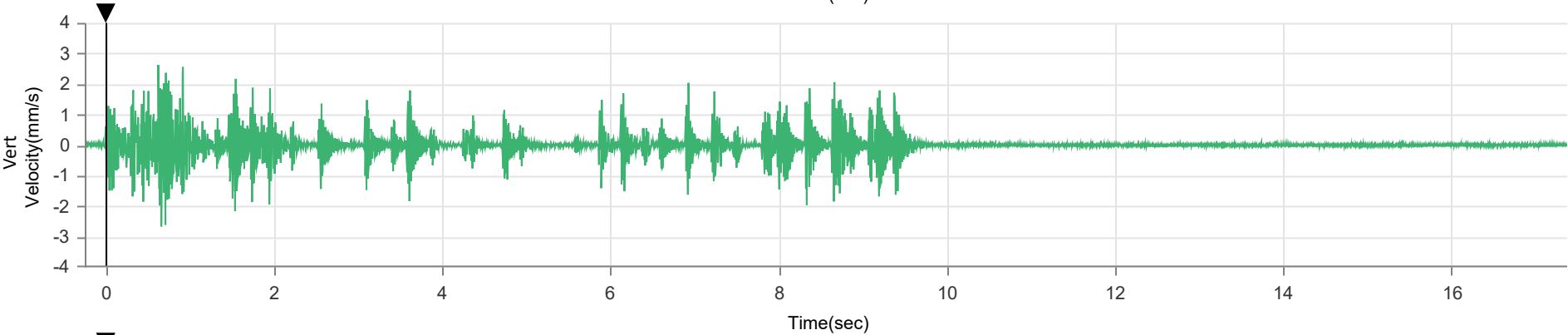
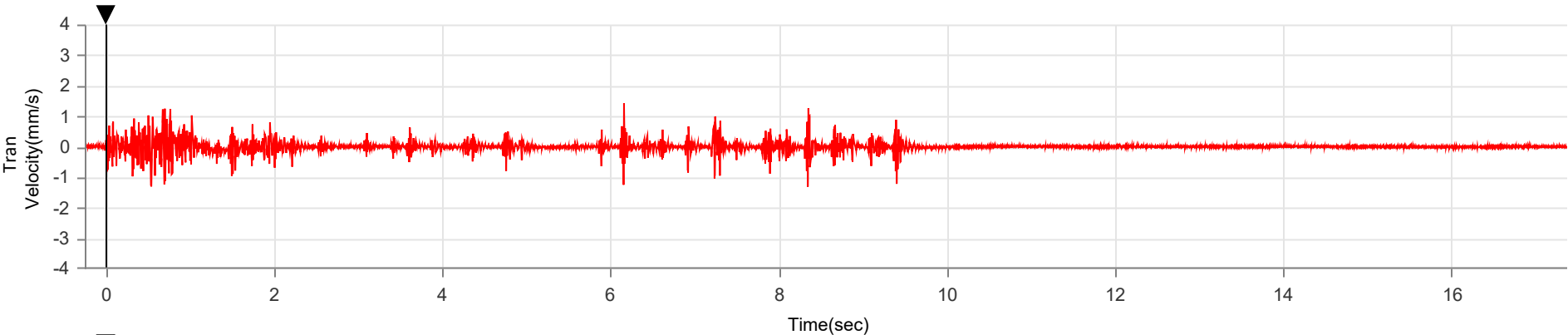
Tran	Vert	Long
1.427 mm/s	2.664 mm/s	2.798 mm/s
85.3 Hz	>100 Hz	>100 Hz
6.162 sec	0.661 sec	0.707 sec
0.084 g	0.239 g	0.219 g
0.006 mm	0.004 mm	0.004 mm
✓ Passed	✓ Passed	✓ Passed
6.9 Hz	6.7 Hz	6.9 Hz
4.7	4.6	4.2

Peak Vector Sum 3.135 mm/s at 0.661 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 09:21:34
Geo 0.500 mm/s
0.25 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

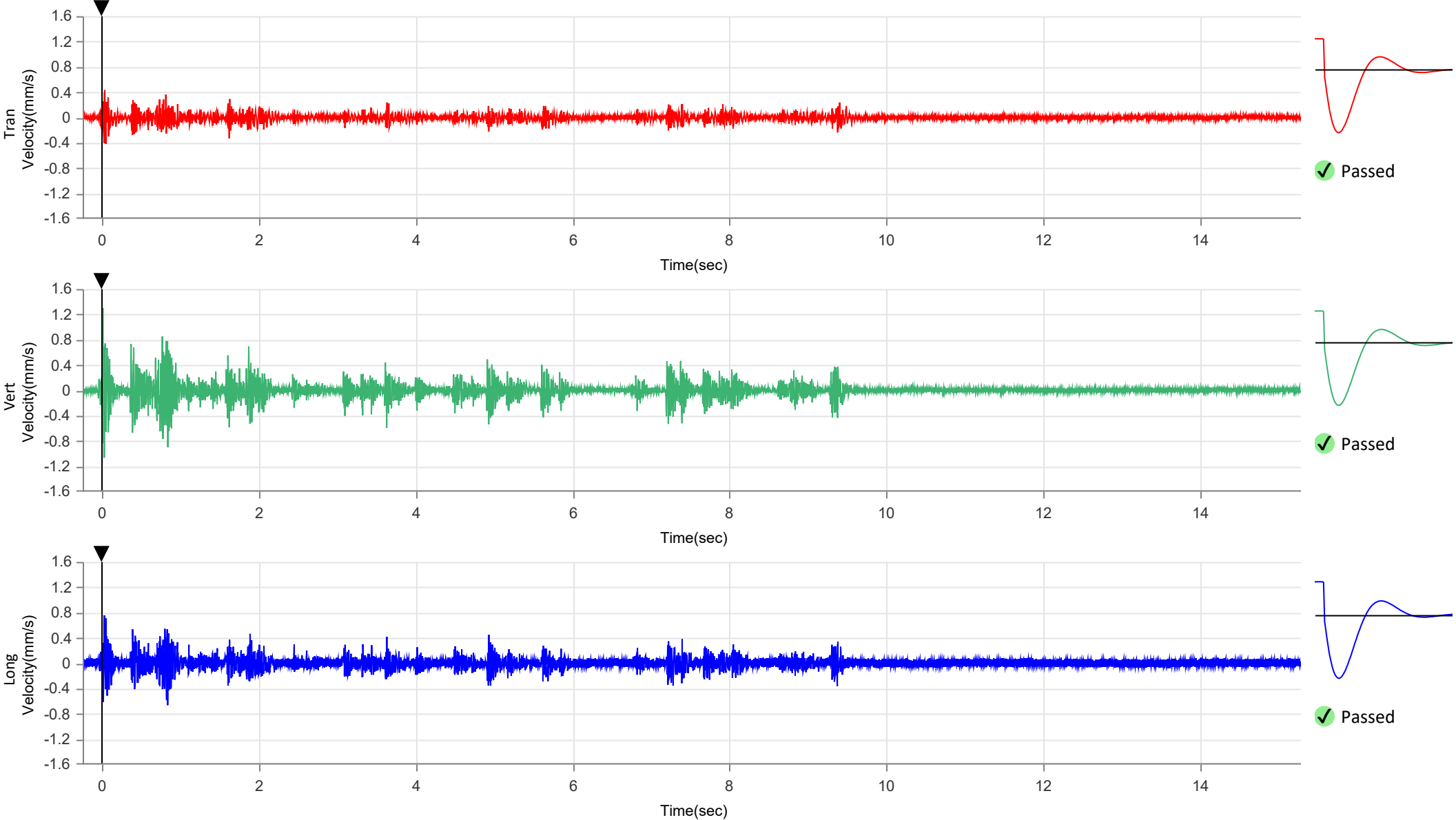
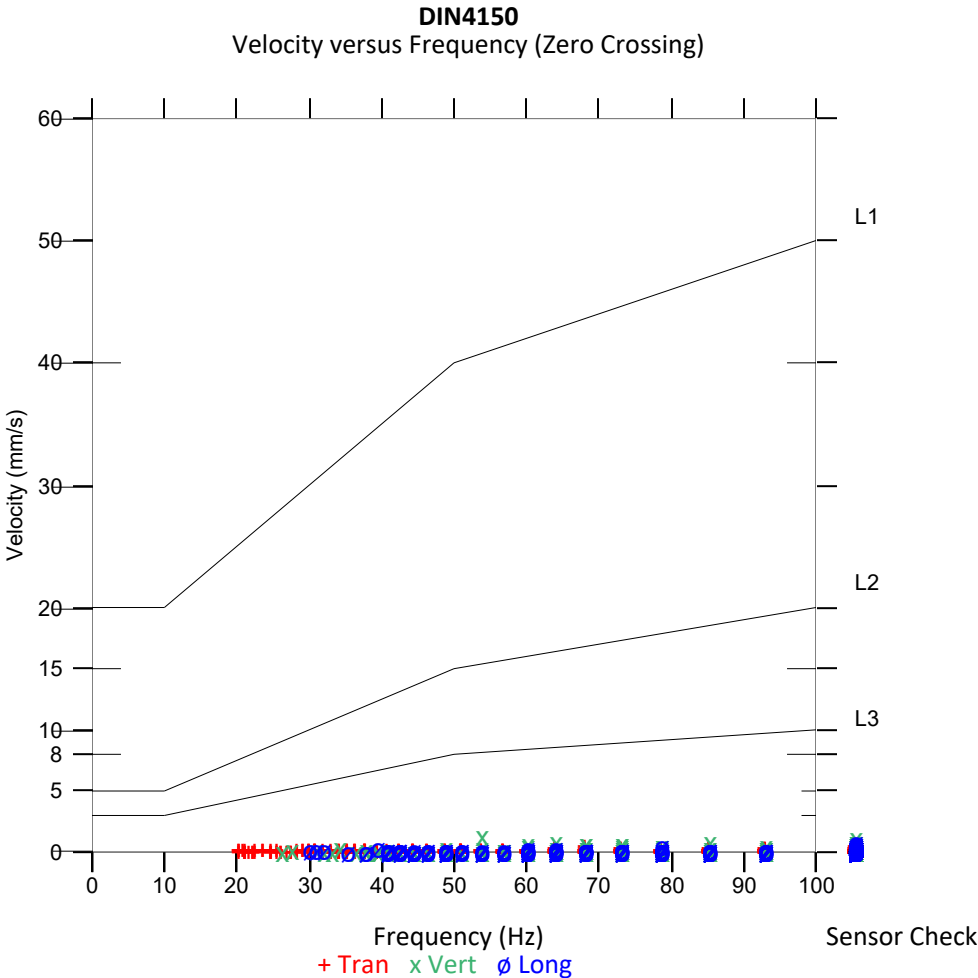
UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221025092134.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-11, Plavje 38a

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.434 mm/s	1.301 mm/s	0.757 mm/s
Zero Crossing Frequency	>100 Hz	78.8 Hz	>100 Hz
Time (Relative to Trigger)	0.031 sec	0.008 sec	0.028 sec
Peak Acceleration	0.035 g	0.100 g	0.066 g
Peak Displacement	0.001 mm	0.002 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.9 Hz	6.7 Hz	6.9 Hz
Overswing Ratio	4.7	4.6	4.2
Peak Vector Sum	1.334 mm/s at 0.008 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 11:12:53
Geo 0.500 mm/s
0.25 sec/17.0 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

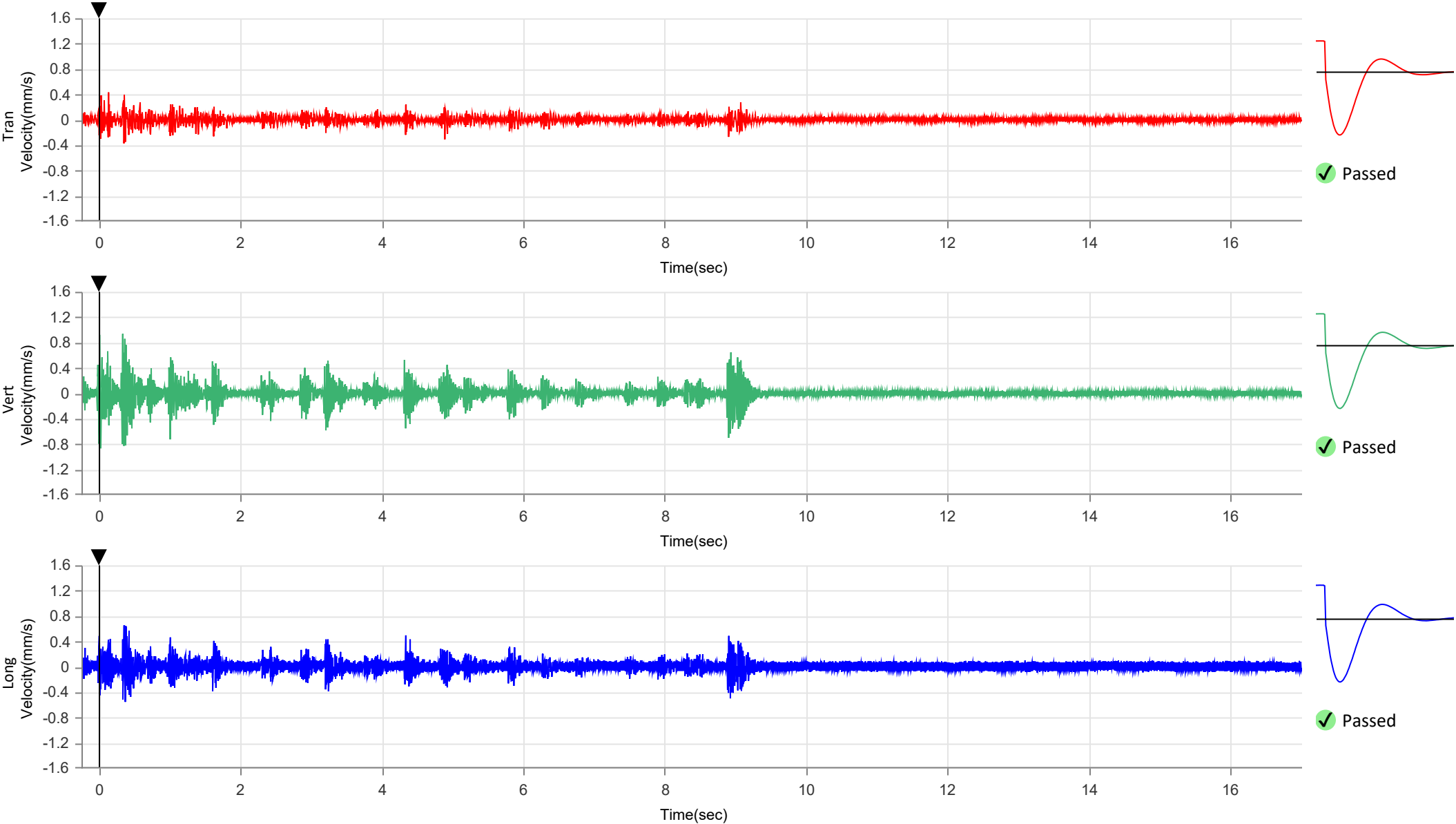
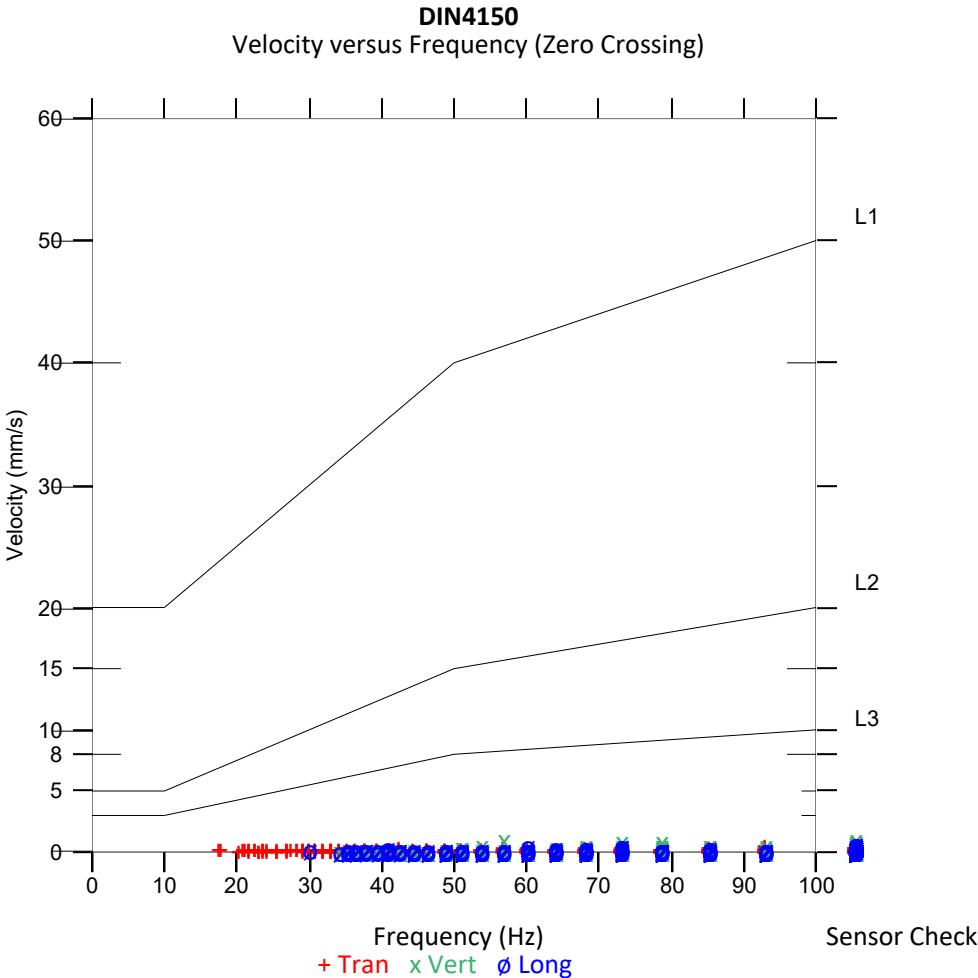
UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221026111253.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-11, Plavje 38a

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.434 mm/s	0.938 mm/s	0.654 mm/s
Zero Crossing Frequency	93.1 Hz	>100 Hz	>100 Hz
Time (Relative to Trigger)	0.135 sec	0.334 sec	0.354 sec
Peak Acceleration	0.030 g	0.095 g	0.076 g
Peak Displacement	0.001 mm	0.002 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.9 Hz	6.7 Hz	6.9 Hz
Overswing Ratio	4.7	4.6	4.2
Peak Vector Sum	1.037 mm/s at 0.334 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 16:42:58
Geo 0.500 mm/s
0.25 sec/15.9 sec (Auto)
2048 sps
factory.mmb
Operator

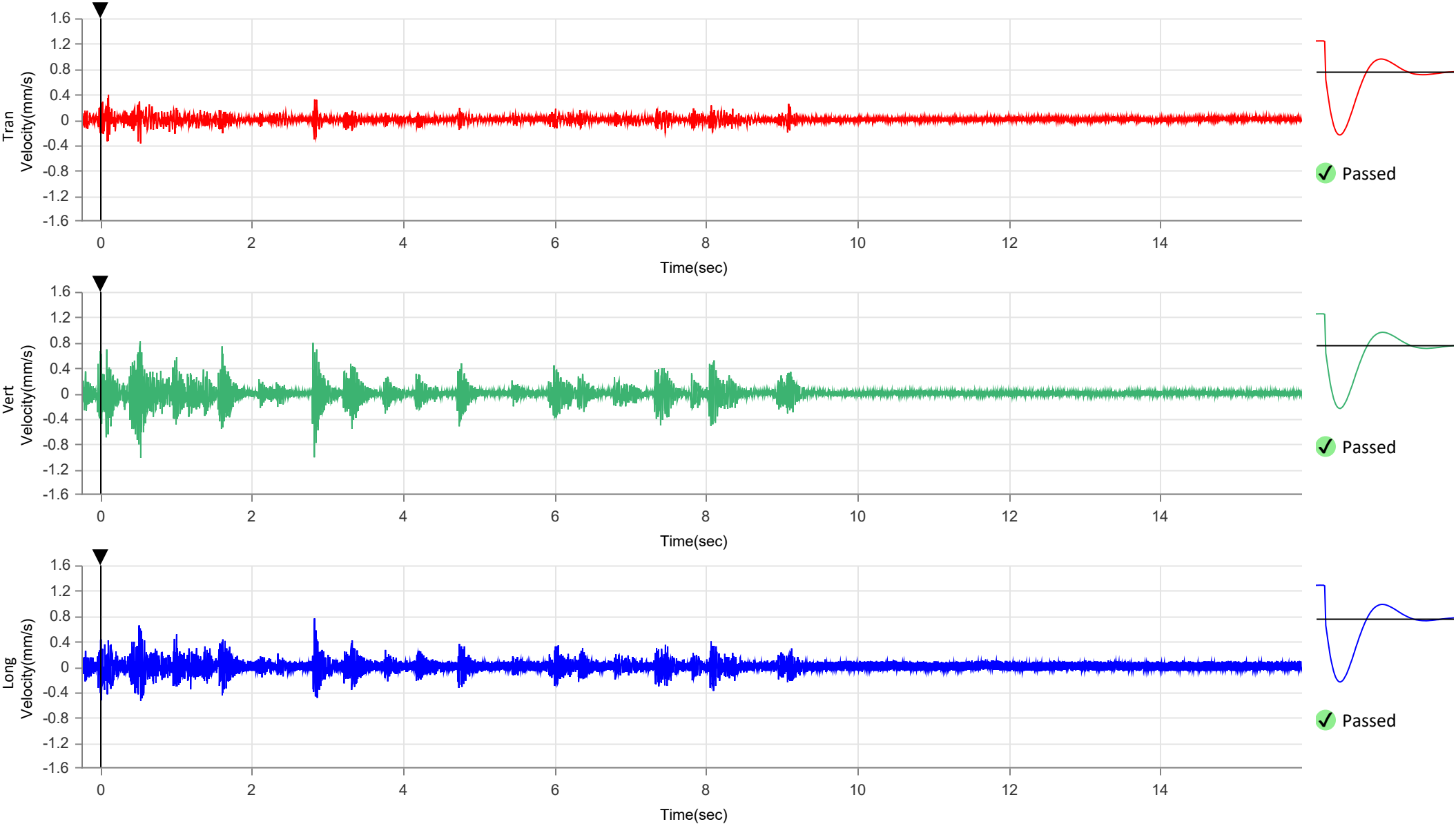
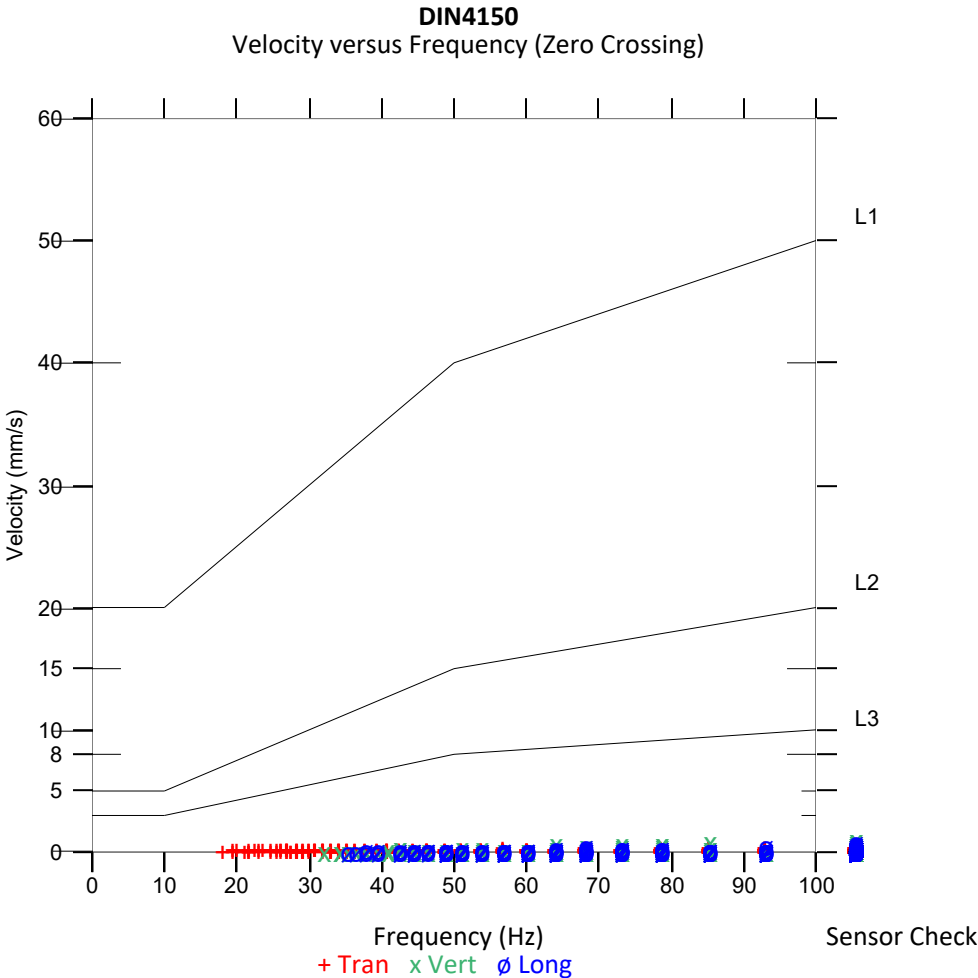
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221026164258.IDFW
Disabled

Notes
Location MM-11, Plavje 38a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.394 mm/s	1.017 mm/s	0.765 mm/s
Zero Crossing Frequency	>100 Hz	>100 Hz	>100 Hz
Time (Relative to Trigger)	0.108 sec	0.534 sec	2.830 sec
Peak Acceleration	0.035 g	0.097 g	0.074 g
Peak Displacement	0.001 mm	0.001 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.9 Hz	6.7 Hz	6.9 Hz
Overswing Ratio	4.7	4.6	4.2
Peak Vector Sum	1.188 mm/s at 0.534 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 11:57:29
Geo 0.500 mm/s
0.25 sec/10.6 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221027115729.IDFW
Disabled

Notes
Location
Client
Company
General Notes

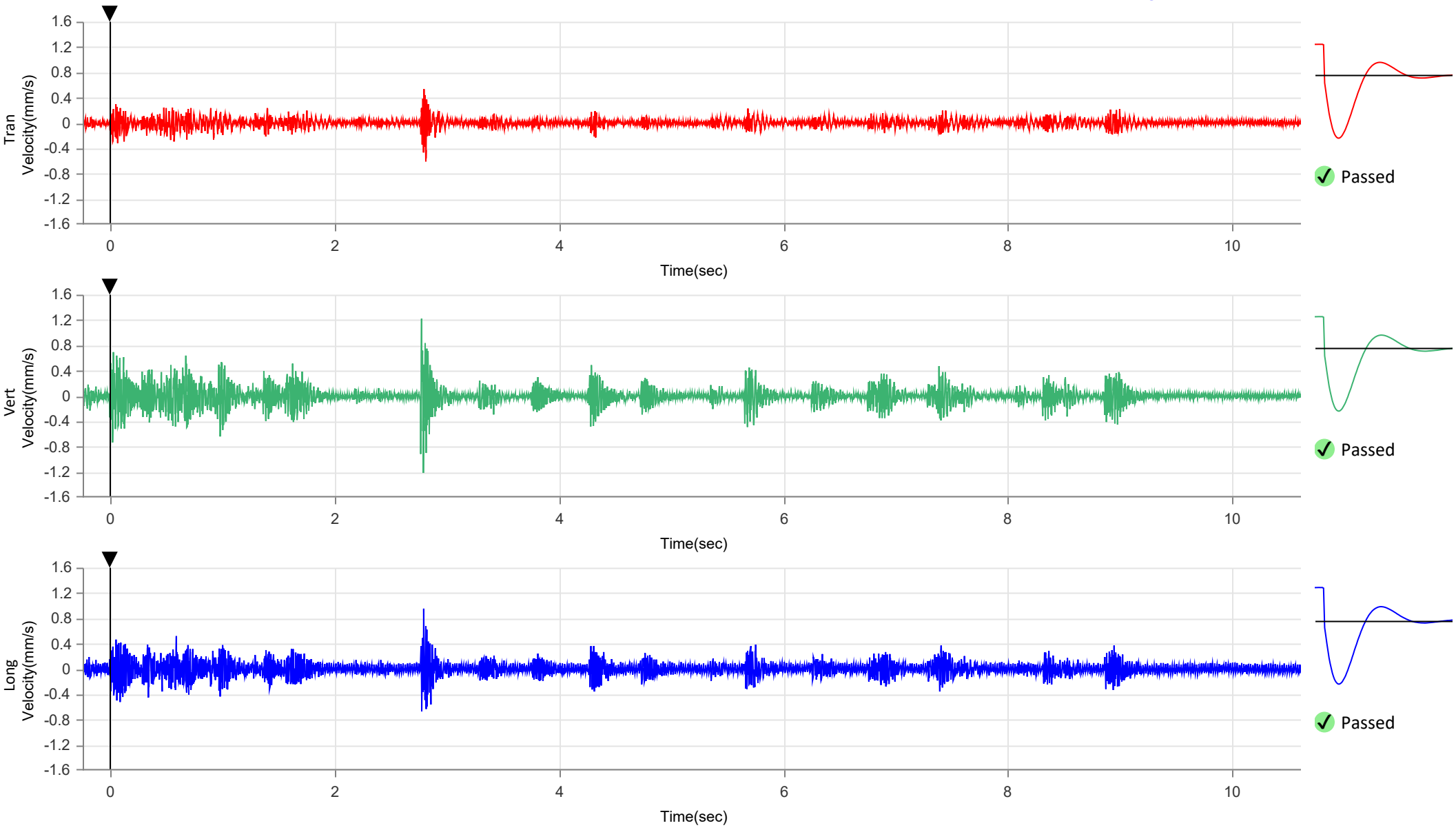
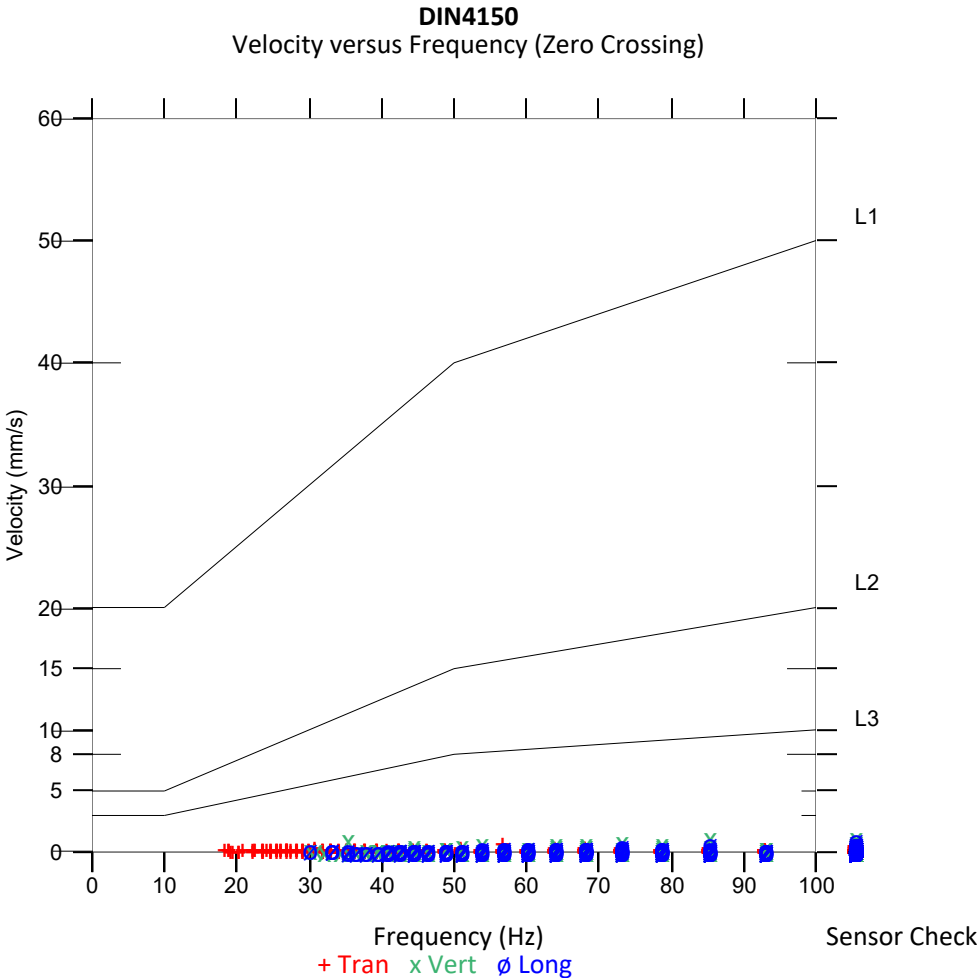
MM-11, Plavje 38a

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.607 mm/s	1.222 mm/s	0.954 mm/s
56.9 Hz	78.8 Hz	>100 Hz
2.811 sec	2.772 sec	2.792 sec
0.035 g	0.086 g	0.072 g
0.002 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
6.9 Hz	6.7 Hz	6.9 Hz
4.7	4.6	4.2

Peak Vector Sum 1.320 mm/s at 2.789 sec



PRILOGA 1.5:
Rezultati meritev
- MM-15 (Plavje 46) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 11:58:32
Geo 0.500 mm/s
0.25 sec/14.9 sec (Auto)
2048 sps
factory.MMB
Operator

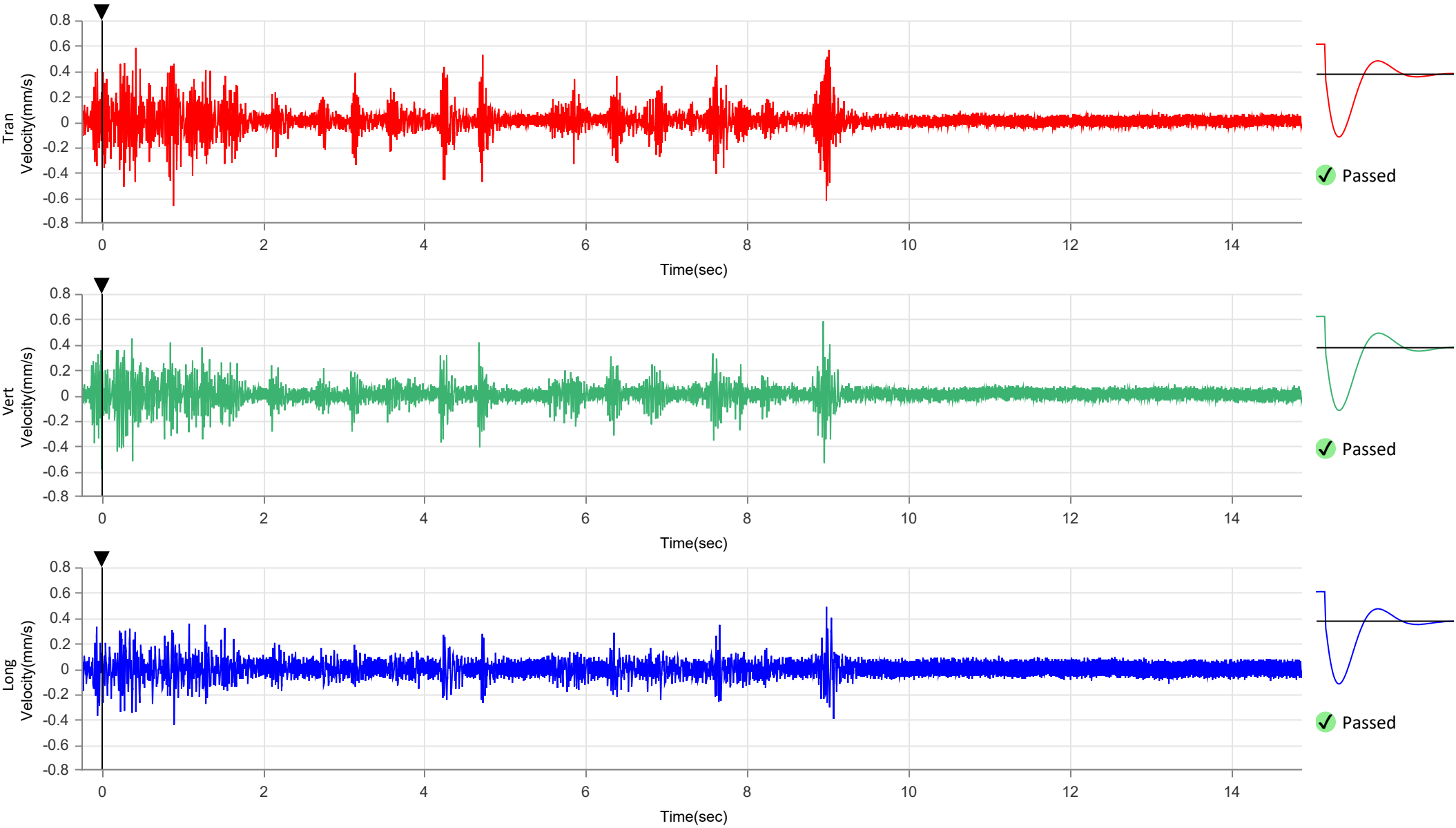
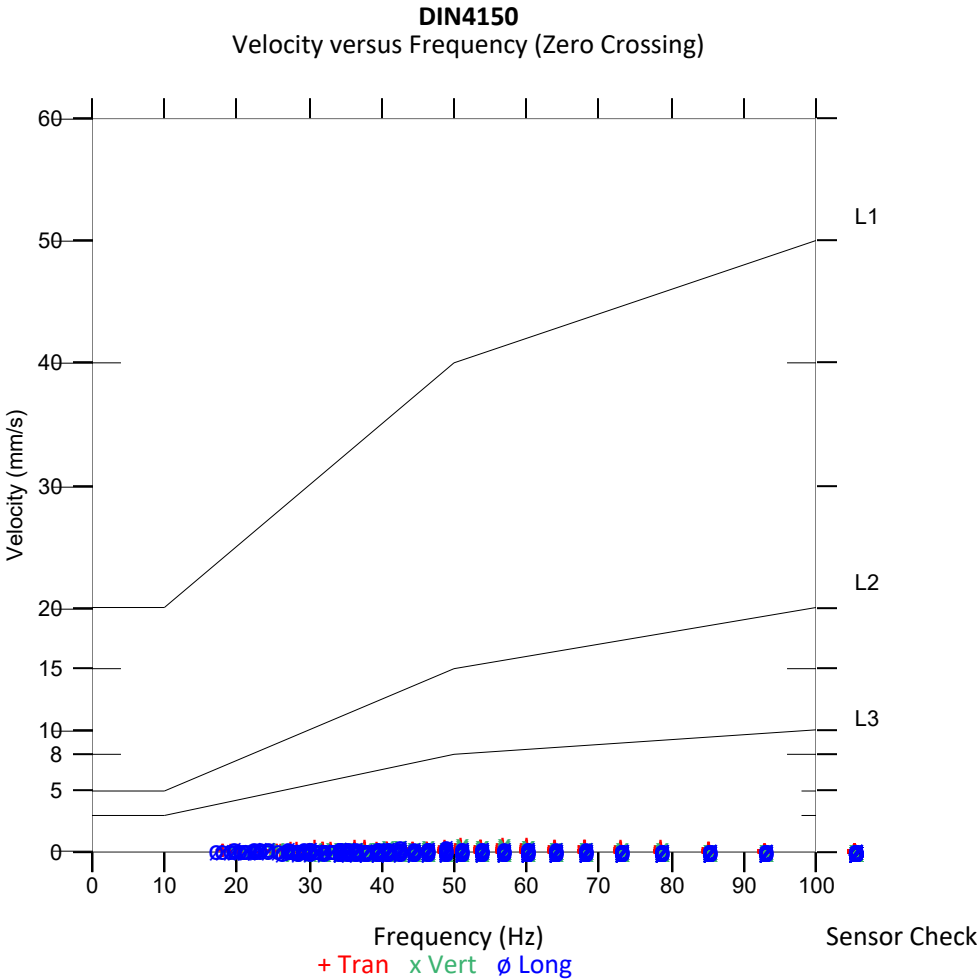
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20788
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20788_20221028115832.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.662 mm/s	0.583 mm/s	0.489 mm/s
Zero Crossing Frequency	60.2 Hz	60.2 Hz	46.5 Hz
Time (Relative to Trigger)	0.891 sec	0.001 sec	8.983 sec
Peak Acceleration	0.033 g	0.028 g	0.023 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	5.0
Peak Vector Sum	0.751 mm/s at 8.981 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:04
Geo 0.500 mm/s
0.25 sec/14.4 sec (Auto)
2048 sps
factory.MMB
Operator

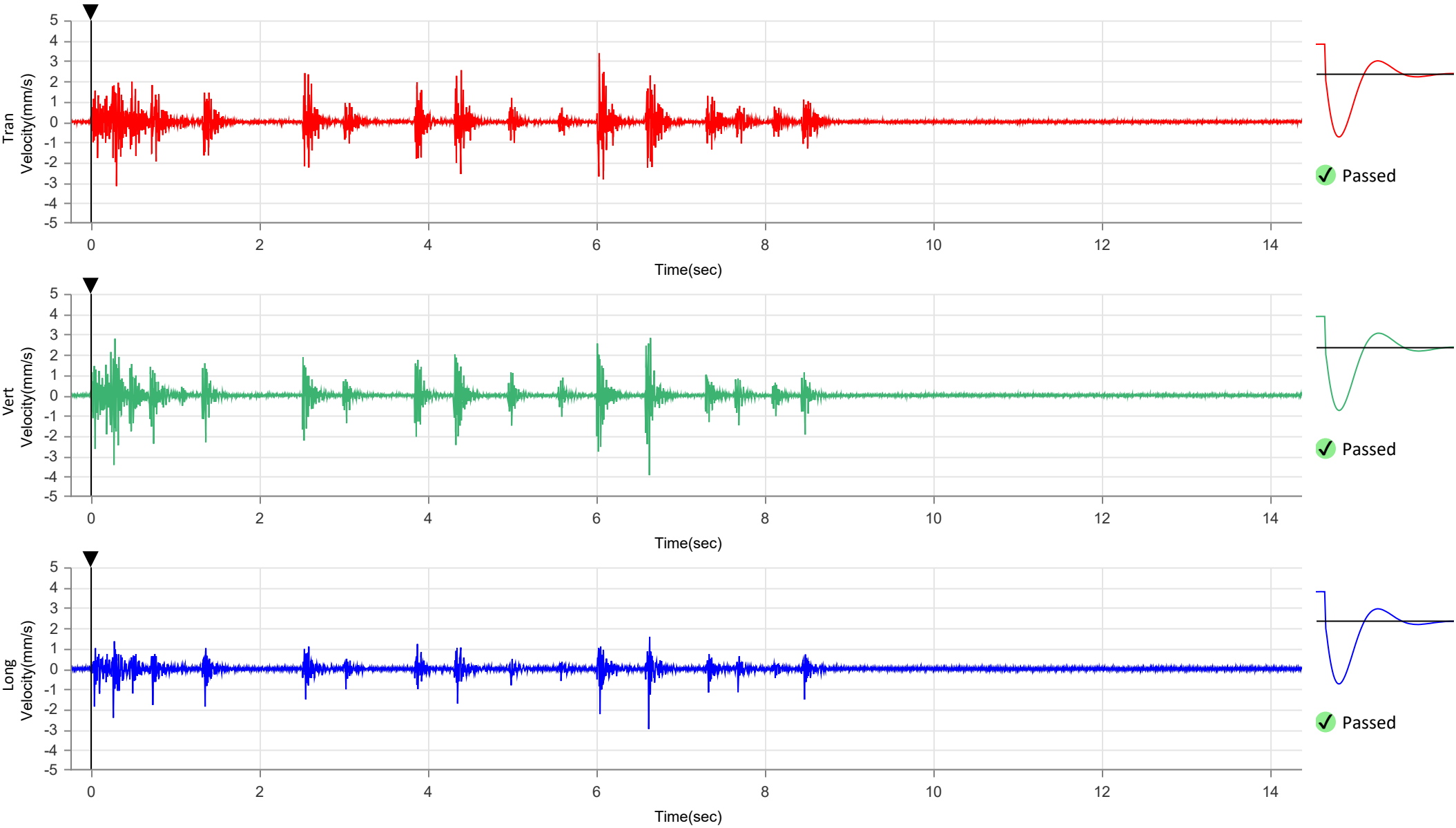
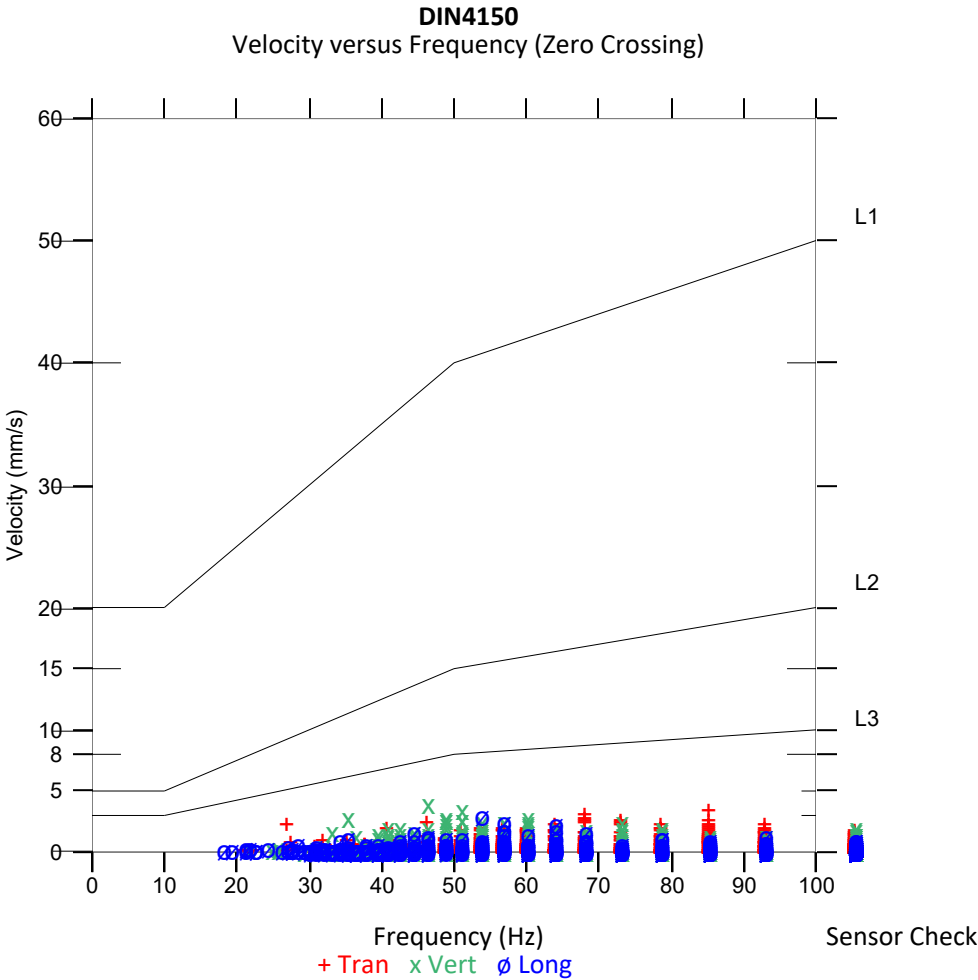
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20788
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20788_20221028163104.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	3.389 mm/s	3.933 mm/s	2.964 mm/s
Zero Crossing Frequency	85.3 Hz	46.5 Hz	53.9 Hz
Time (Relative to Trigger)	6.028 sec	6.623 sec	6.615 sec
Peak Acceleration	0.271 g	0.206 g	0.105 g
Peak Displacement	0.010 mm	0.012 mm	0.008 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	5.0
Peak Vector Sum	4.433 mm/s at 6.623 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 29, 2022 09:43:41
Geo 0.500 mm/s
0.25 sec/8.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20788
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20788_20221029094341.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-15, Plavje 46

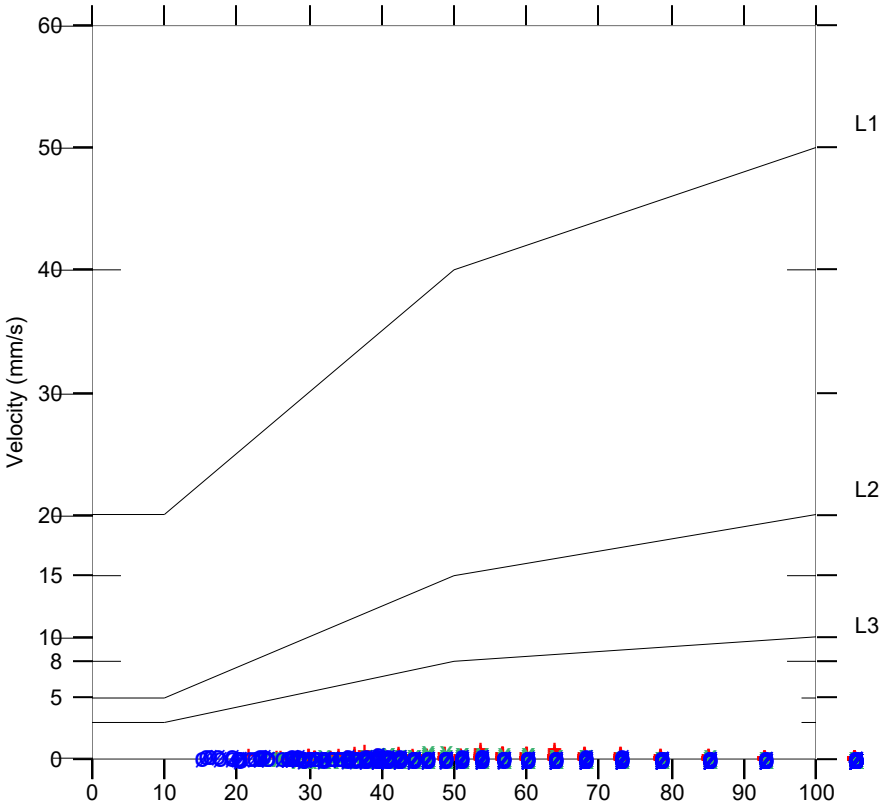
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

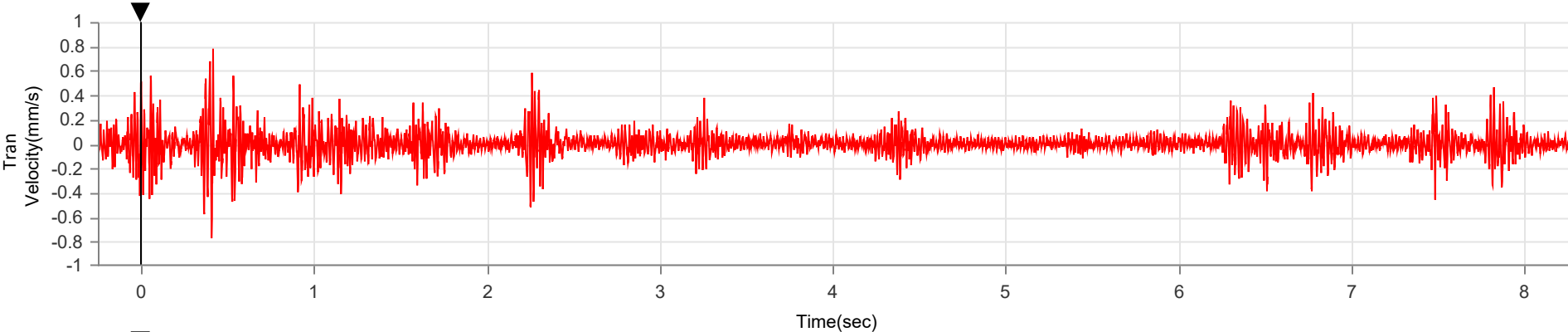
Tran	Vert	Long
0.780 mm/s	0.709 mm/s	0.457 mm/s
60.2 Hz	46.5 Hz	39.4 Hz
0.417 sec	0.376 sec	0.409 sec
0.035 g	0.028 g	0.020 g
0.002 mm	0.003 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.9 Hz	7.9 Hz	7.9 Hz
4.7	4.3	5.1

Peak Vector Sum 0.902 mm/s at 0.409 sec

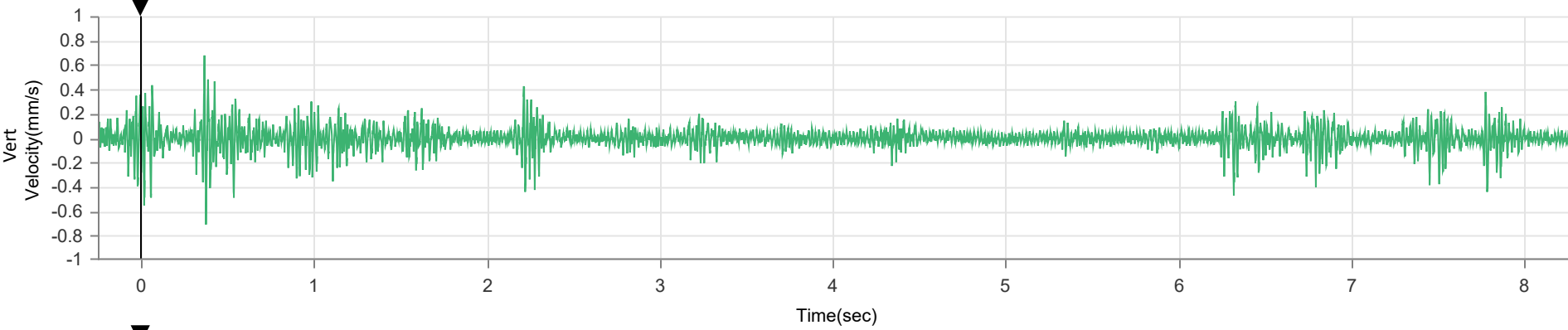
DIN4150
Velocity versus Frequency (Zero Crossing)



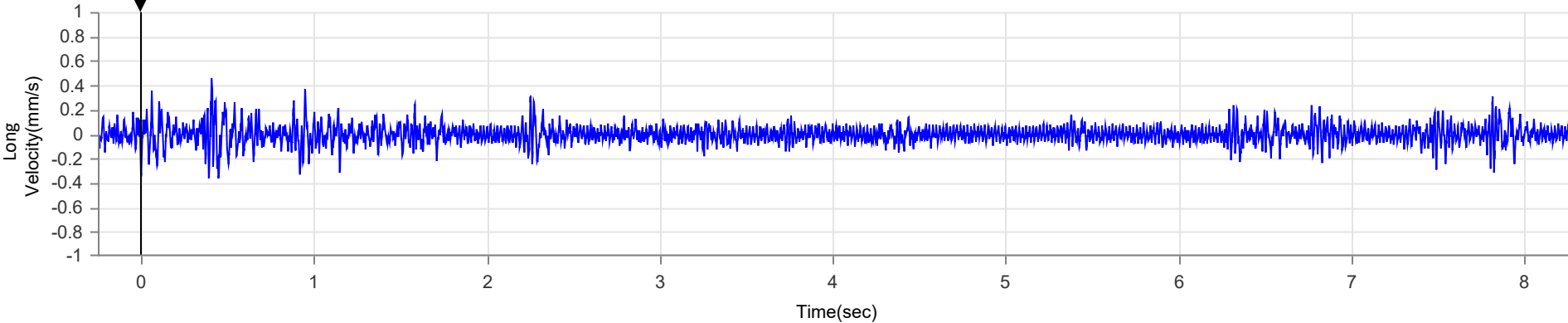
Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 29, 2022 12:16:59
Geo 0.500 mm/s
0.25 sec/15.1 sec (Auto)
2048 sps
factory.mmb
Operator

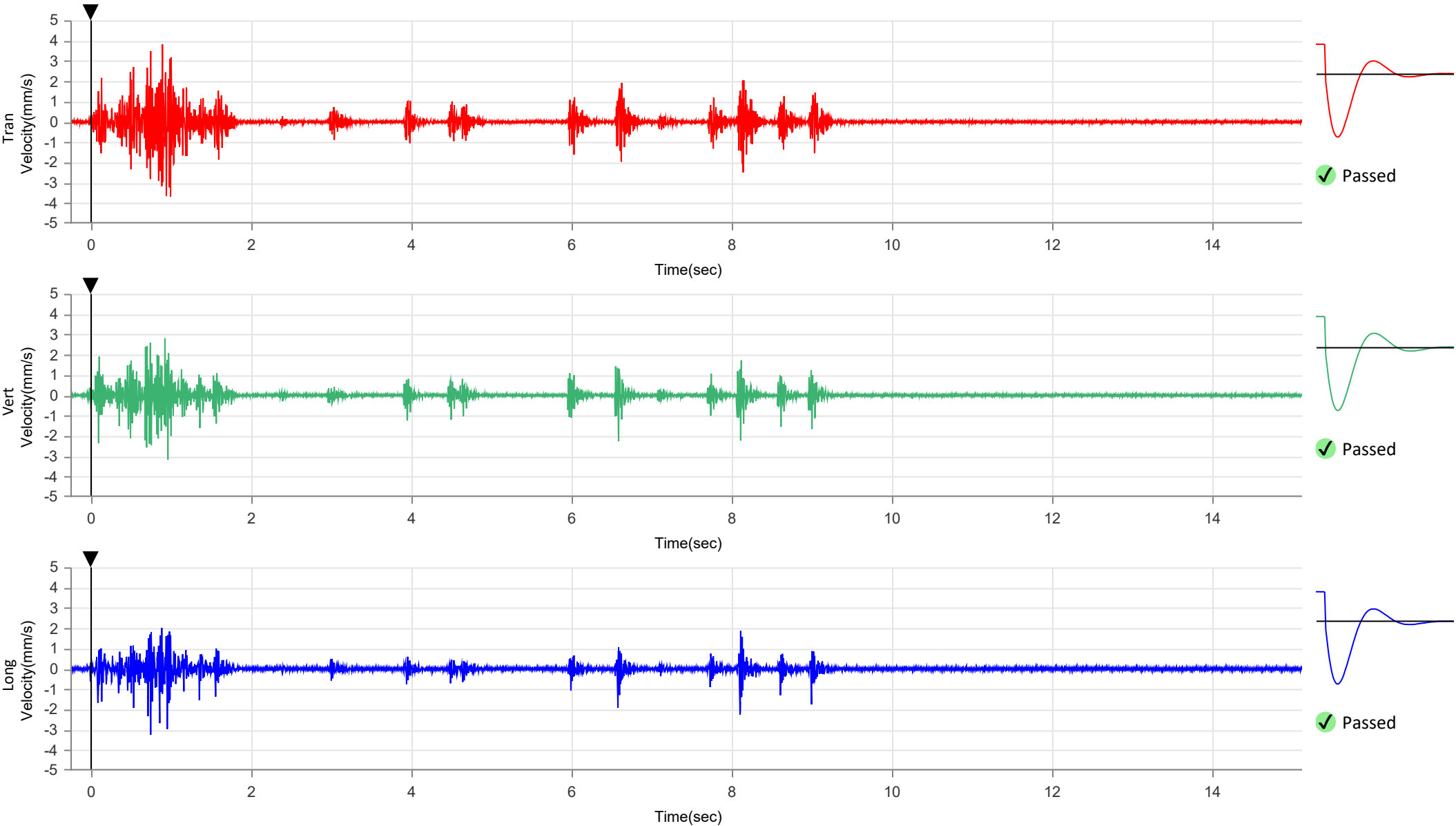
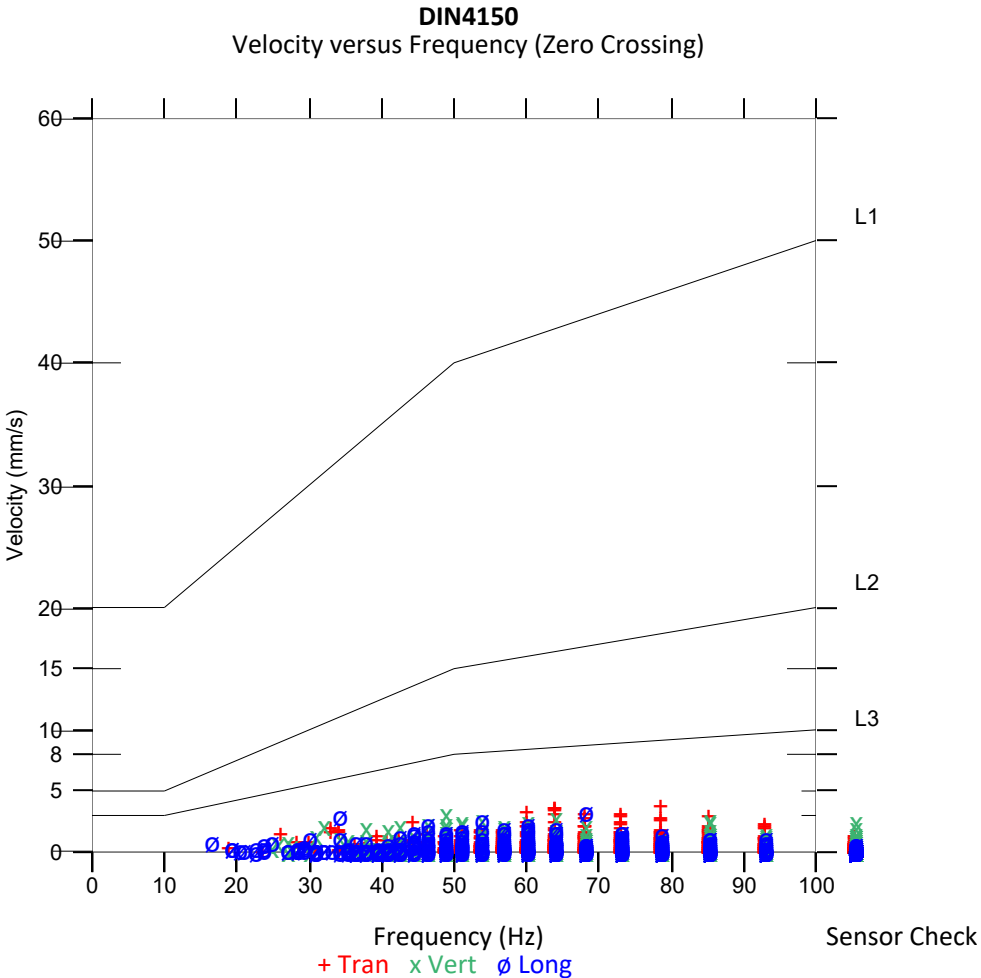
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20788
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20788_20221029121659.IDFW
Disabled

Notes
Location MM-15, Plavje 46
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	3.815 mm/s	3.161 mm/s	3.239 mm/s
Zero Crossing Frequency	78.8 Hz	48.8 Hz	68.3 Hz
Time (Relative to Trigger)	0.899 sec	0.967 sec	0.753 sec
Peak Acceleration	0.298 g	0.281 g	0.165 g
Peak Displacement	0.009 mm	0.009 mm	0.009 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.9 Hz	7.9 Hz	7.9 Hz
Overswing Ratio	4.7	4.3	5.1
Peak Vector Sum	4.747 mm/s at 0.753 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:34
Geo 0.500 mm/s
0.25 sec/10.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20788
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20788_20221030095434.IDFW
Disabled

Notes
Location
Client
Company
General Notes

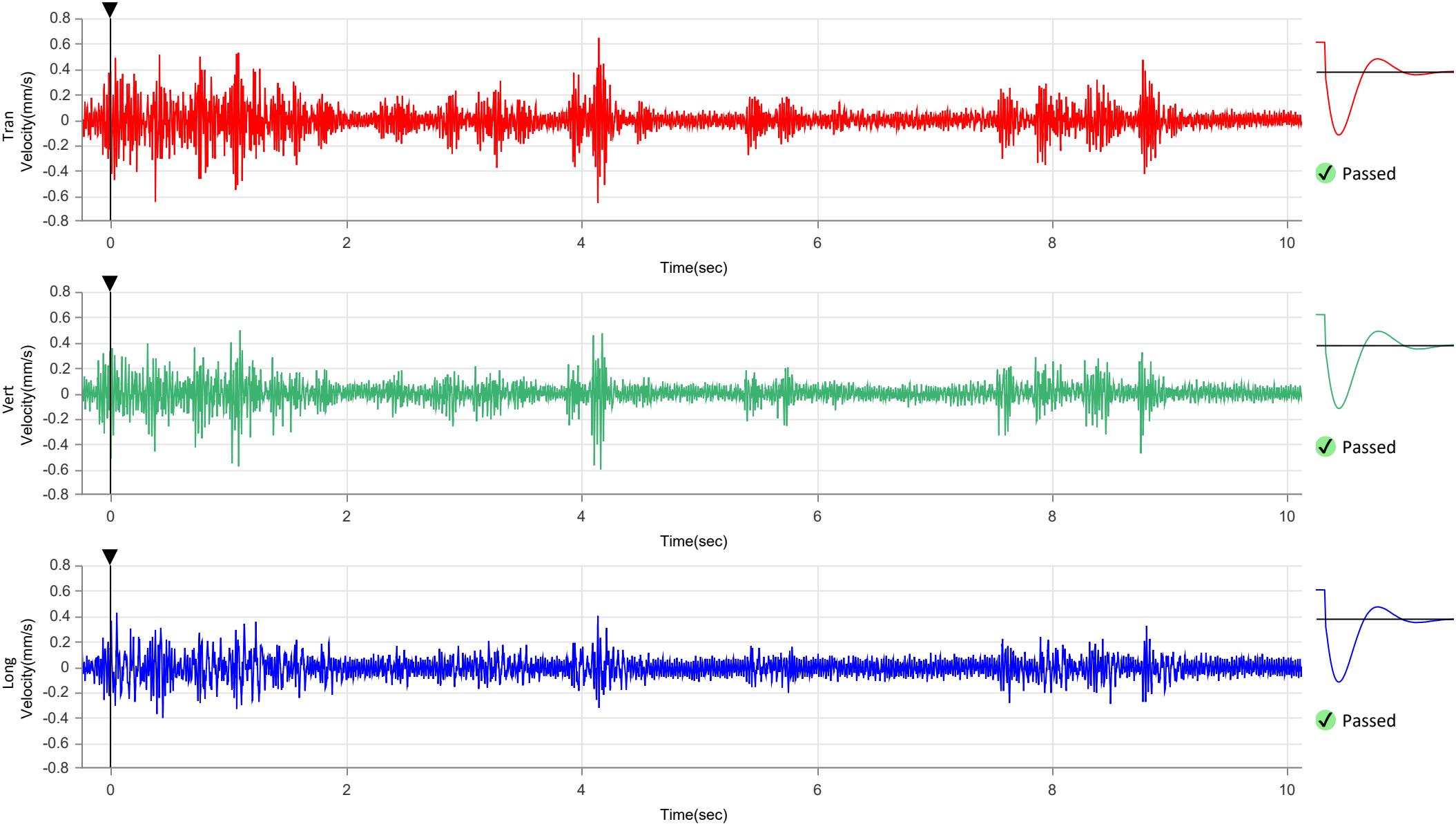
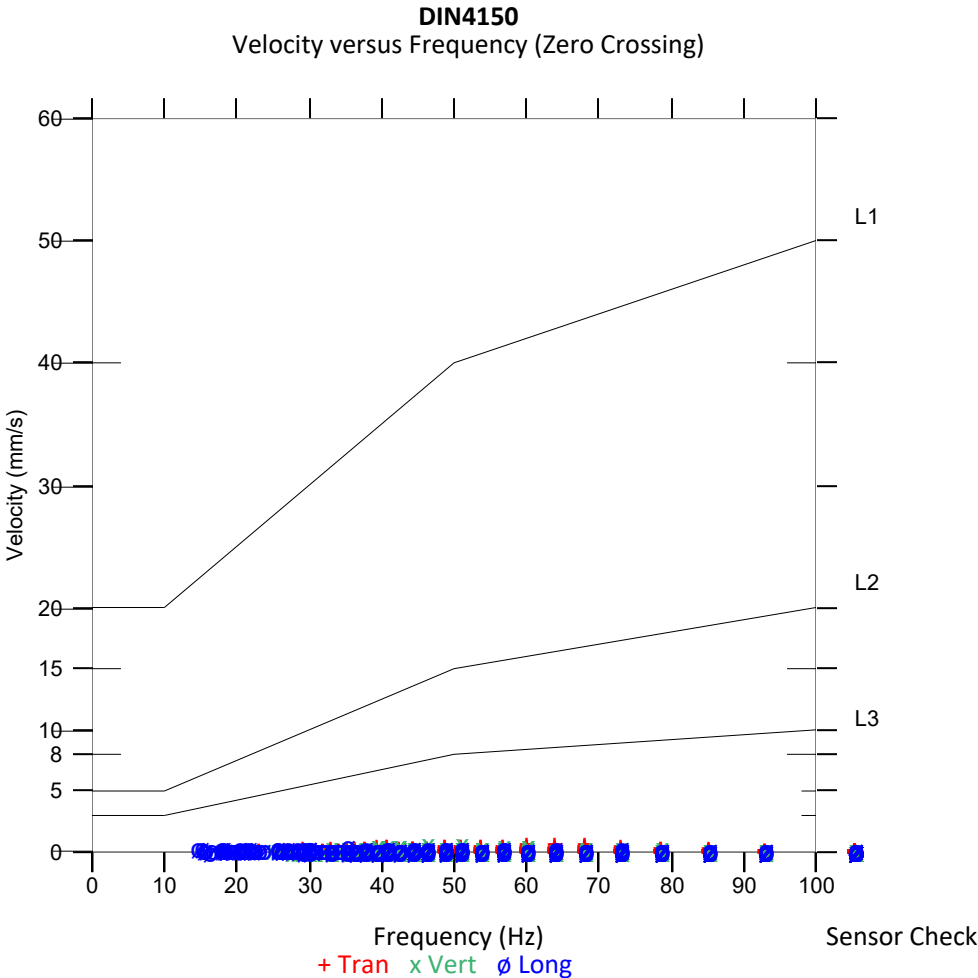
MM-15, Plavje 46

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.654 mm/s	0.599 mm/s	0.426 mm/s
60.2 Hz	46.5 Hz	35.3 Hz
4.140 sec	4.165 sec	0.051 sec
0.031 g	0.026 g	0.020 g
0.002 mm	0.002 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.3 Hz
4.7	4.3	5.0

Peak Vector Sum 0.785 mm/s at 1.085 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:56
Geo 0.500 mm/s
0.25 sec/13.6 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20788
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20788_20221030112956.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-15, Plavje 46

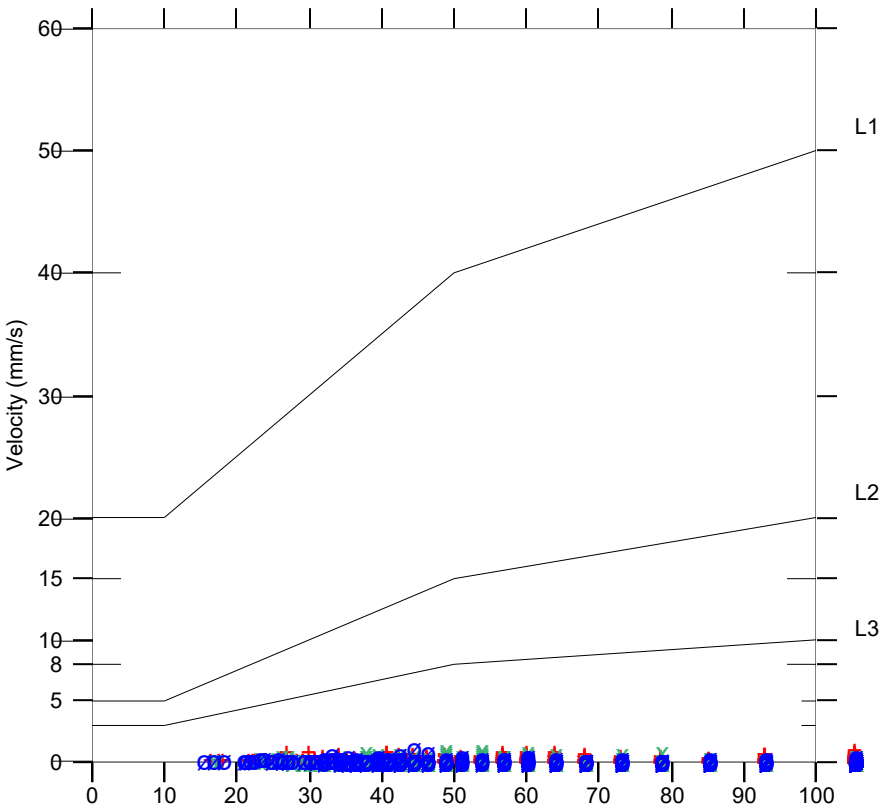
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.930 mm/s	0.954 mm/s	1.096 mm/s
>100 Hz	48.8 Hz	46.5 Hz
4.468 sec	4.526 sec	4.495 sec
0.064 g	0.051 g	0.036 g
0.003 mm	0.004 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.3 Hz
4.7	4.3	5.0

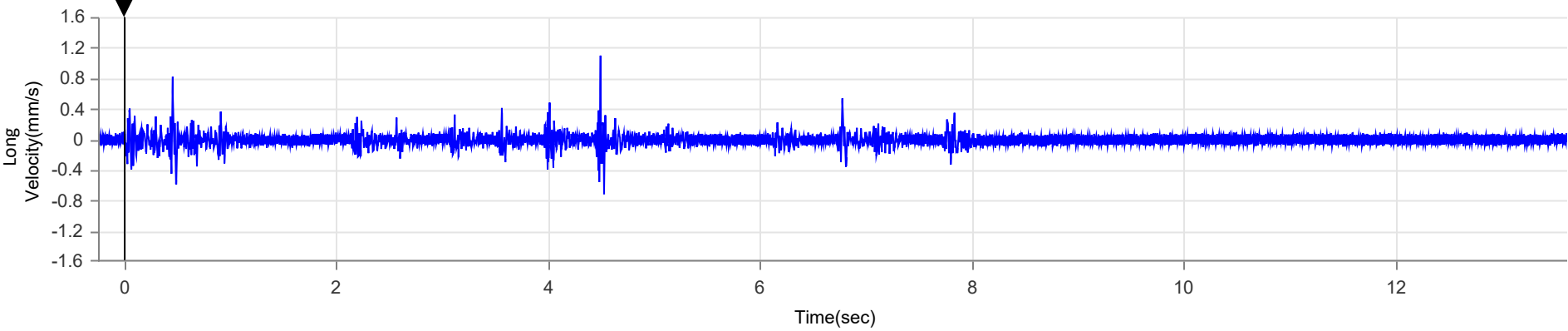
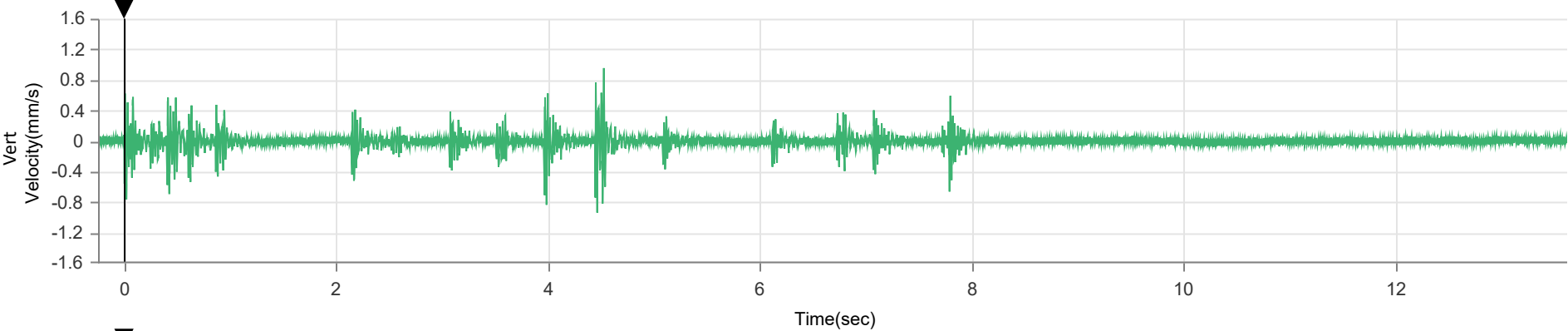
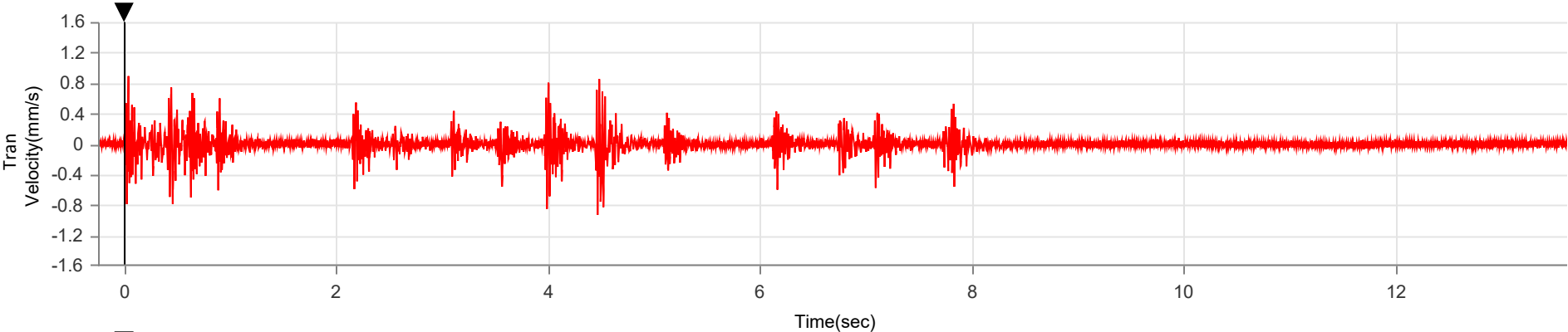
Peak Vector Sum 1.331 mm/s at 4.495 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long

Sensor Check



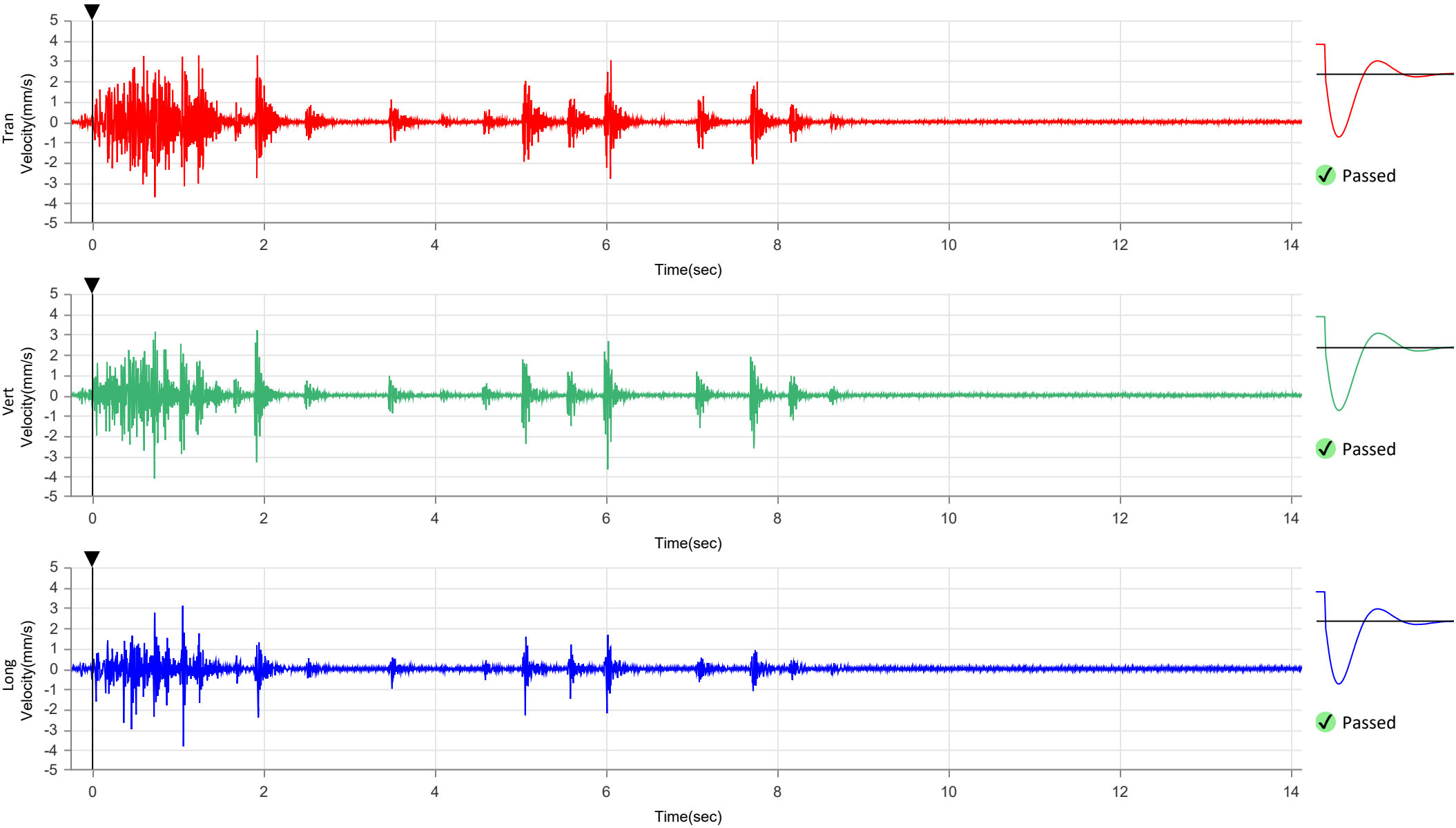
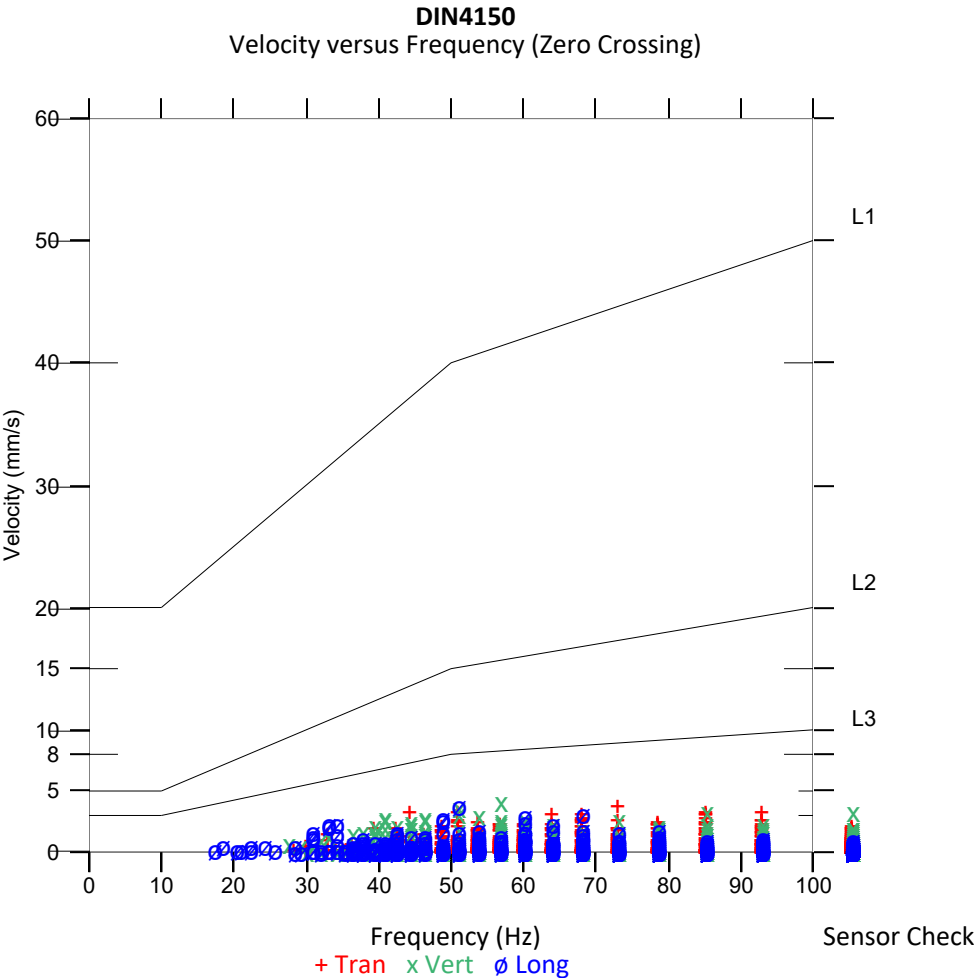


Waveform Trigger Source	Long at October 30, 2022 14:19:08	Serial Number	UM20788
Trigger Level(s)	Geo 0.500 mm/s	Model Number	Micromate DIN 10.90GC
Pre-Trigger/Record Time	0.25 sec/14.1 sec (Auto)	Battery Level	3.8 volts
Sample Rate	2048 sps	Unit Calibration	October 12, 2022 by Instantel
Setup File Name	factory.mmb	Event File Name	UM20788_20221030141908.IDFW
Operator	Operator	USB Sensor Support	Disabled

Notes	
Location	MM-15, Plavje 46
Client	
Company	
General Notes	

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	3.704 mm/s	4.099 mm/s	3.815 mm/s
Zero Crossing Frequency	73.1 Hz	56.9 Hz	51.2 Hz
Time (Relative to Trigger)	0.737 sec	0.732 sec	1.069 sec
Peak Acceleration	0.359 g	0.370 g	0.140 g
Peak Displacement	0.010 mm	0.011 mm	0.011 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.7	4.3	5.0
Peak Vector Sum	4.832 mm/s at 0.737 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:44
Geo 0.500 mm/s
0.25 sec/14.9 sec (Auto)
2048 sps
factory.mmb
Operator

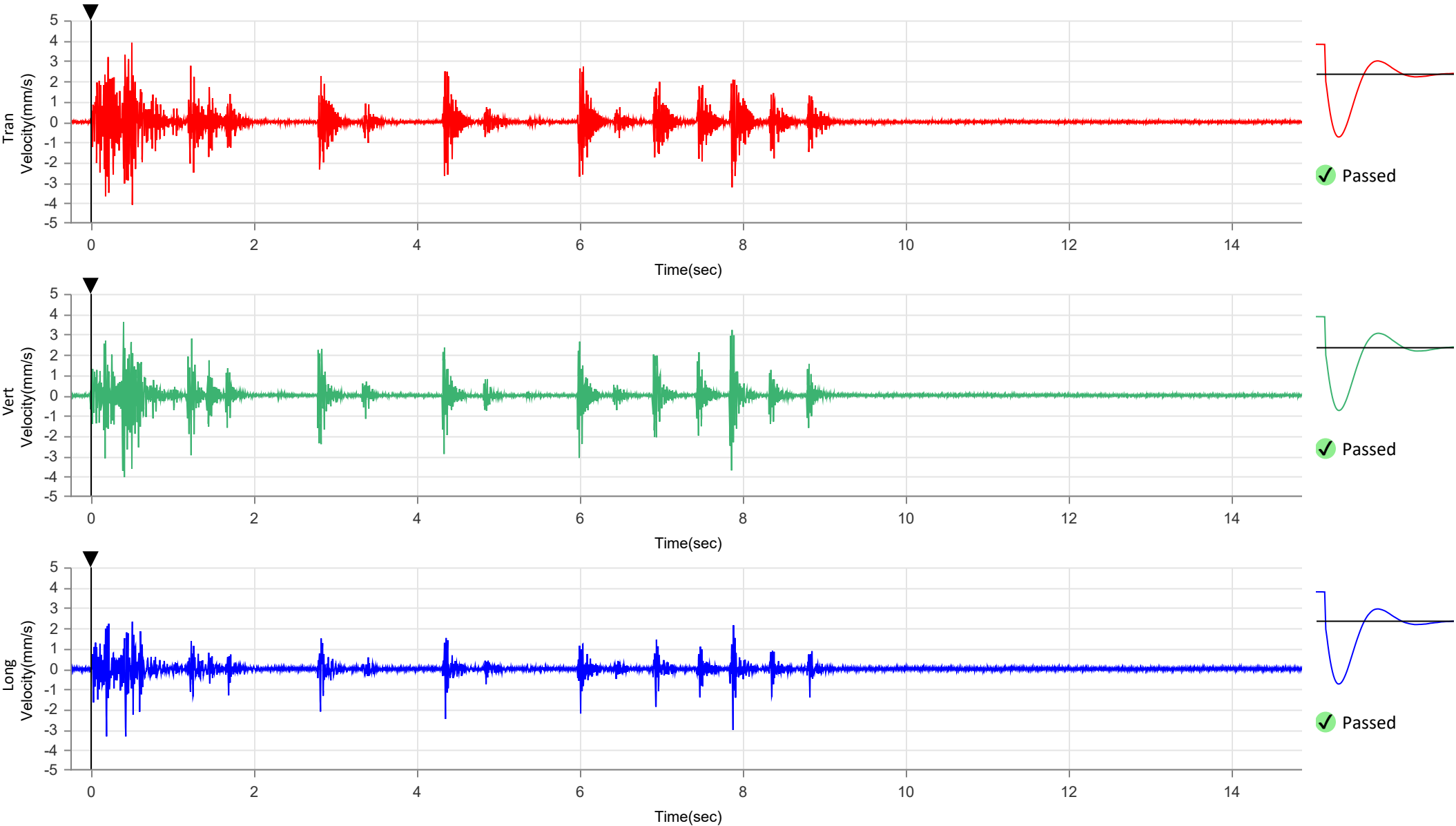
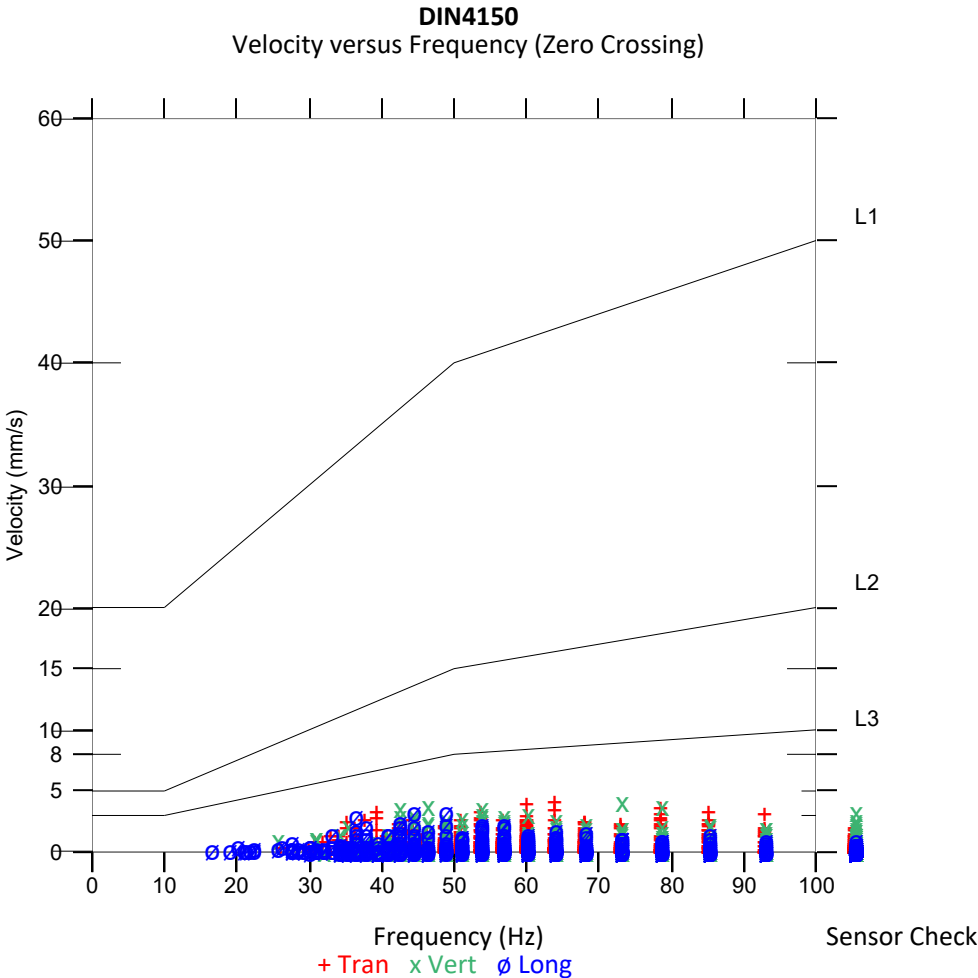
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20788
Micromate DIN 10.90GC
3.8 volts
October 12, 2022 by Instantel
UM20788_20221031130444.IDFW
Disabled

Notes
Location MM-15, Plavje 46
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	4.083 mm/s	4.028 mm/s	3.326 mm/s
Zero Crossing Frequency	64.0 Hz	73.1 Hz	44.5 Hz
Time (Relative to Trigger)	0.511 sec	0.412 sec	0.194 sec
Peak Acceleration	0.295 g	0.304 g	0.143 g
Peak Displacement	0.011 mm	0.012 mm	0.011 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.7	4.3	5.0
Peak Vector Sum	5.258 mm/s at 0.505 sec		



PRILOGA 1.6:
Rezultati meritev

- MM-16 (Plavje 47a) –



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 11:58:32
Geo 0.500 mm/s
0.25 sec/16.5 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221028115832.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-11, Plavje 38a

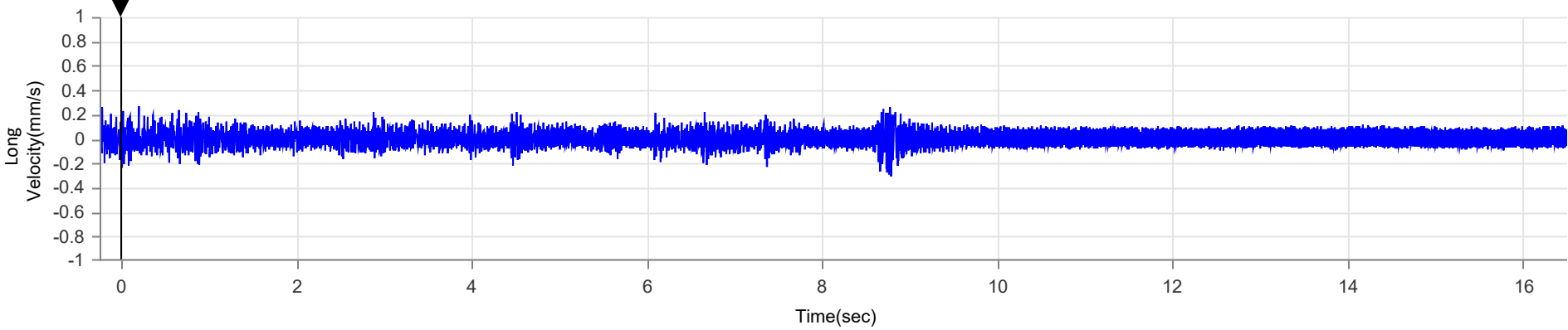
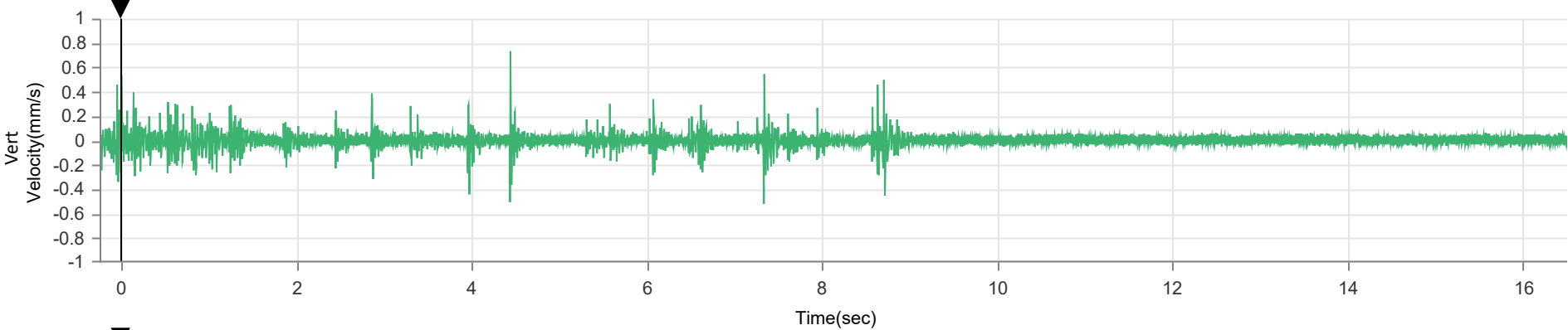
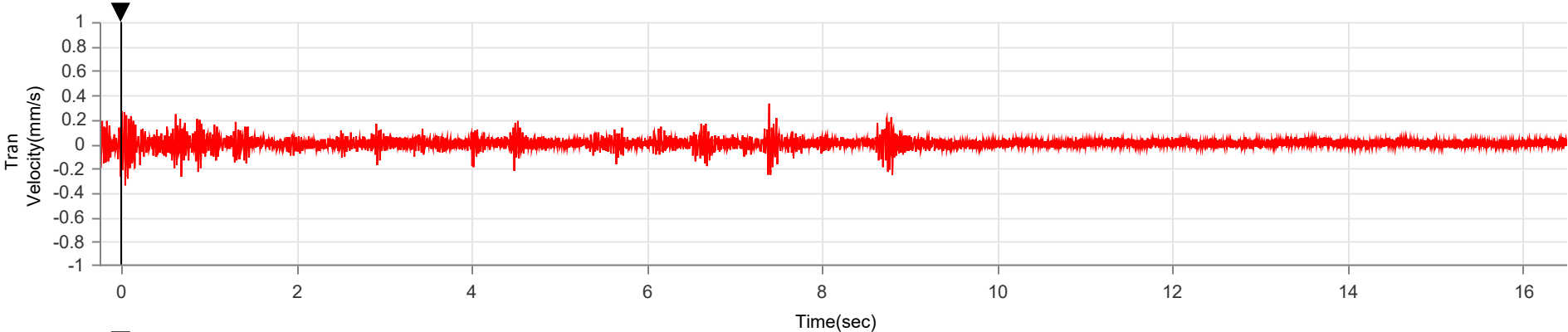
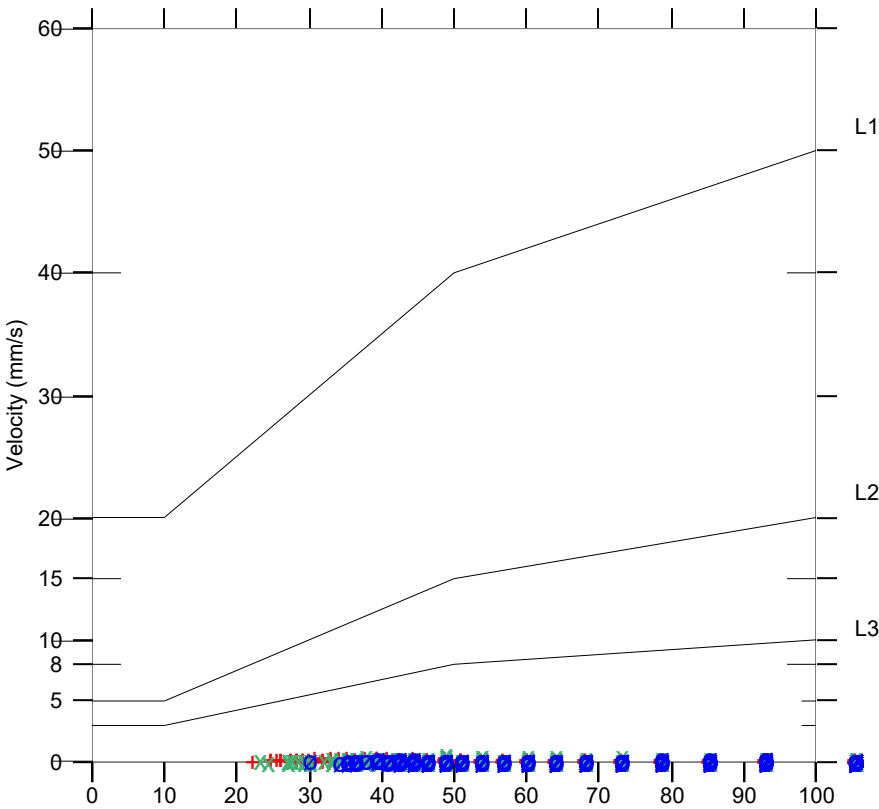
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.339 mm/s	0.733 mm/s	0.307 mm/s
44.5 Hz	48.8 Hz	39.4 Hz
0.044 sec	4.440 sec	8.786 sec
0.015 g	0.046 g	0.021 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.5 Hz	7.3 Hz	7.5 Hz
4.7	4.8	4.2

Peak Vector Sum 0.745 mm/s at 4.440 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:03
Geo 0.500 mm/s
0.25 sec/16.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221028163103.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-11, Plavje 38a

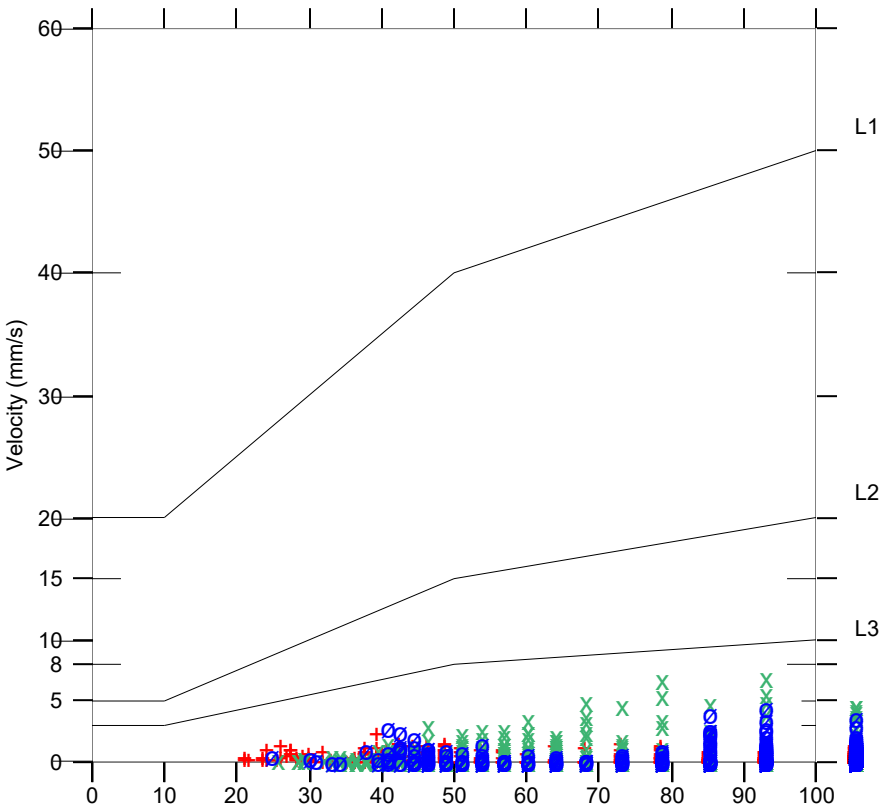
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
2.231 mm/s	6.920 mm/s	4.461 mm/s
39.4 Hz	93.1 Hz	93.1 Hz
6.612 sec	6.586 sec	6.036 sec
0.092 g	0.540 g	0.253 g
0.007 mm	0.013 mm	0.008 mm
✓ Passed	✓ Passed	✓ Passed
7.5 Hz	7.3 Hz	7.5 Hz
4.7	4.8	4.2

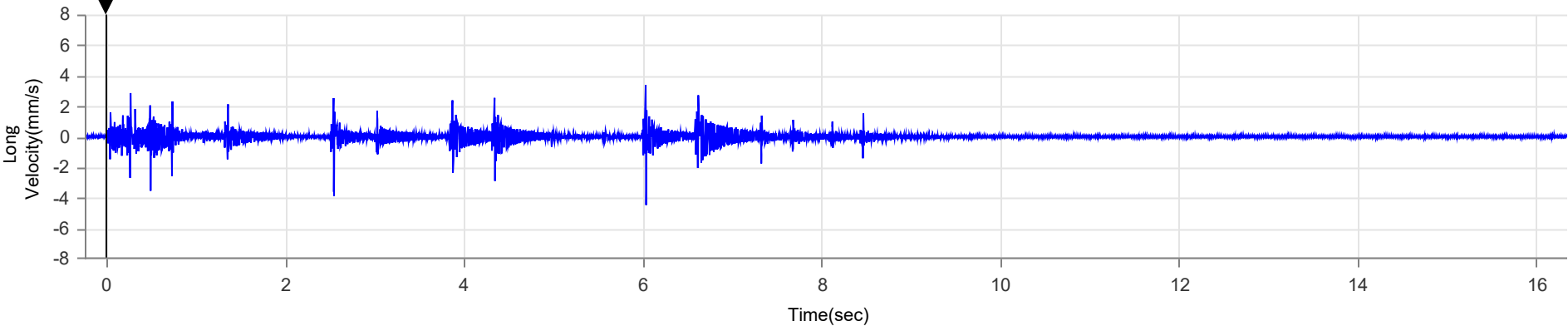
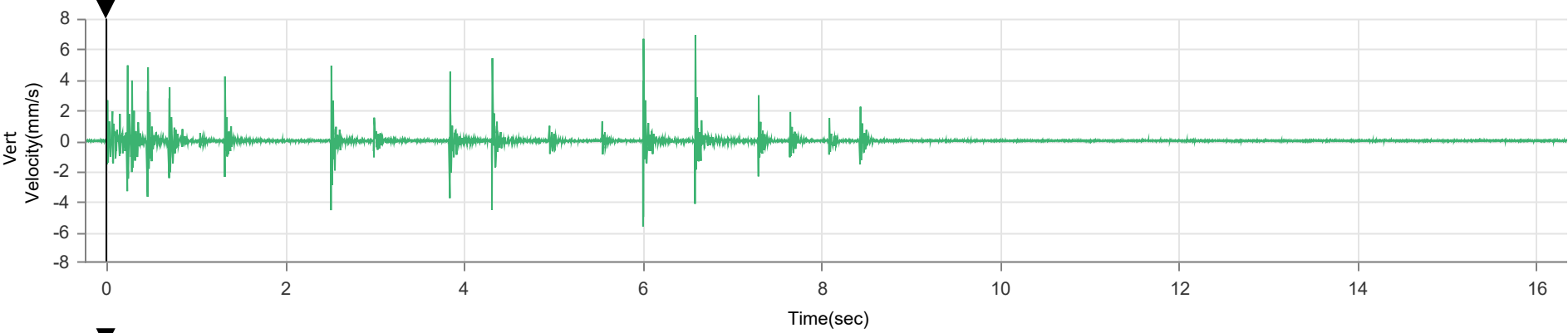
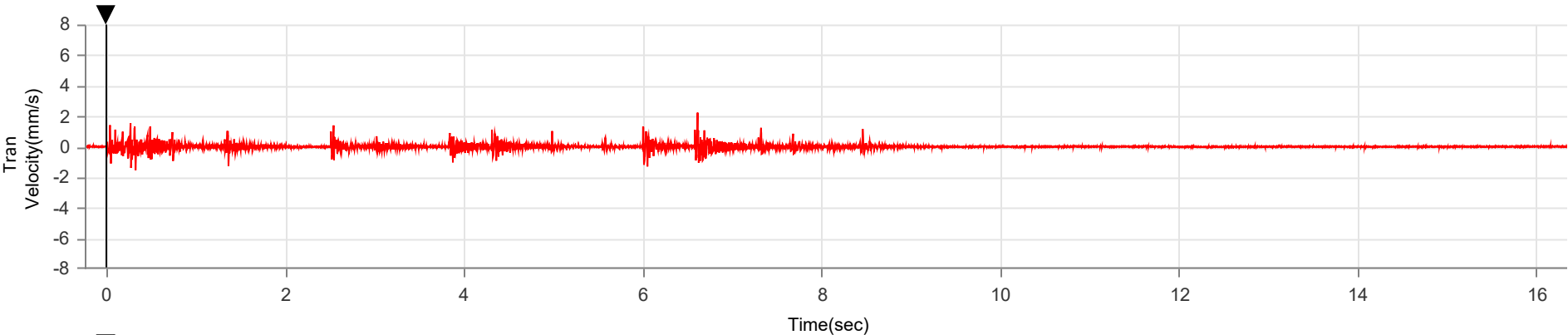
Peak Vector Sum 7.021 mm/s at 6.586 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert o Long

Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 09:43:42
Geo 0.500 mm/s
0.25 sec/15.8 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221029094342.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-16, Plavje 47a

Post Event Notes No text to be displayed.

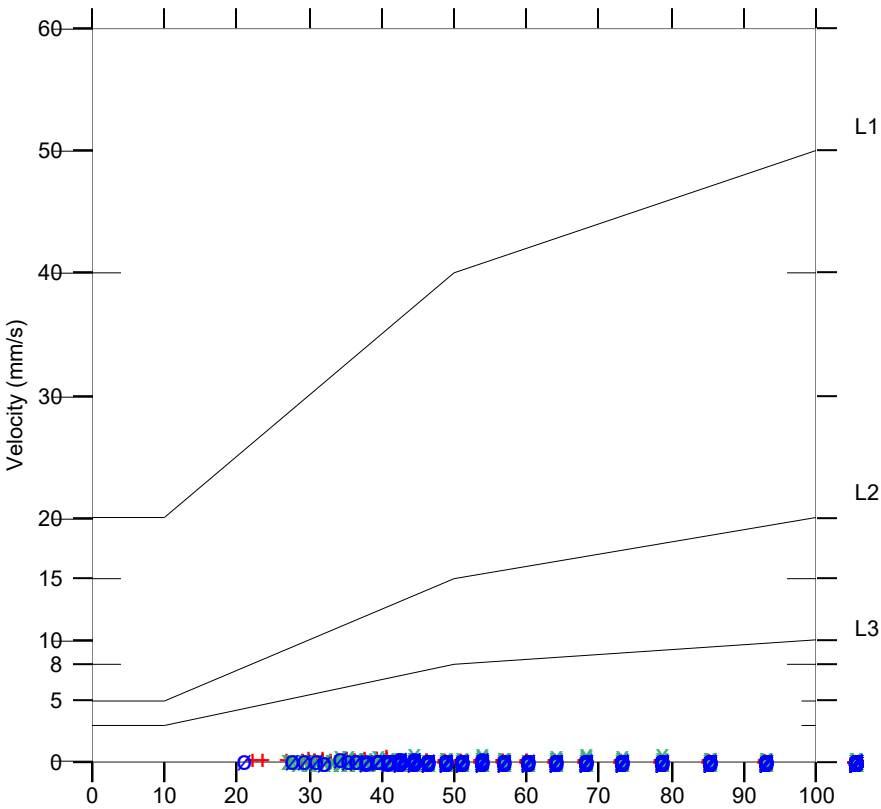
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.481 mm/s	0.615 mm/s	0.339 mm/s
41.0 Hz	44.5 Hz	42.7 Hz
0.490 sec	2.262 sec	0.540 sec
0.015 g	0.039 g	0.016 g
0.002 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.1 Hz	7.5 Hz
4.7	4.7	4.2

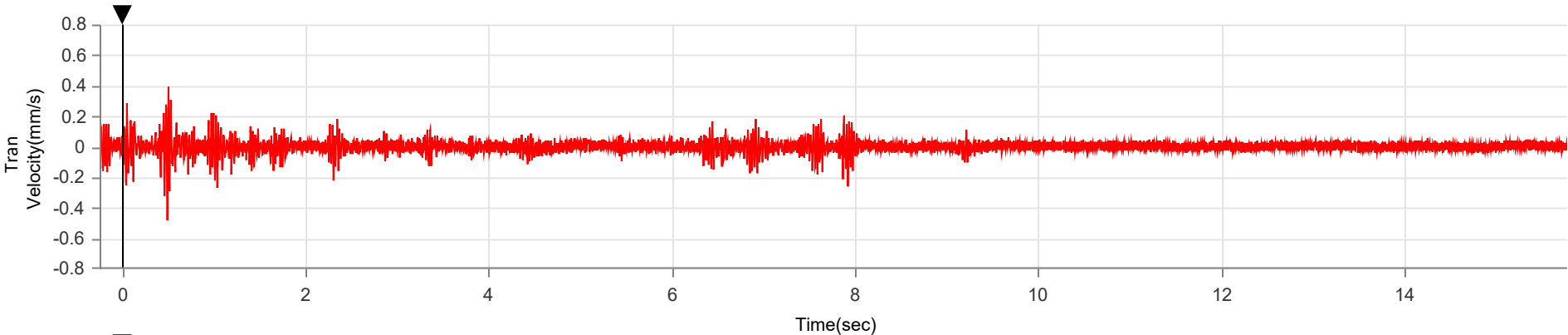
Peak Vector Sum 0.643 mm/s at 2.262 sec

DIN4150
Velocity versus Frequency (Zero Crossing)

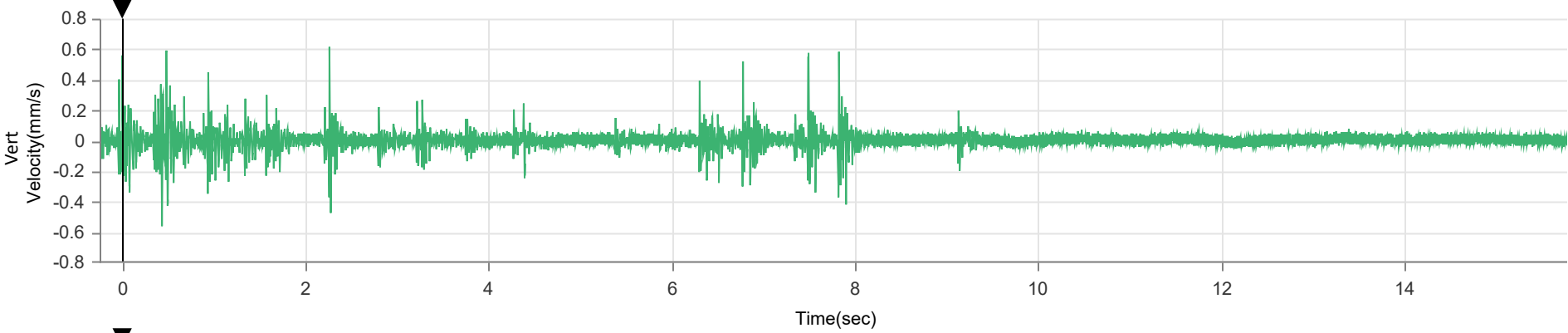


Sensor Check

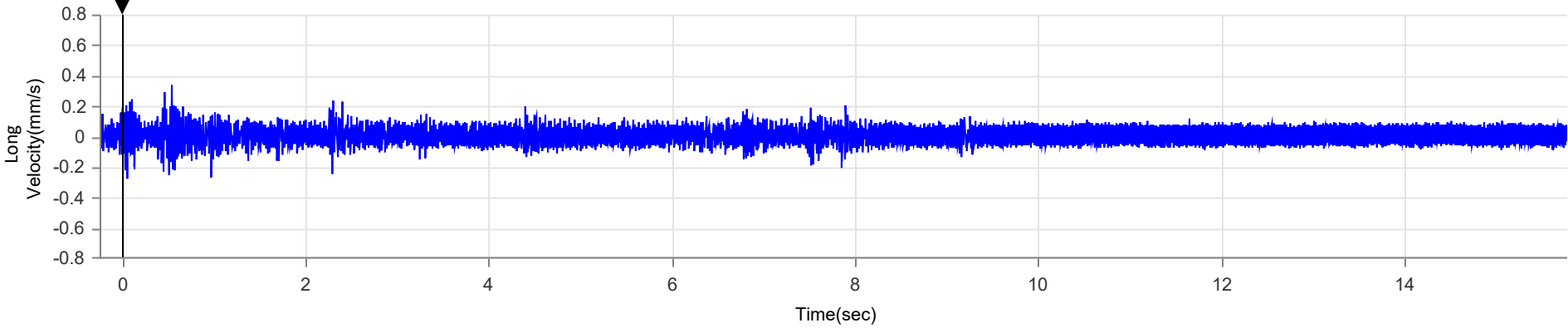
Frequency (Hz)
+ Tran x Vert ø Long



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 29, 2022 12:17:00
Geo 0.500 mm/s
0.25 sec/17.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

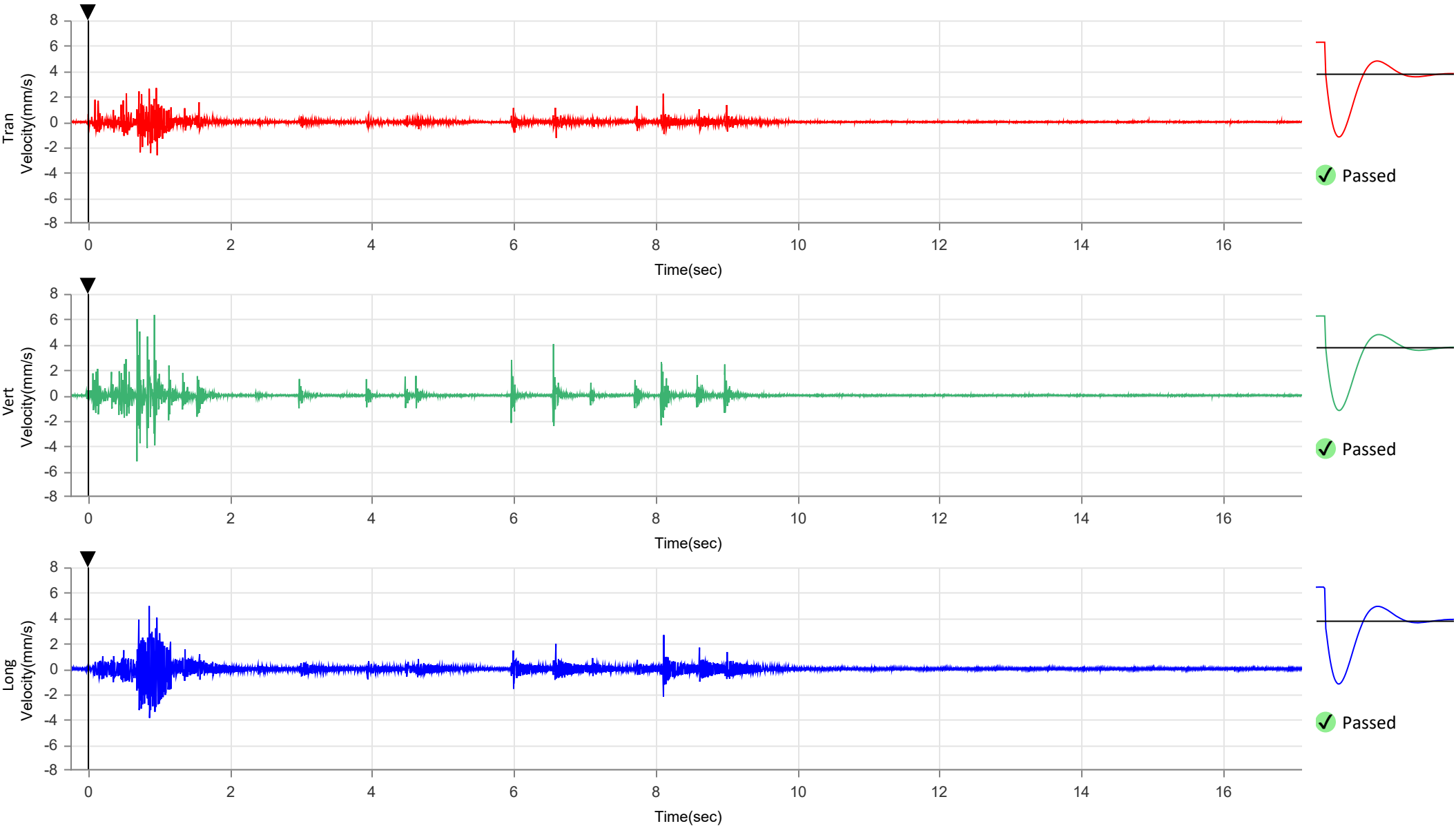
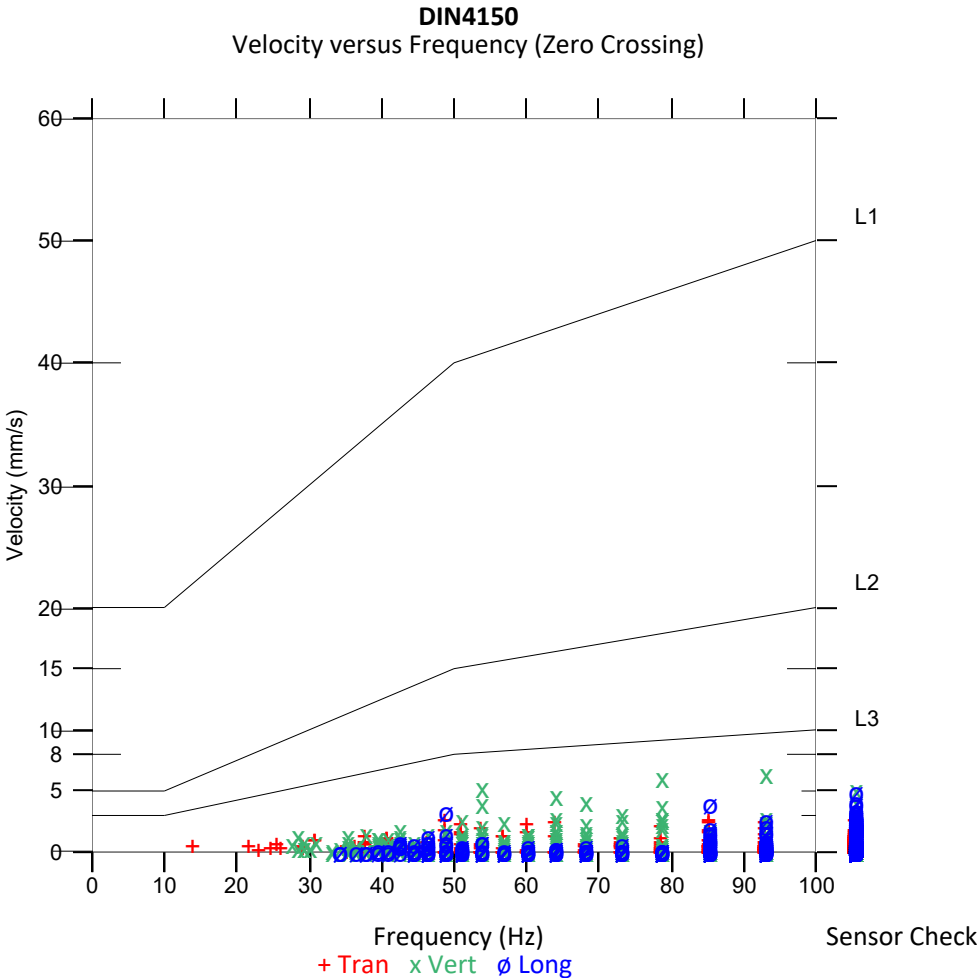
UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221029121700.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-16, Plavje 47a

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.672 mm/s	6.345 mm/s	4.950 mm/s
Zero Crossing Frequency	85.3 Hz	93.1 Hz	>100 Hz
Time (Relative to Trigger)	0.962 sec	0.936 sec	0.862 sec
Peak Acceleration	0.171 g	0.540 g	0.316 g
Peak Displacement	0.006 mm	0.011 mm	0.009 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.1 Hz	7.5 Hz
Overswing Ratio	4.7	4.7	4.2
Peak Vector Sum	6.579 mm/s at 0.936 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:34
Geo 0.500 mm/s
0.25 sec/15.9 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221030095434.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-16, Plavje 47a

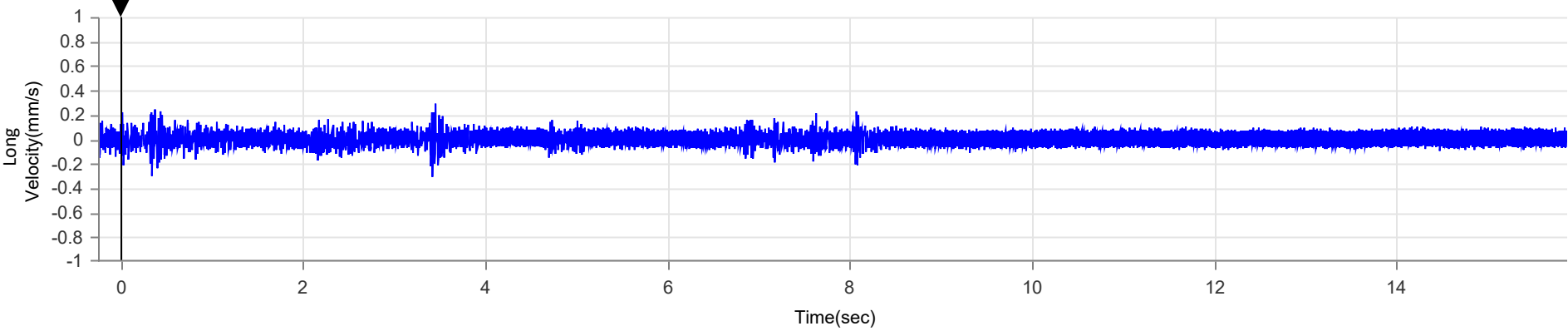
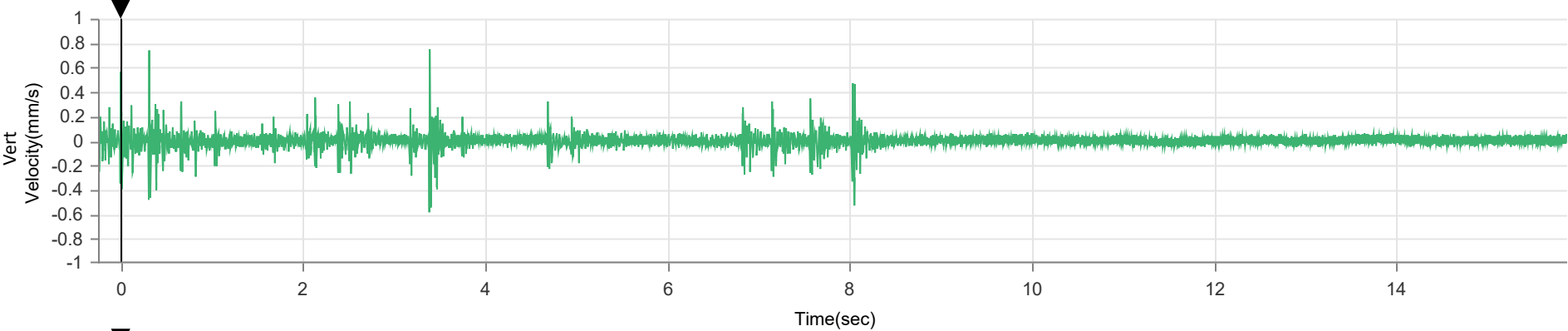
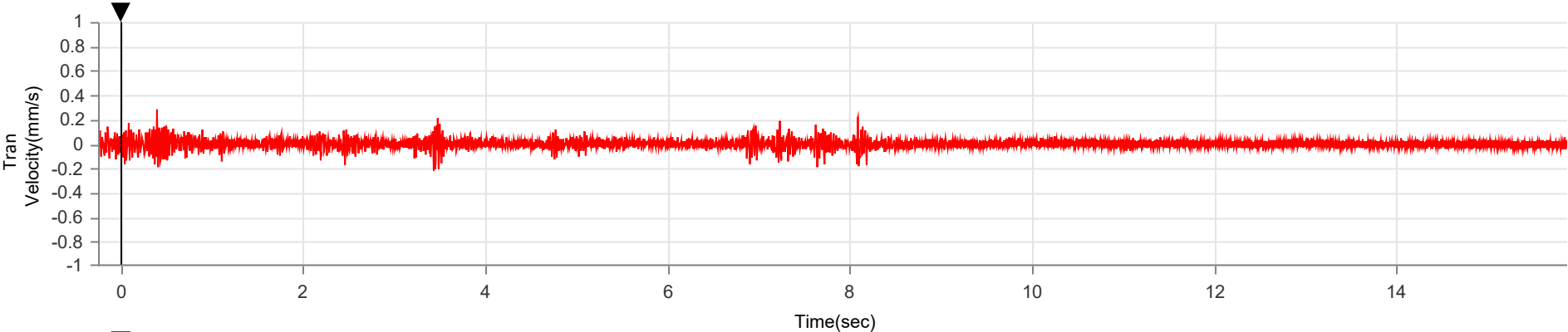
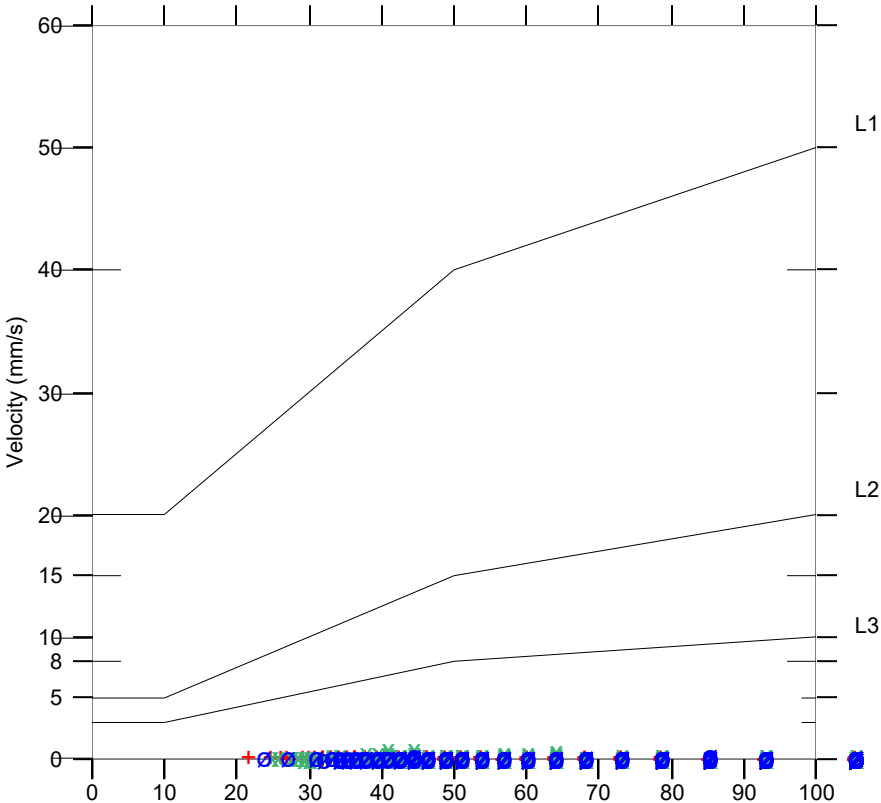
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.284 mm/s	0.749 mm/s	0.307 mm/s
48.8 Hz	42.7 Hz	85.3 Hz
0.398 sec	3.391 sec	3.421 sec
0.016 g	0.051 g	0.023 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.7	4.7	4.2

Peak Vector Sum 0.763 mm/s at 3.391 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:56
Geo 0.500 mm/s
0.25 sec/15.6 sec (Auto)
2048 sps
factory.mmb
Operator

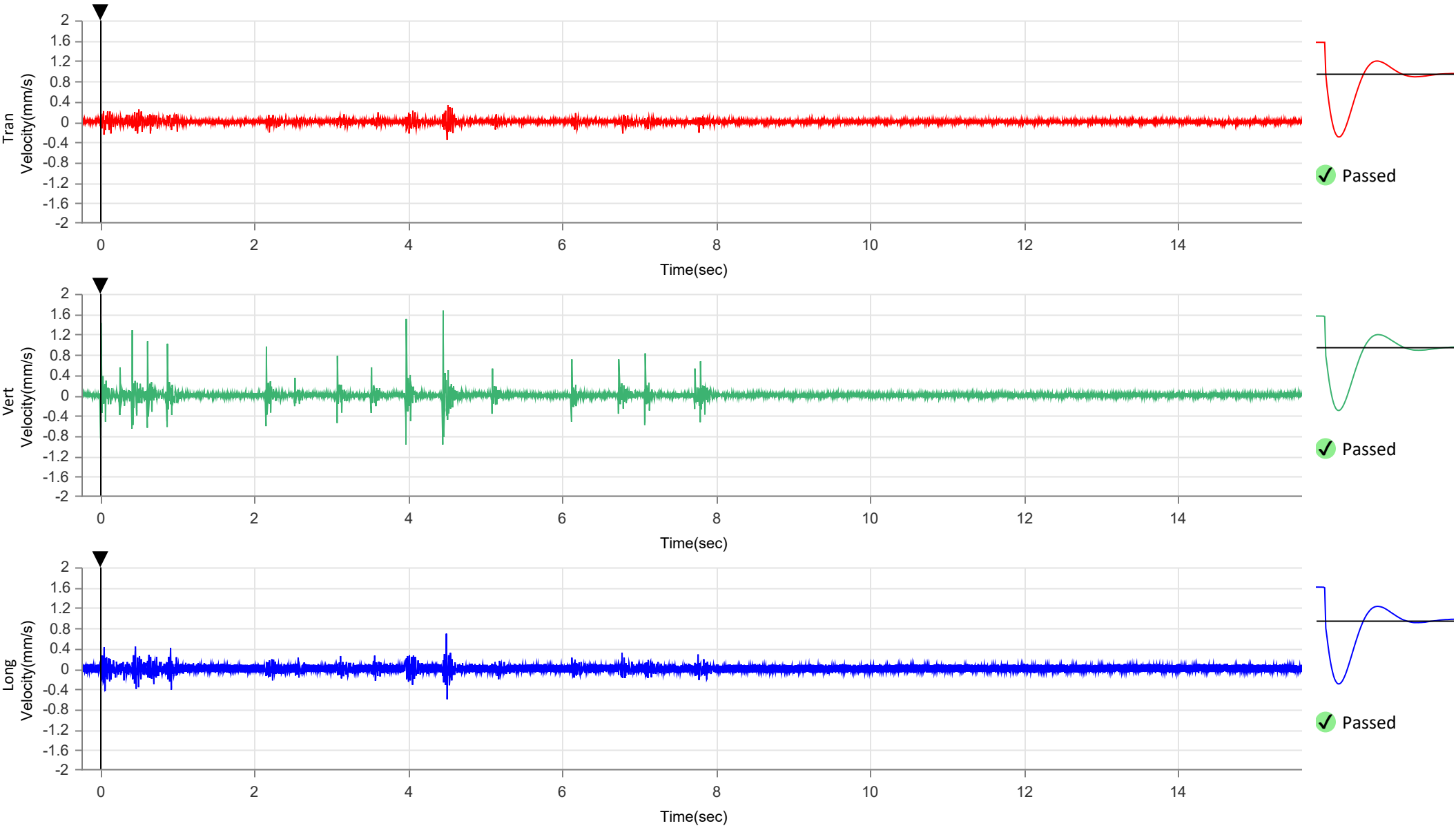
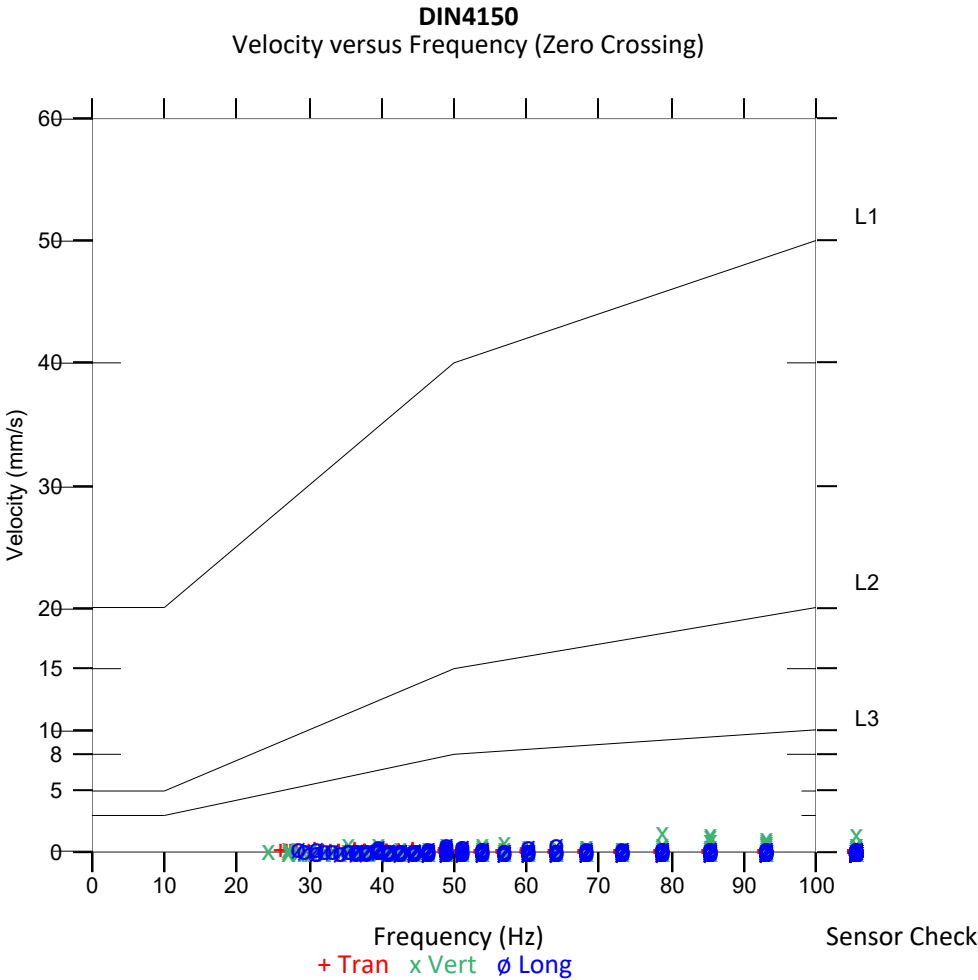
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221030112956.IDFW
Disabled

Notes
Location MM-16, Plavje 47a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.355 mm/s	1.671 mm/s	0.694 mm/s
Zero Crossing Frequency	31.0 Hz	78.8 Hz	48.8 Hz
Time (Relative to Trigger)	4.502 sec	4.451 sec	4.494 sec
Peak Acceleration	0.016 g	0.090 g	0.026 g
Peak Displacement	0.001 mm	0.003 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.7	4.7	4.2
Peak Vector Sum	1.681 mm/s at 4.451 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 30, 2022 14:19:07
Geo 0.500 mm/s
0.25 sec/16.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221030141907.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-16, Plavje 47a

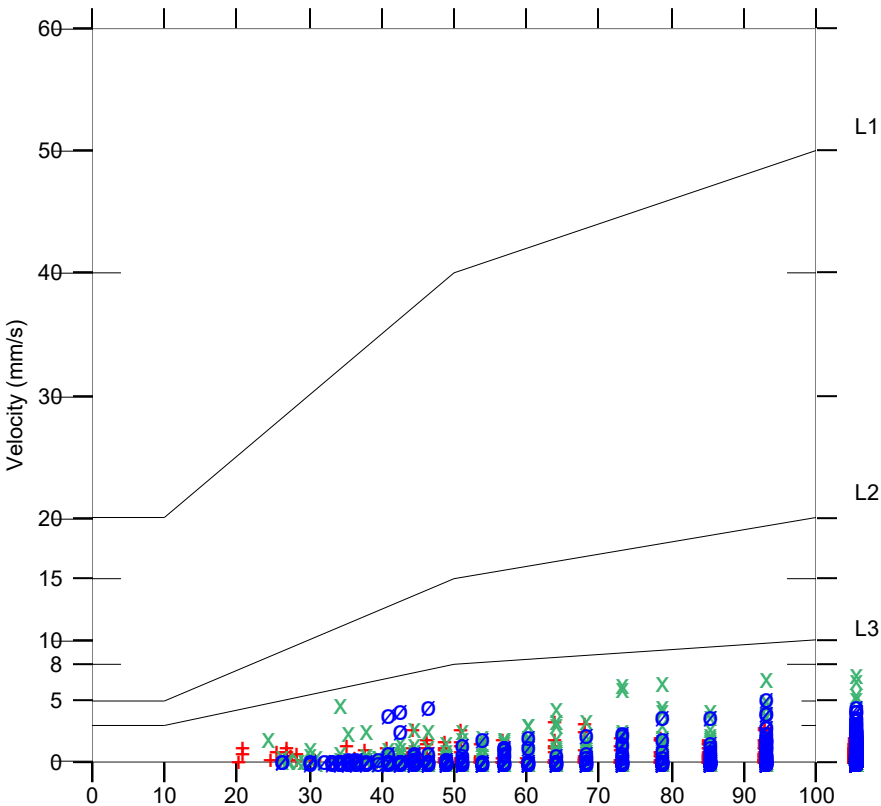
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

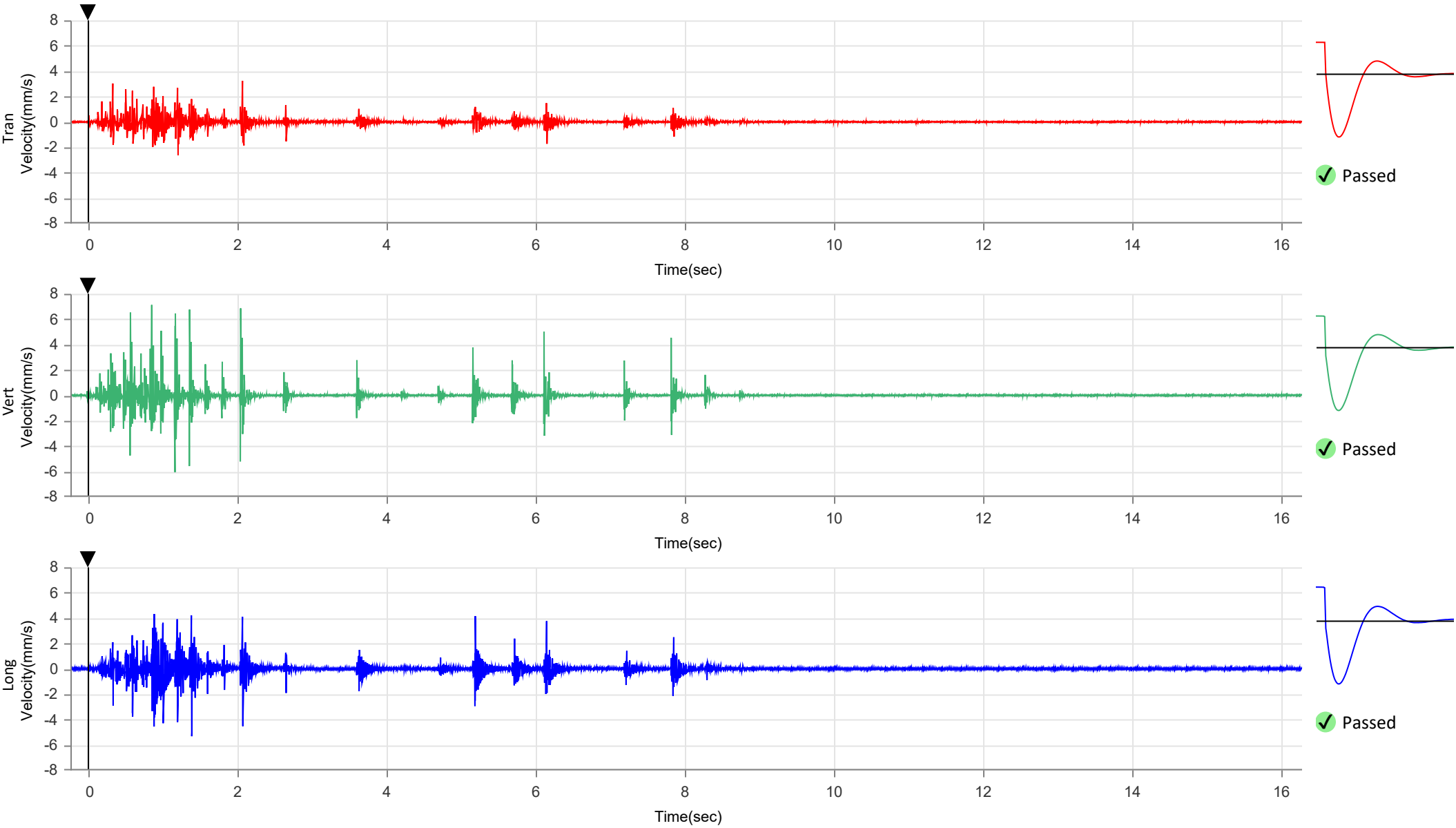
Tran	Vert	Long
3.239 mm/s	7.125 mm/s	5.312 mm/s
64.0 Hz	>100 Hz	93.1 Hz
2.062 sec	0.843 sec	1.380 sec
0.156 g	0.566 g	0.336 g
0.009 mm	0.013 mm	0.012 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.7	4.7	4.2

Peak Vector Sum 7.222 mm/s at 0.843 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check
+ Tran x Vert o Long





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:43
Geo 0.500 mm/s
0.21 sec/16.9 sec (Auto)
2048 sps
factory.mmb
Operator

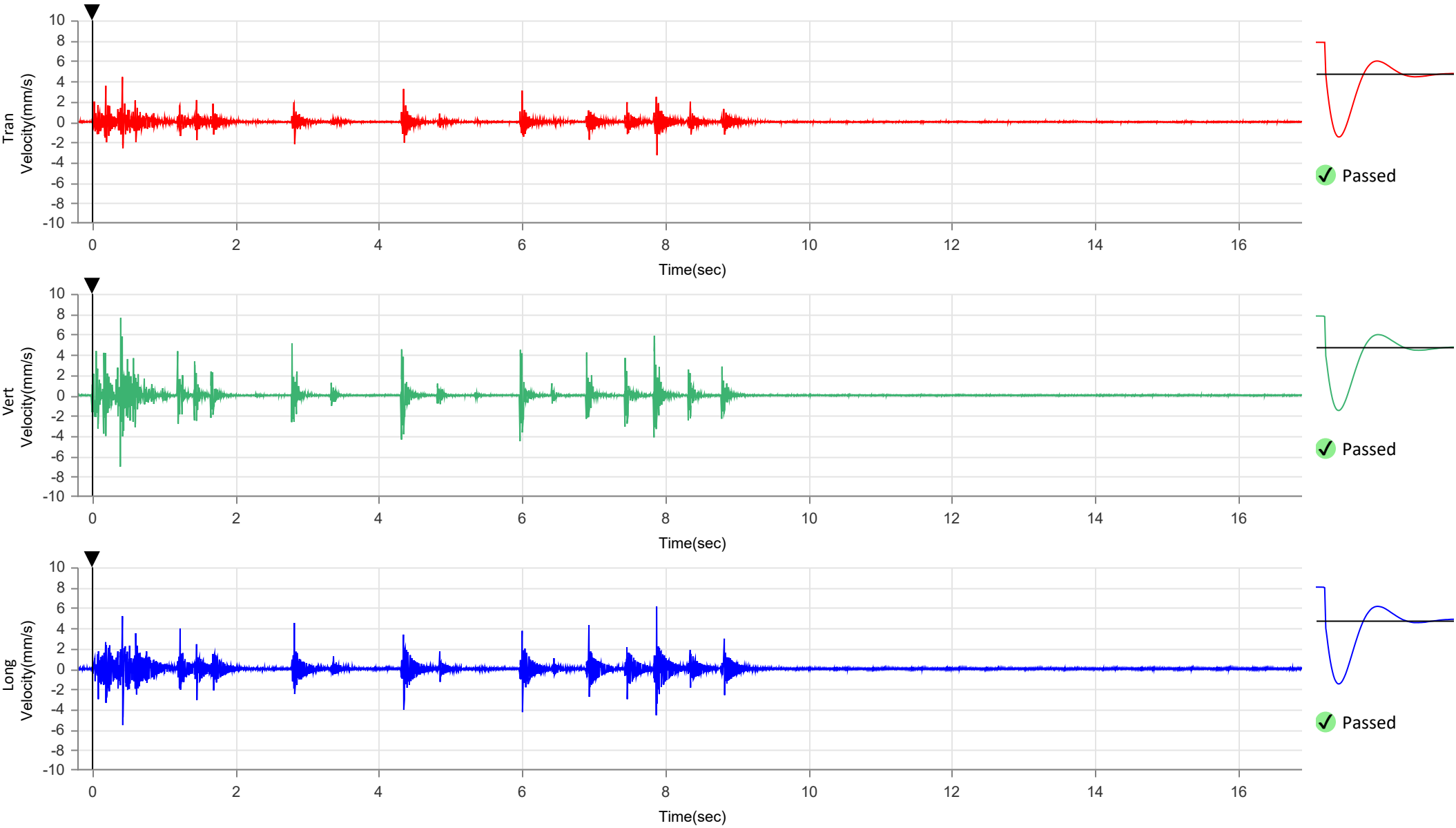
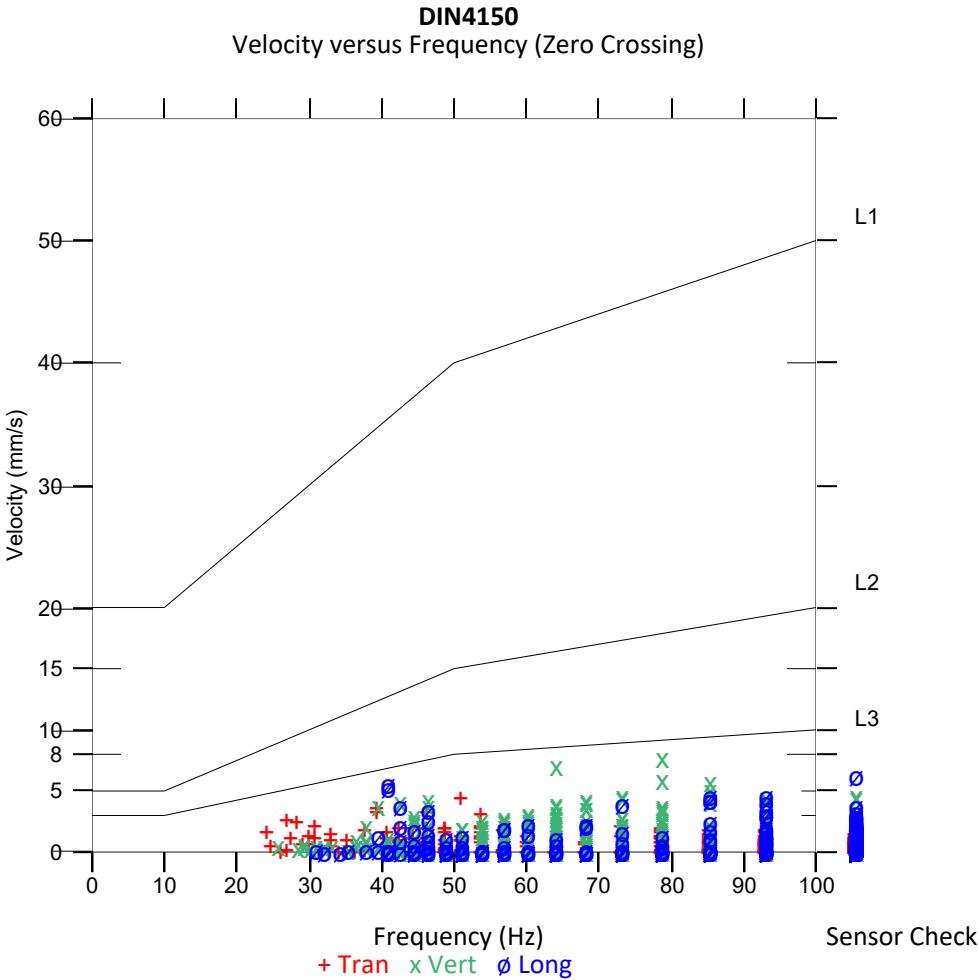
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19254
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19254_20221031130443.IDFW
Disabled

Notes
Location MM-16, Plavje 47a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	4.422 mm/s	7.630 mm/s	6.132 mm/s
Zero Crossing Frequency	51.2 Hz	78.8 Hz	>100 Hz
Time (Relative to Trigger)	0.424 sec	0.398 sec	7.882 sec
Peak Acceleration	0.196 g	0.653 g	0.359 g
Peak Displacement	0.012 mm	0.014 mm	0.014 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.7	4.7	4.2
Peak Vector Sum	7.884 mm/s at 0.398 sec		



PRILOGA 1.7:
Rezultati meritev
- MM-19 (Plavje 43b) -

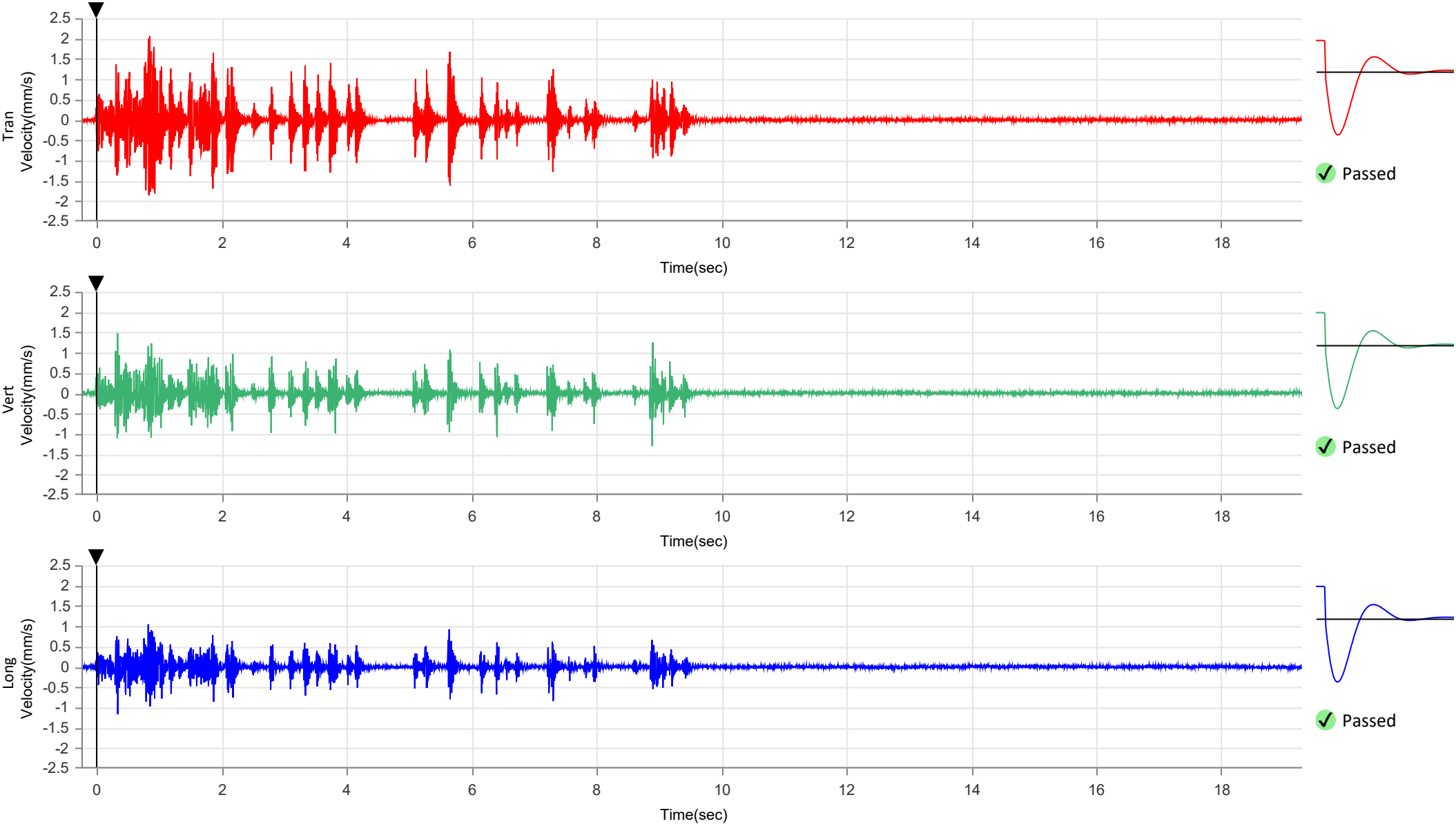
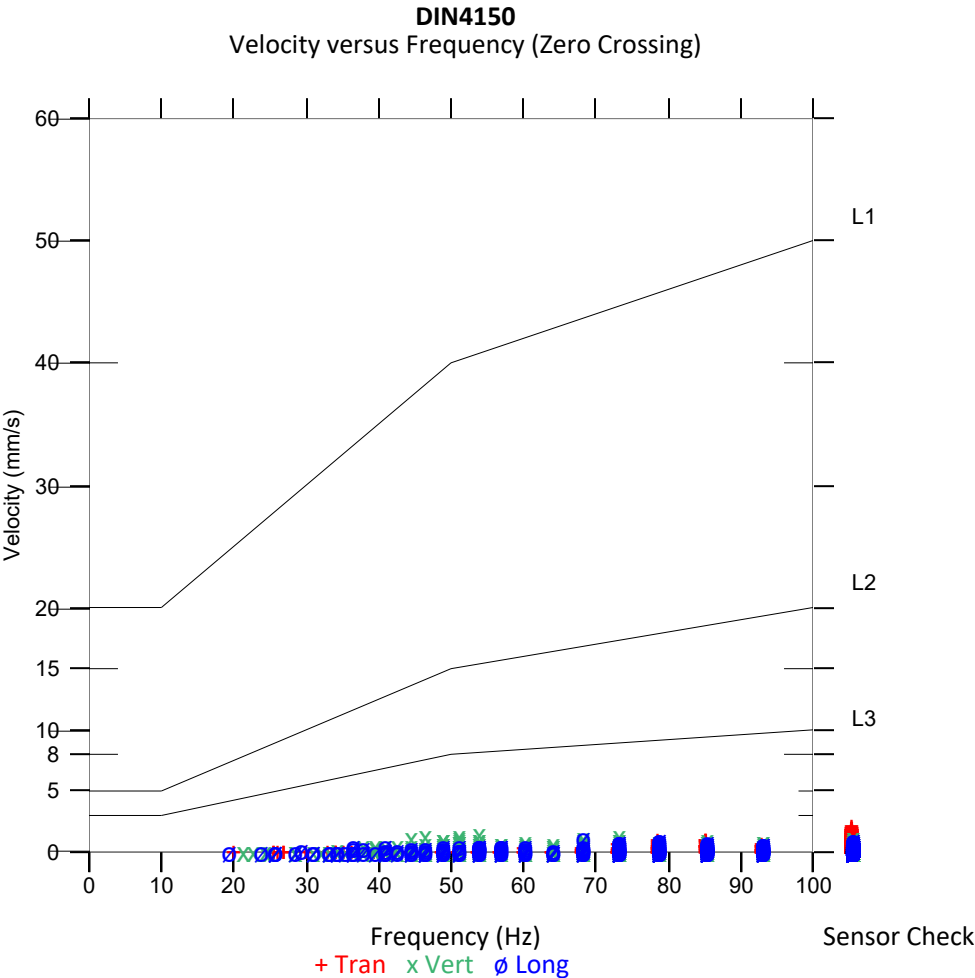


Waveform Trigger Source	Tran at October 24, 2022 11:30:07	Serial Number	UM19274
Trigger Level(s)	Geo 0.500 mm/s	Model Number	Micromate DIN 10.90FB
Pre-Trigger/Record Time	0.25 sec/19.3 sec (Auto)	Battery Level	3.8 volts
Sample Rate	2048 sps	Unit Calibration	December 1, 2021 by Instantel
Setup File Name	factory.mmb	Event File Name	UM19274_20221024113007.IDFW
Operator	Operator	USB Sensor Support	Disabled

Notes
Location MM-19, Plavje 43b
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.065 mm/s	1.482 mm/s	1.167 mm/s
Zero Crossing Frequency	>100 Hz	53.9 Hz	68.3 Hz
Time (Relative to Trigger)	0.844 sec	0.330 sec	0.332 sec
Peak Acceleration	0.290 g	0.138 g	0.099 g
Peak Displacement	0.002 mm	0.004 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.9 Hz	8.2 Hz	7.9 Hz
Overswing Ratio	4.0	4.2	4.2
Peak Vector Sum	2.228 mm/s at 0.844 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 25, 2022 09:21:30
Geo 0.500 mm/s
0.25 sec/19.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221025092130.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

Post Event Notes No text to be displayed.

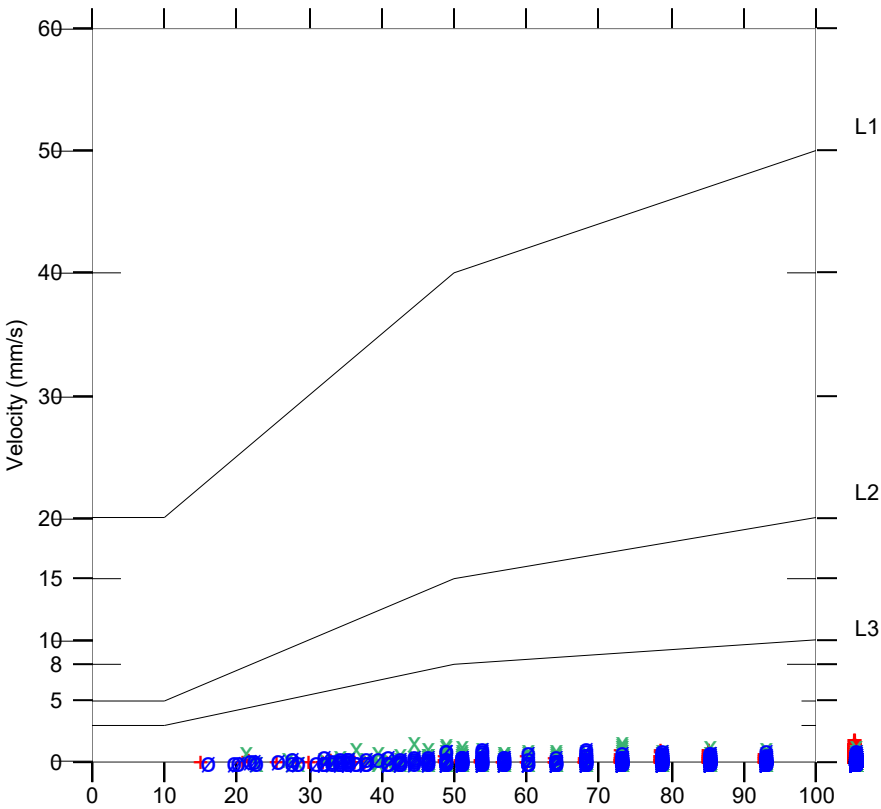
Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Peak Vector Sum

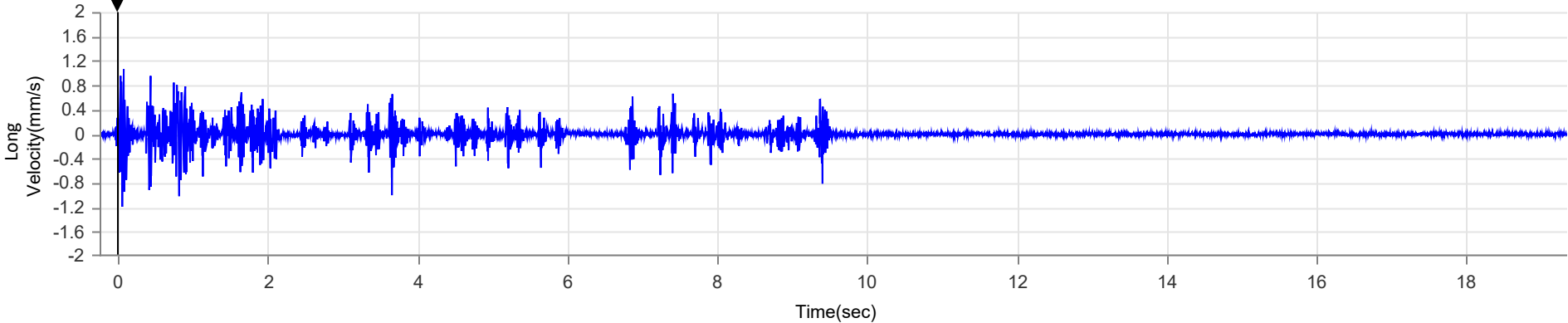
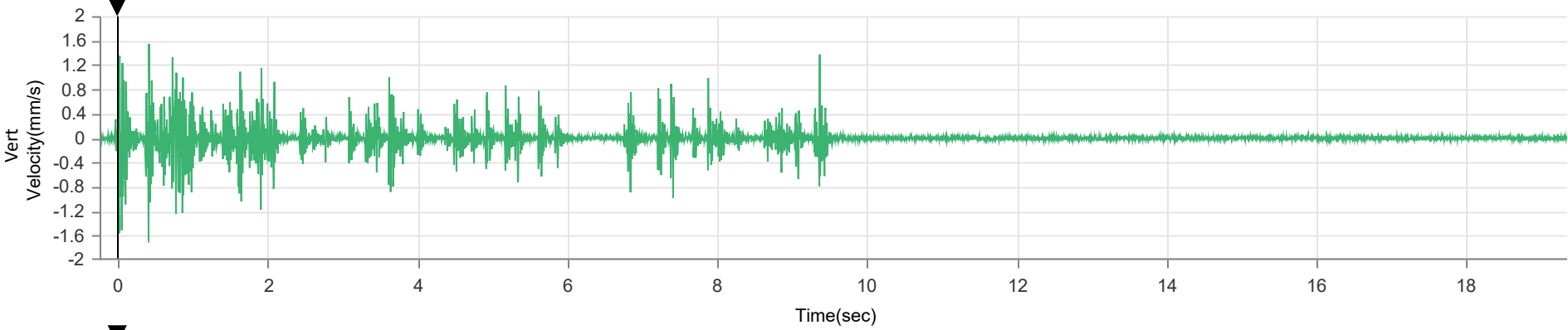
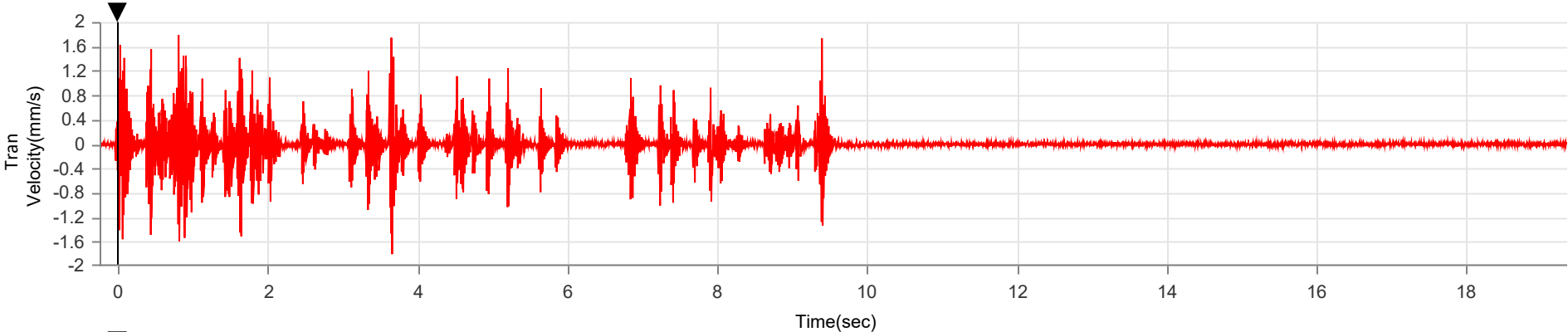
Tran	Vert	Long
1.805 mm/s	1.710 mm/s	1.190 mm/s
>100 Hz	44.5 Hz	68.3 Hz
3.658 sec	0.405 sec	0.054 sec
0.220 g	0.140 g	0.095 g
0.002 mm	0.005 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.5 Hz
4.0	4.2	4.2

1.937 mm/s at 0.806 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 26, 2022 11:12:49
Geo 0.500 mm/s
0.25 sec/19.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

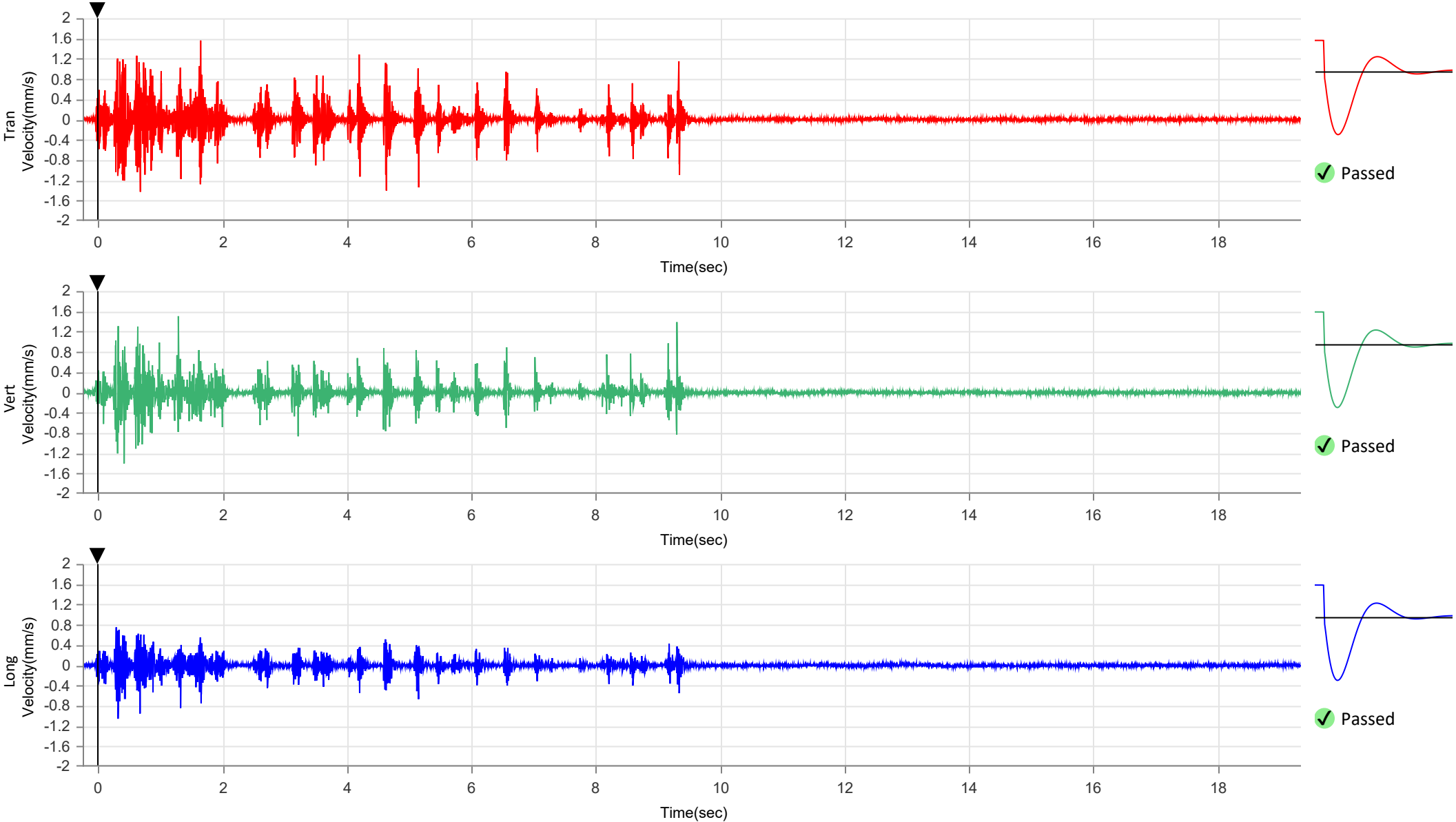
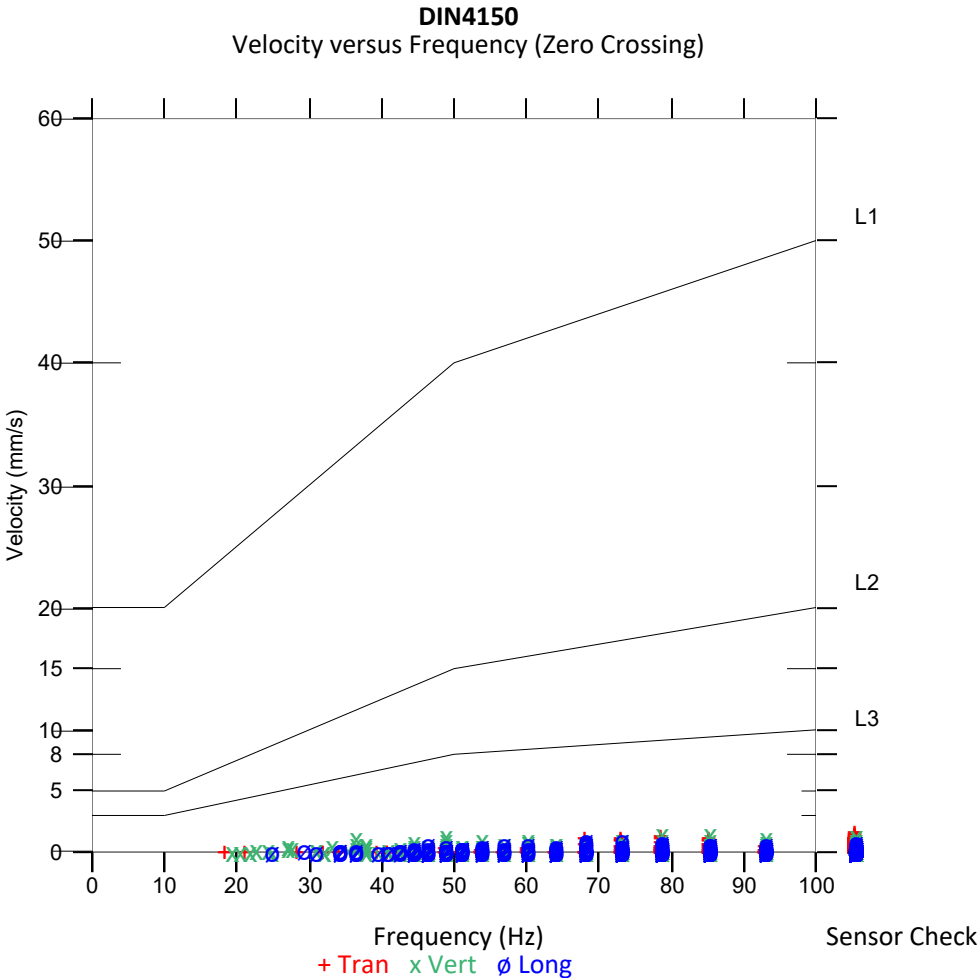
UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221026111249.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.561 mm/s	1.505 mm/s	1.056 mm/s
Zero Crossing Frequency	>100 Hz	93.1 Hz	68.3 Hz
Time (Relative to Trigger)	1.648 sec	1.290 sec	0.320 sec
Peak Acceleration	0.176 g	0.095 g	0.079 g
Peak Displacement	0.002 mm	0.004 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.0	4.2	4.2
Peak Vector Sum	1.755 mm/s at 0.320 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 16:42:54
Geo 0.500 mm/s
0.25 sec/19.3 sec (Auto)
2048 sps
factory.mmb
Operator

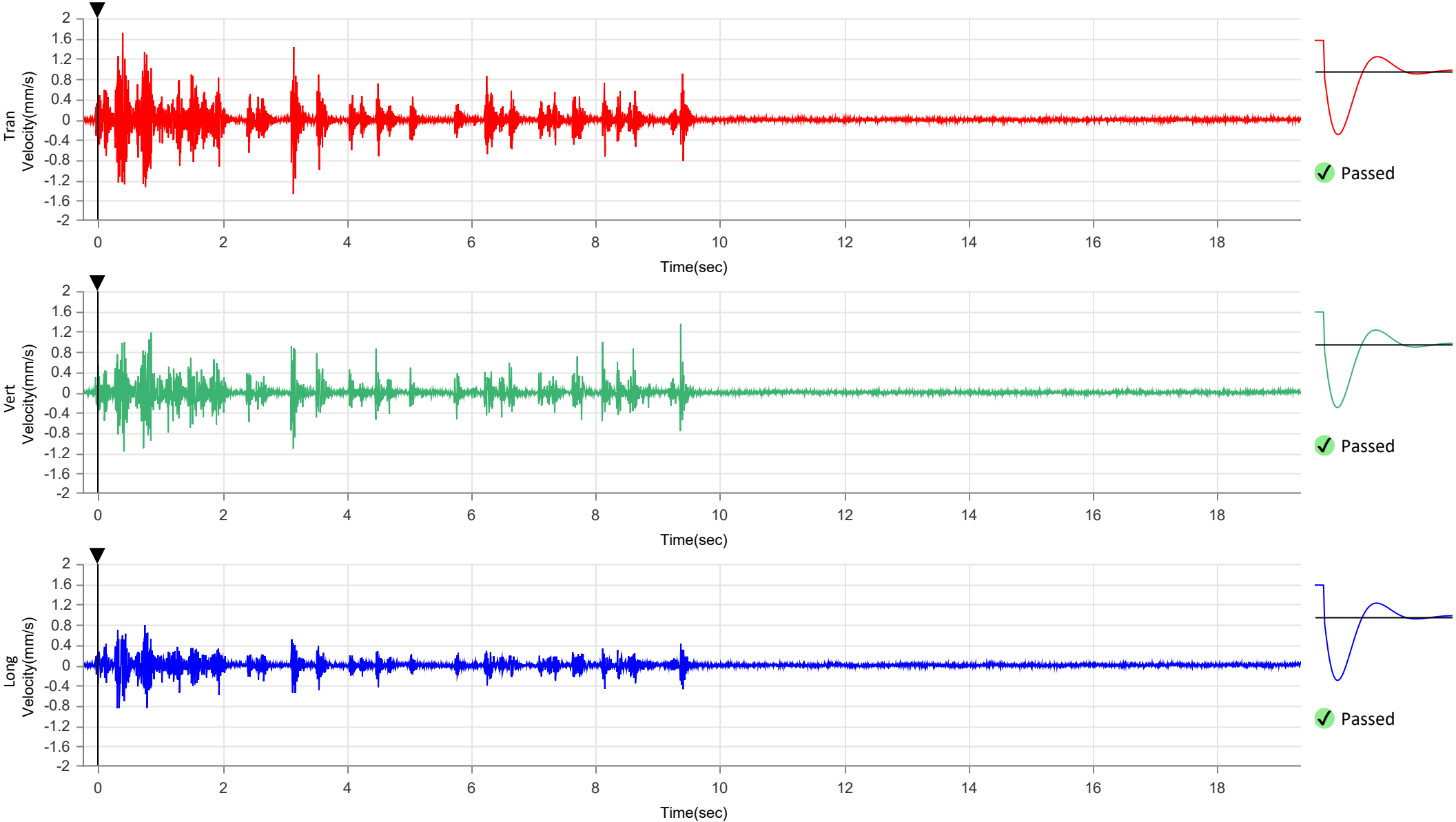
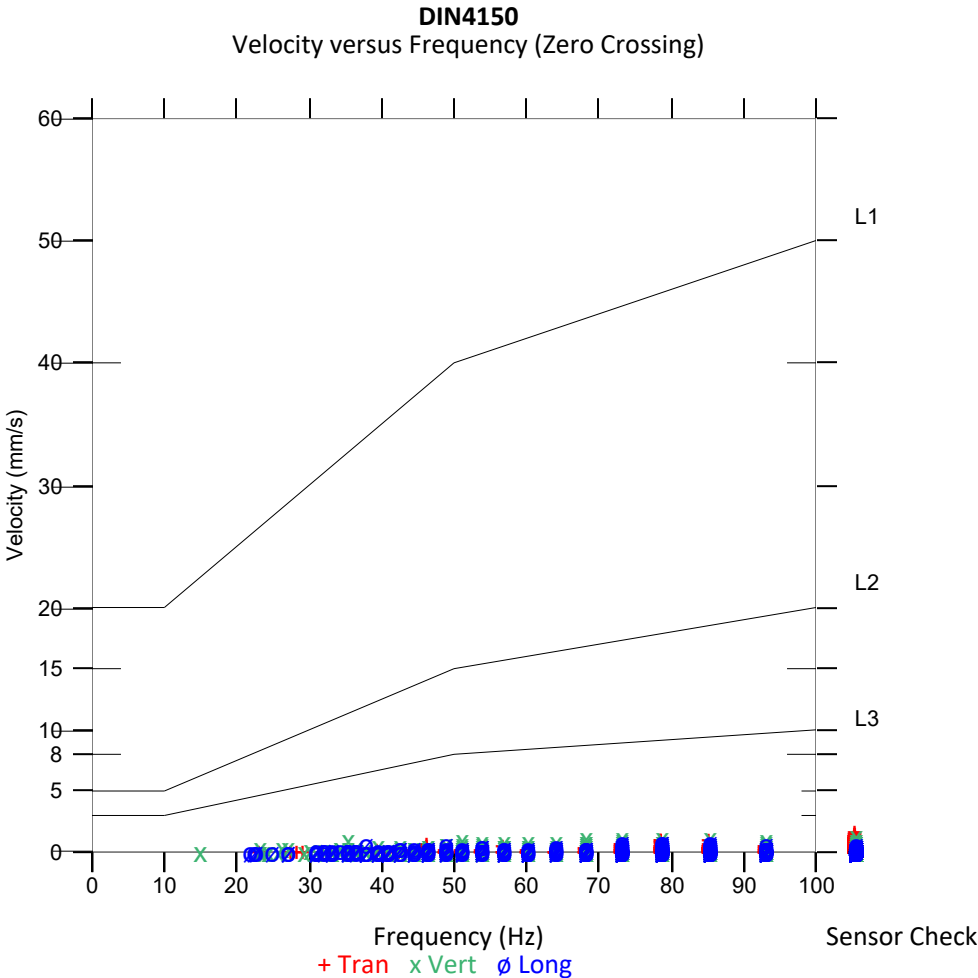
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221026164254.IDFW
Disabled

Notes
Location MM-19, Plavje 43b
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.710 mm/s	1.356 mm/s	0.851 mm/s
Zero Crossing Frequency	>100 Hz	>100 Hz	85.3 Hz
Time (Relative to Trigger)	0.395 sec	9.370 sec	0.309 sec
Peak Acceleration	0.181 g	0.092 g	0.072 g
Peak Displacement	0.002 mm	0.003 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.0	4.2	4.2
Peak Vector Sum	1.873 mm/s at 3.140 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 08:51:17
Geo 0.500 mm/s
0.25 sec/16.0 sec (Auto)
2048 sps
factory.mmb
Operator

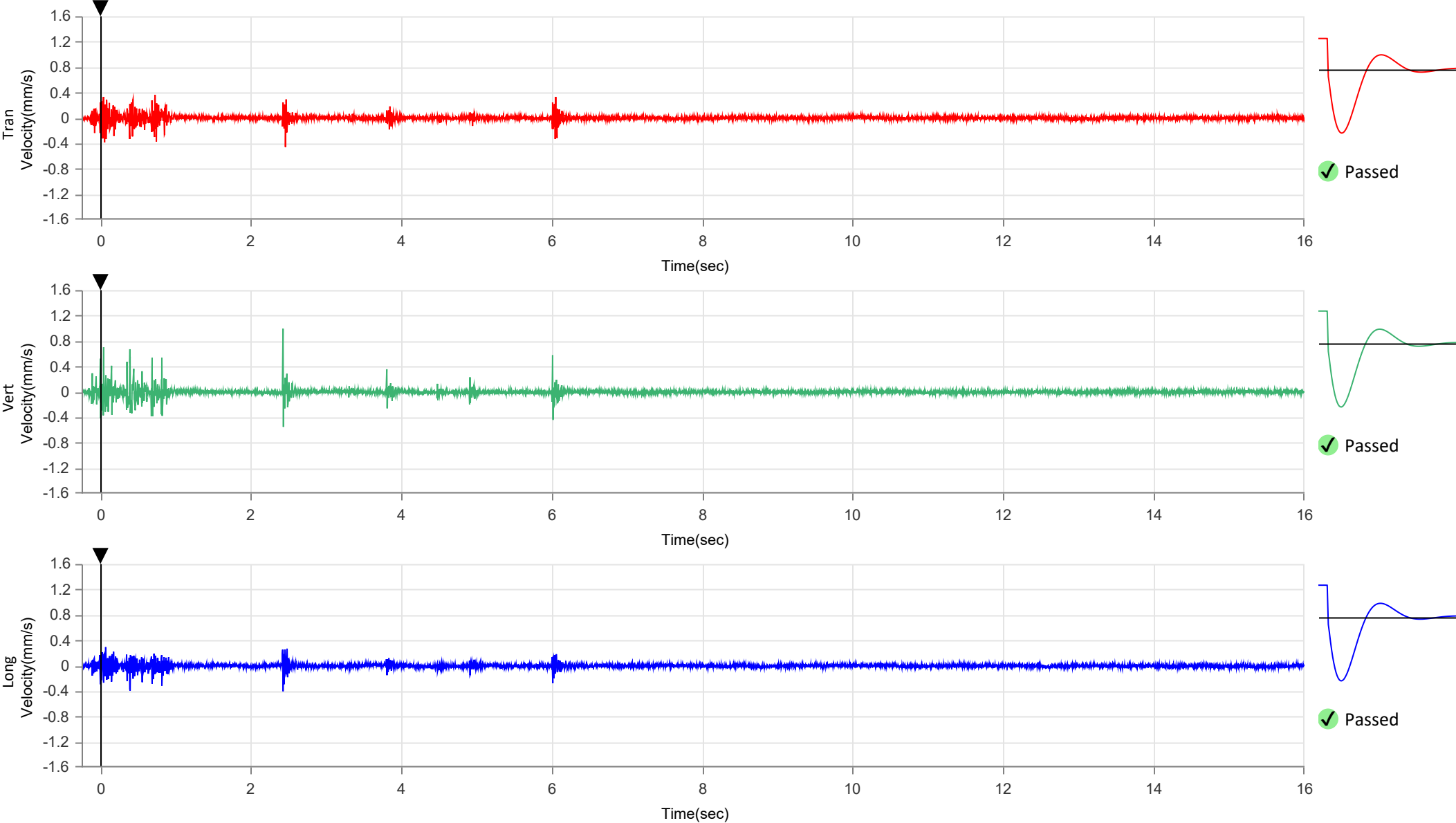
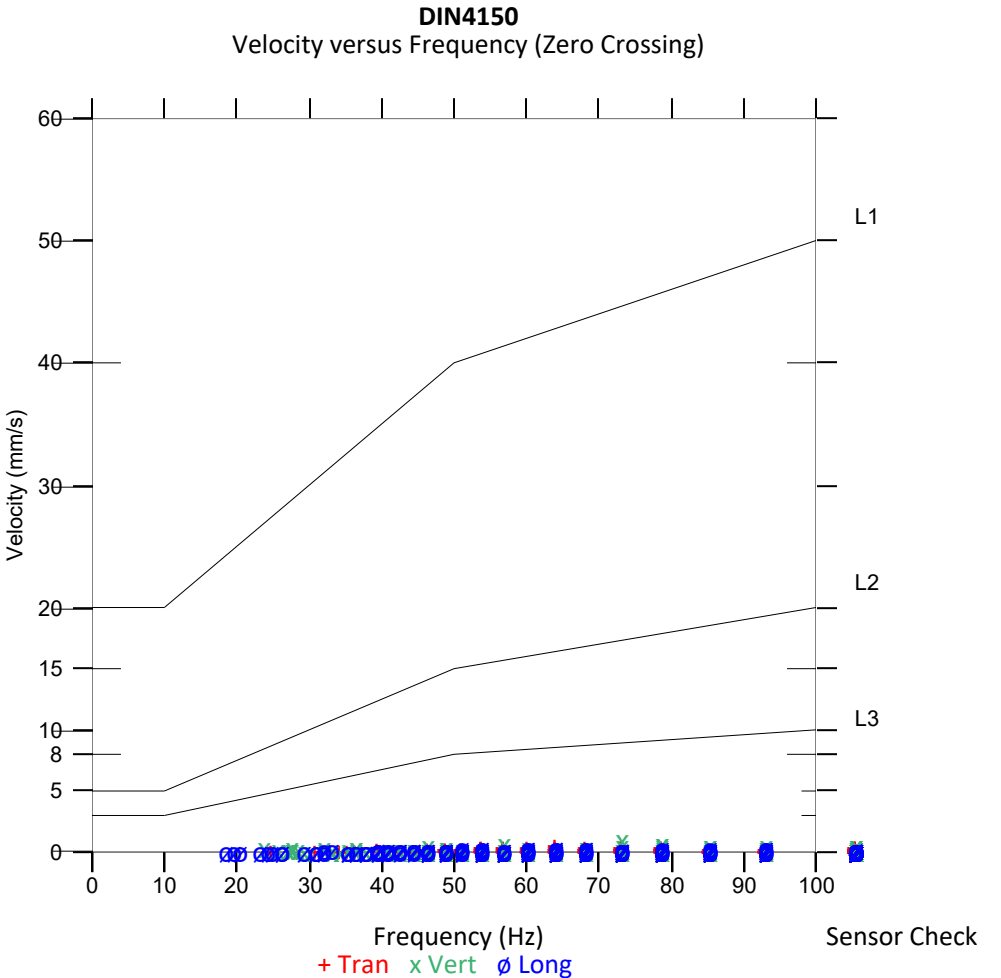
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221027085117.IDFW
Disabled

Notes
Location MM-19, Plavje 43b
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.457 mm/s	0.993 mm/s	0.402 mm/s
Zero Crossing Frequency	64.0 Hz	73.1 Hz	68.3 Hz
Time (Relative to Trigger)	2.461 sec	2.429 sec	2.429 sec
Peak Acceleration	0.043 g	0.054 g	0.025 g
Peak Displacement	0.001 mm	0.002 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.0	4.2	4.2
Peak Vector Sum	1.099 mm/s at 2.429 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 27, 2022 11:57:25
Geo 0.500 mm/s
0.25 sec/18.8 sec (Auto)
2048 sps
factory.mmb
Operator

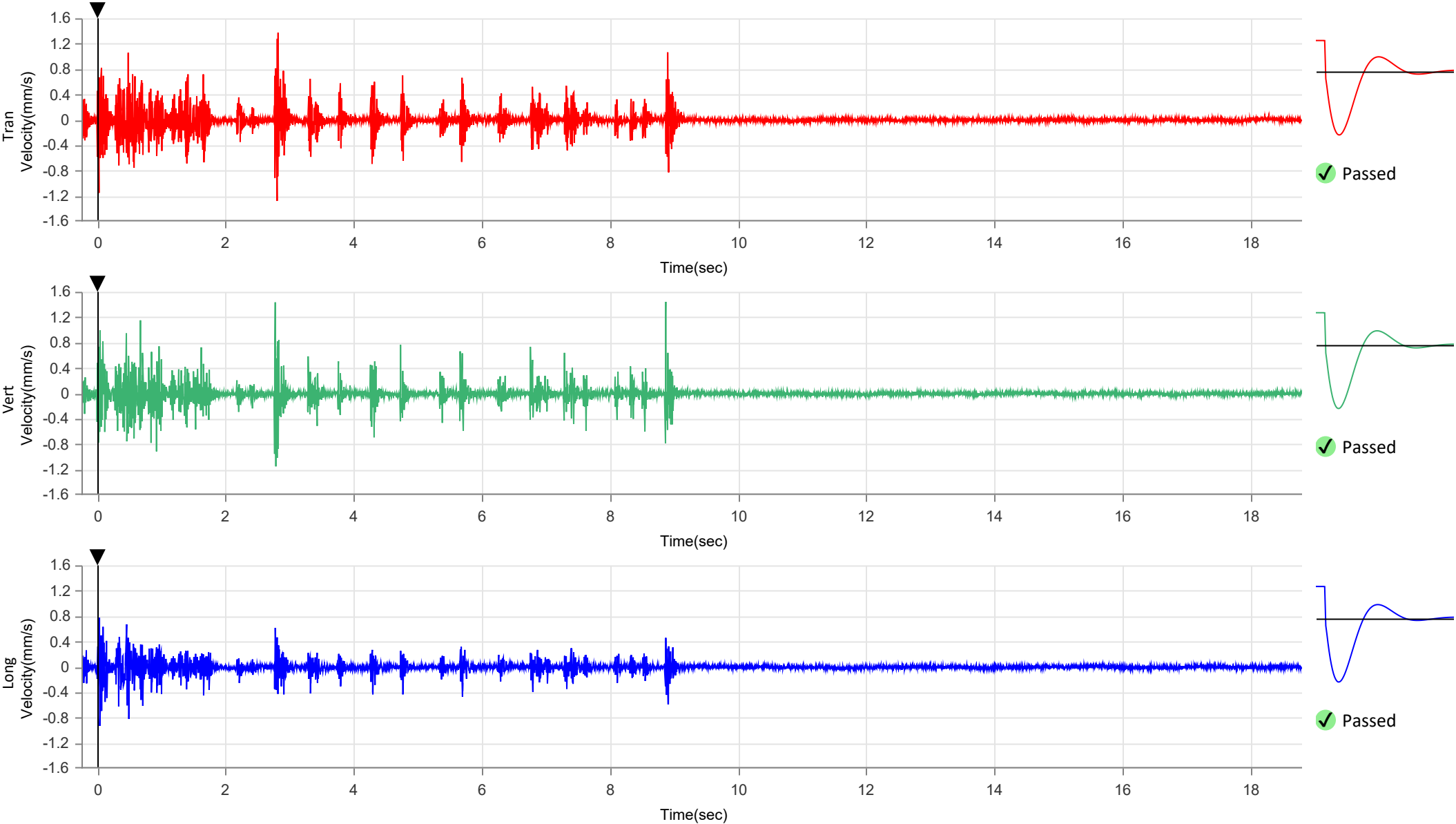
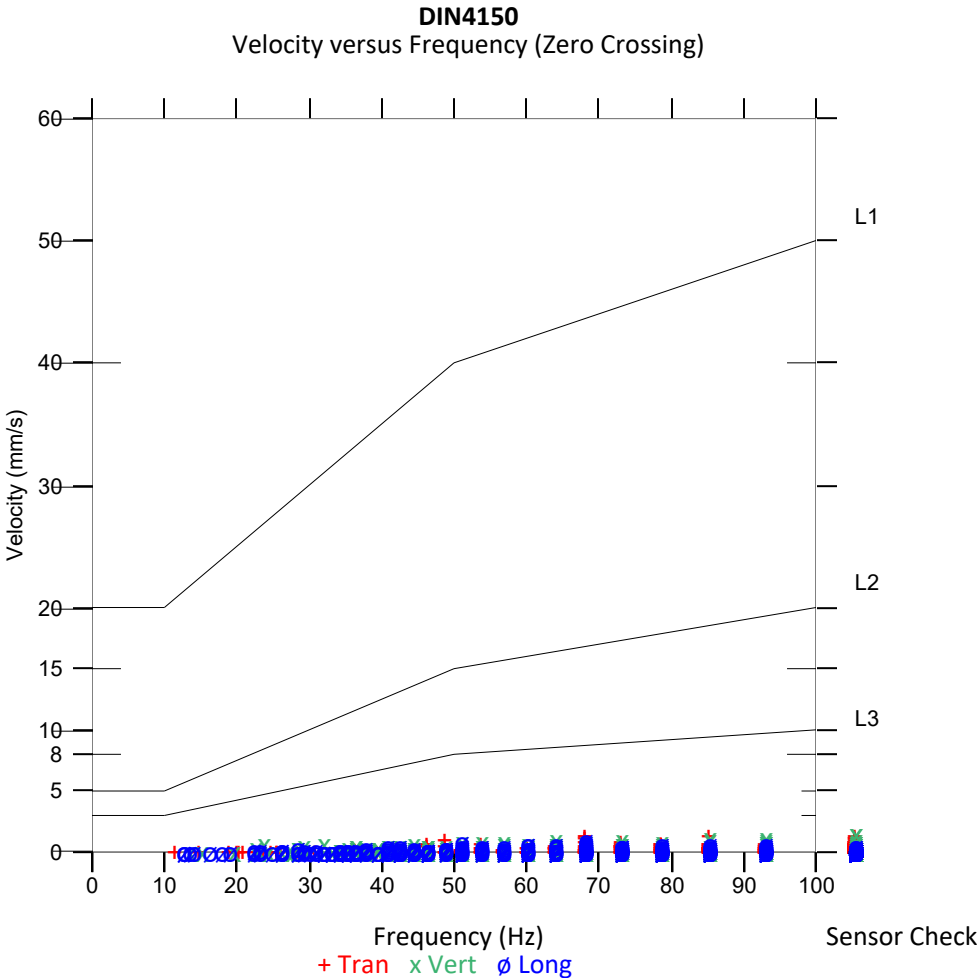
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221027115725.IDFW
Disabled

Notes
Location MM-19, Plavje 43b
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.371 mm/s	1.442 mm/s	0.930 mm/s
Zero Crossing Frequency	68.3 Hz	>100 Hz	68.3 Hz
Time (Relative to Trigger)	2.820 sec	8.872 sec	0.038 sec
Peak Acceleration	0.165 g	0.102 g	0.053 g
Peak Displacement	0.002 mm	0.003 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.0	4.2	4.2
Peak Vector Sum	1.638 mm/s at 2.806 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 13:04:33
Geo 0.500 mm/s
0.25 sec/16.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221027130433.IDFW
Disabled

Notes
Location
Client
Company
General Notes

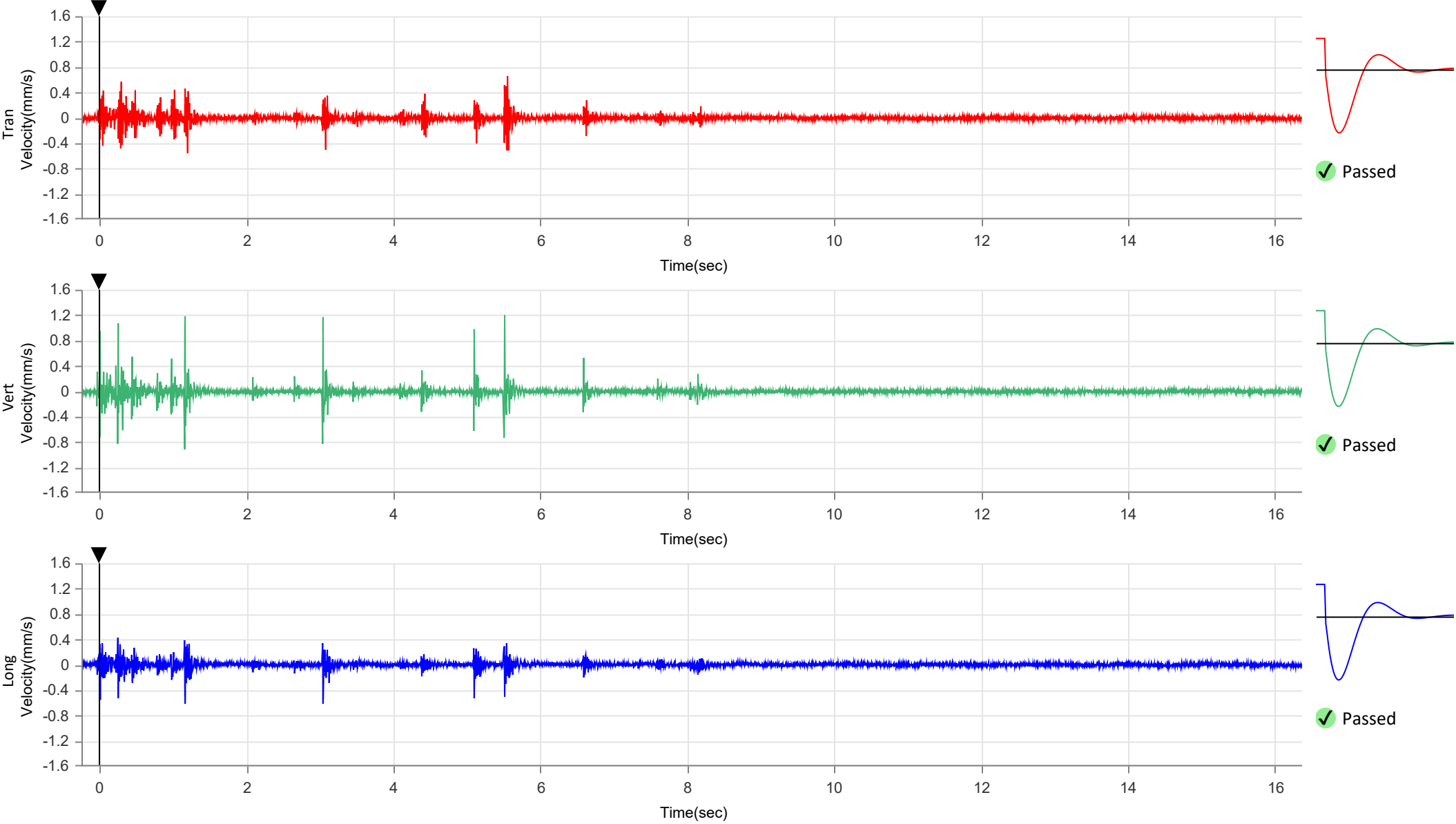
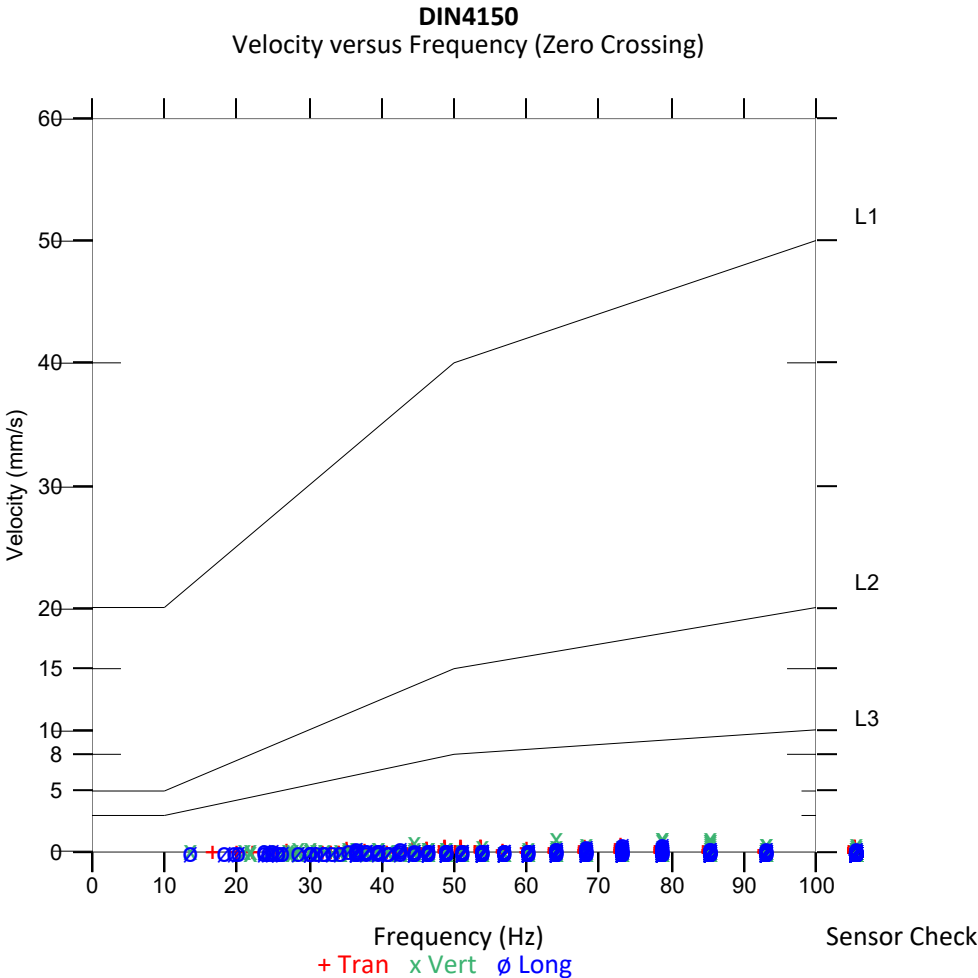
MM-19, Plavje 43b

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.654 mm/s	1.198 mm/s	0.615 mm/s
73.1 Hz	64.0 Hz	73.1 Hz
5.552 sec	5.512 sec	1.162 sec
0.061 g	0.084 g	0.041 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.5 Hz
4.0	4.2	4.2

Peak Vector Sum 1.333 mm/s at 1.162 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 28, 2022 11:58:27
Geo 0.500 mm/s
0.25 sec/19.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221028115827.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

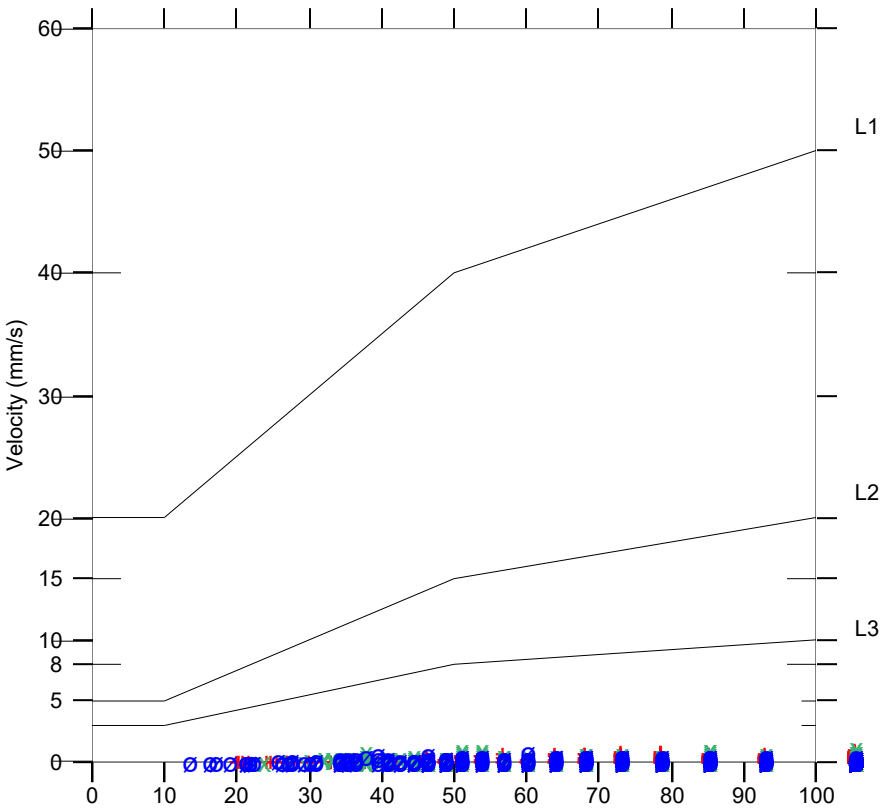
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

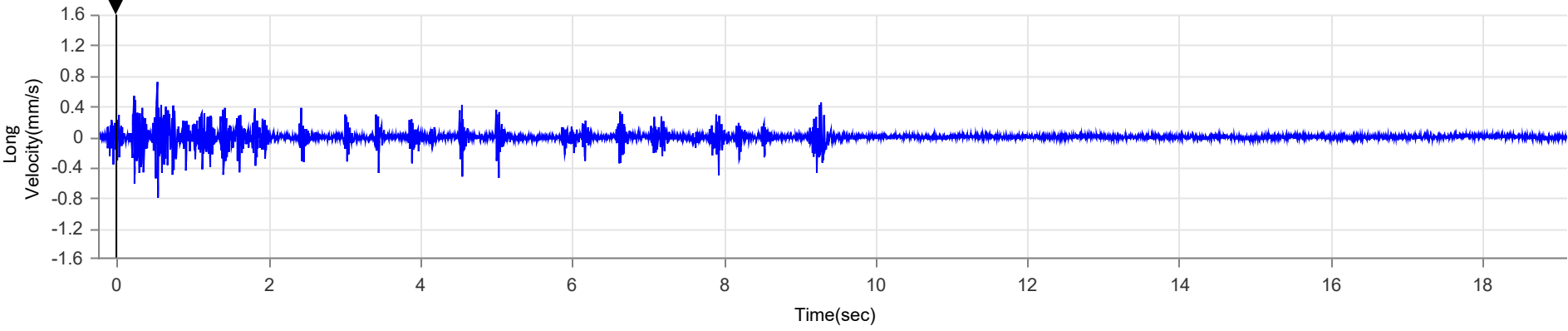
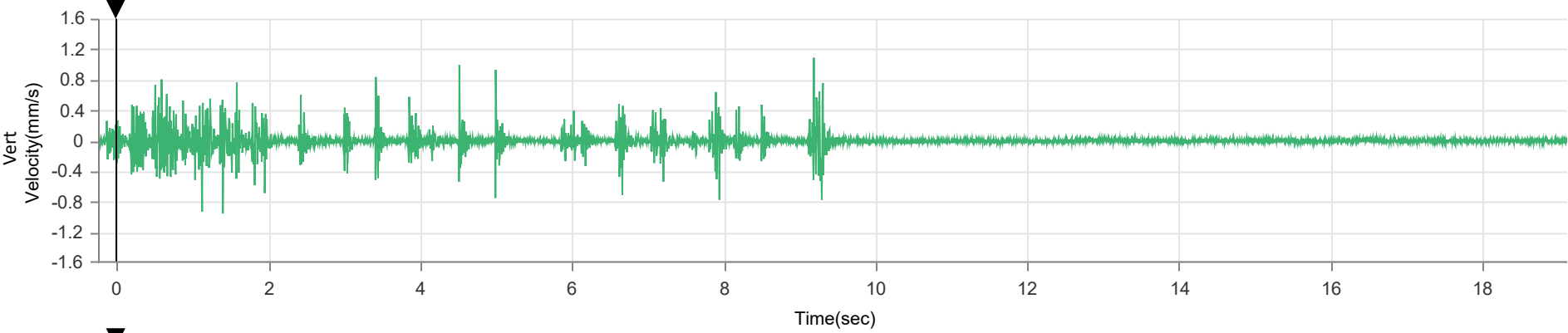
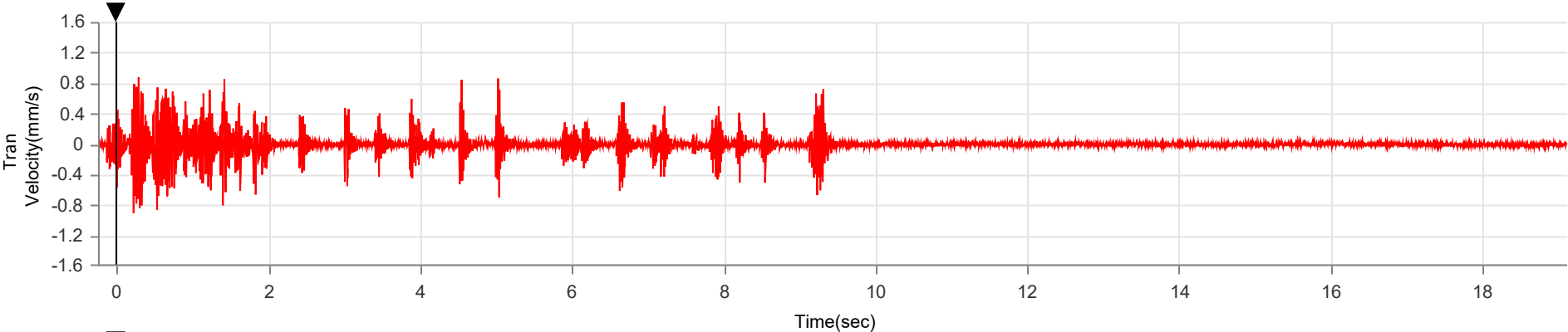
Tran	Vert	Long
0.906 mm/s	1.088 mm/s	0.796 mm/s
>100 Hz	>100 Hz	60.2 Hz
0.220 sec	9.187 sec	0.542 sec
0.105 g	0.074 g	0.046 g
0.002 mm	0.003 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.5 Hz
4.0	4.2	4.2

Peak Vector Sum 1.253 mm/s at 1.397 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:00
Geo 0.500 mm/s
0.25 sec/16.9 sec (Auto)
2048 sps
factory.mmb
Operator

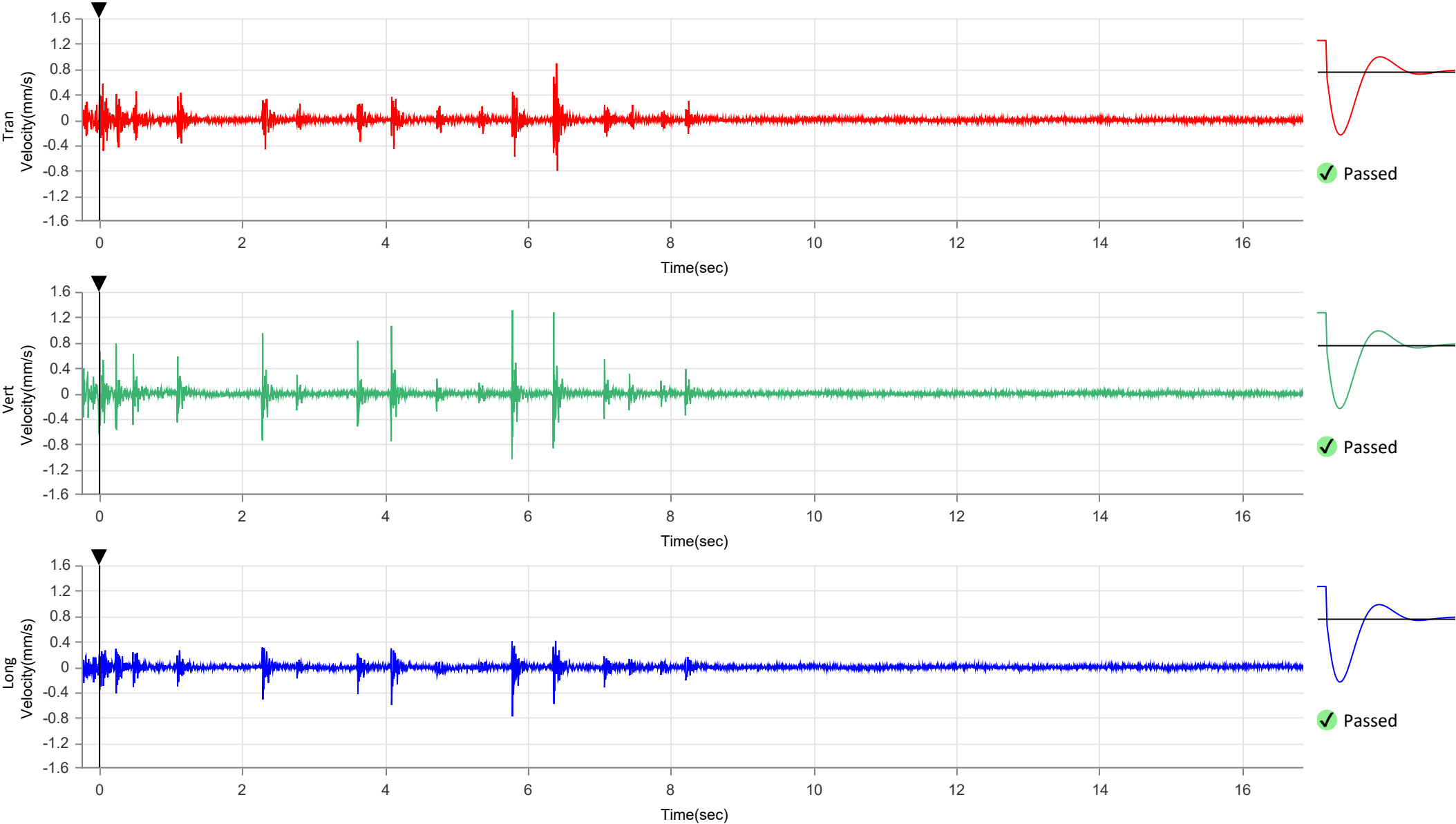
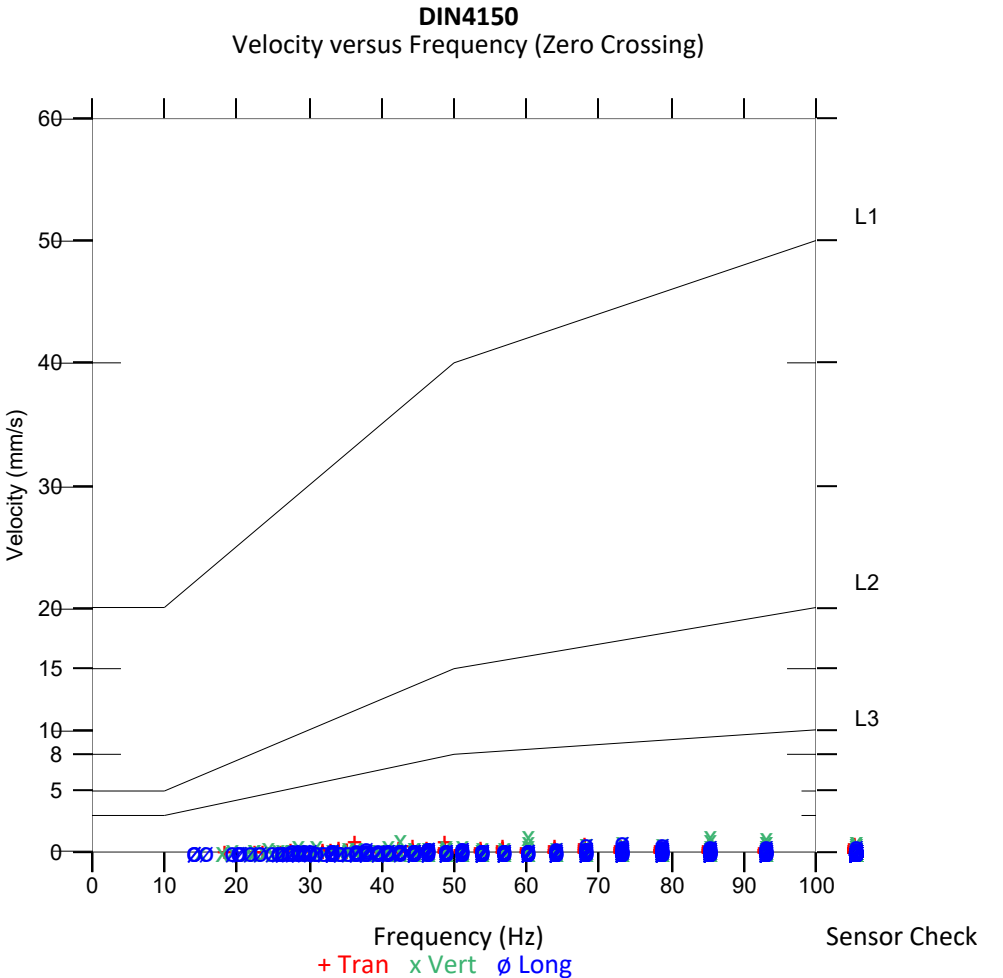
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221028163100.IDFW
Disabled

Notes
Location MM-19, Plavje 43b
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.891 mm/s	1.308 mm/s	0.780 mm/s
Zero Crossing Frequency	48.8 Hz	85.3 Hz	78.8 Hz
Time (Relative to Trigger)	6.402 sec	5.783 sec	5.784 sec
Peak Acceleration	0.081 g	0.099 g	0.049 g
Peak Displacement	0.002 mm	0.003 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.0	4.2	4.2
Peak Vector Sum	1.509 mm/s at 5.783 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 29, 2022 09:43:38
Geo 0.500 mm/s
0.25 sec/17.9 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

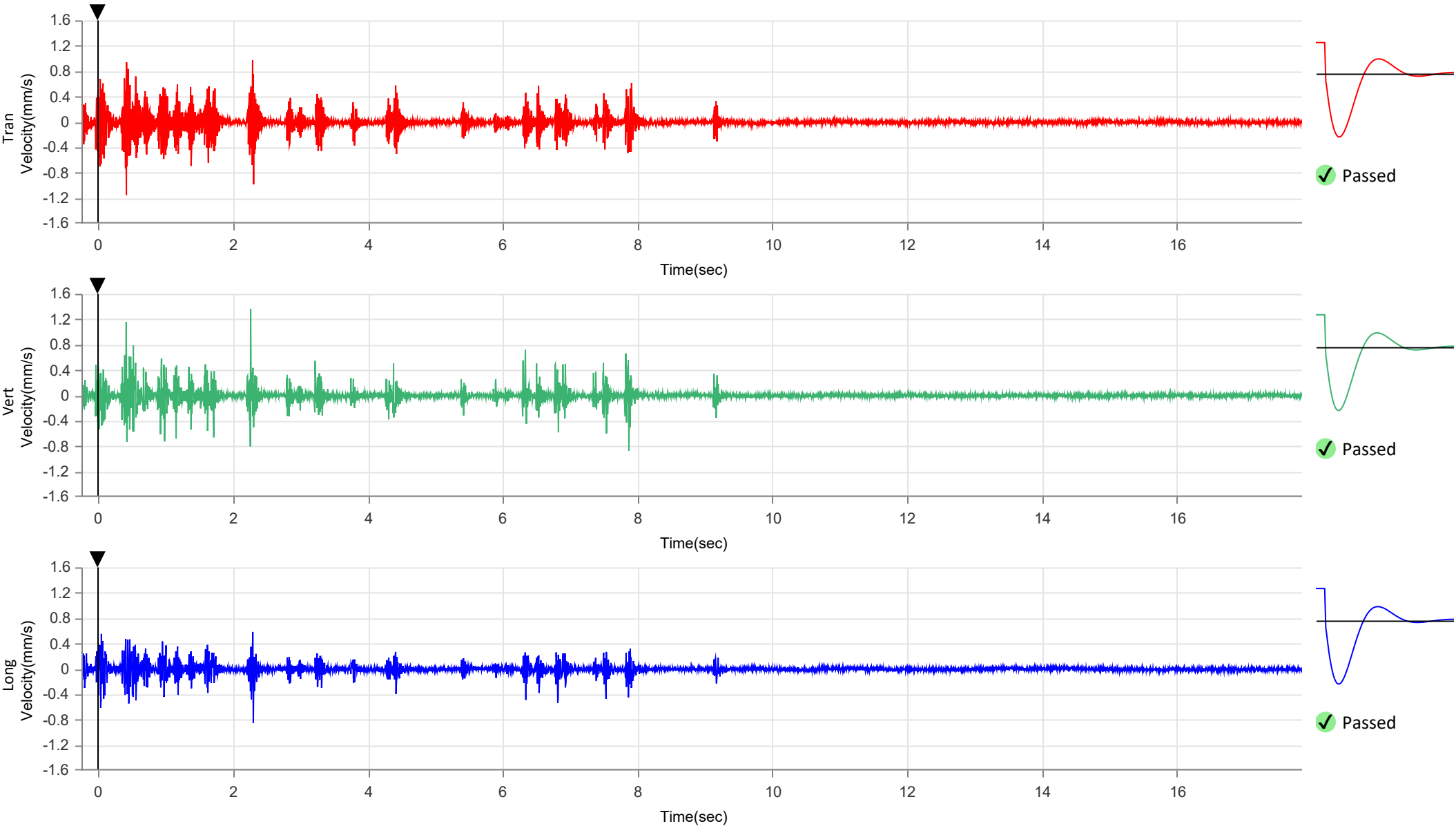
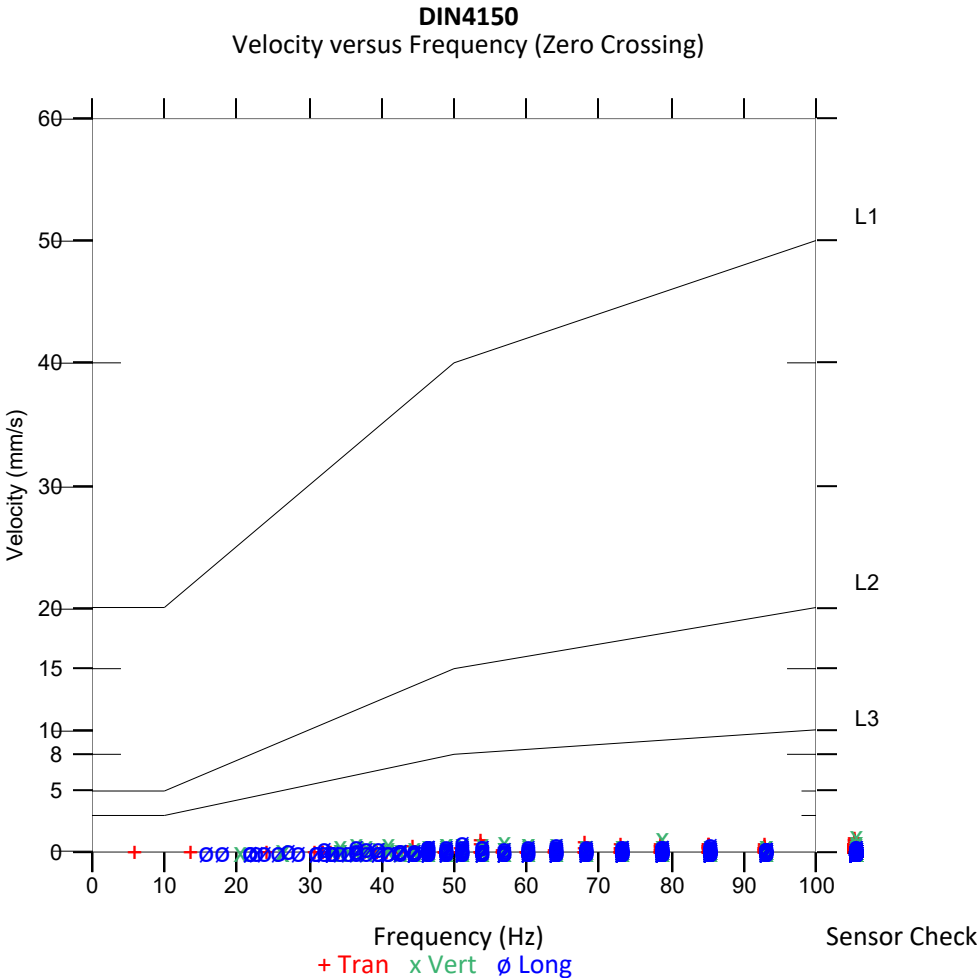
UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221029094338.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.151 mm/s	1.364 mm/s	0.851 mm/s
Zero Crossing Frequency	>100 Hz	>100 Hz	53.9 Hz
Time (Relative to Trigger)	0.417 sec	2.260 sec	2.299 sec
Peak Acceleration	0.137 g	0.086 g	0.064 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.0	4.2	4.2
Peak Vector Sum	1.364 mm/s at 2.260 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 12:16:57
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221029121657.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

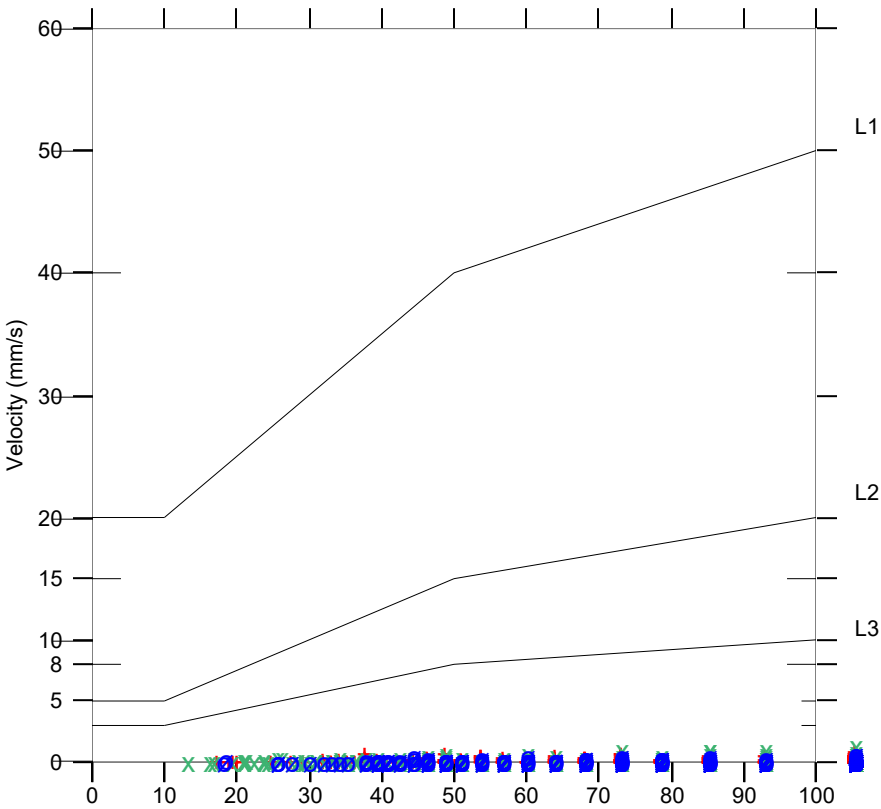
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.891 mm/s	1.277 mm/s	0.709 mm/s
>100 Hz	>100 Hz	>100 Hz
0.039 sec	0.005 sec	0.006 sec
0.089 g	0.102 g	0.053 g
0.002 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.5 Hz
4.0	4.2	4.2

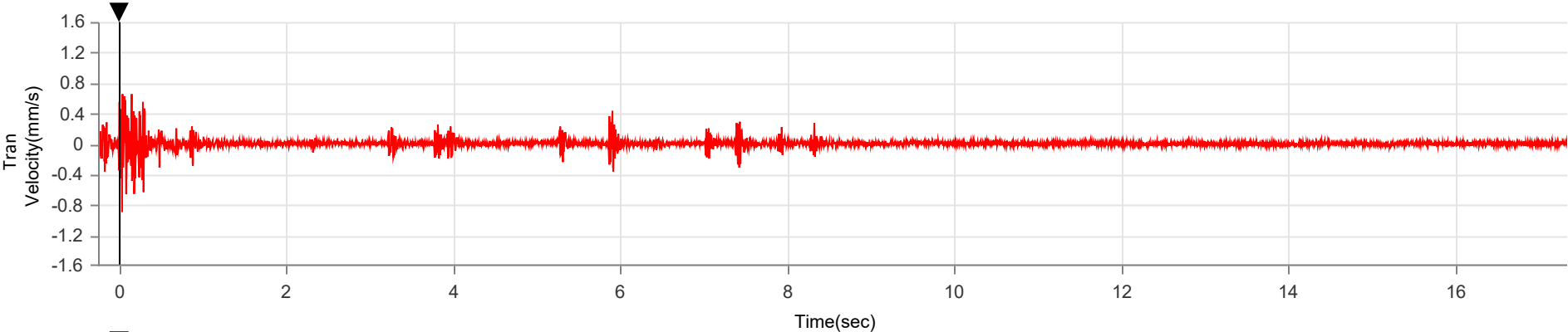
Peak Vector Sum 1.325 mm/s at 0.005 sec

DIN4150
Velocity versus Frequency (Zero Crossing)

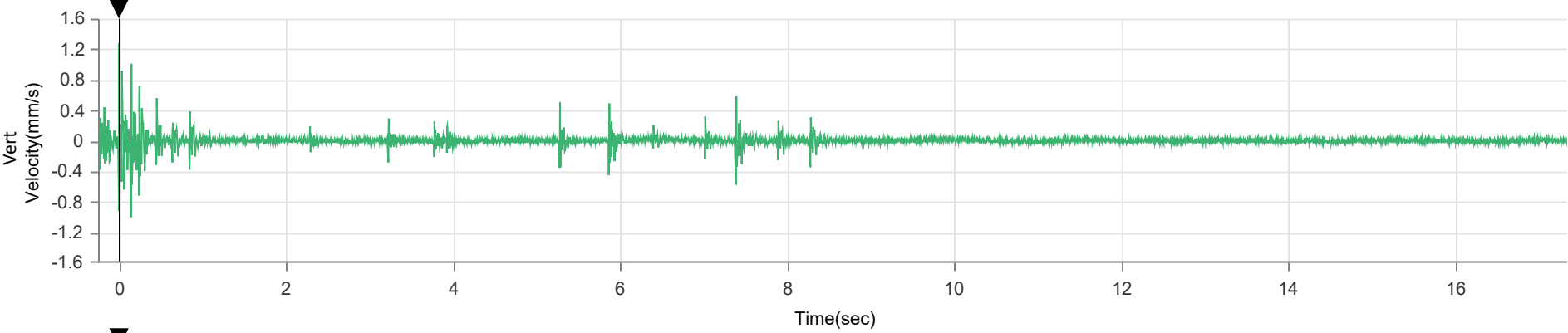


Sensor Check

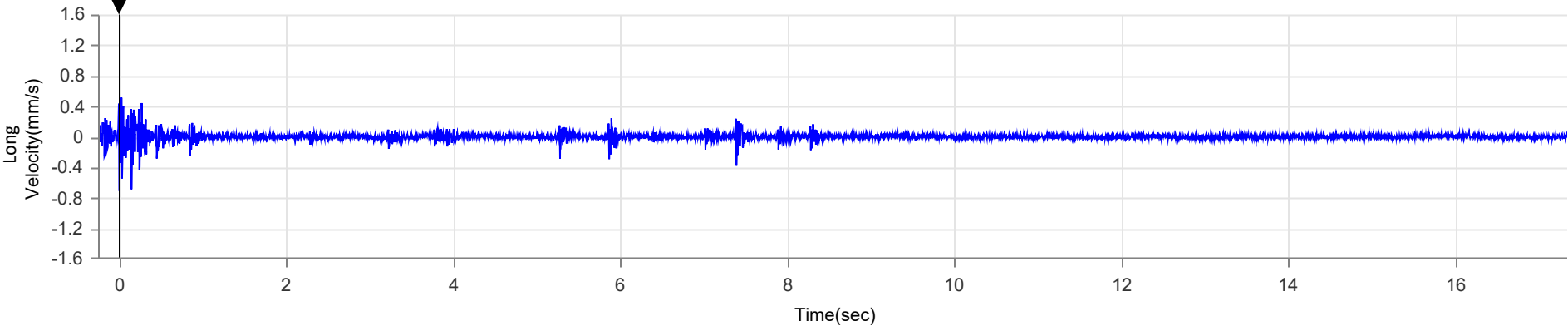
Frequency (Hz)
+ Tran x Vert ø Long



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Tran at October 30, 2022 09:54:33
Geo 0.500 mm/s
0.25 sec/18.9 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221030095433.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

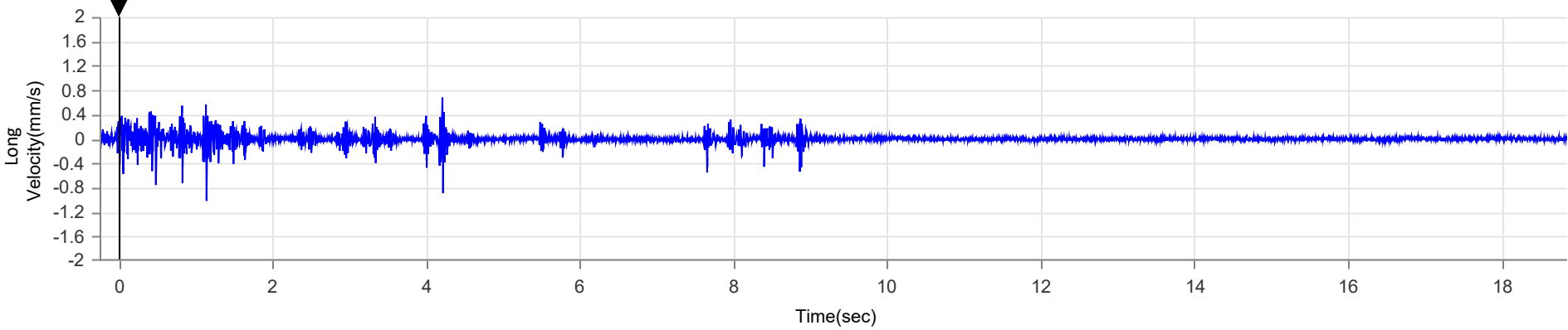
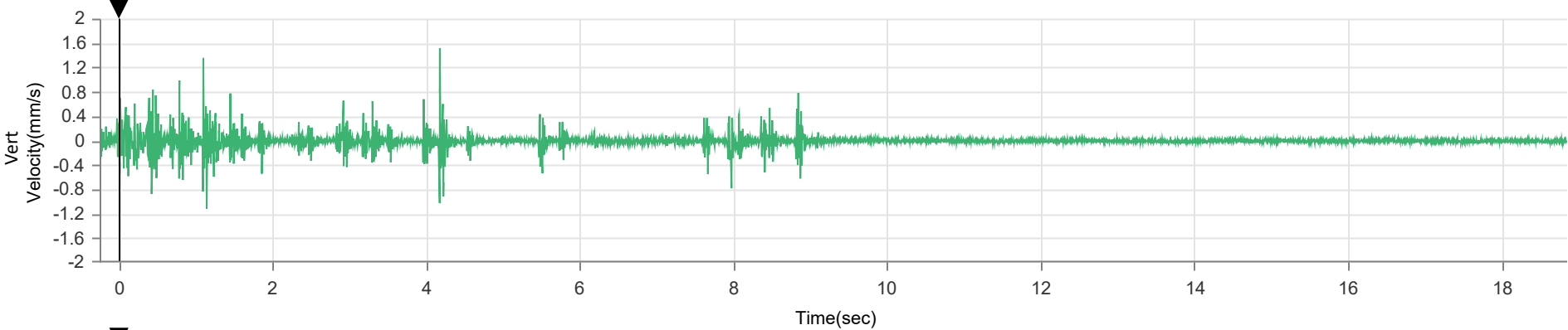
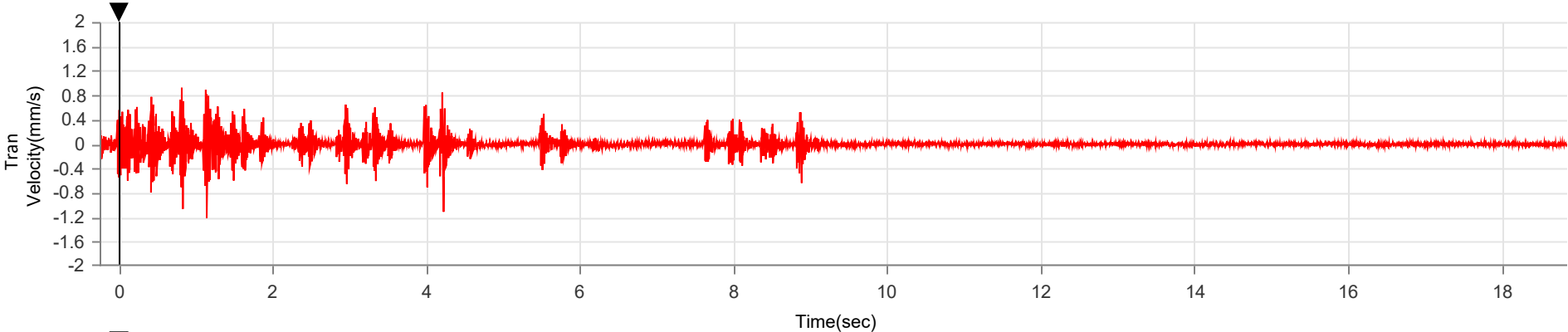
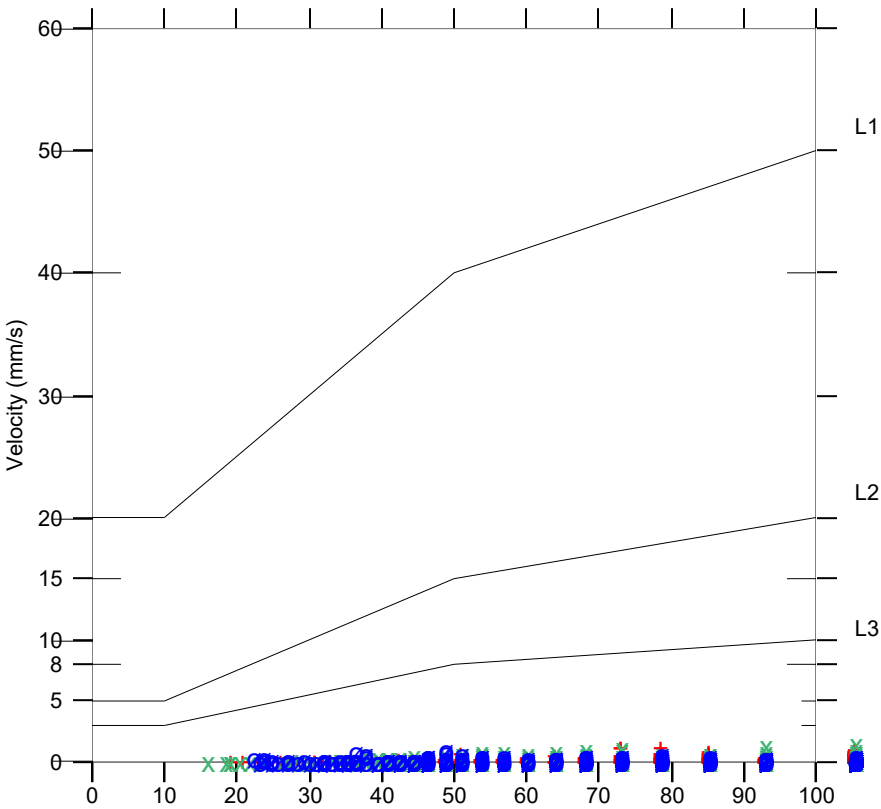
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
1.214 mm/s	1.513 mm/s	1.017 mm/s
73.1 Hz	>100 Hz	48.8 Hz
1.146 sec	4.180 sec	1.142 sec
0.109 g	0.107 g	0.056 g
0.002 mm	0.002 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.0	4.2	4.3

Peak Vector Sum 1.681 mm/s at 1.146 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:56
Geo 0.500 mm/s
0.25 sec/17.6 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221030112956.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

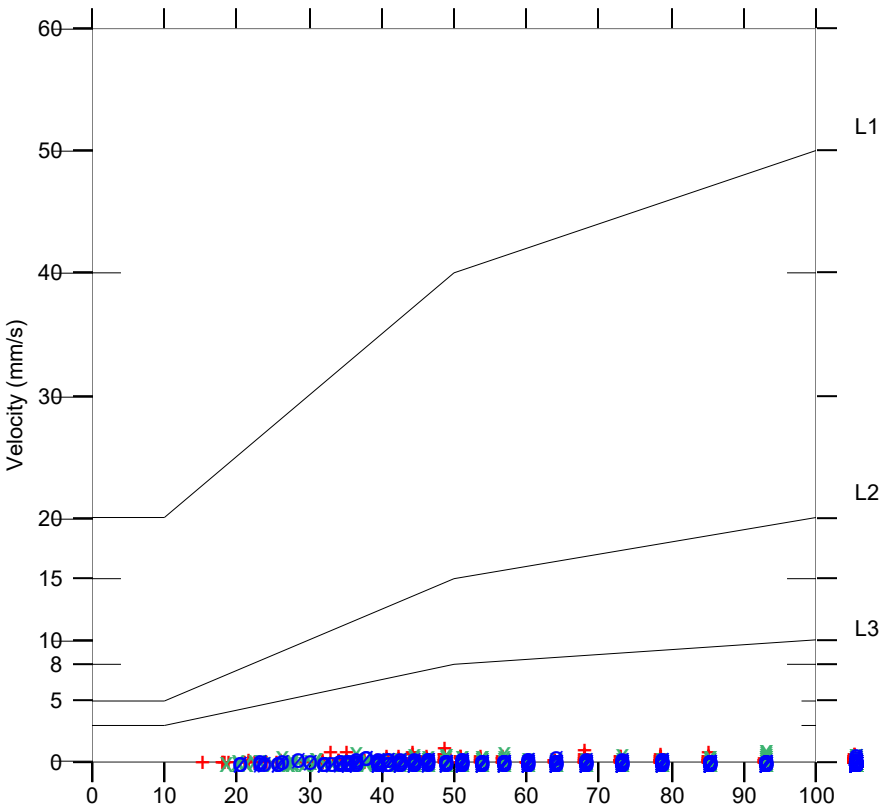
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

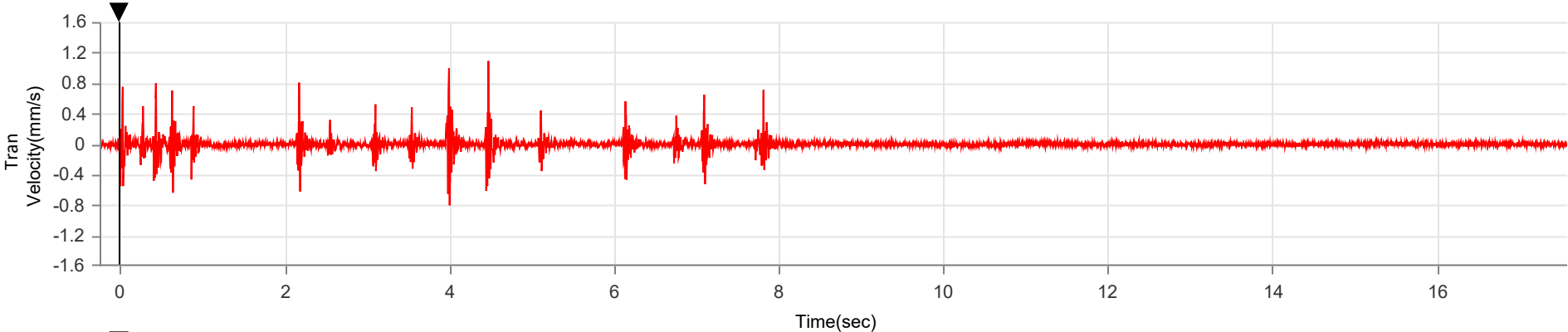
Tran	Vert	Long
1.088 mm/s	0.954 mm/s	0.575 mm/s
48.8 Hz	93.1 Hz	>100 Hz
4.476 sec	4.446 sec	3.988 sec
0.074 g	0.076 g	0.039 g
0.003 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.0	4.2	4.3

Peak Vector Sum 1.132 mm/s at 3.998 sec

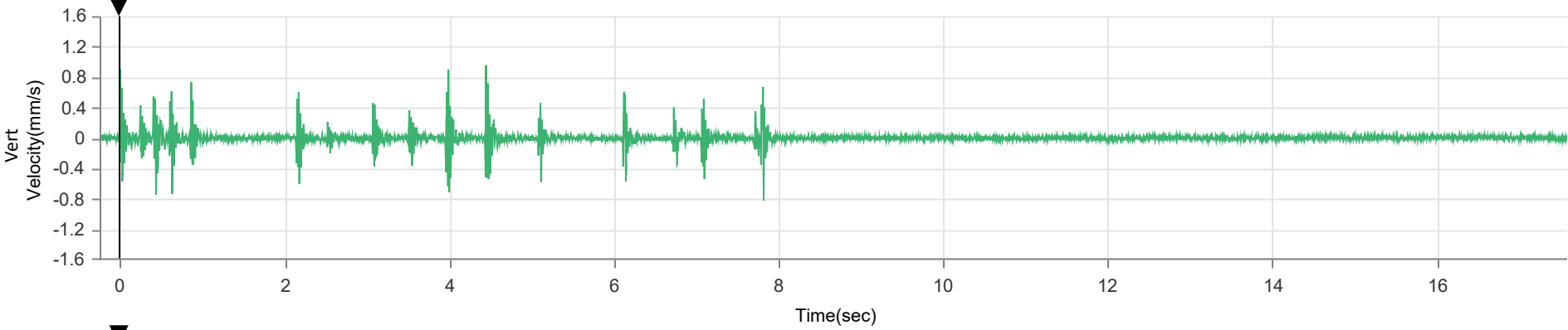
DIN4150
Velocity versus Frequency (Zero Crossing)



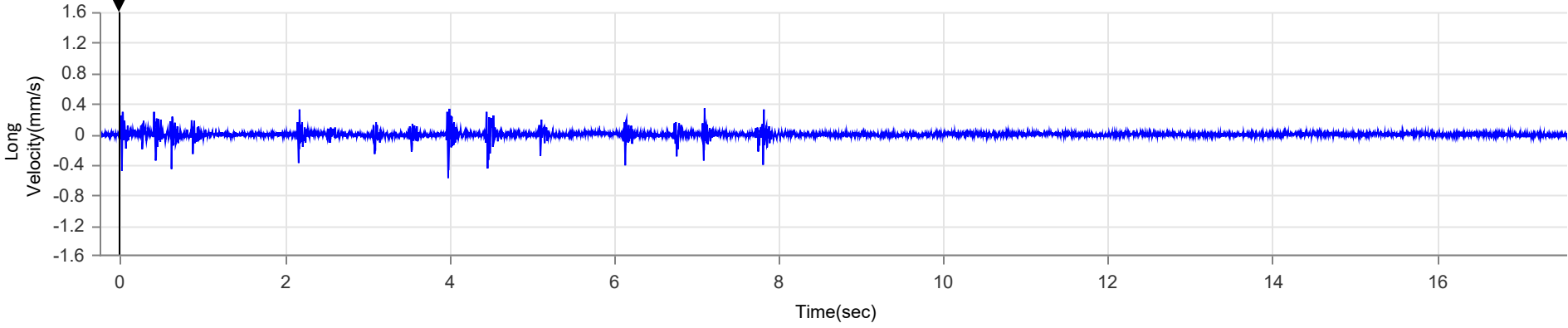
Sensor Check
+ Tran x Vert ø Long



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 14:19:07
Geo 0.500 mm/s
0.25 sec/17.5 sec (Auto)
2048 sps
factory.mmb
Operator

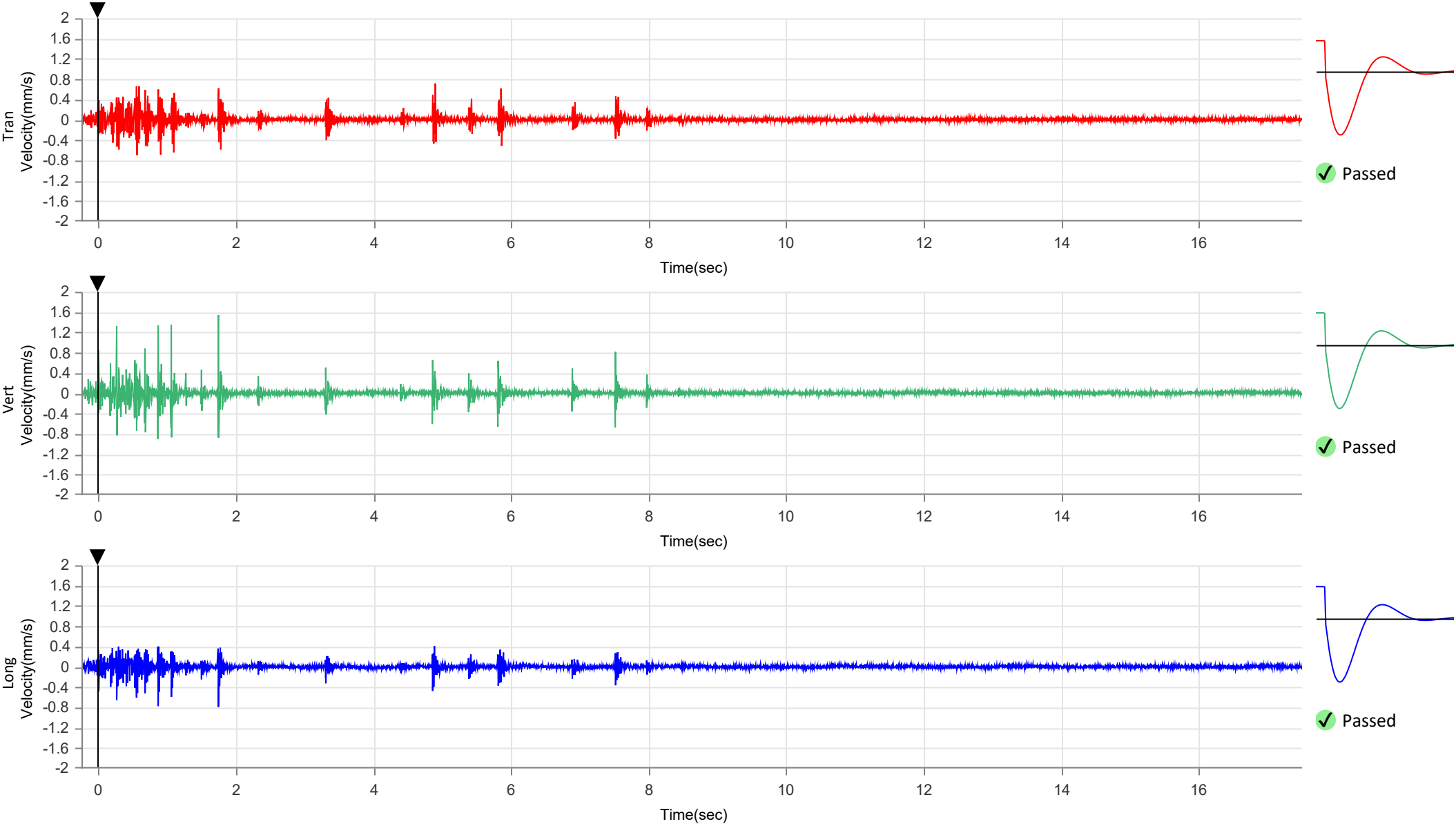
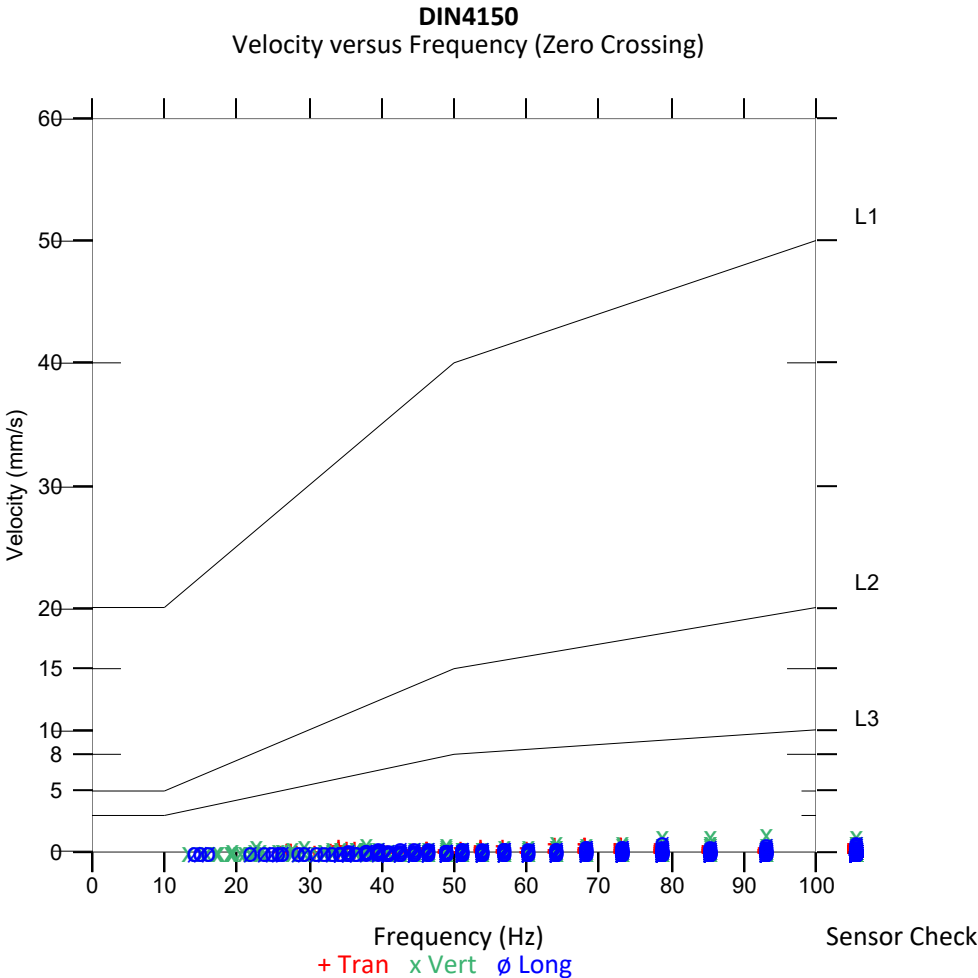
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221030141907.IDFW
Disabled

Notes
Location MM-19, Plavje 43b
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.717 mm/s	1.545 mm/s	0.788 mm/s
Zero Crossing Frequency	73.1 Hz	93.1 Hz	>100 Hz
Time (Relative to Trigger)	4.898 sec	1.743 sec	1.744 sec
Peak Acceleration	0.086 g	0.114 g	0.053 g
Peak Displacement	0.002 mm	0.003 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.0	4.2	4.3
Peak Vector Sum	1.606 mm/s at 1.743 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:44
Geo 0.500 mm/s
0.25 sec/18.5 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19274
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19274_20221031130444.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-19, Plavje 43b

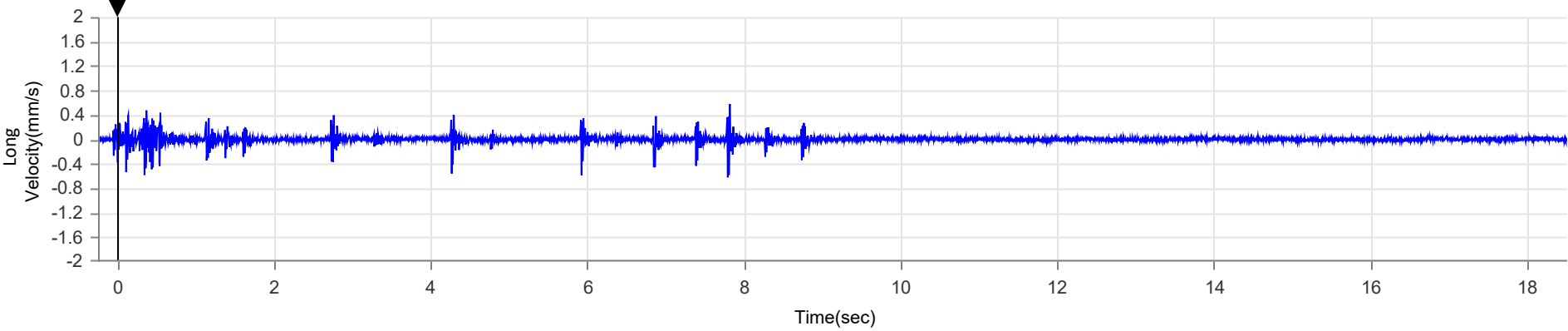
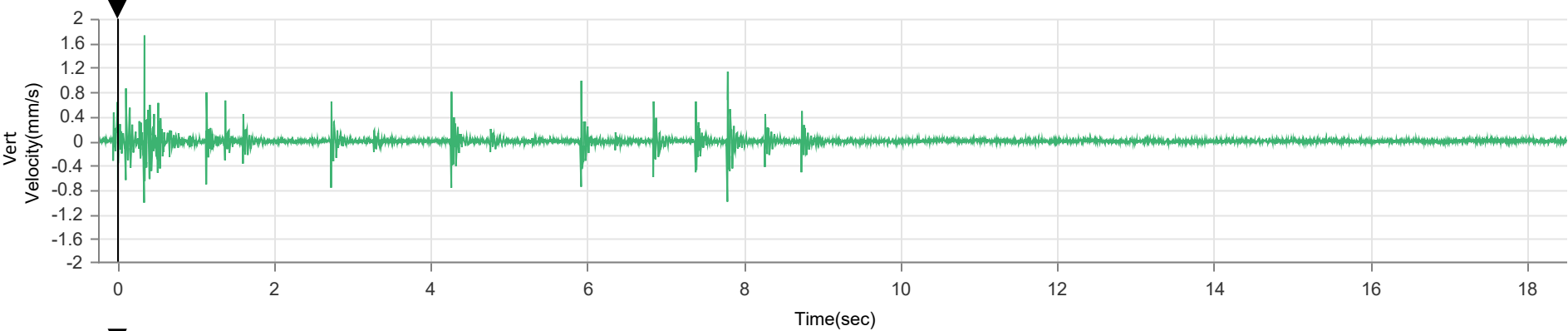
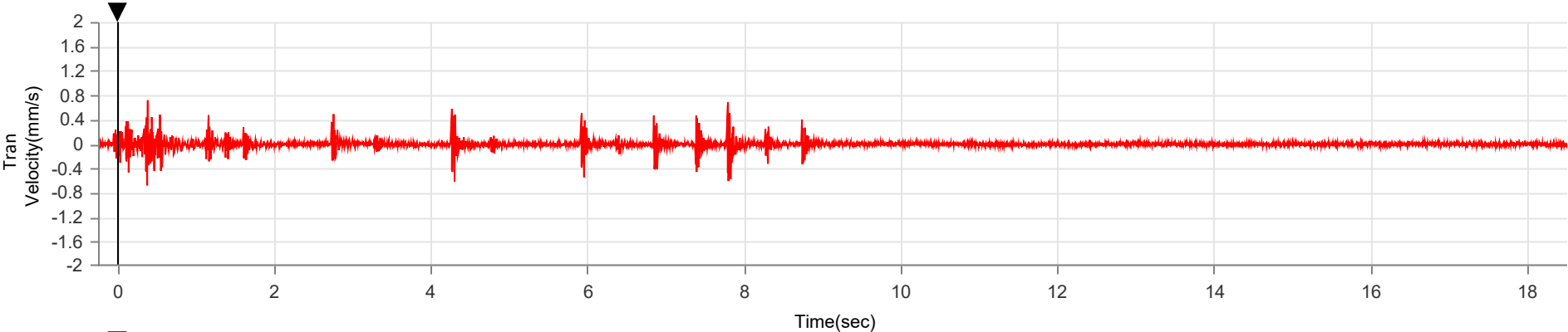
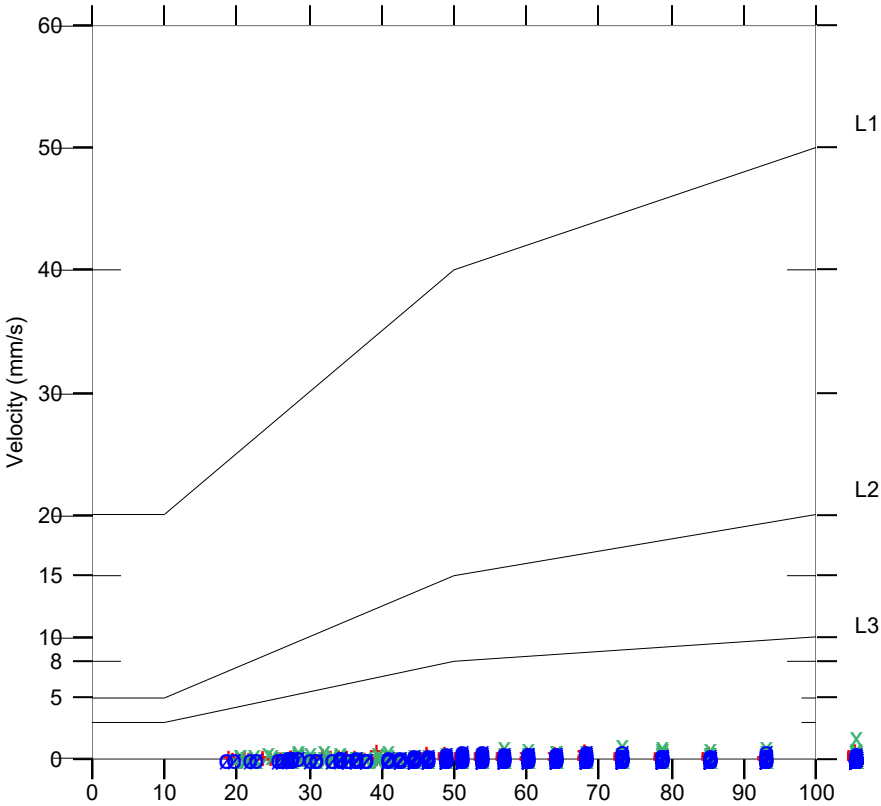
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.717 mm/s	1.726 mm/s	0.623 mm/s
39.4 Hz	>100 Hz	73.1 Hz
0.385 sec	0.343 sec	7.792 sec
0.086 g	0.112 g	0.043 g
0.002 mm	0.003 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.0	4.2	4.3

Peak Vector Sum 1.791 mm/s at 0.343 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



PRILOGA 1.8:
Rezultati meritev
- MM-20 (Plavje 42) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 11:30:11
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
2048 sps
factory.mmb
Operator

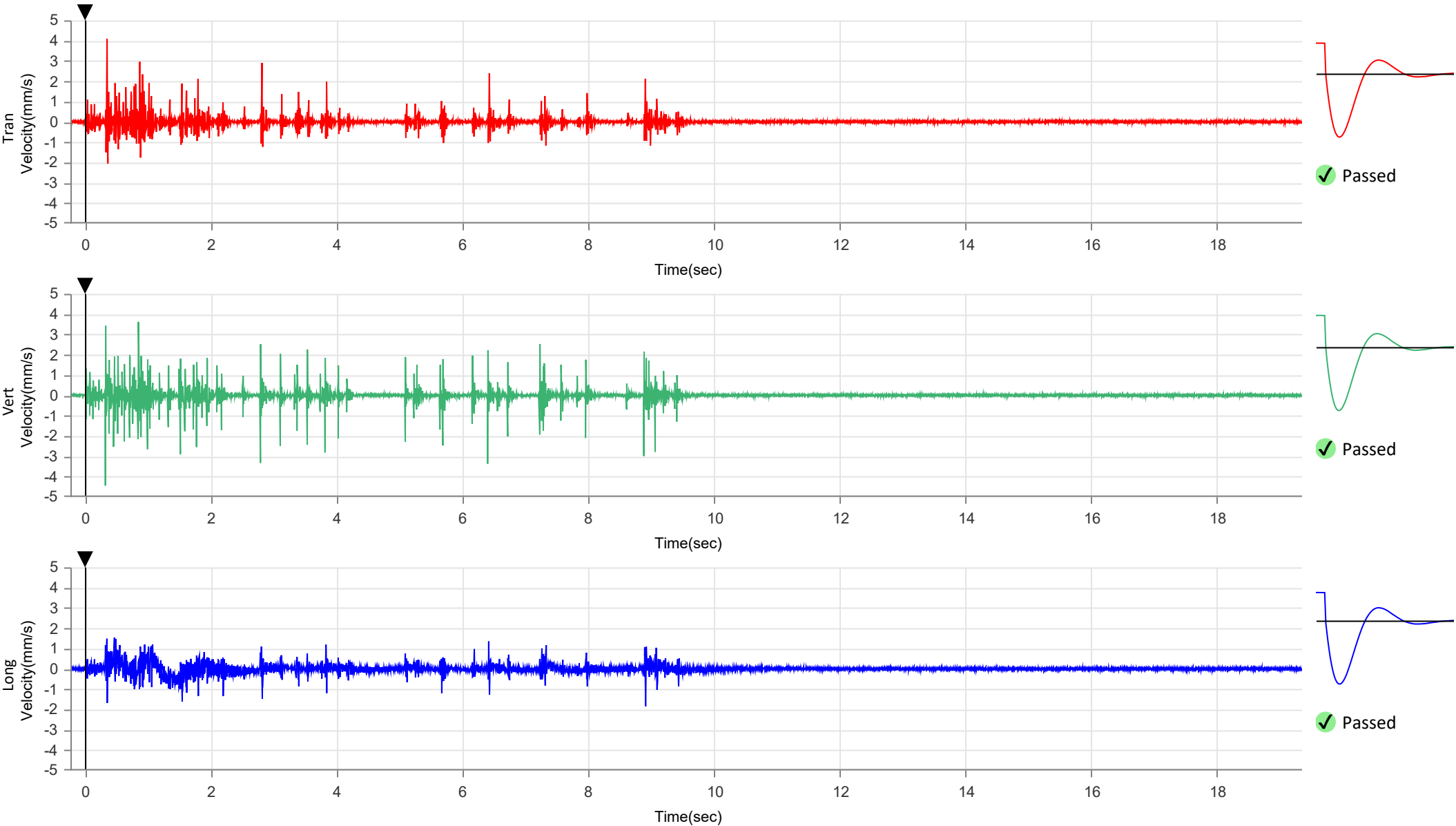
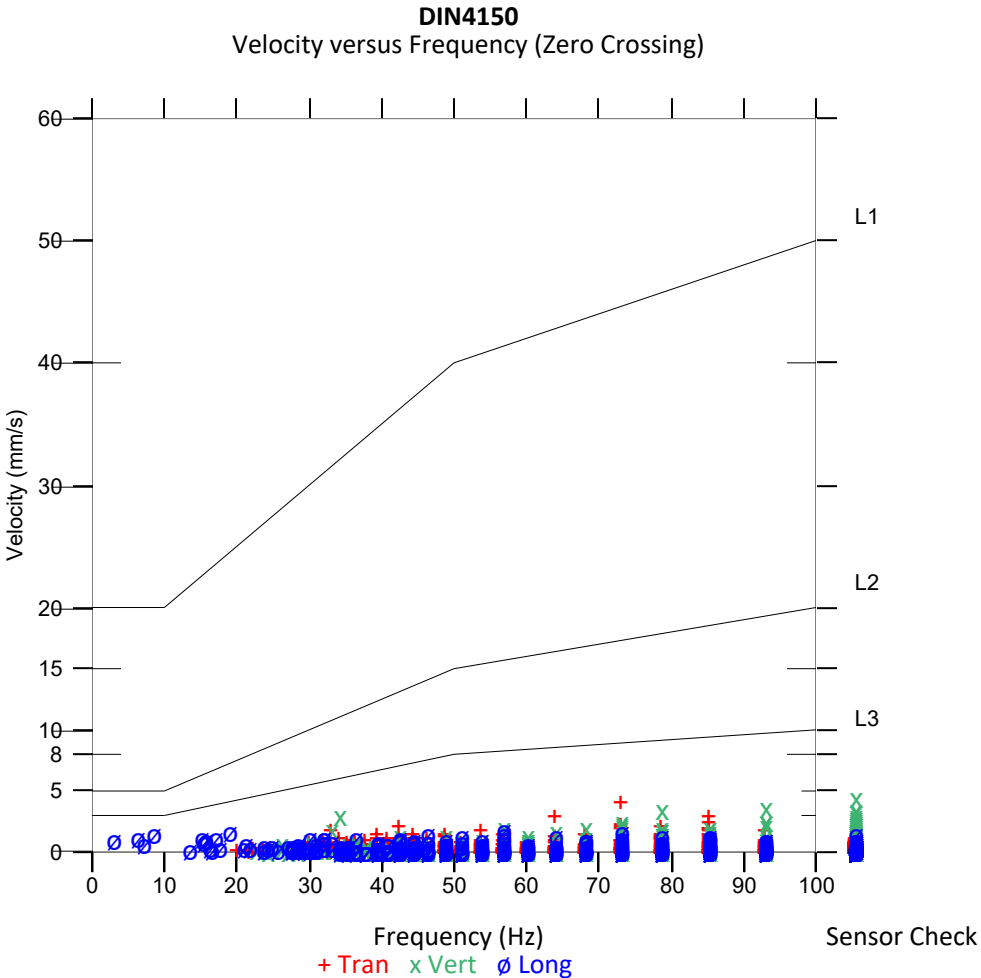
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221024113011.IDFW
Disabled

Notes
Location MM-20, Plavje 42
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	4.083 mm/s	4.445 mm/s	1.836 mm/s
Zero Crossing Frequency	73.1 Hz	>100 Hz	56.9 Hz
Time (Relative to Trigger)	0.333 sec	0.308 sec	8.906 sec
Peak Acceleration	0.193 g	0.385 g	0.107 g
Peak Displacement	0.008 mm	0.006 mm	0.041 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	4.467 mm/s at 0.308 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 09:21:34
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

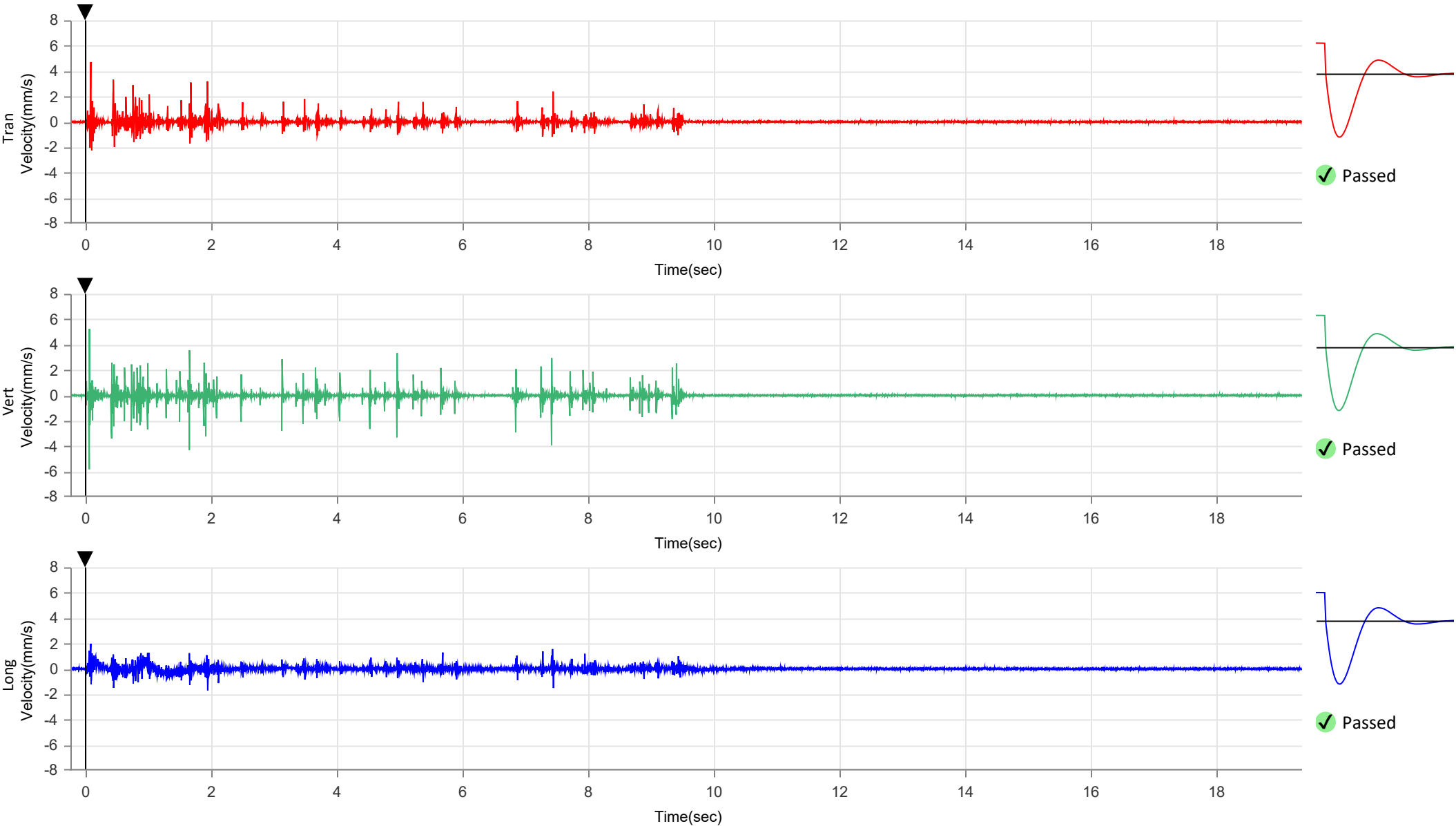
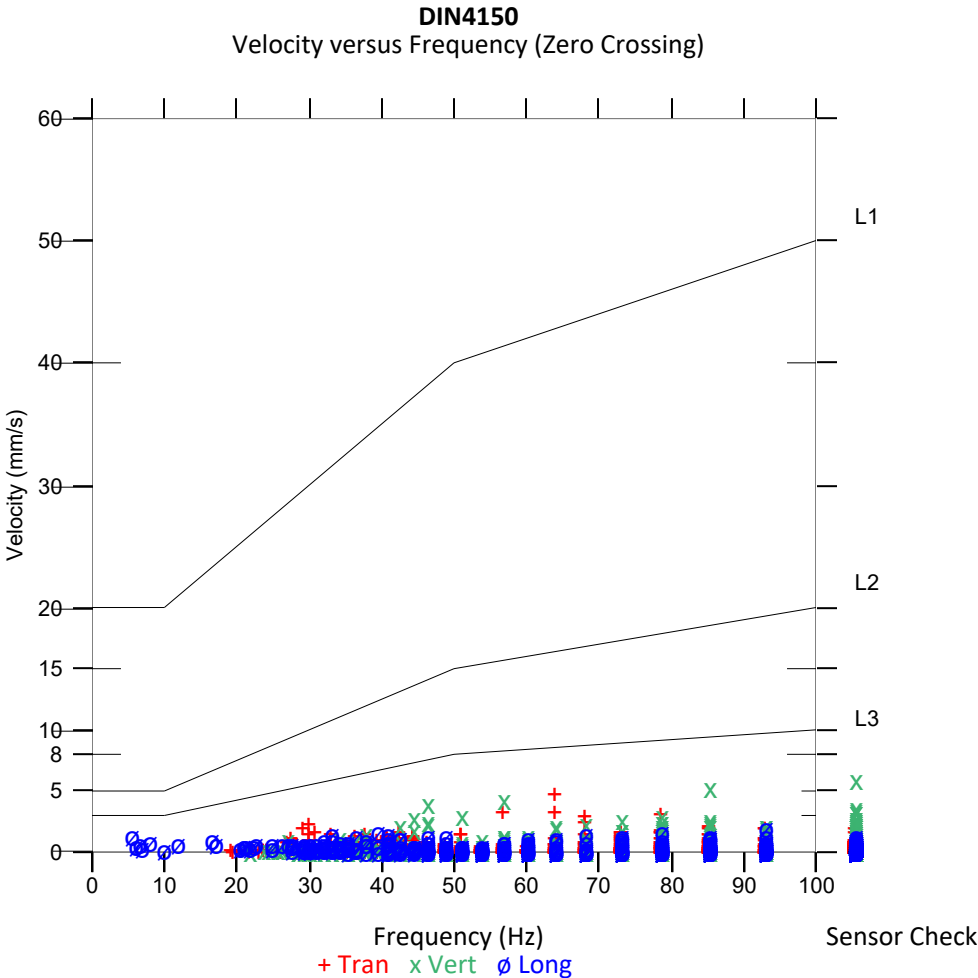
UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221025092134.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	4.713 mm/s	5.817 mm/s	1.986 mm/s
Zero Crossing Frequency	64.0 Hz	>100 Hz	93.1 Hz
Time (Relative to Trigger)	0.076 sec	0.050 sec	0.075 sec
Peak Acceleration	0.188 g	0.469 g	0.166 g
Peak Displacement	0.011 mm	0.009 mm	0.025 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	5.856 mm/s at 0.050 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 11:12:52
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

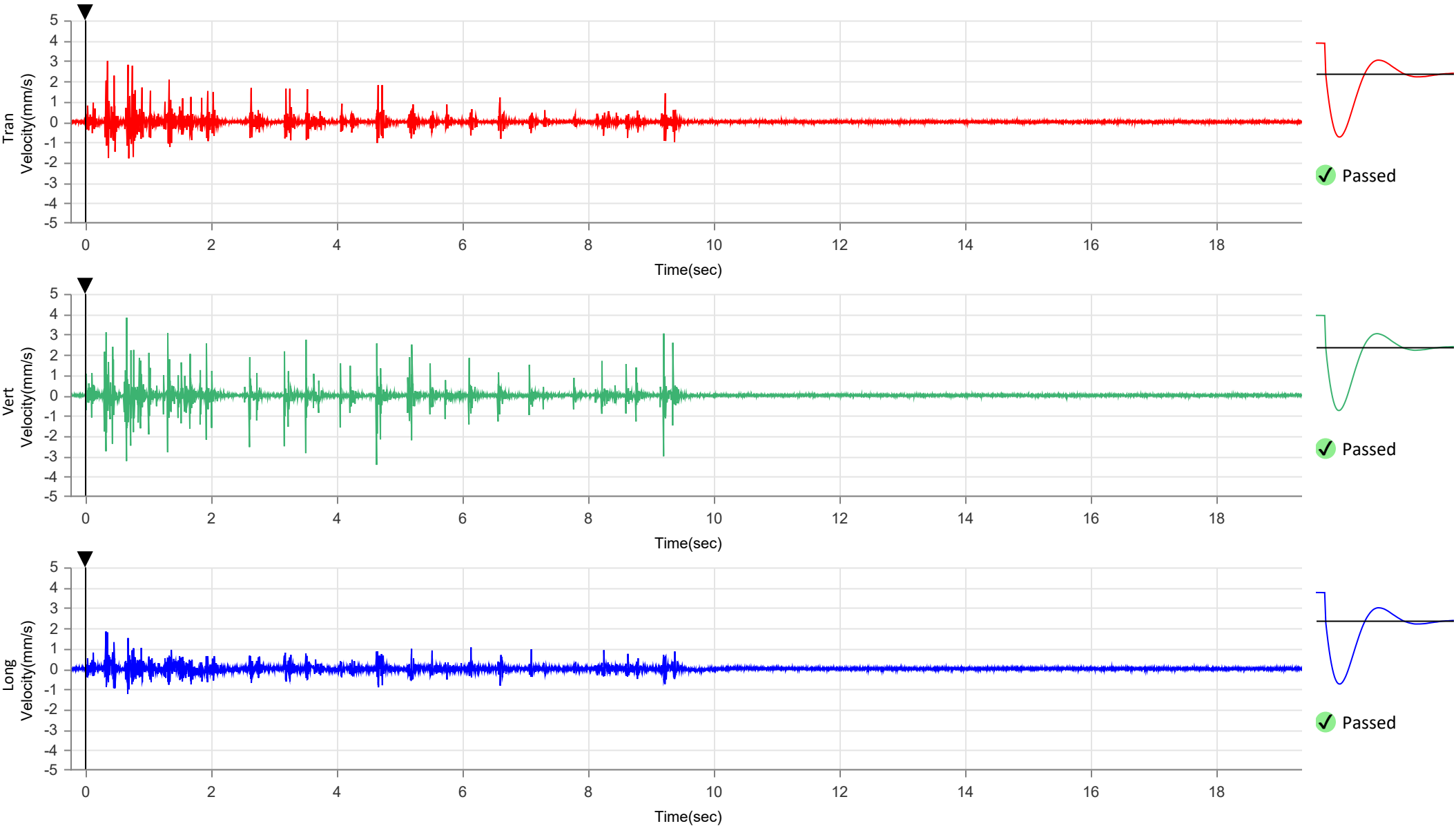
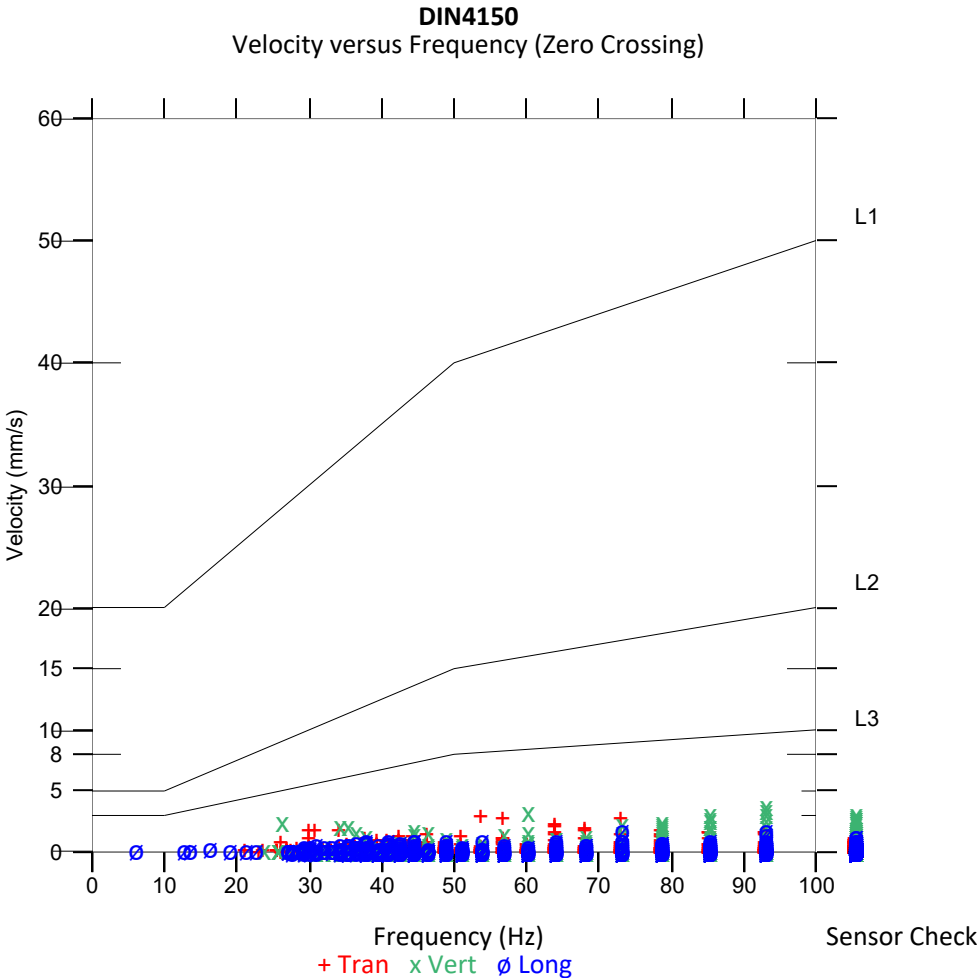
UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221026111252.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	3.003 mm/s	3.831 mm/s	1.844 mm/s
Zero Crossing Frequency	53.9 Hz	93.1 Hz	93.1 Hz
Time (Relative to Trigger)	0.342 sec	0.647 sec	0.317 sec
Peak Acceleration	0.132 g	0.359 g	0.105 g
Peak Displacement	0.007 mm	0.006 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	3.859 mm/s at 0.647 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 16:42:57
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
2048 sps
factory.mmb
Operator

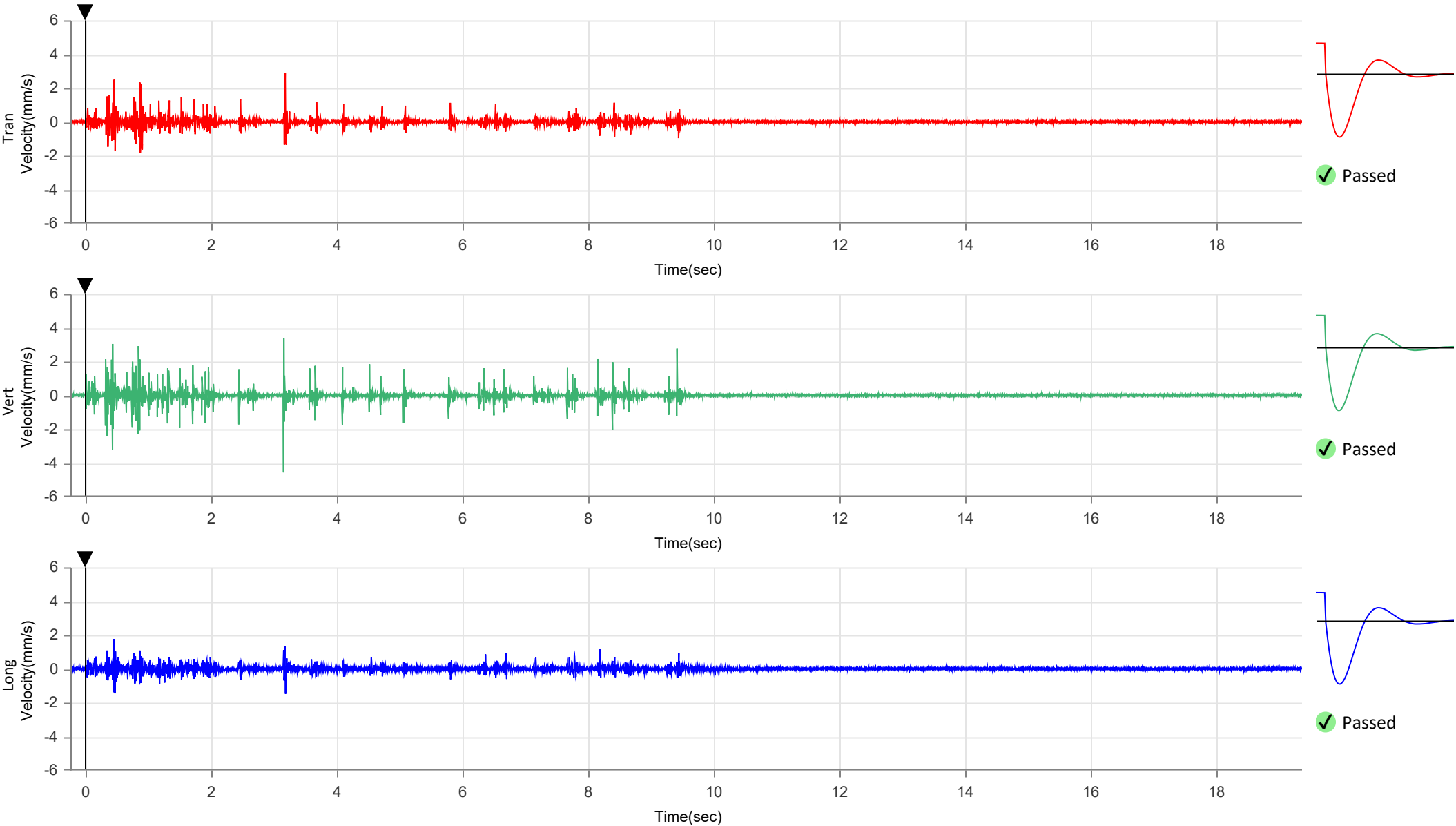
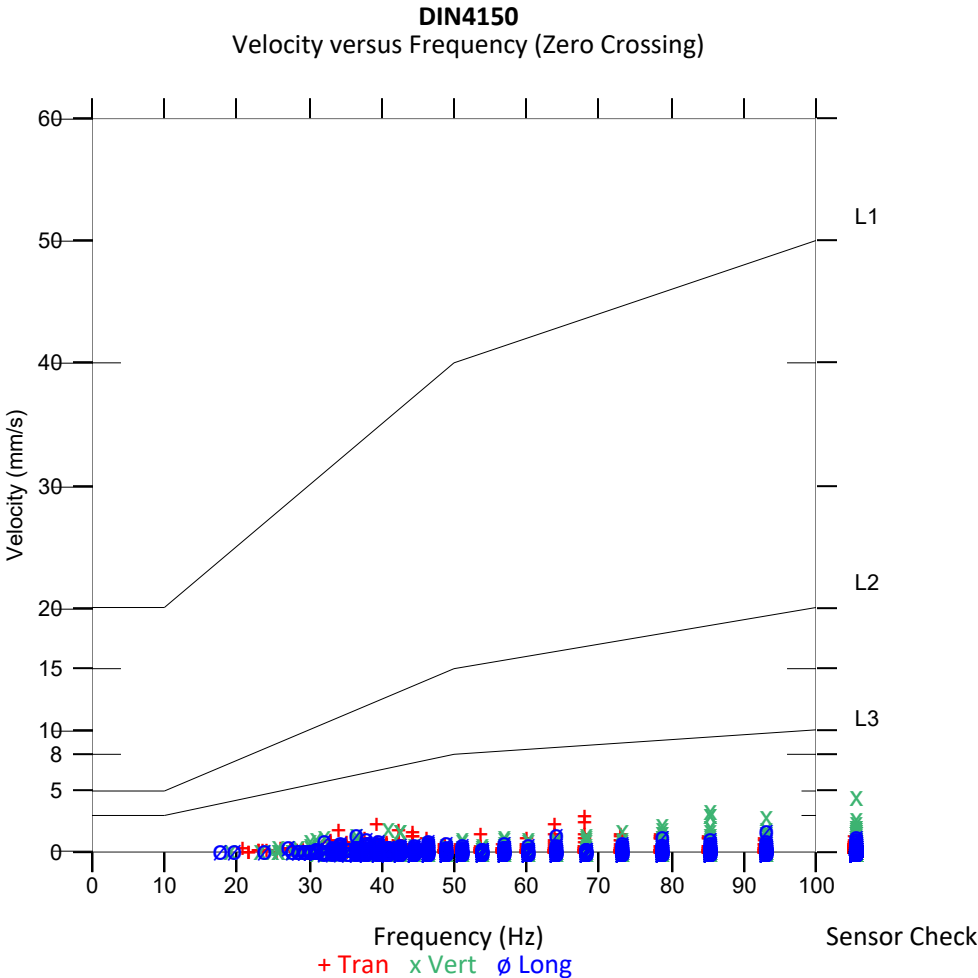
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221026164257.IDFW
Disabled

Notes
Location MM-20, Plavje 42
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.916 mm/s	4.556 mm/s	1.766 mm/s
Zero Crossing Frequency	68.3 Hz	>100 Hz	93.1 Hz
Time (Relative to Trigger)	3.175 sec	3.148 sec	0.448 sec
Peak Acceleration	0.120 g	0.423 g	0.118 g
Peak Displacement	0.007 mm	0.006 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	4.570 mm/s at 3.148 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 11:57:28
Geo 0.500 mm/s
0.25 sec/19.3 sec (Auto)
2048 sps
factory.mmb
Operator

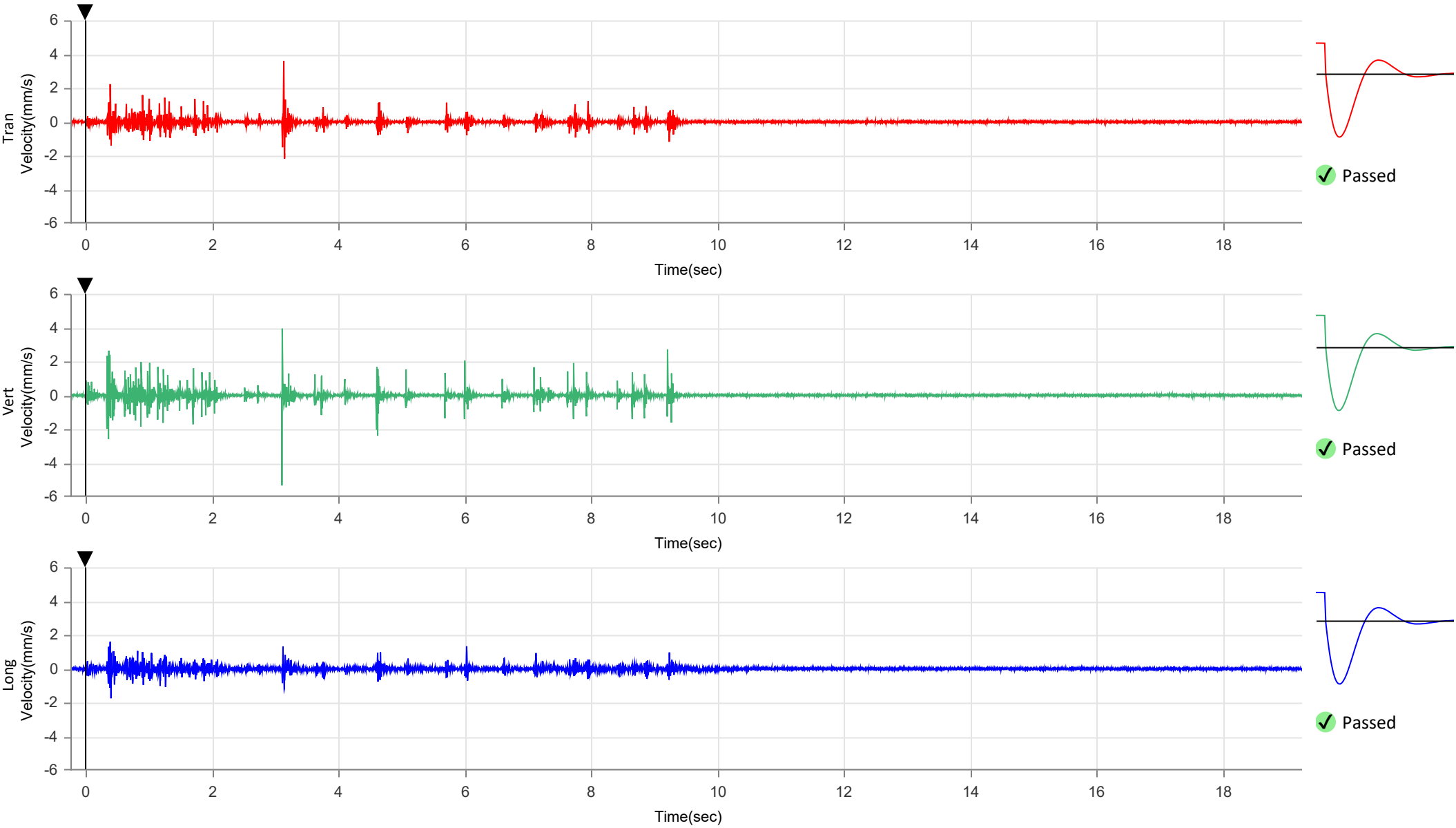
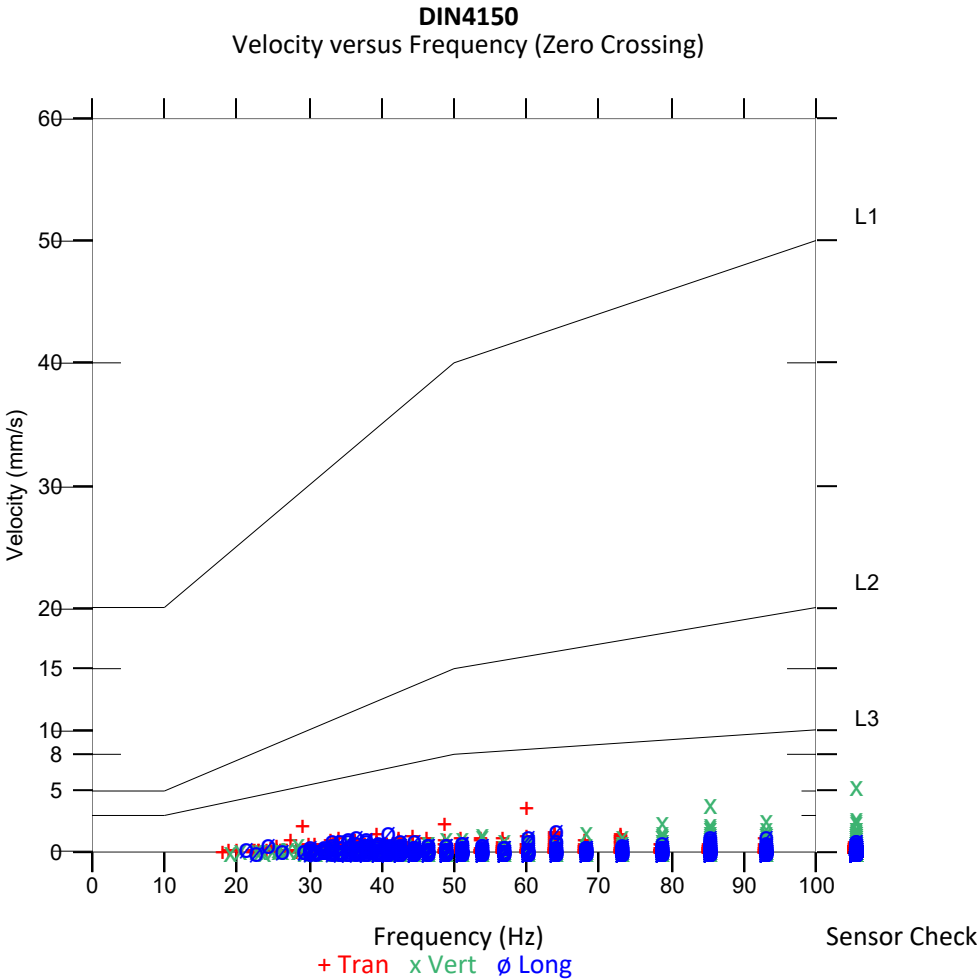
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221027115728.IDFW
Disabled

Notes
Location MM-20, Plavje 42
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	3.602 mm/s	5.320 mm/s	1.742 mm/s
Zero Crossing Frequency	56.9 Hz	>100 Hz	68.3 Hz
Time (Relative to Trigger)	3.129 sec	3.101 sec	0.394 sec
Peak Acceleration	0.153 g	0.441 g	0.092 g
Peak Displacement	0.009 mm	0.008 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	5.371 mm/s at 3.101 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 13:04:37
Geo 0.500 mm/s
0.25 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221027130437.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

Post Event Notes No text to be displayed.

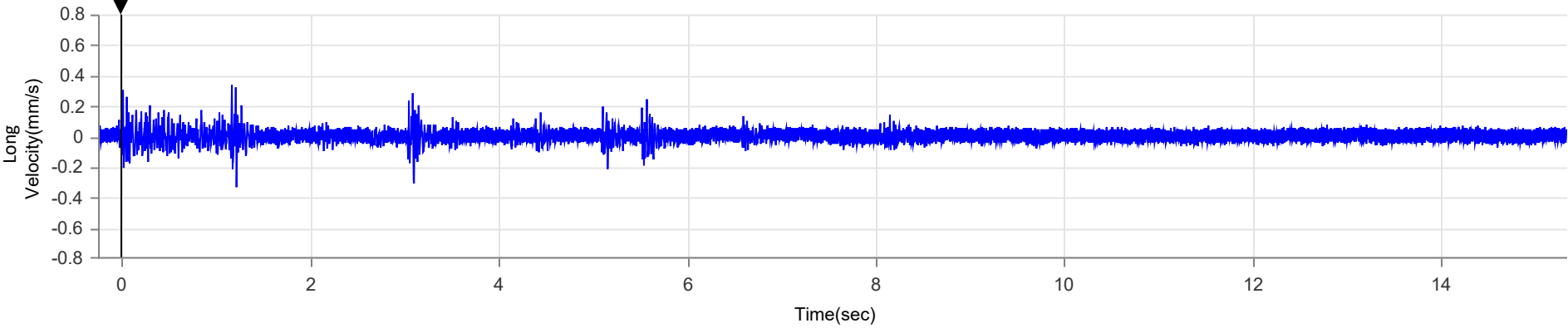
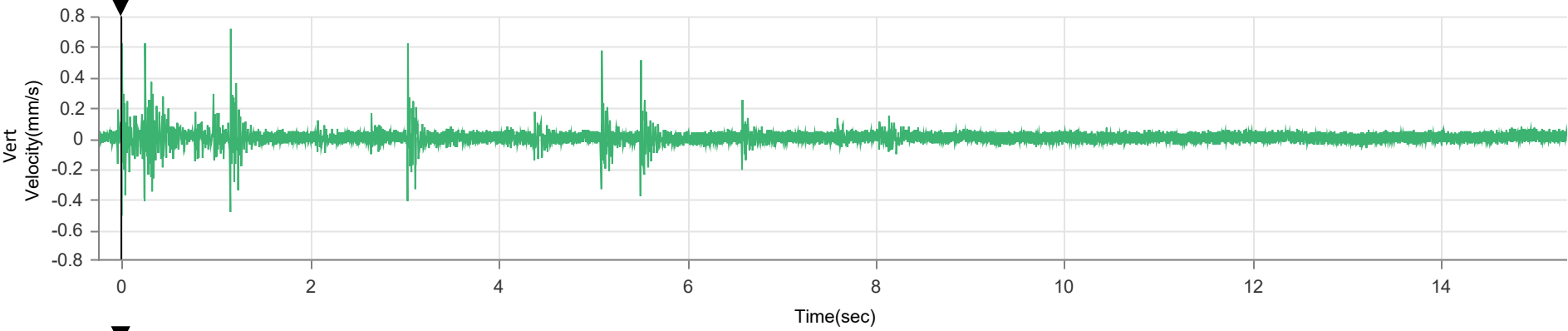
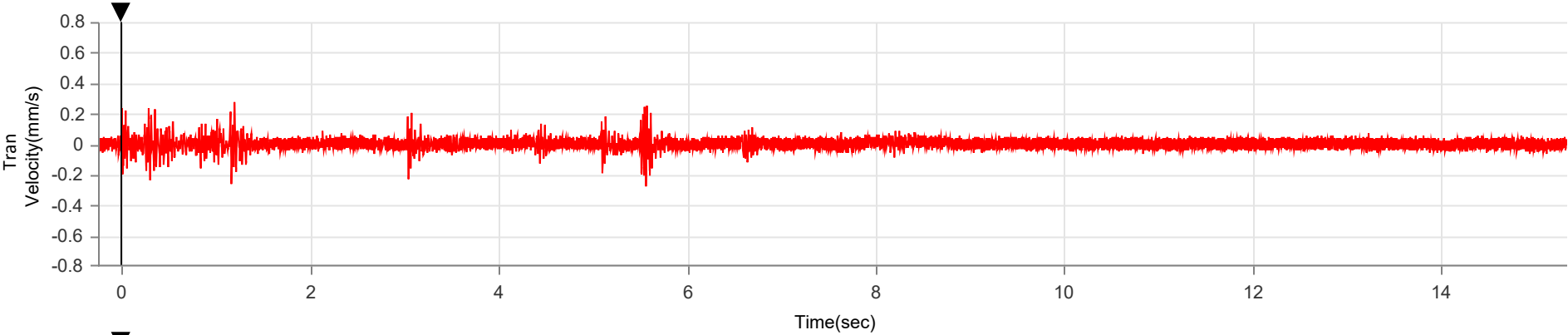
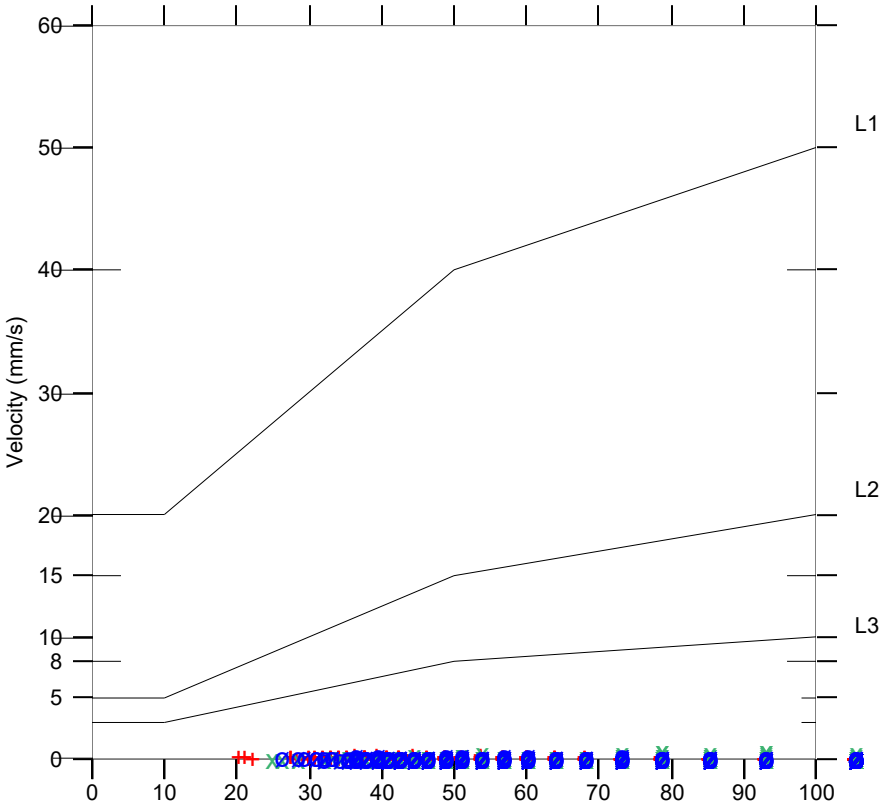
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.276 mm/s	0.717 mm/s	0.339 mm/s
53.9 Hz	78.8 Hz	73.1 Hz
1.199 sec	1.160 sec	1.170 sec
0.013 g	0.043 g	0.018 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.1 Hz	7.5 Hz	7.1 Hz
4.4	4.4	4.6

Peak Vector Sum 0.740 mm/s at 1.160 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 11:58:31
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
2048 sps
factory.mmb
Operator

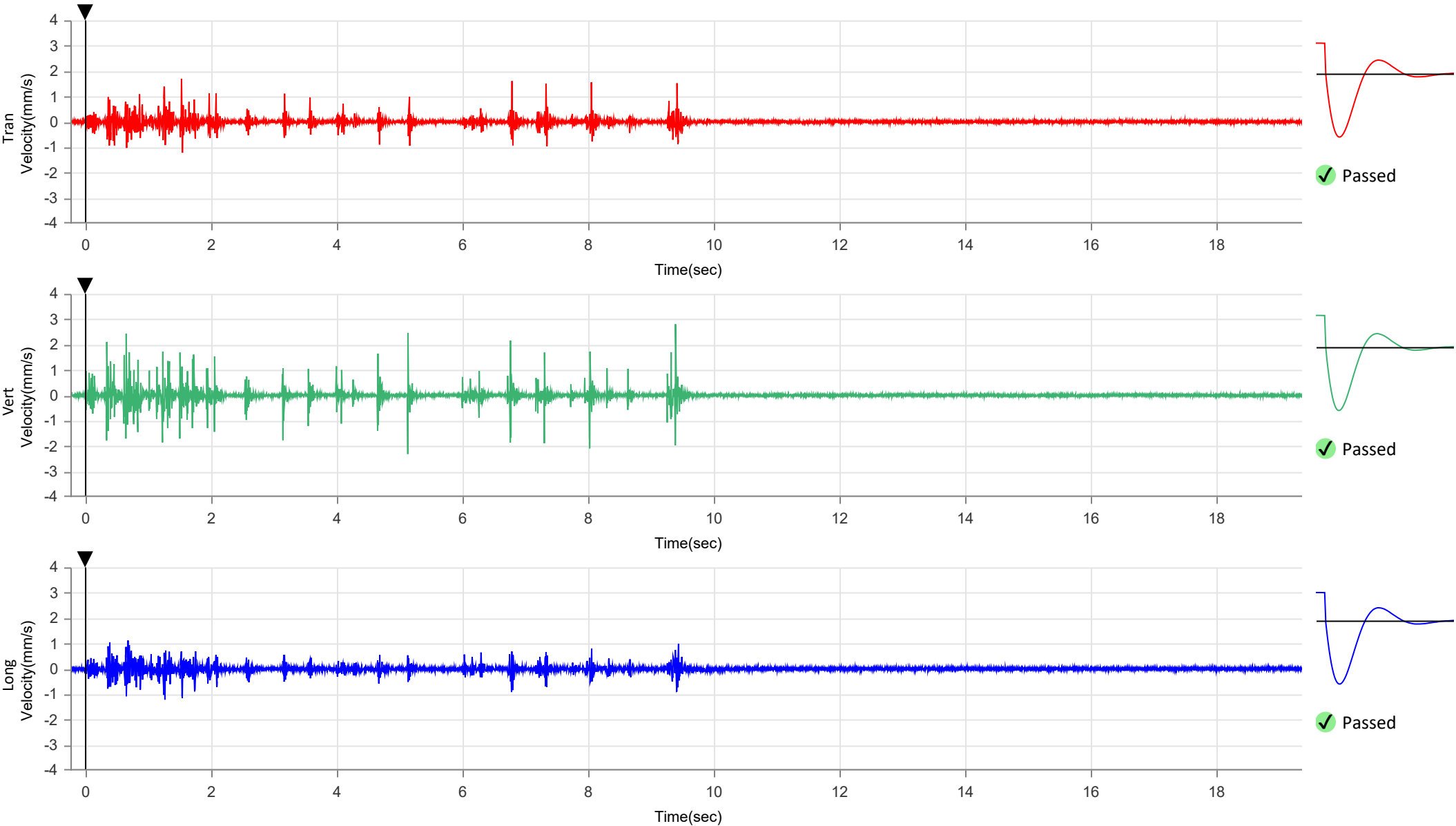
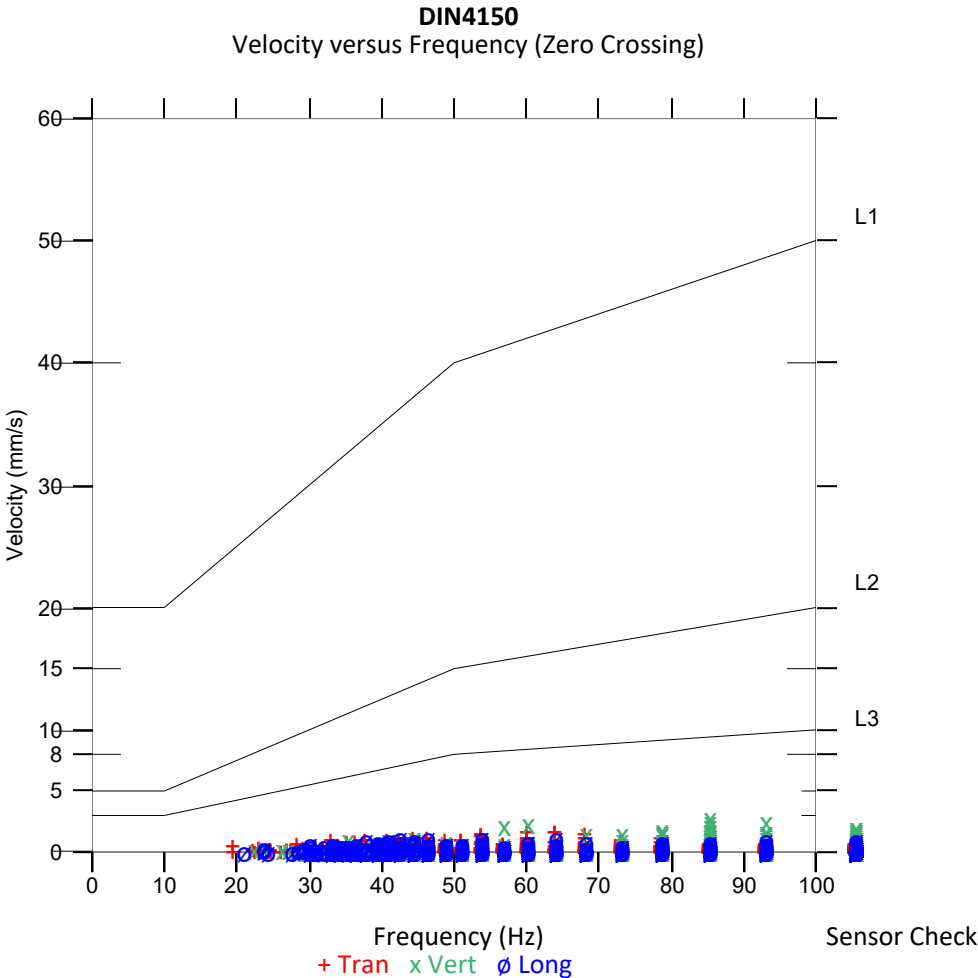
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221028115831.IDFW
Disabled

Notes
Location MM-20, Plavje 42
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.702 mm/s	2.806 mm/s	1.214 mm/s
Zero Crossing Frequency	60.2 Hz	85.3 Hz	51.2 Hz
Time (Relative to Trigger)	1.521 sec	9.393 sec	1.258 sec
Peak Acceleration	0.076 g	0.202 g	0.058 g
Peak Displacement	0.004 mm	0.005 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	2.814 mm/s at 9.393 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:06
Geo 0.500 mm/s
0.25 sec/14.1 sec (Auto)
2048 sps
factory.mmb
Operator

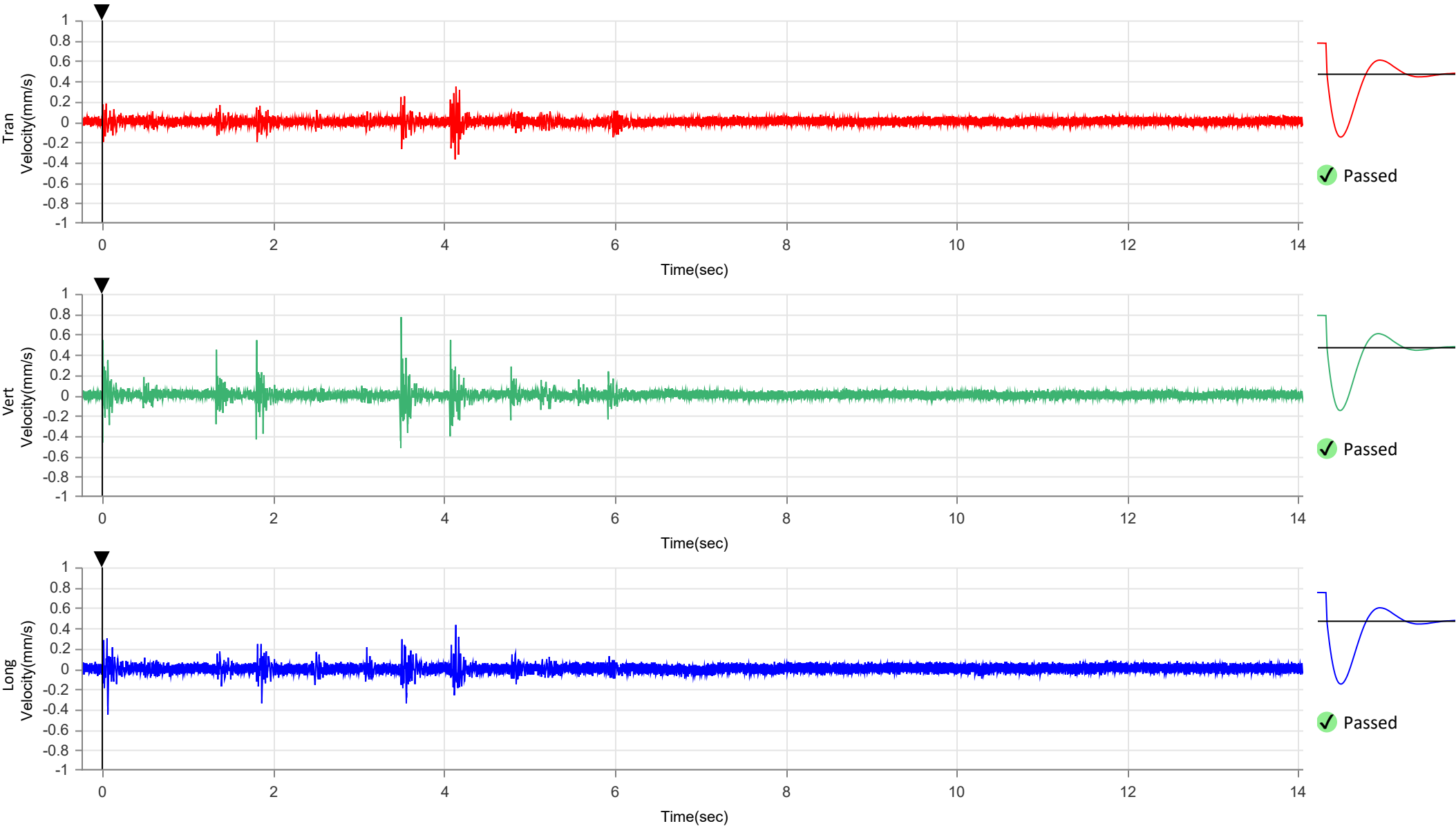
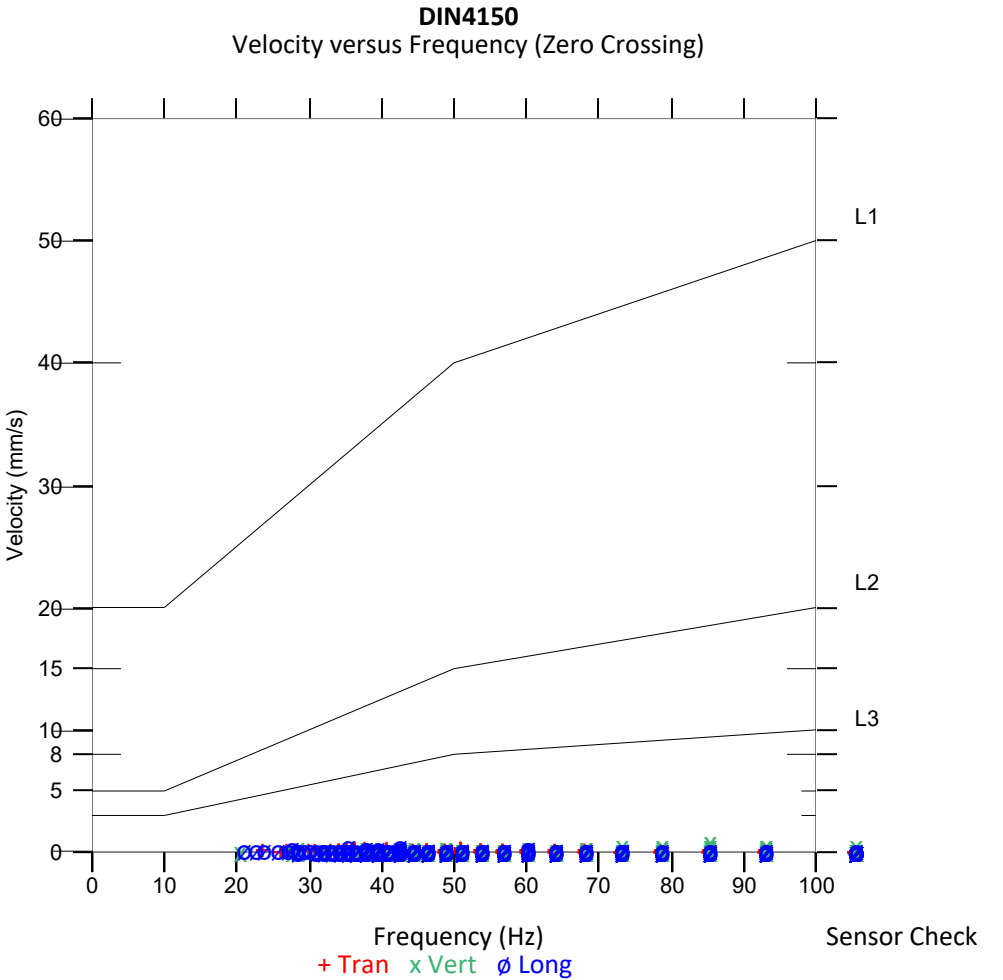
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221028163106.IDFW
Disabled

Notes
Location MM-20, Plavje 42
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.370 mm/s	0.772 mm/s	0.449 mm/s
Zero Crossing Frequency	36.6 Hz	85.3 Hz	35.3 Hz
Time (Relative to Trigger)	4.127 sec	3.495 sec	0.060 sec
Peak Acceleration	0.018 g	0.049 g	0.016 g
Peak Displacement	0.001 mm	0.001 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	0.806 mm/s at 3.495 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 09:43:41
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

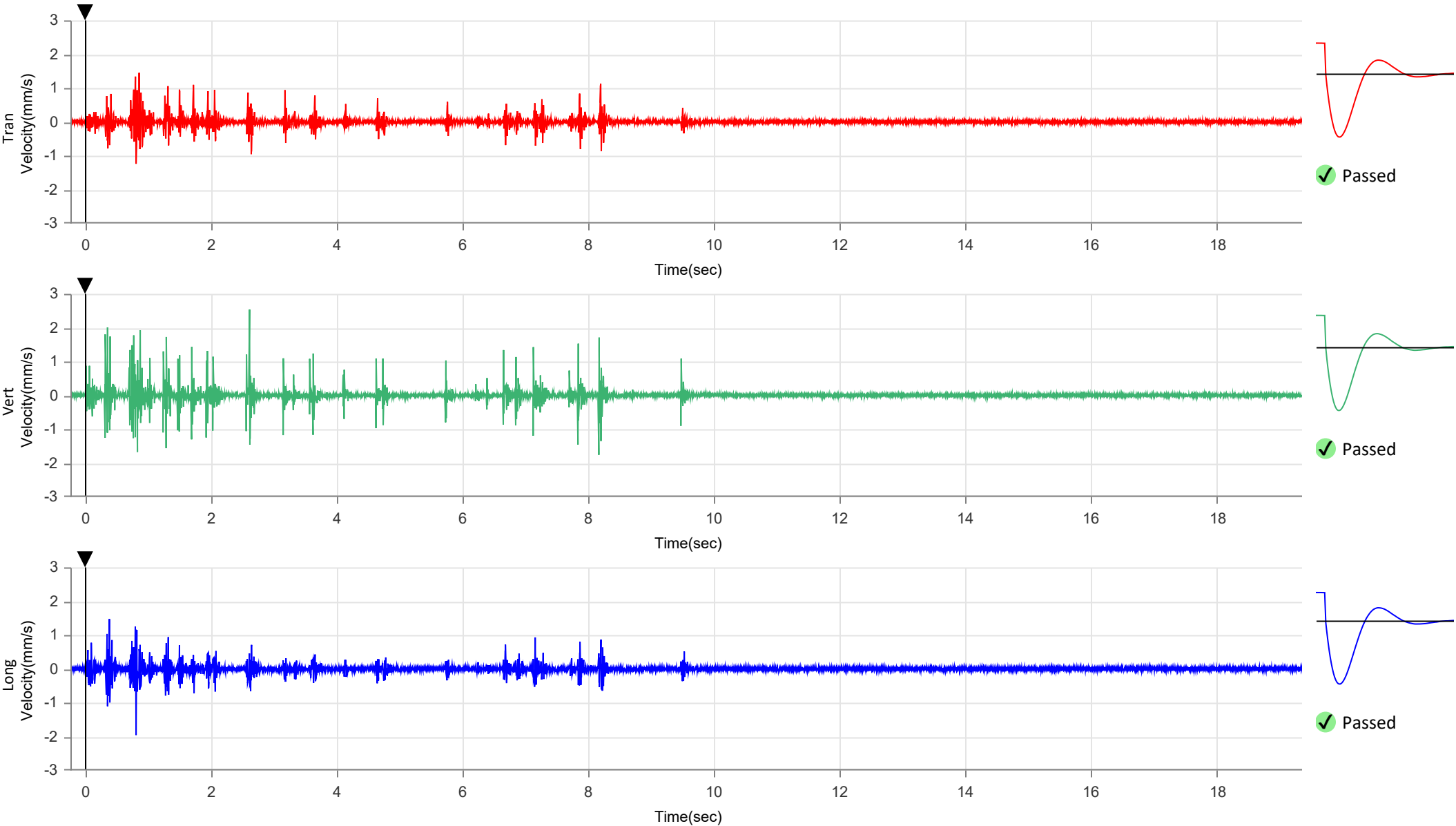
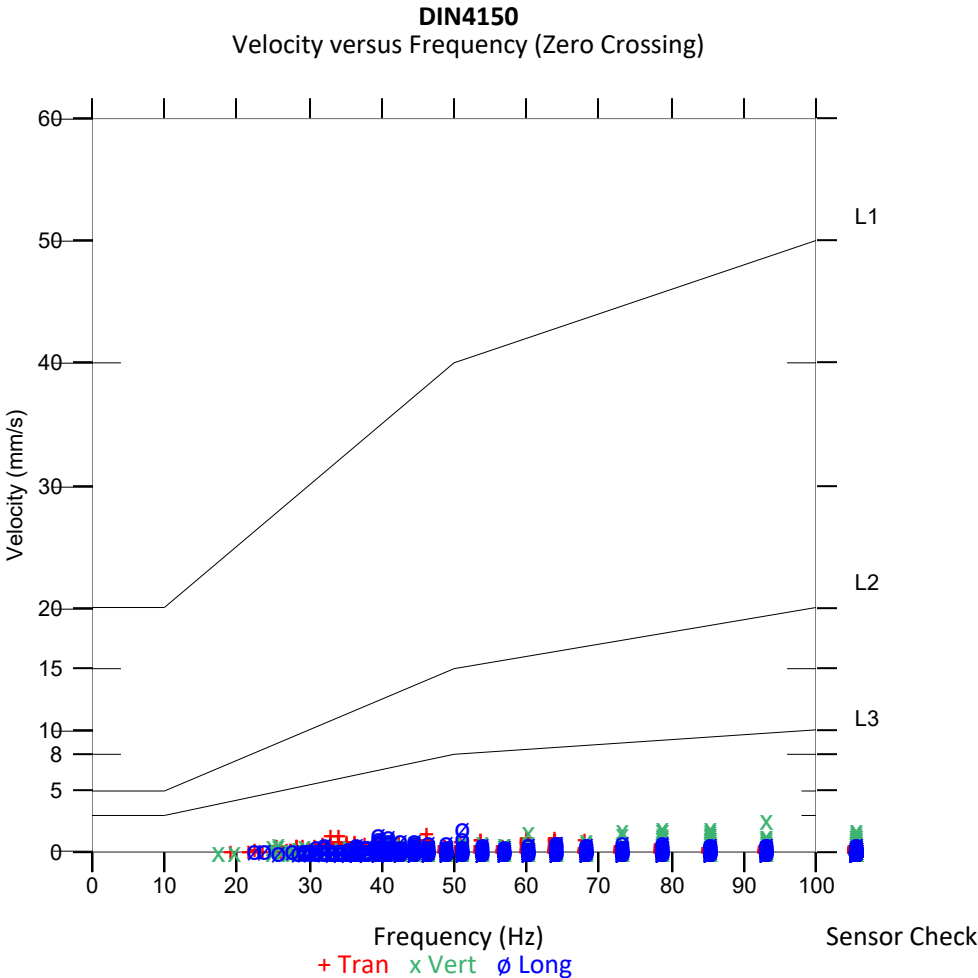
UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221029094341.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.450 mm/s	2.538 mm/s	1.955 mm/s
Zero Crossing Frequency	46.5 Hz	93.1 Hz	51.2 Hz
Time (Relative to Trigger)	0.846 sec	2.603 sec	0.795 sec
Peak Acceleration	0.076 g	0.178 g	0.079 g
Peak Displacement	0.006 mm	0.004 mm	0.006 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	2.577 mm/s at 2.603 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 12:17:01
Geo 0.500 mm/s
0.25 sec/10.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221029121701.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

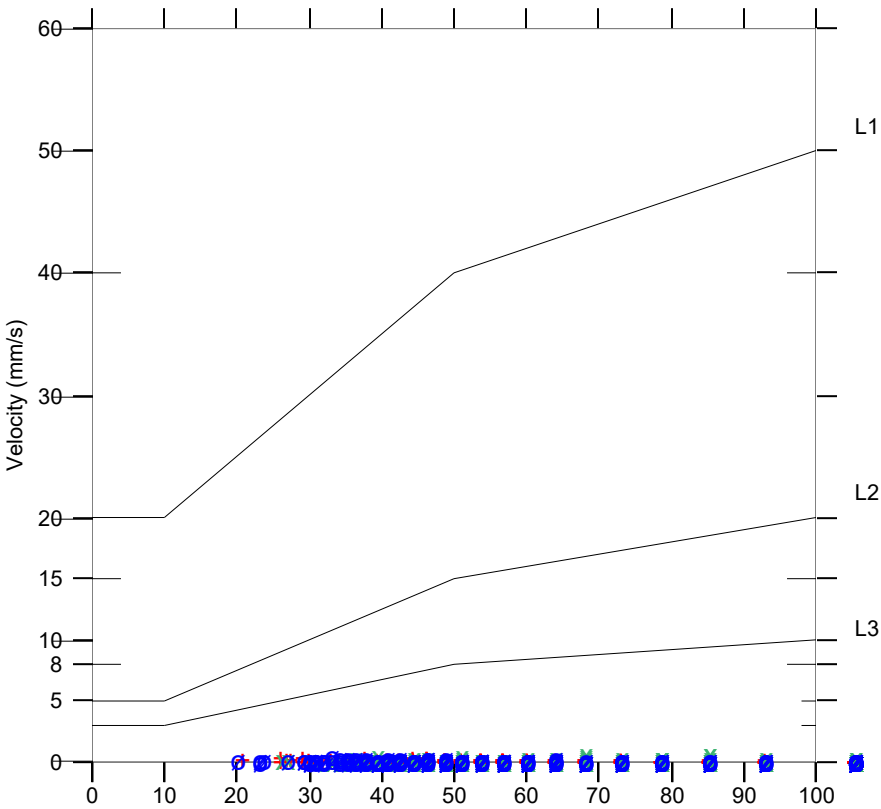
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

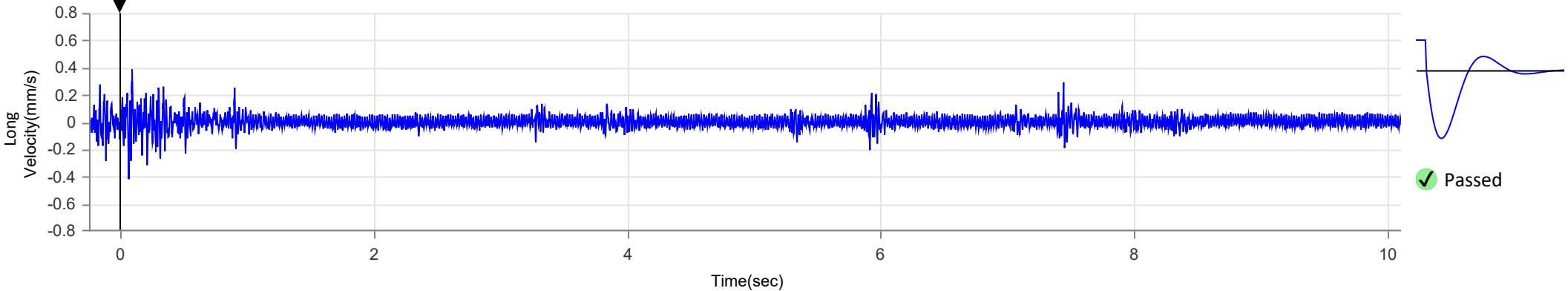
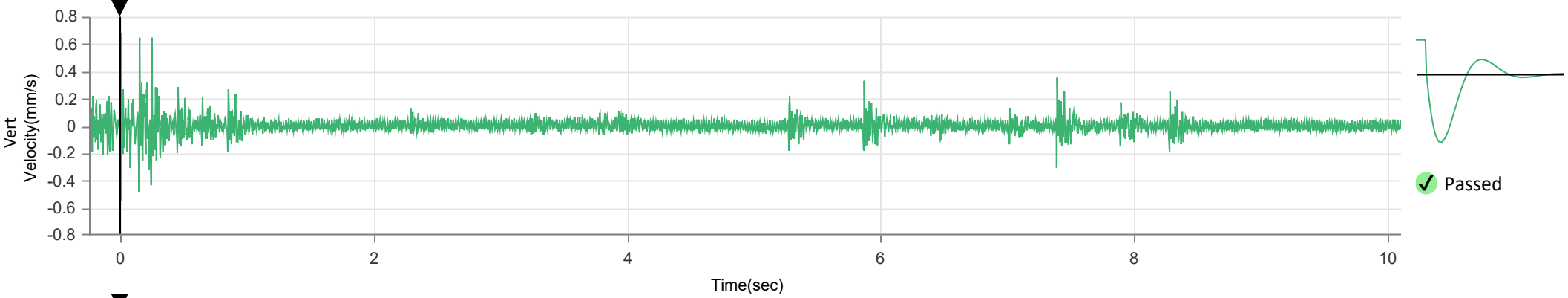
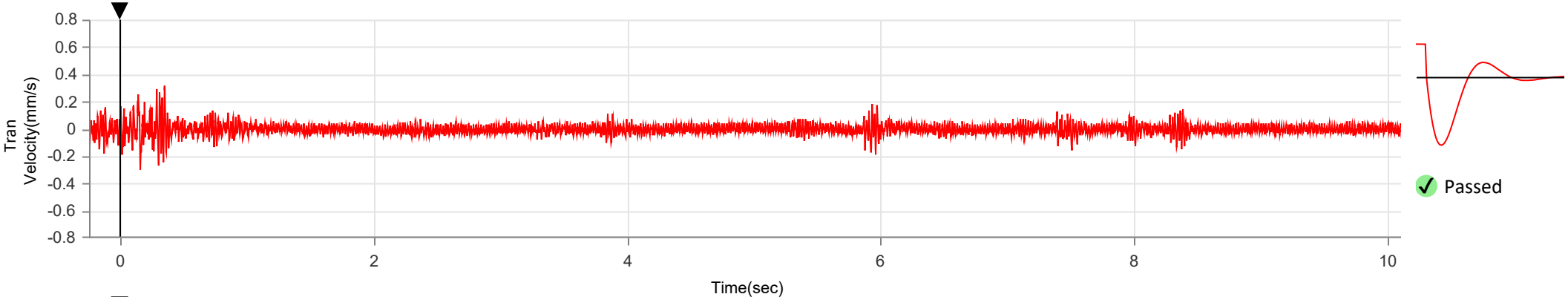
Tran	Vert	Long
0.315 mm/s	0.678 mm/s	0.418 mm/s
46.5 Hz	85.3 Hz	33.0 Hz
0.347 sec	0.004 sec	0.063 sec
0.015 g	0.044 g	0.016 g
0.001 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.1 Hz	7.5 Hz	7.1 Hz
4.4	4.4	4.6

Peak Vector Sum 0.693 mm/s at 0.004 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:33
Geo 0.500 mm/s
0.25 sec/19.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

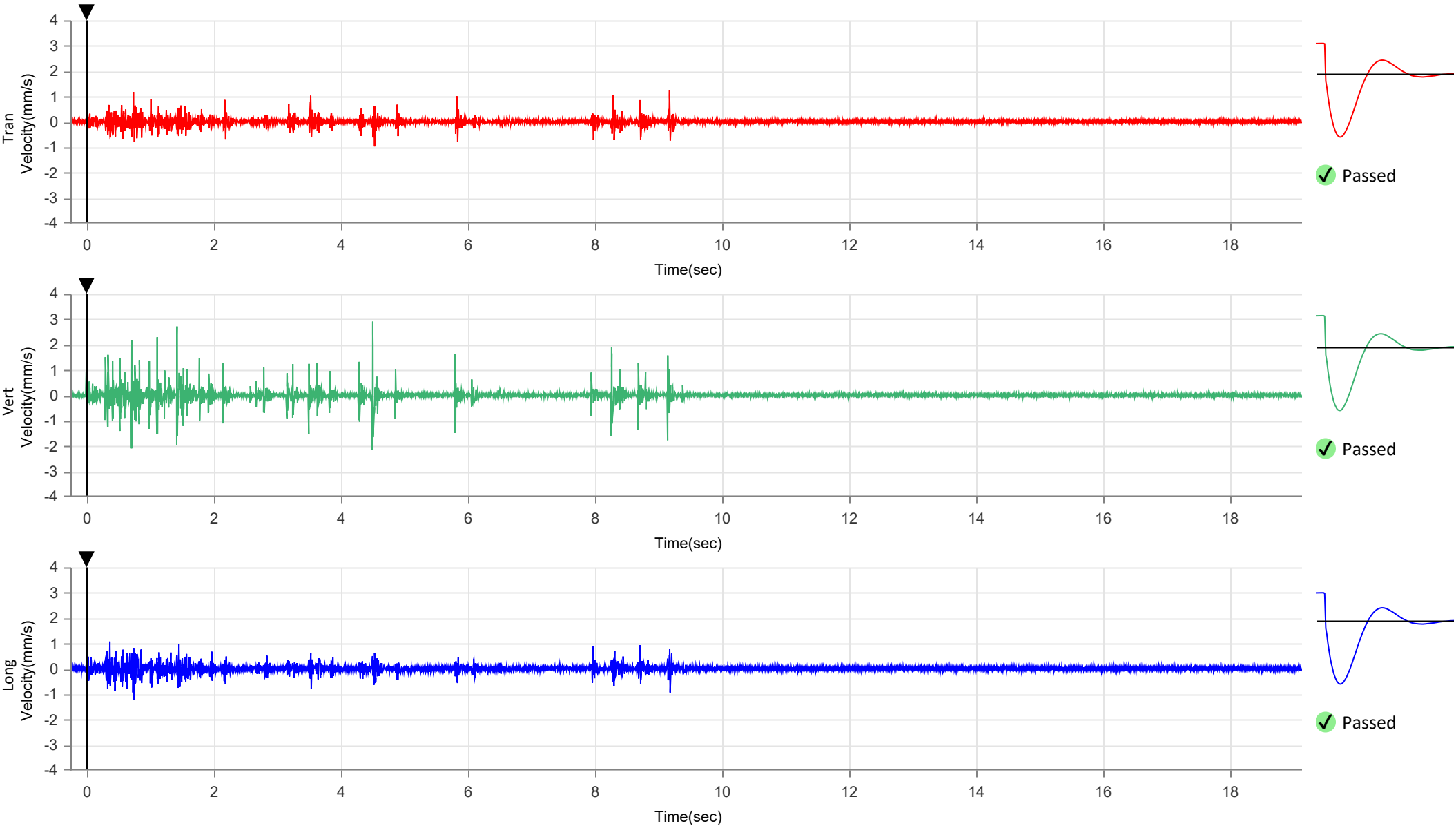
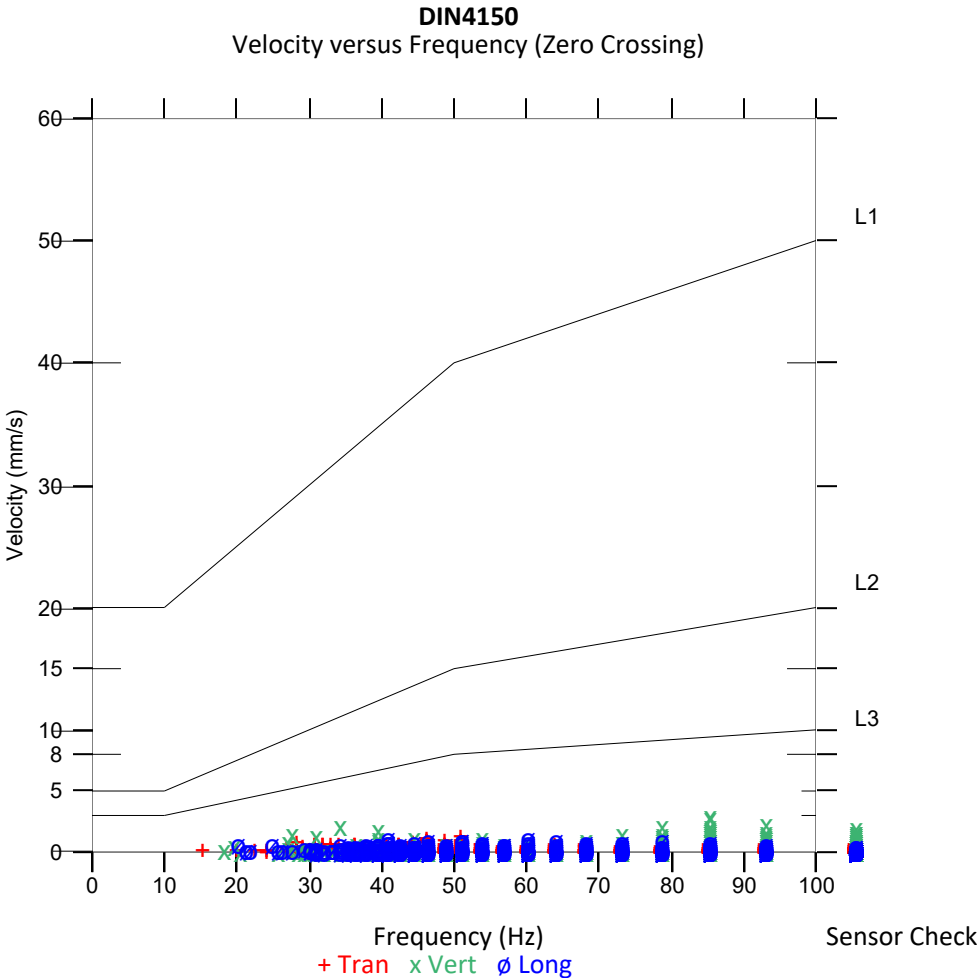
UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221030095433.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.261 mm/s	2.908 mm/s	1.222 mm/s
Zero Crossing Frequency	53.9 Hz	85.3 Hz	60.2 Hz
Time (Relative to Trigger)	9.175 sec	4.507 sec	0.754 sec
Peak Acceleration	0.053 g	0.201 g	0.051 g
Peak Displacement	0.004 mm	0.005 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.7 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	2.910 mm/s at 4.507 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:56
Geo 0.500 mm/s
0.25 sec/17.8 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

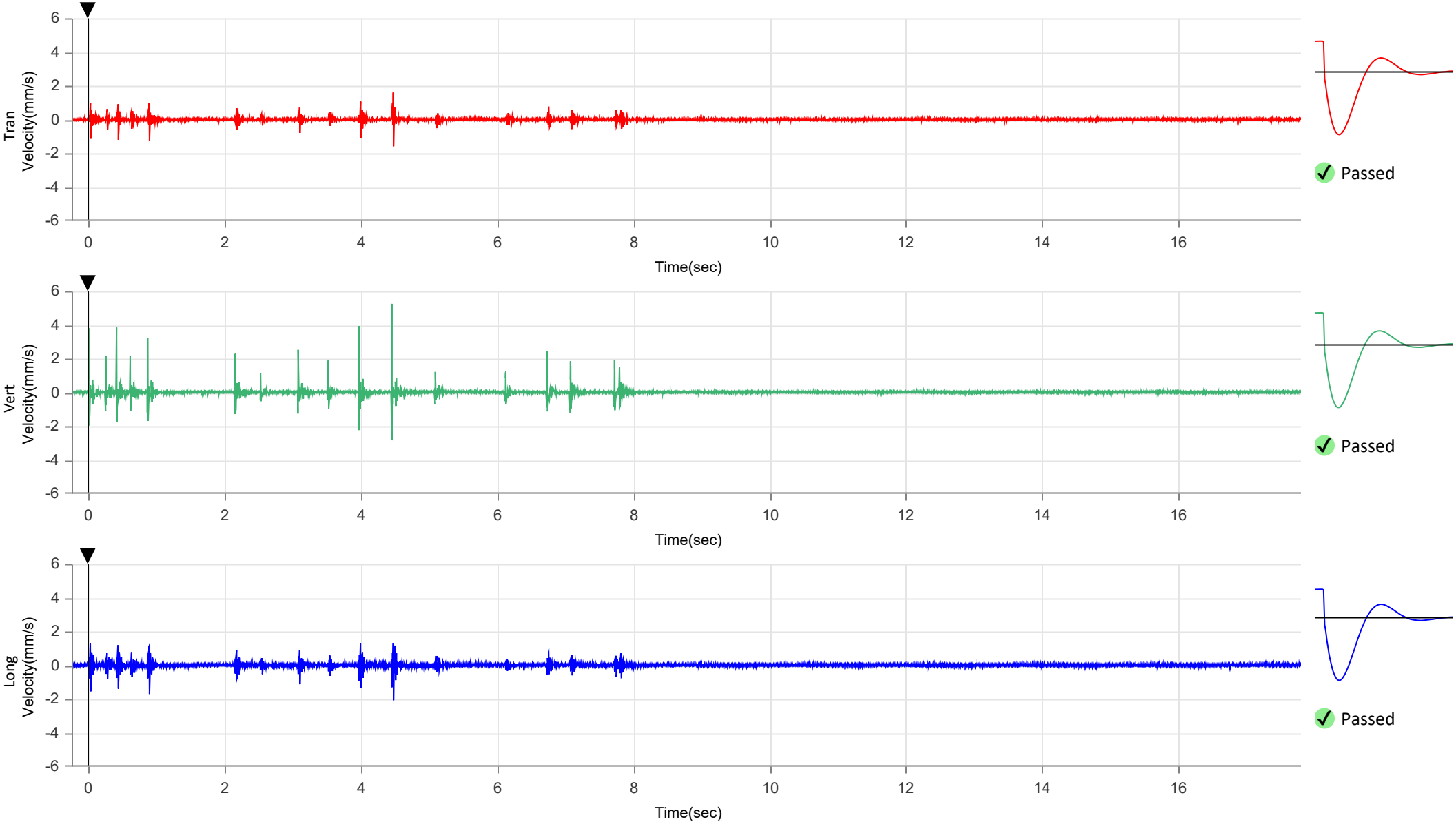
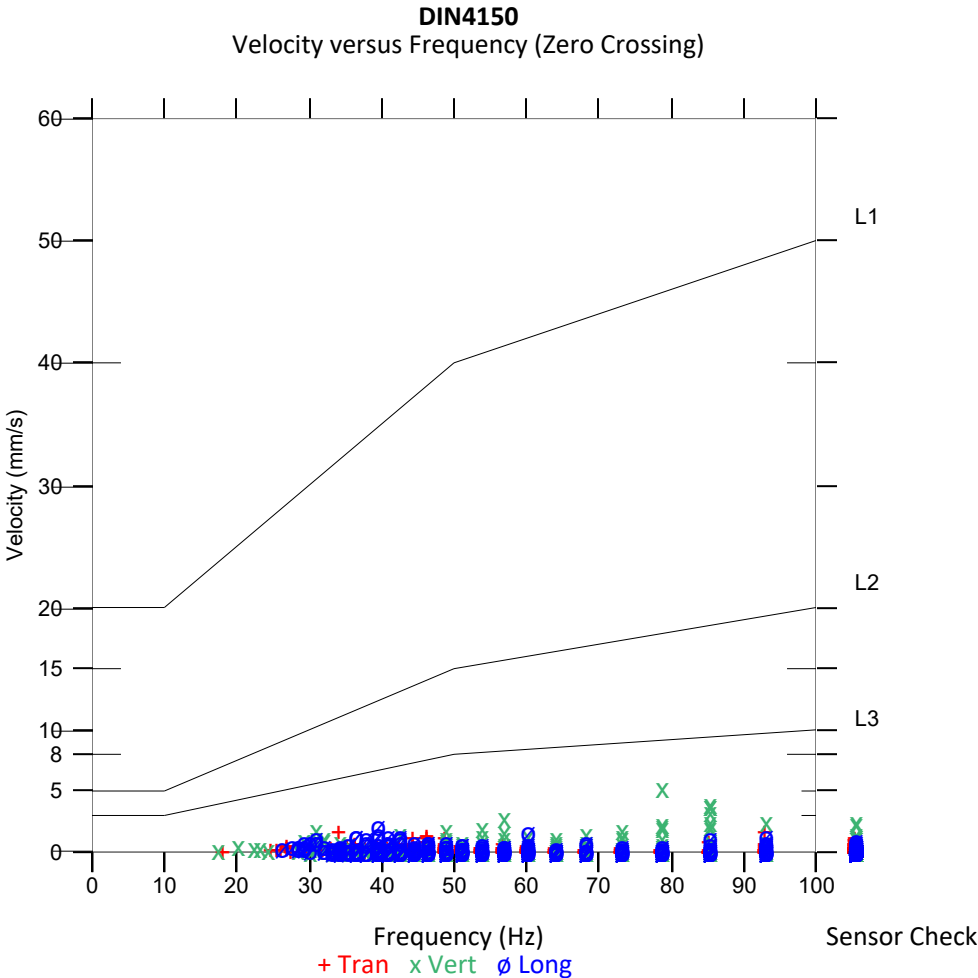
UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221030112956.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.600 mm/s	5.249 mm/s	2.073 mm/s
Zero Crossing Frequency	93.1 Hz	78.8 Hz	39.4 Hz
Time (Relative to Trigger)	4.472 sec	4.450 sec	4.477 sec
Peak Acceleration	0.100 g	0.318 g	0.102 g
Peak Displacement	0.005 mm	0.010 mm	0.005 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.7 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	5.288 mm/s at 4.450 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 14:19:08
Geo 0.500 mm/s
0.25 sec/11.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221030141908.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-20, Plavje 42

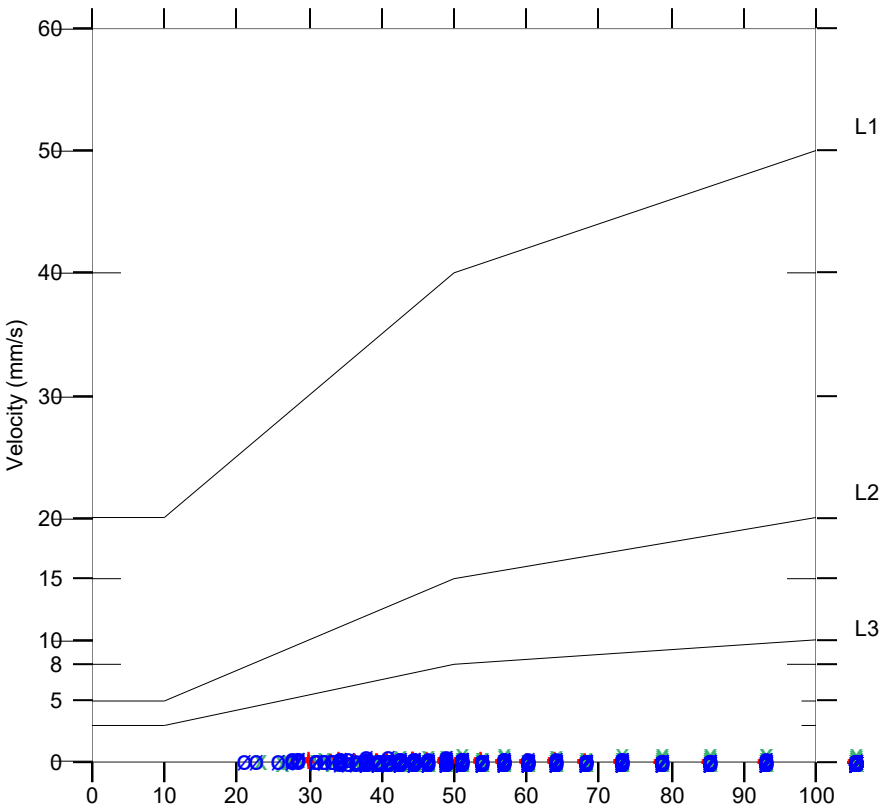
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.355 mm/s	0.701 mm/s	0.473 mm/s
51.2 Hz	>100 Hz	39.4 Hz
0.661 sec	1.481 sec	5.605 sec
0.016 g	0.049 g	0.018 g
0.001 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.7 Hz
4.4	4.4	4.6

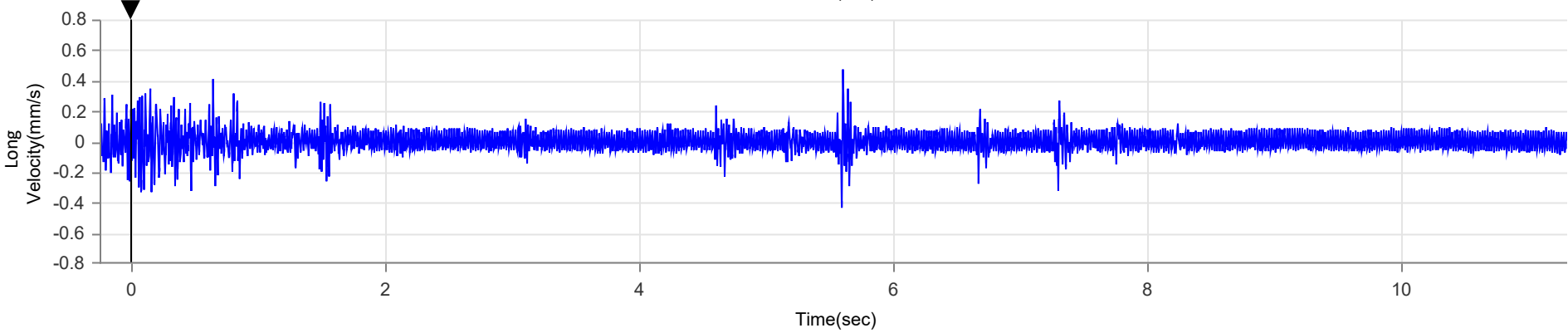
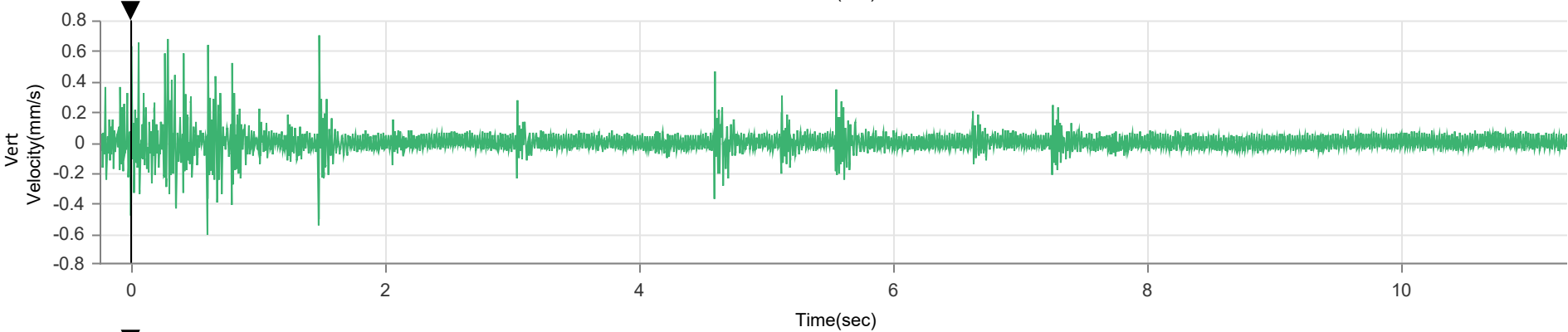
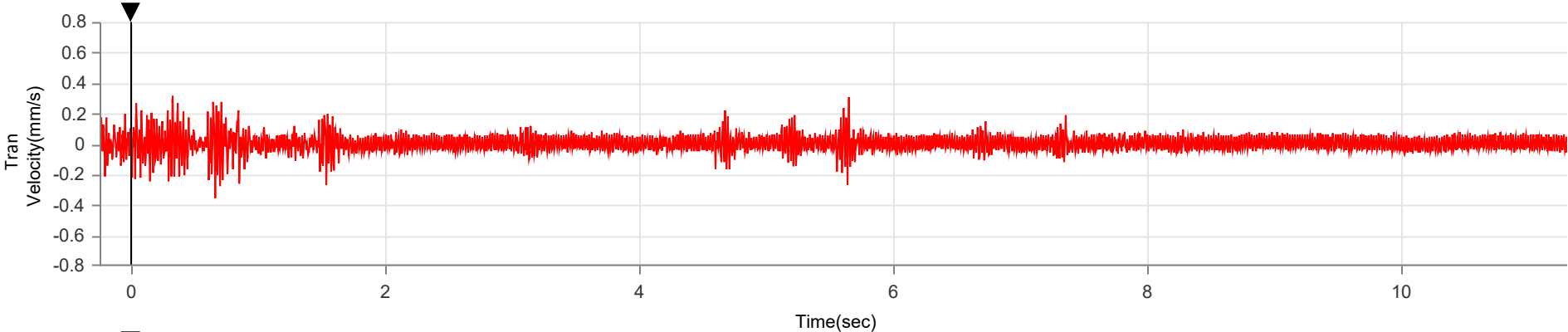
Peak Vector Sum 0.725 mm/s at 1.481 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long

Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:44
Geo 0.500 mm/s
0.25 sec/17.6 sec (Auto)
2048 sps
factory.mmb
Operator

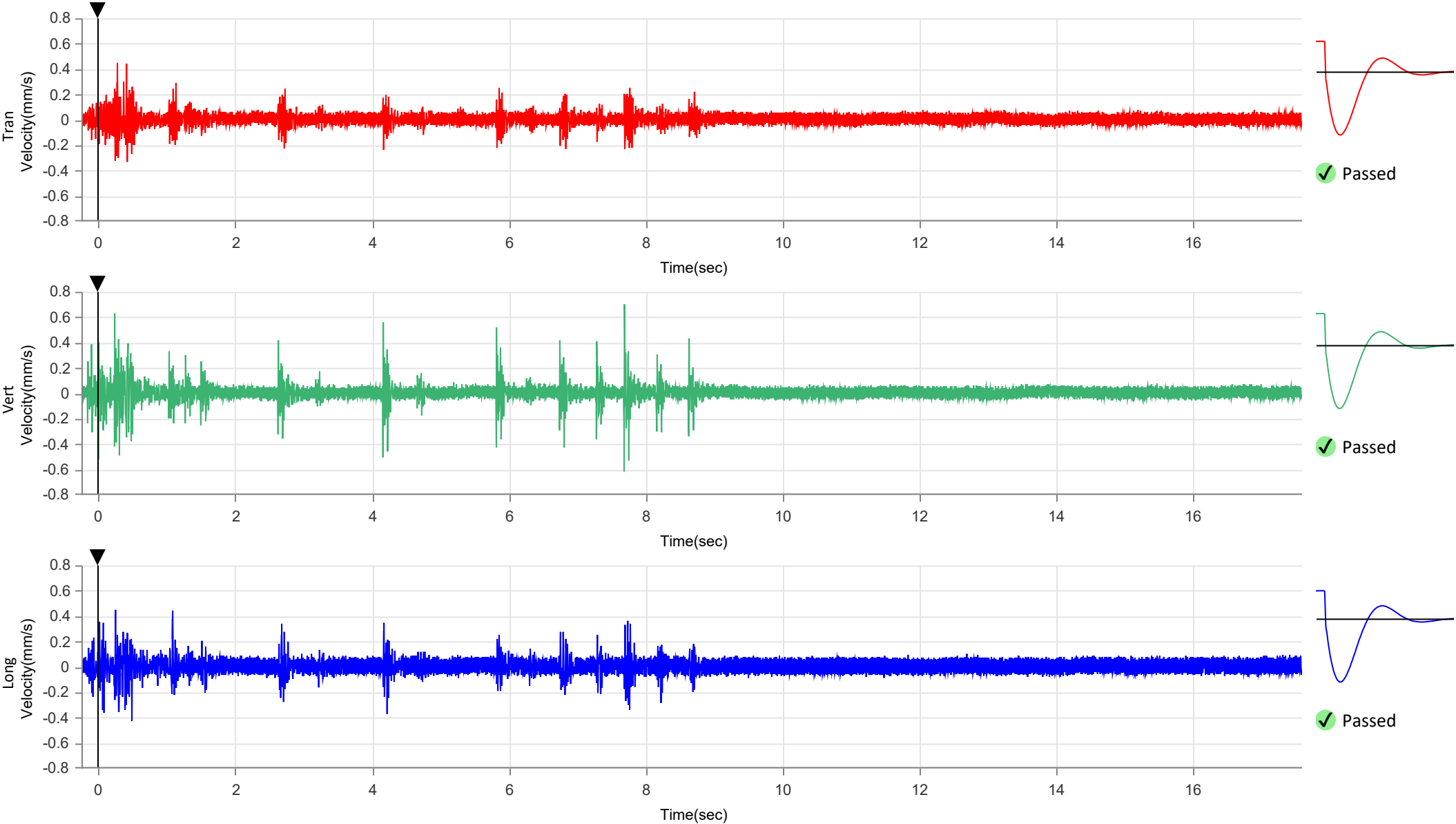
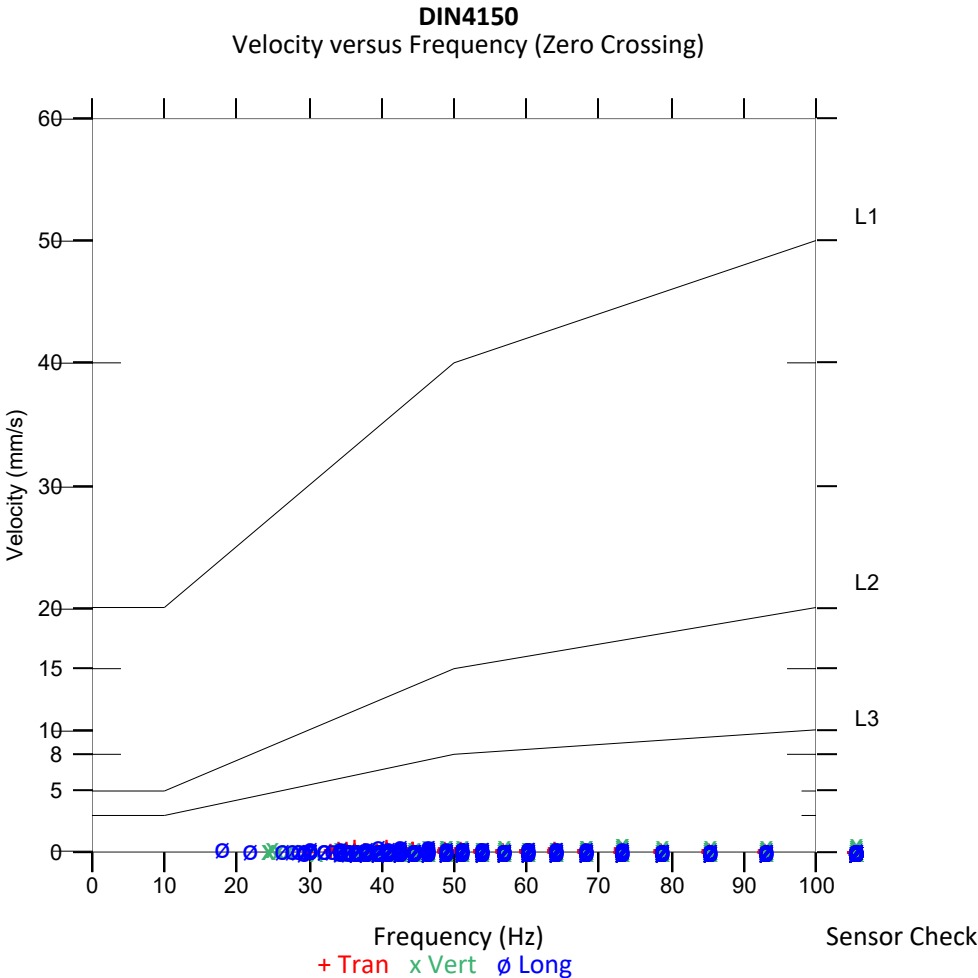
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18299
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18299_20221031130444.IDFW
Disabled

Notes
Location MM-20, Plavje 42
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.449 mm/s	0.701 mm/s	0.449 mm/s
Zero Crossing Frequency	36.6 Hz	73.1 Hz	42.7 Hz
Time (Relative to Trigger)	0.277 sec	7.688 sec	0.249 sec
Peak Acceleration	0.018 g	0.054 g	0.023 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.7 Hz
Overswing Ratio	4.4	4.4	4.6
Peak Vector Sum	0.731 mm/s at 7.688 sec		



PRILOGA 1.9:
Rezultati meritev
- MM-21 (Plavje 44a) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 11:30:11
Geo 0.500 mm/s
0.25 sec/18.8 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221024113011.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-21, Plavje 44a

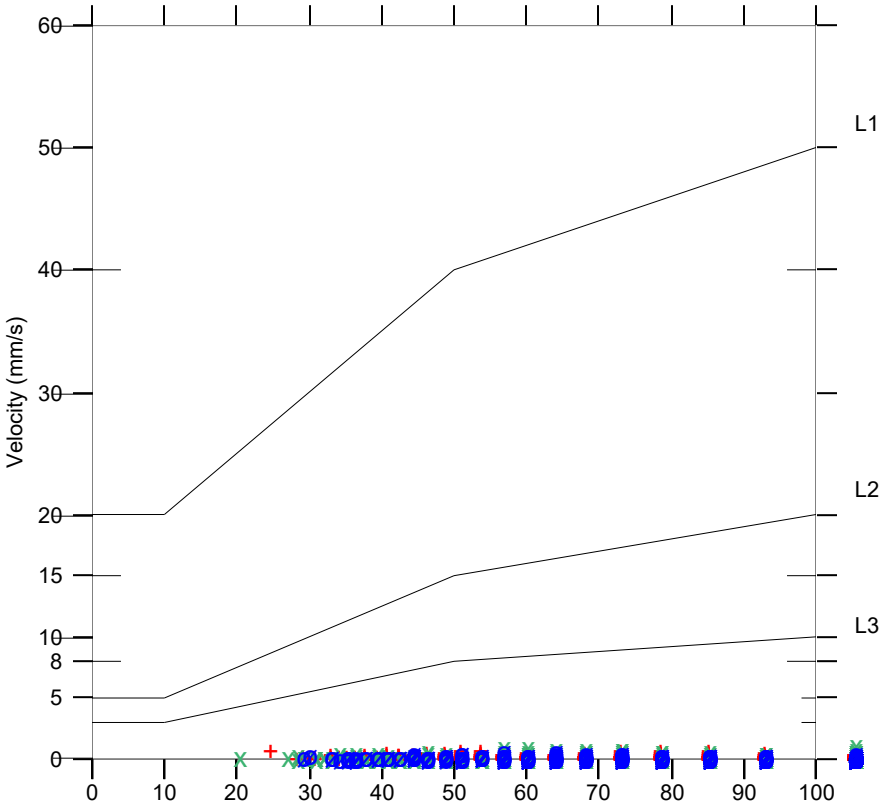
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

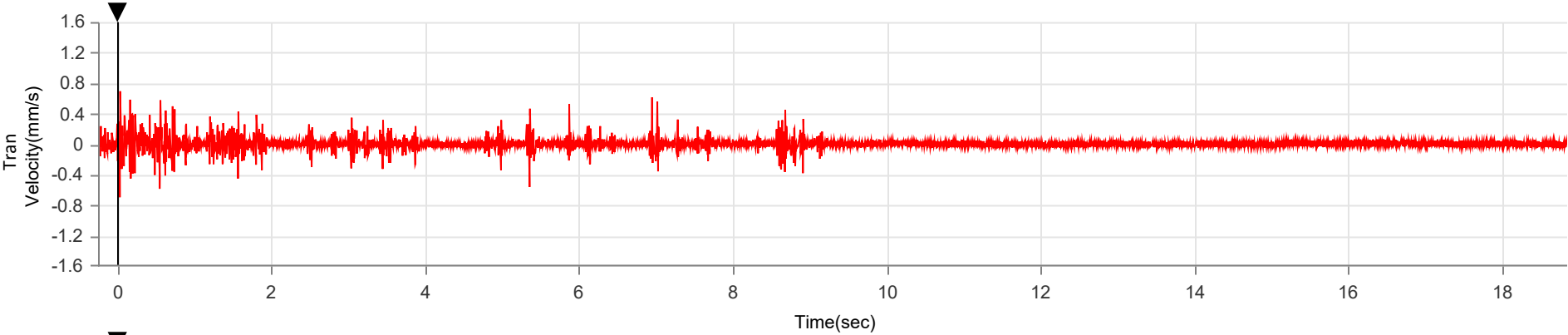
Tran	Vert	Long
0.694 mm/s	1.072 mm/s	0.615 mm/s
53.9 Hz	>100 Hz	56.9 Hz
0.034 sec	0.001 sec	7.020 sec
0.046 g	0.100 g	0.035 g
0.002 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.7

Peak Vector Sum 1.088 mm/s at 0.001 sec

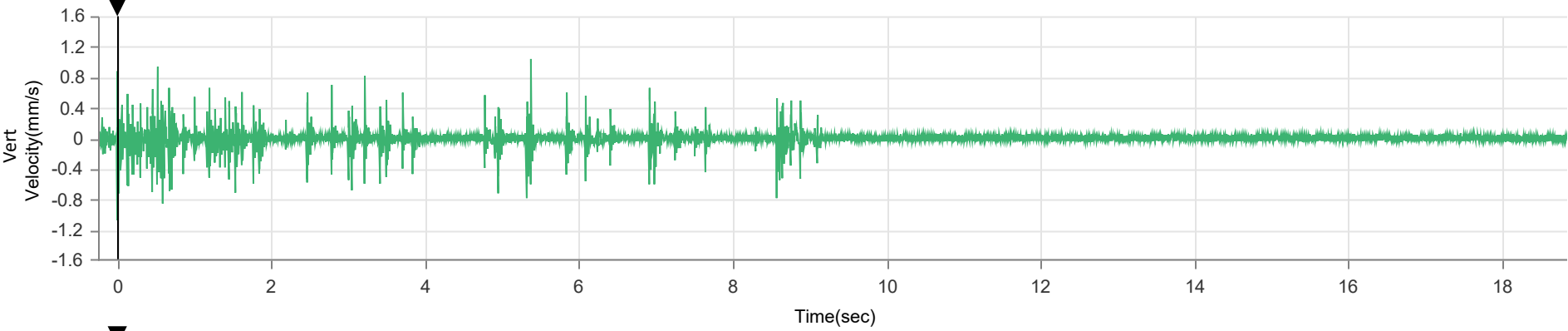
DIN4150
Velocity versus Frequency (Zero Crossing)



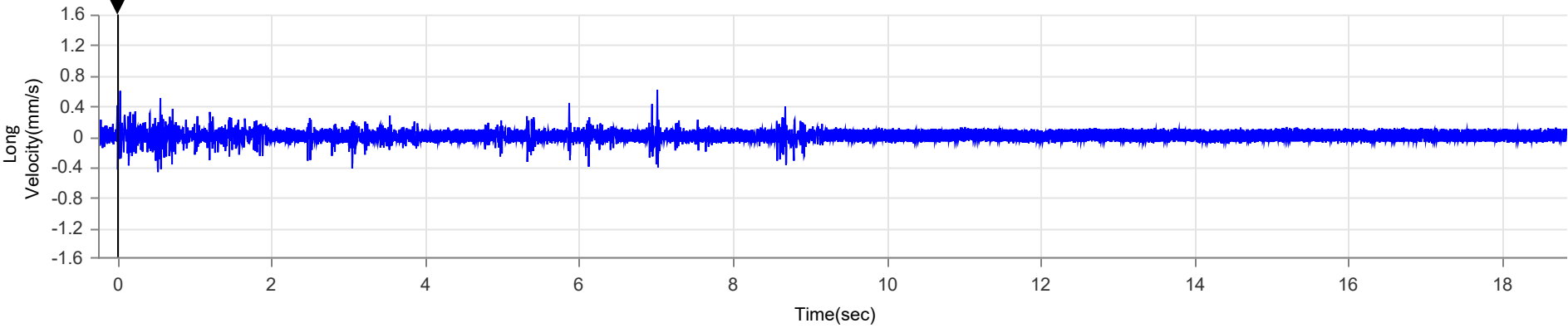
Sensor Check
+ Tran x Vert o Long



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 09:21:34
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
2048 sps
factory.mmb
Operator

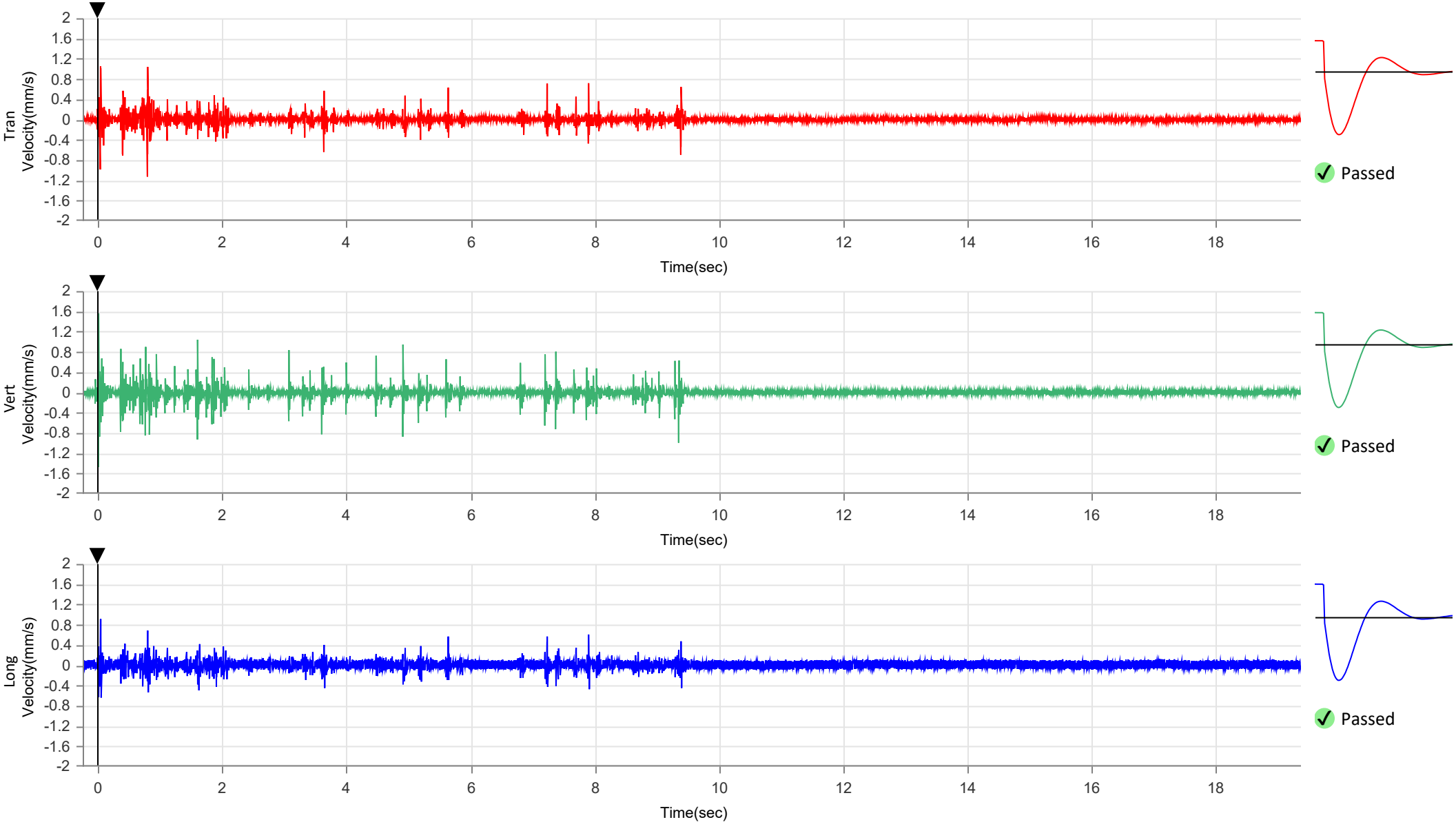
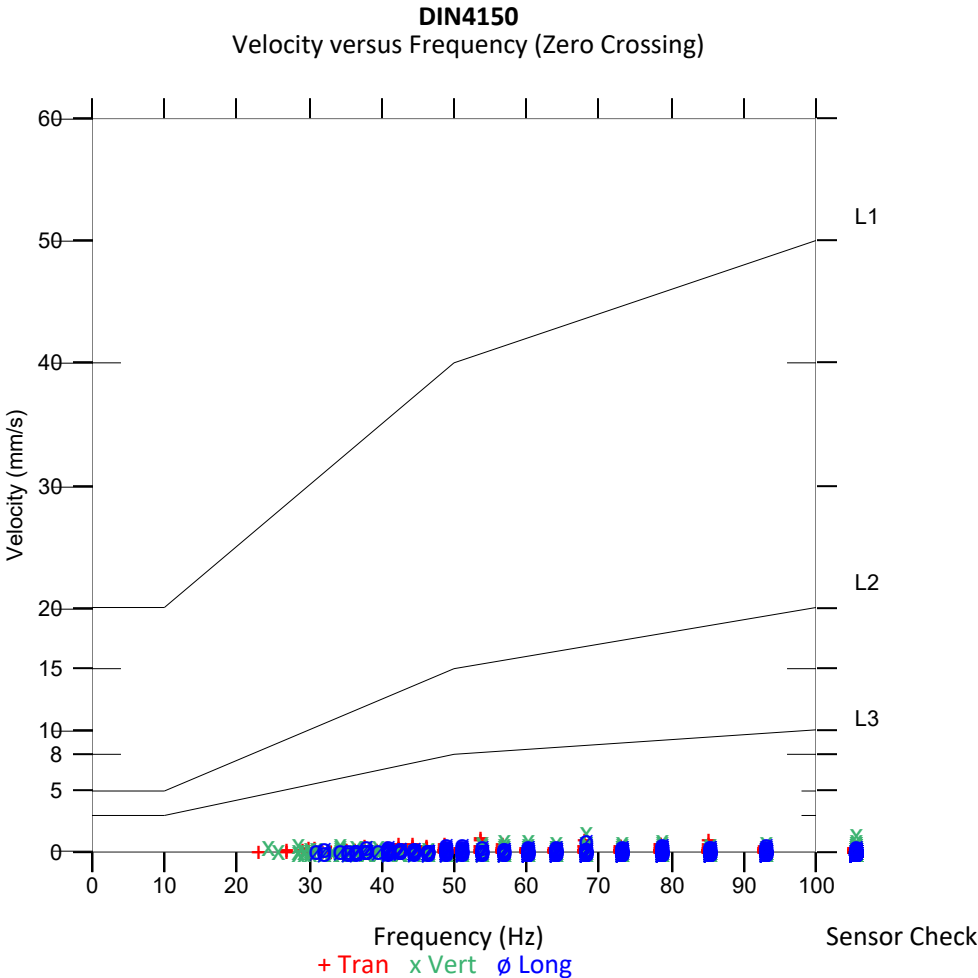
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221025092134.IDFW
Disabled

Notes
Location MM-21, Plavje 44a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.127 mm/s	1.561 mm/s	0.914 mm/s
Zero Crossing Frequency	53.9 Hz	68.3 Hz	68.3 Hz
Time (Relative to Trigger)	0.793 sec	0.007 sec	0.041 sec
Peak Acceleration	0.071 g	0.112 g	0.041 g
Peak Displacement	0.003 mm	0.003 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.3	4.2	3.7
Peak Vector Sum	1.690 mm/s at 0.007 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 11:12:53
Geo 0.500 mm/s
0.25 sec/19.0 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221026111253.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-21, Plavje 44a

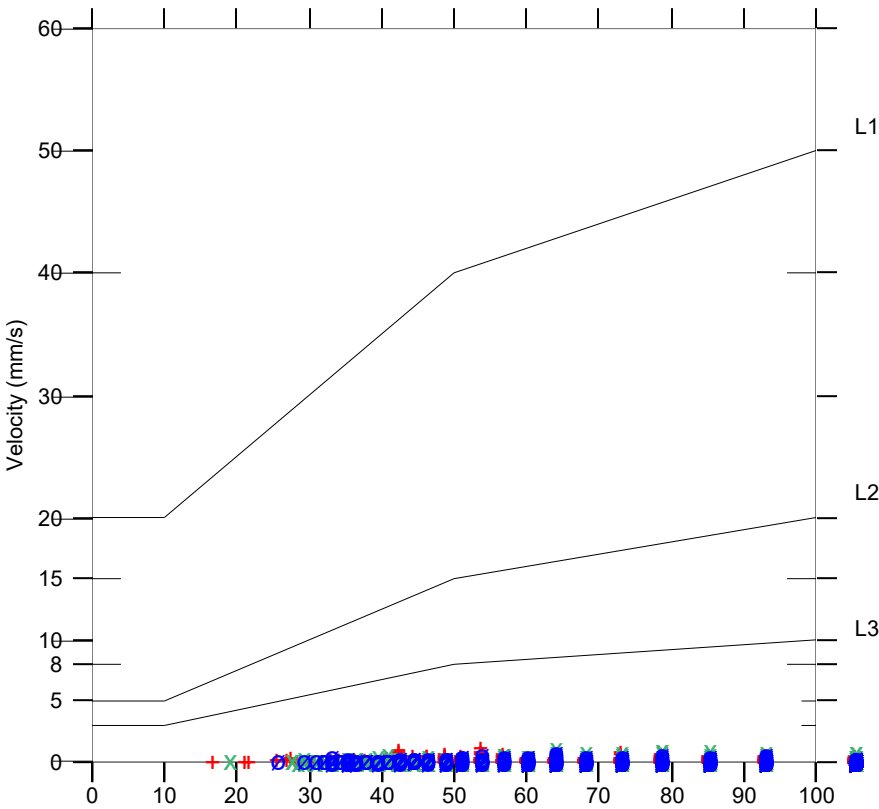
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

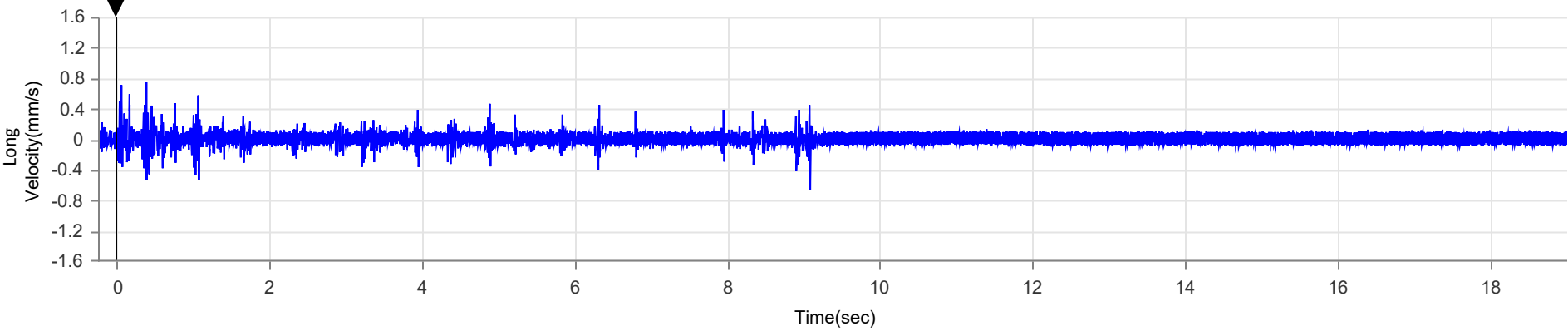
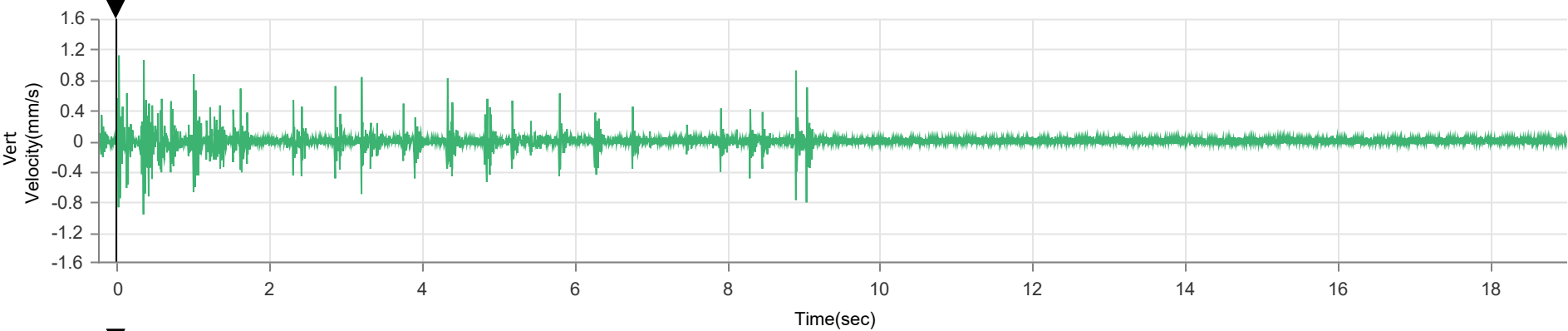
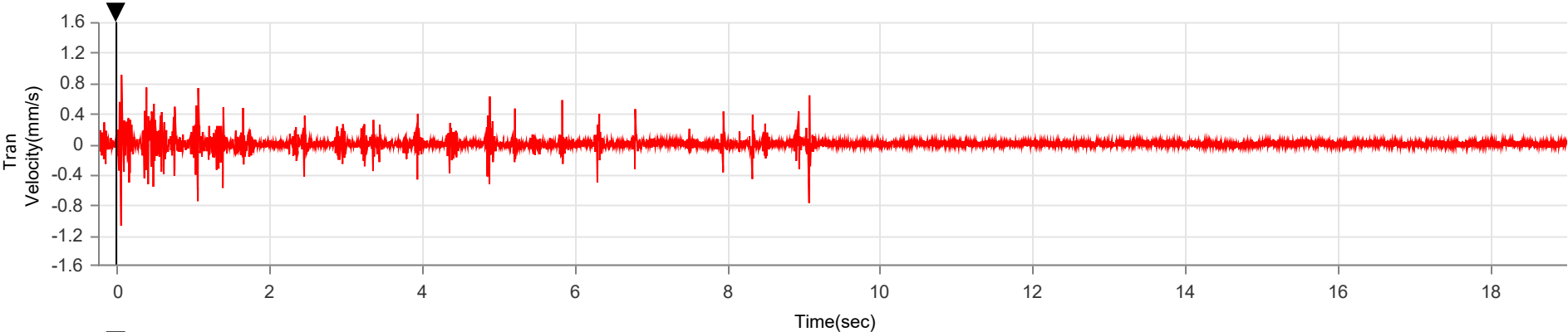
Tran	Vert	Long
1.072 mm/s	1.119 mm/s	0.749 mm/s
53.9 Hz	64.0 Hz	64.0 Hz
0.053 sec	0.024 sec	0.387 sec
0.054 g	0.092 g	0.036 g
0.002 mm	0.003 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.7

Peak Vector Sum 1.209 mm/s at 0.024 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 16:42:58
Geo 0.500 mm/s
0.25 sec/19.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221026164258.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-21, Plavje 44a

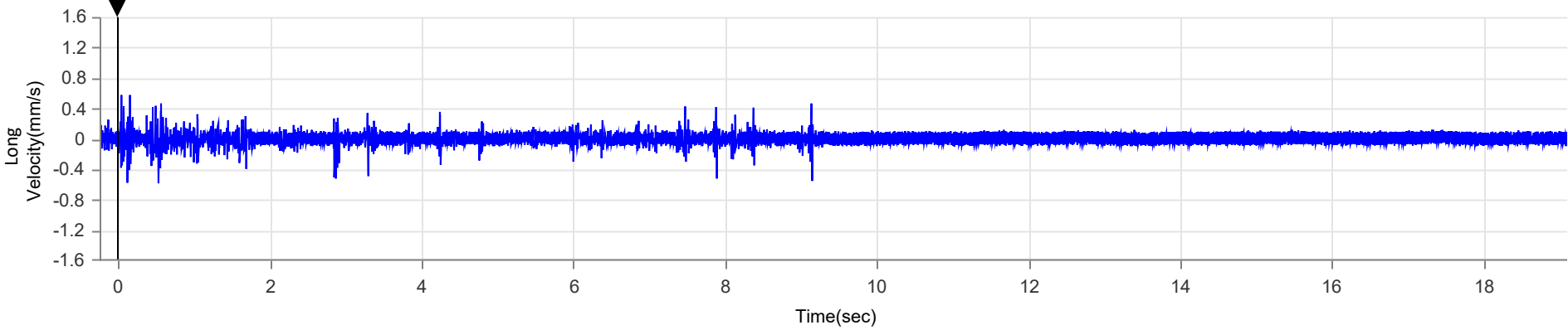
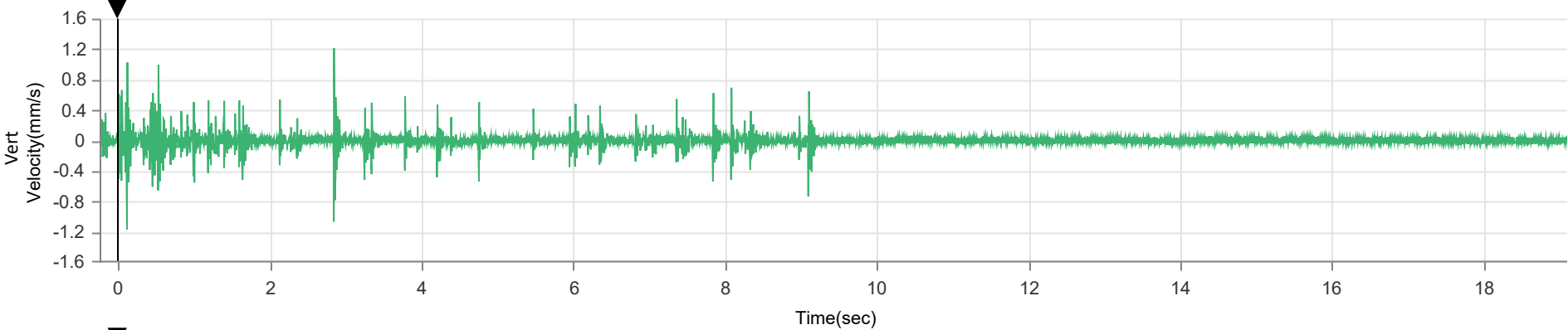
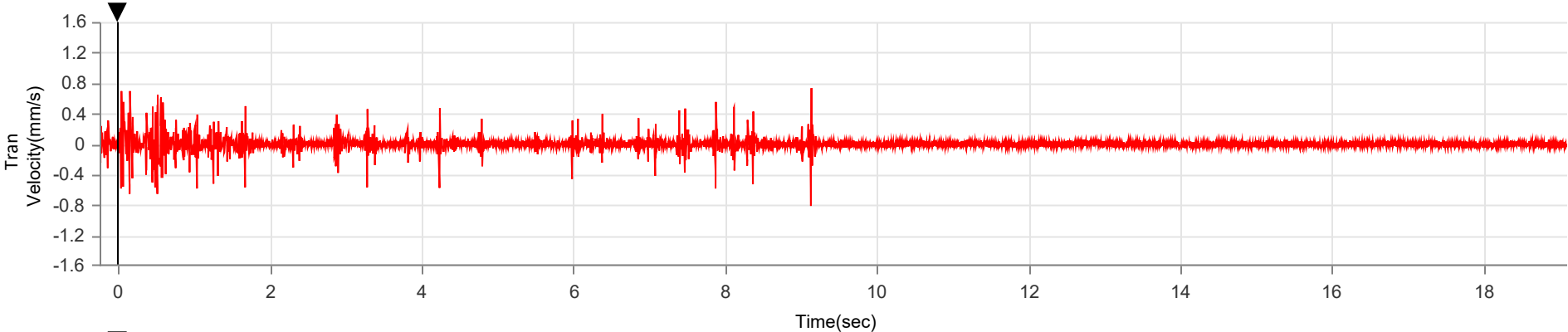
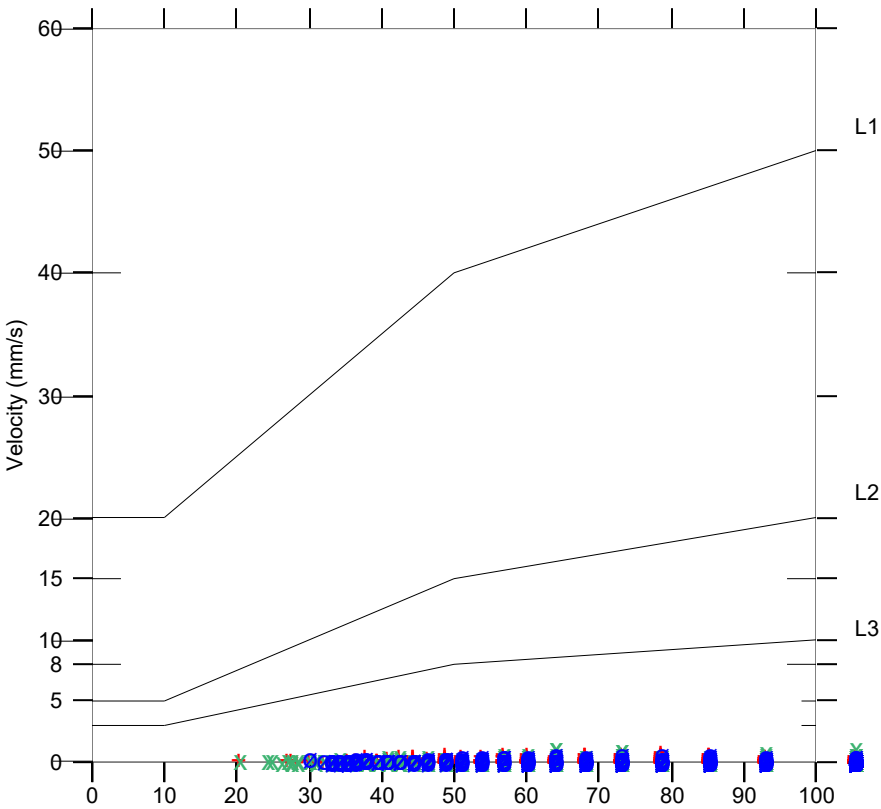
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.812 mm/s	1.214 mm/s	0.583 mm/s
78.8 Hz	64.0 Hz	85.3 Hz
9.132 sec	2.843 sec	0.528 sec
0.051 g	0.120 g	0.038 g
0.002 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.7

Peak Vector Sum 1.222 mm/s at 2.843 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 08:51:21
Geo 0.500 mm/s
0.25 sec/15.9 sec (Auto)
2048 sps
factory.mmb
Operator

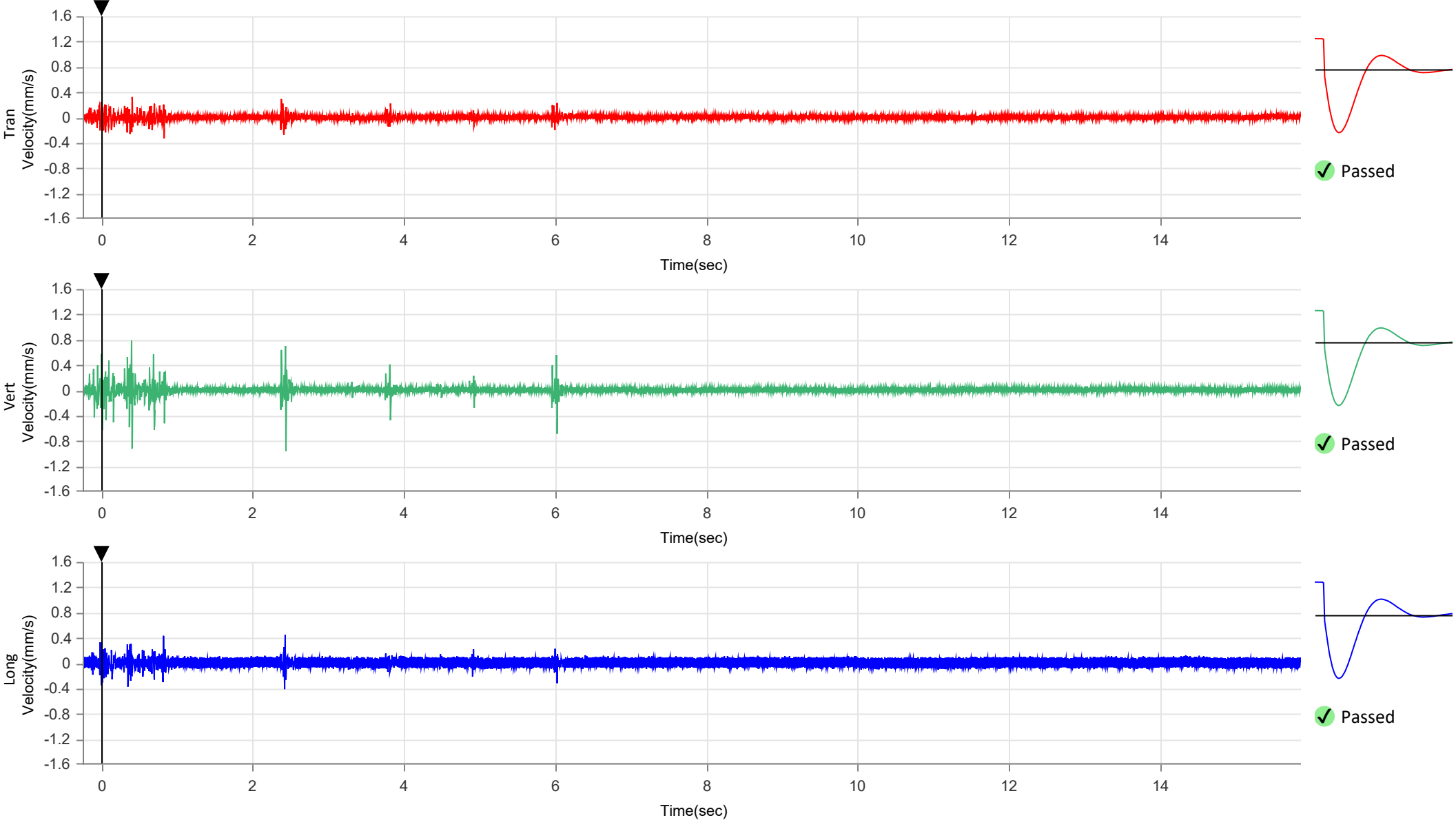
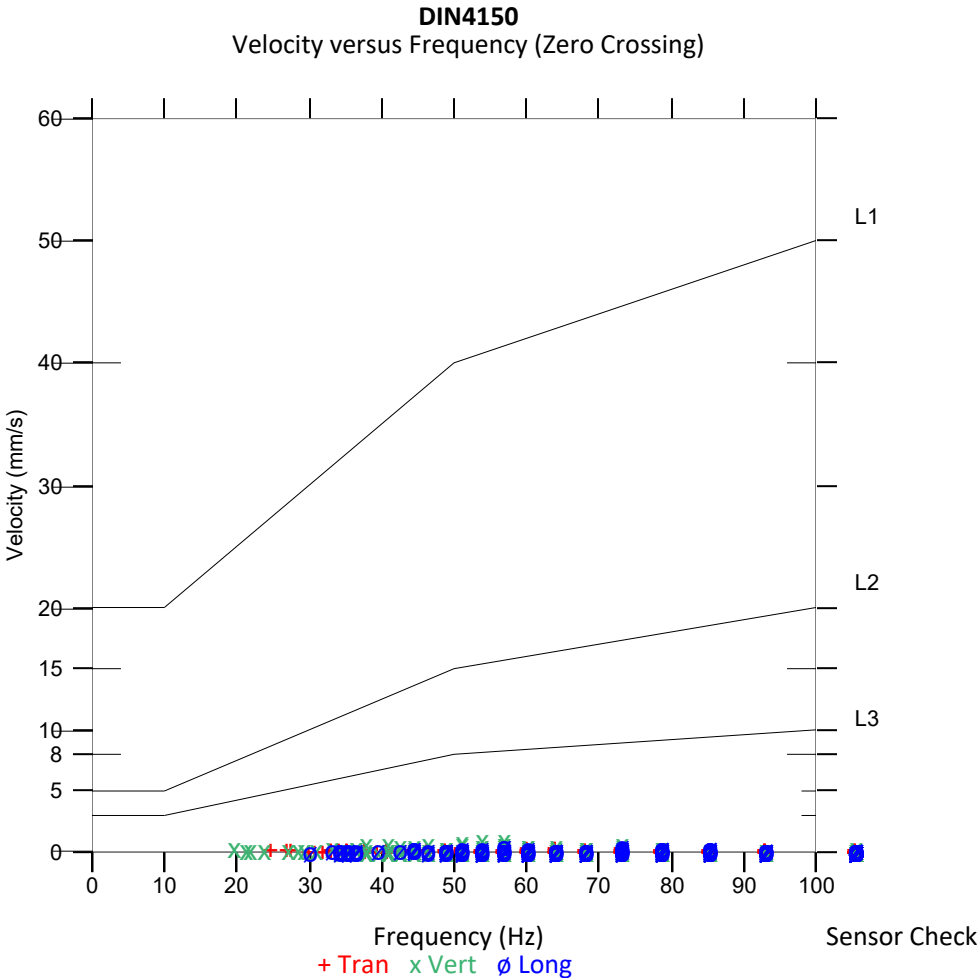
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221027085121.IDFW
Disabled

Notes
Location MM-21, Plavje 44a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.331 mm/s	0.962 mm/s	0.449 mm/s
Zero Crossing Frequency	64.0 Hz	53.9 Hz	73.1 Hz
Time (Relative to Trigger)	0.829 sec	2.440 sec	2.429 sec
Peak Acceleration	0.023 g	0.044 g	0.025 g
Peak Displacement	0.001 mm	0.003 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.3	4.2	3.7
Peak Vector Sum	0.995 mm/s at 0.405 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 11:57:29
Geo 0.500 mm/s
0.25 sec/18.8 sec (Auto)
2048 sps
factory.mmb
Operator

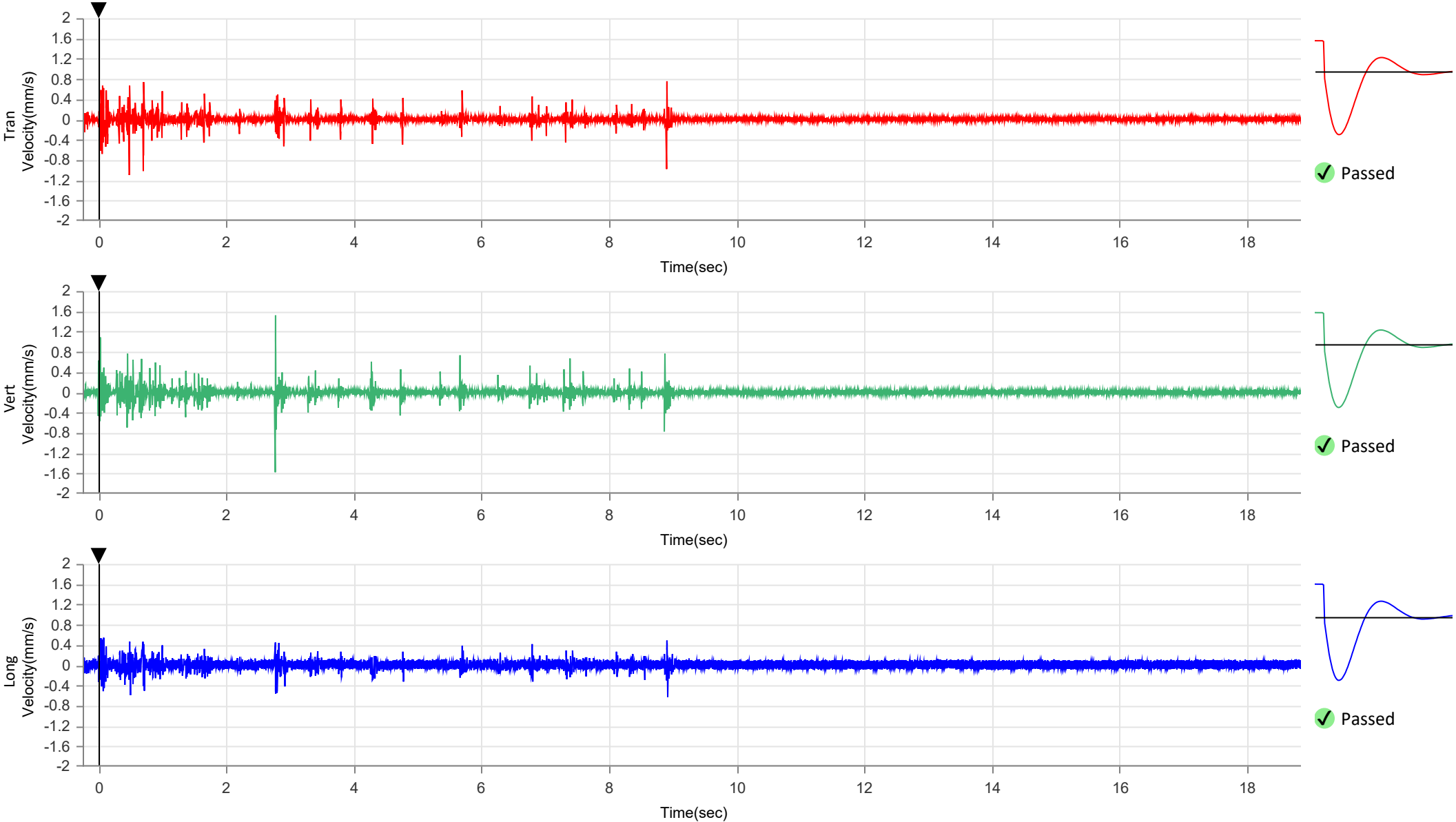
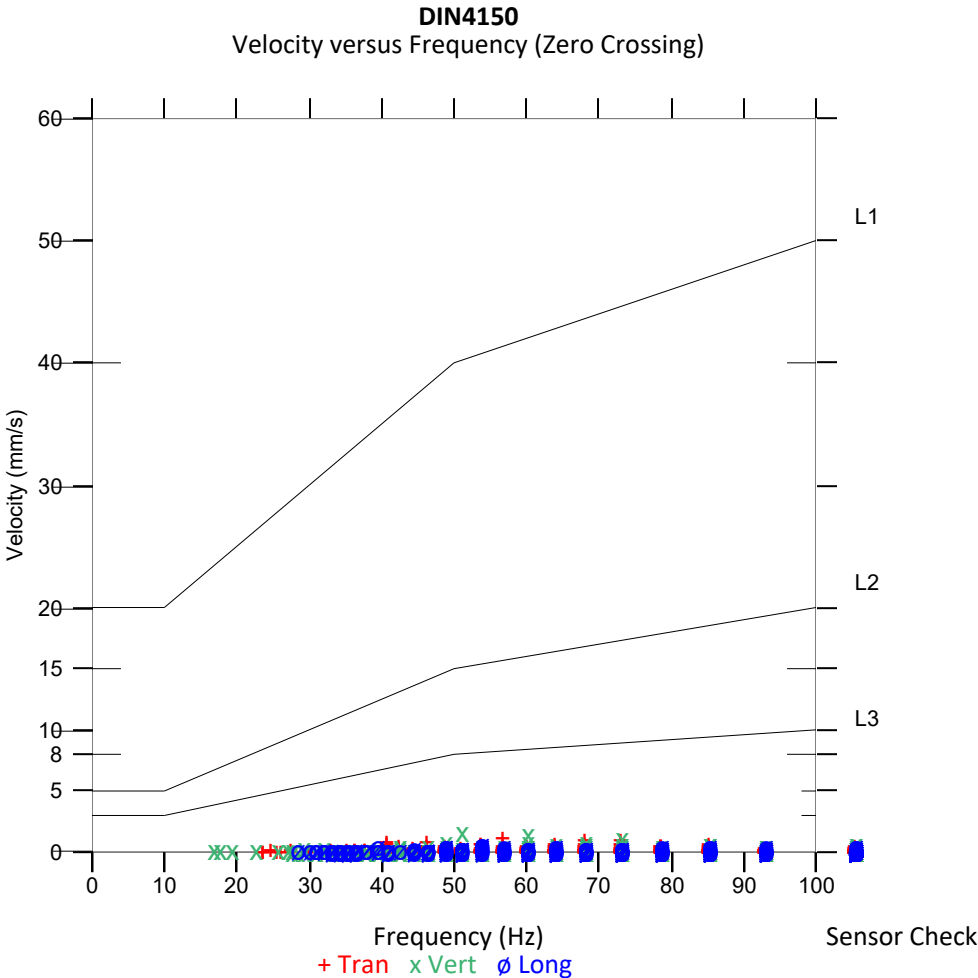
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221027115729.IDFW
Disabled

Notes
Location MM-21, Plavje 44a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.096 mm/s	1.576 mm/s	0.631 mm/s
Zero Crossing Frequency	60.2 Hz	85.3 Hz	53.9 Hz
Time (Relative to Trigger)	0.482 sec	2.769 sec	8.917 sec
Peak Acceleration	0.059 g	0.146 g	0.038 g
Peak Displacement	0.002 mm	0.003 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.3	4.2	3.7
Peak Vector Sum	1.619 mm/s at 2.769 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 13:04:37
Geo 0.500 mm/s
0.25 sec/15.5 sec (Auto)
2048 sps
factory.mmb
Operator

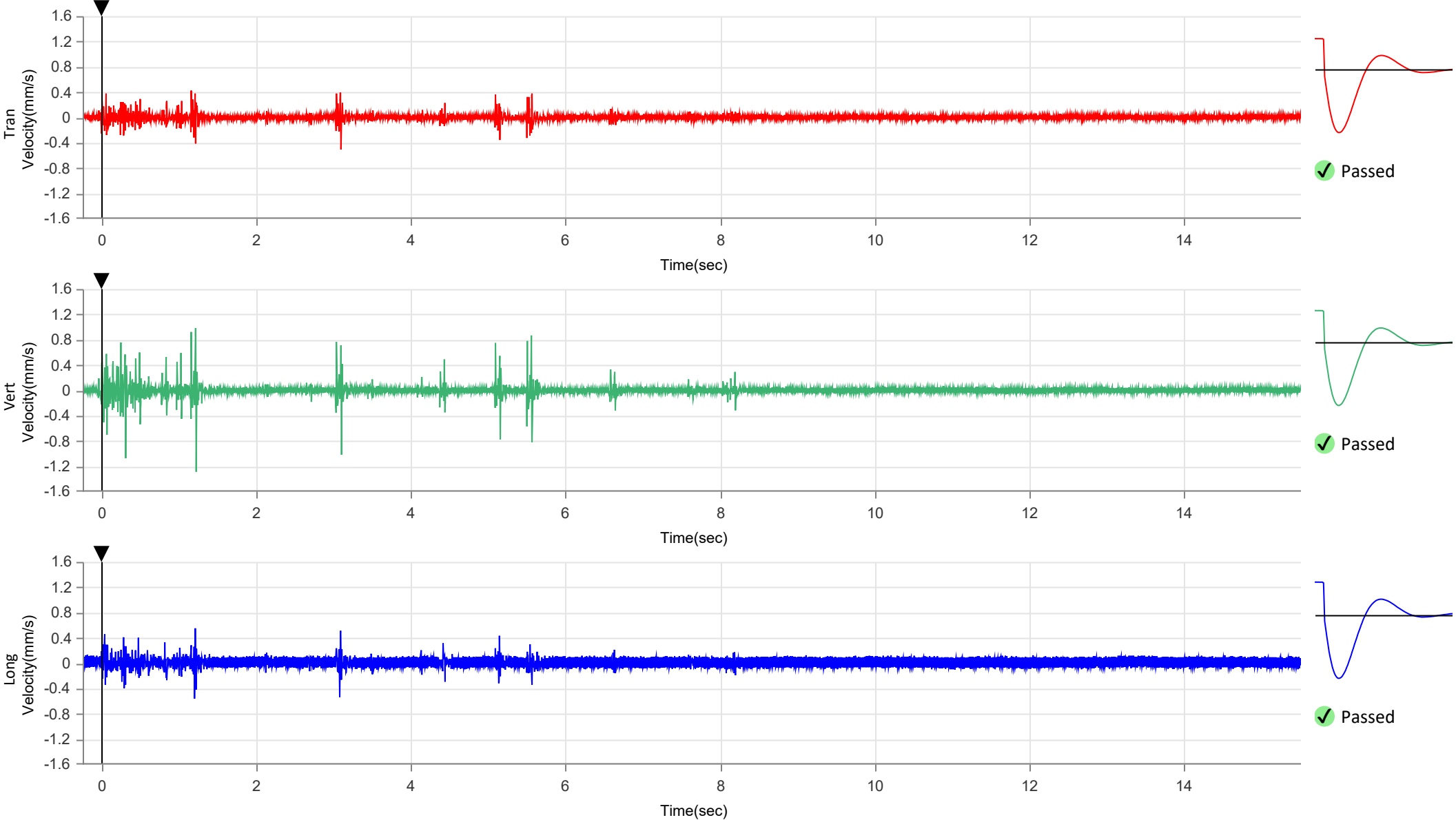
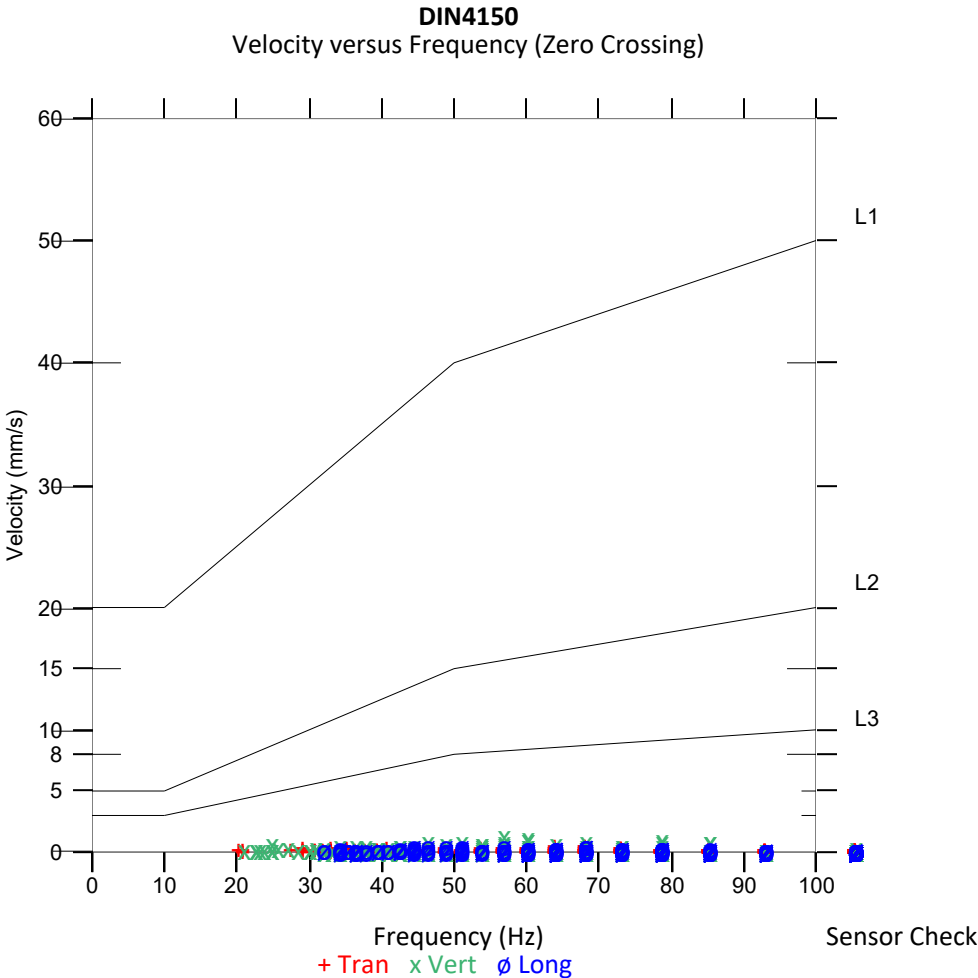
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221027130437.IDFW
Disabled

Notes
Location MM-21, Plavje 44a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.504 mm/s	1.285 mm/s	0.560 mm/s
Zero Crossing Frequency	64.0 Hz	56.9 Hz	56.9 Hz
Time (Relative to Trigger)	3.093 sec	1.219 sec	1.199 sec
Peak Acceleration	0.033 g	0.061 g	0.028 g
Peak Displacement	0.001 mm	0.004 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.3	4.2	3.7
Peak Vector Sum	1.352 mm/s at 1.219 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 11:58:31
Geo 0.500 mm/s
0.25 sec/18.8 sec (Auto)
2048 sps
factory.mmb
Operator

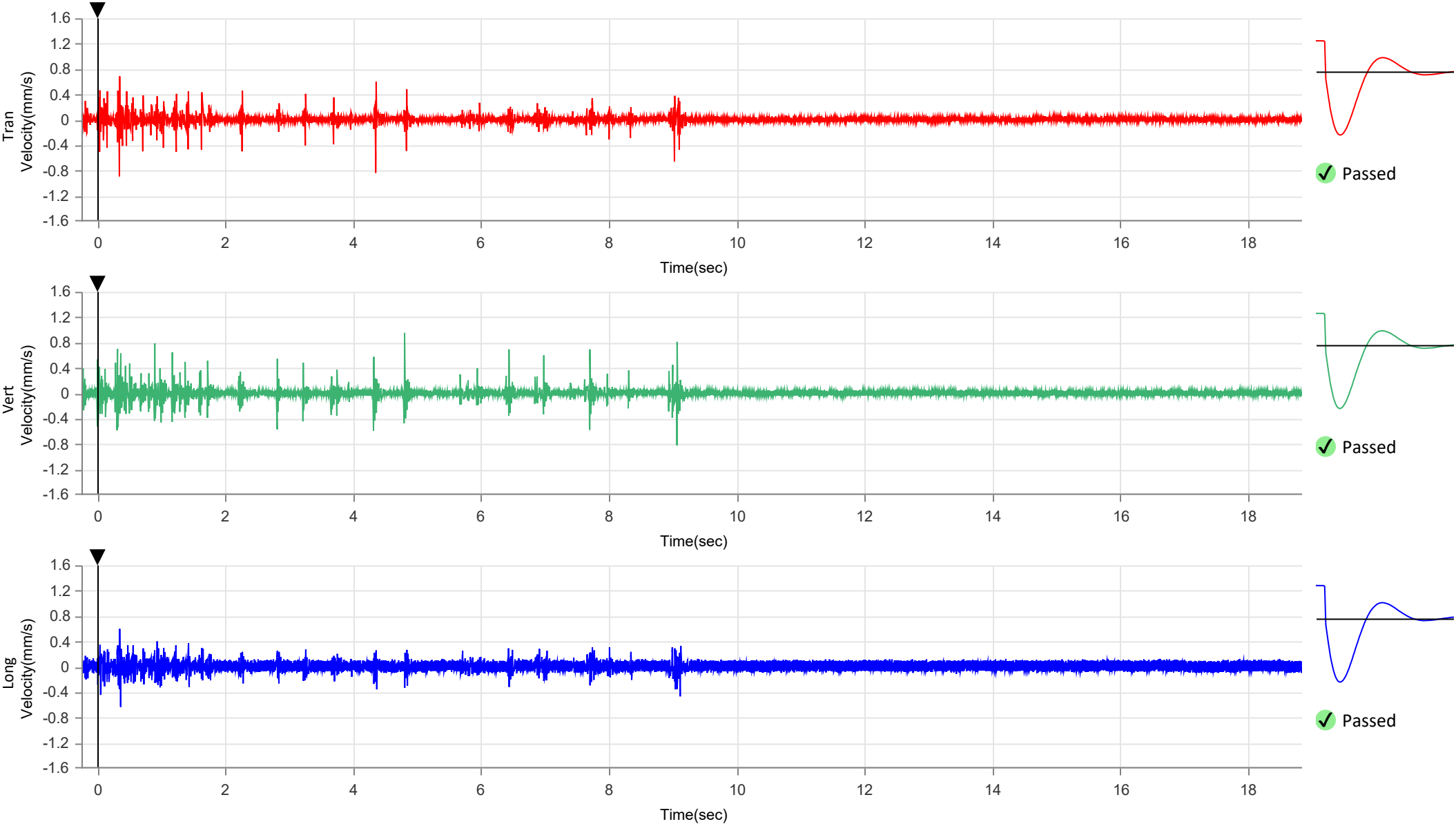
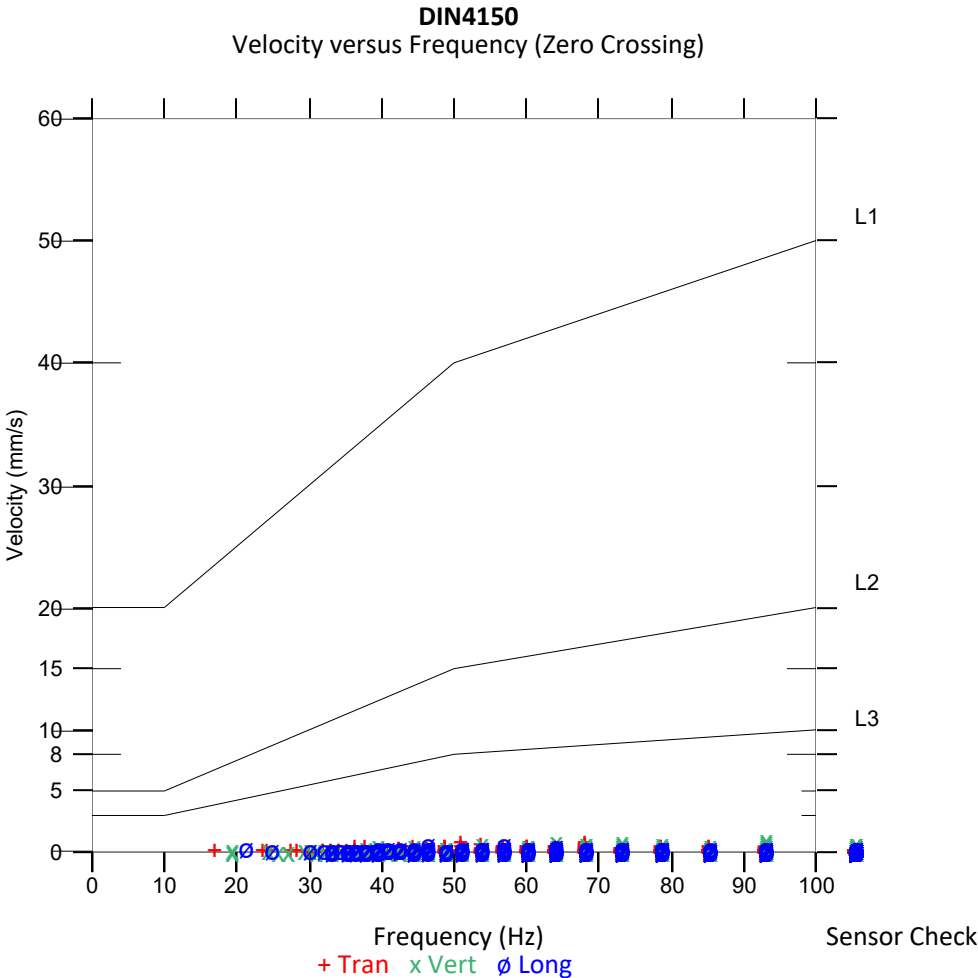
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221028115831.IDFW
Disabled

Notes
Location MM-21, Plavje 44a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.891 mm/s	0.954 mm/s	0.631 mm/s
Zero Crossing Frequency	53.9 Hz	93.1 Hz	48.8 Hz
Time (Relative to Trigger)	0.343 sec	4.805 sec	0.363 sec
Peak Acceleration	0.046 g	0.067 g	0.031 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.3	4.2	3.7
Peak Vector Sum	0.970 mm/s at 4.806 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:04
Geo 0.500 mm/s
0.25 sec/16.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221028163104.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-21, Plavje 44a

Post Event Notes No text to be displayed.

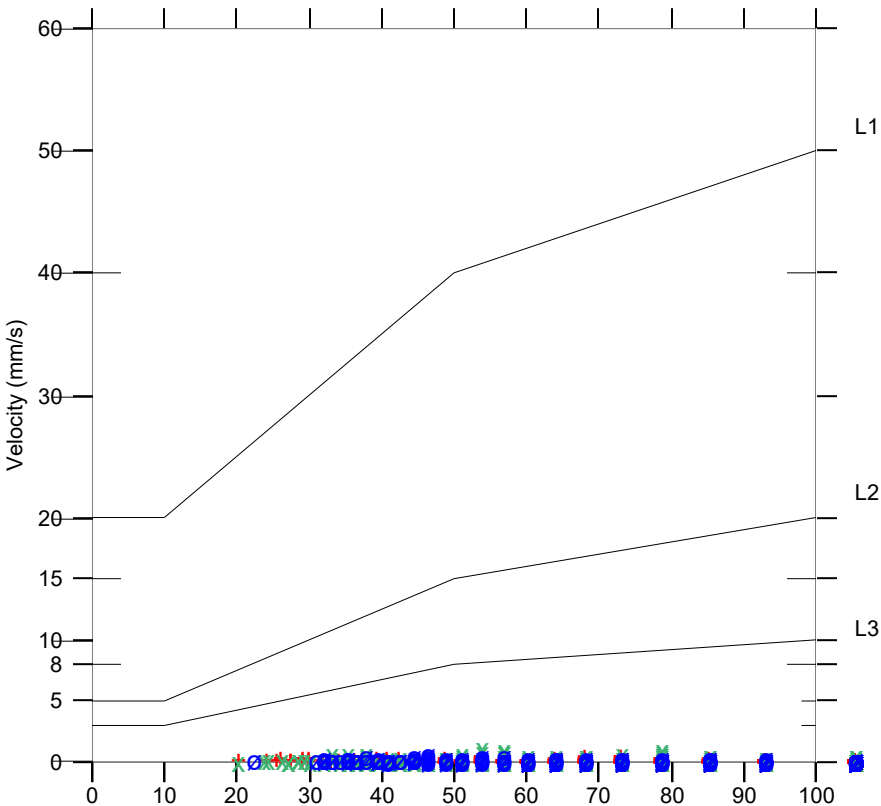
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.567 mm/s	1.080 mm/s	0.583 mm/s
53.9 Hz	53.9 Hz	46.5 Hz
6.412 sec	6.405 sec	2.335 sec
0.036 g	0.066 g	0.026 g
0.002 mm	0.003 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.7

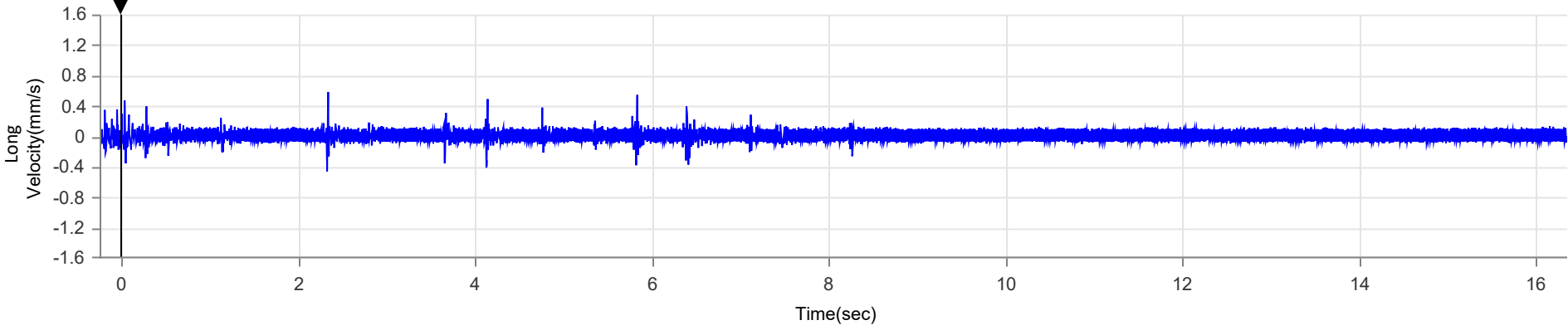
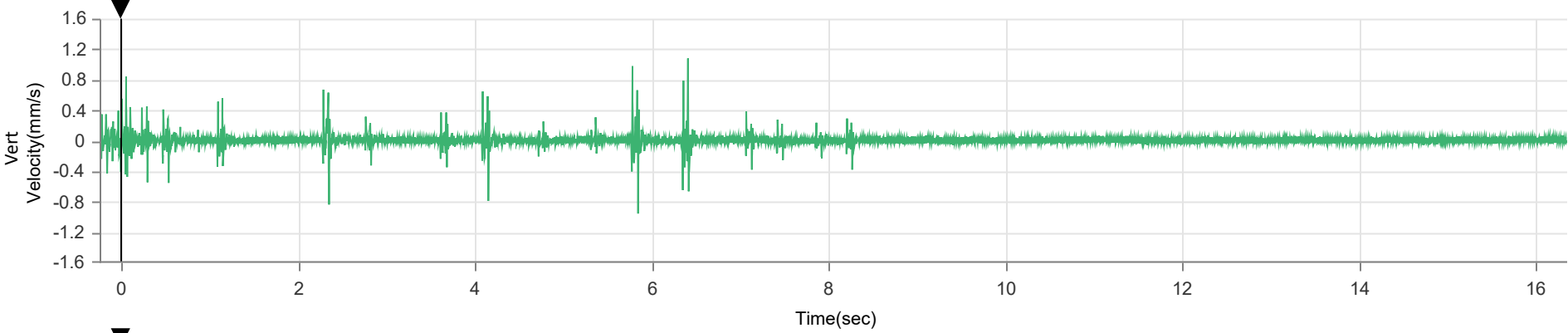
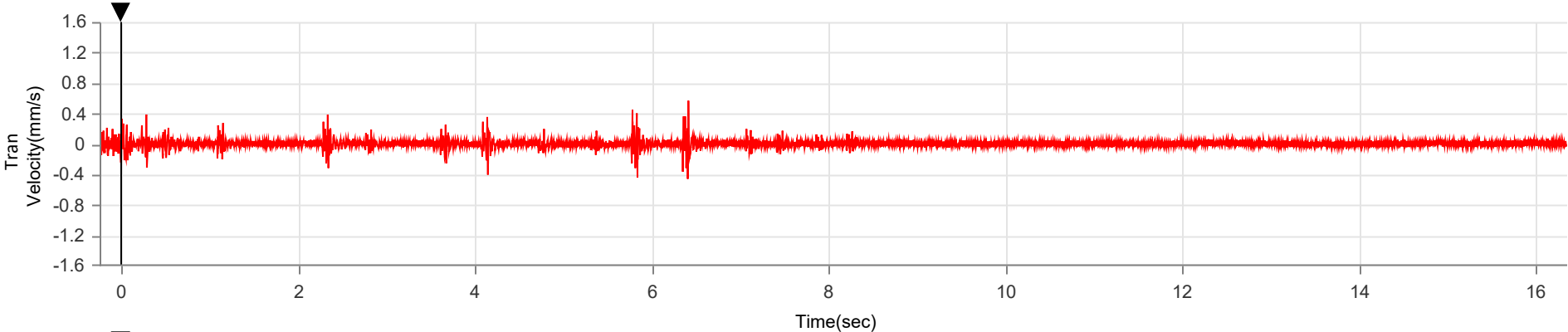
Peak Vector Sum 1.188 mm/s at 6.405 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check

Frequency (Hz)
+ Tran x Vert o Long





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 09:43:41
Geo 0.500 mm/s
0.25 sec/17.8 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221029094341.IDFW
Disabled

Notes
Location
Client
Company
General Notes

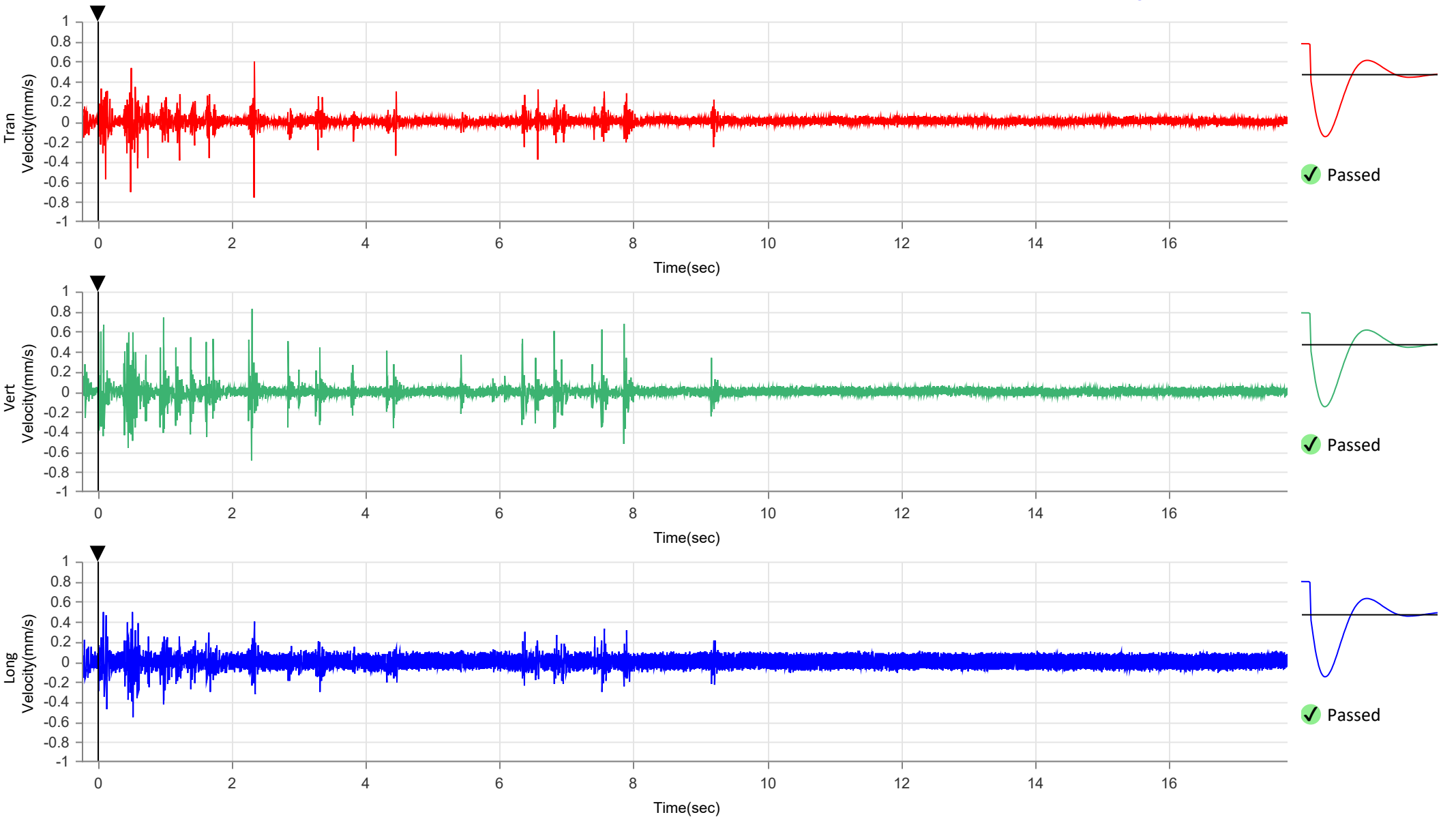
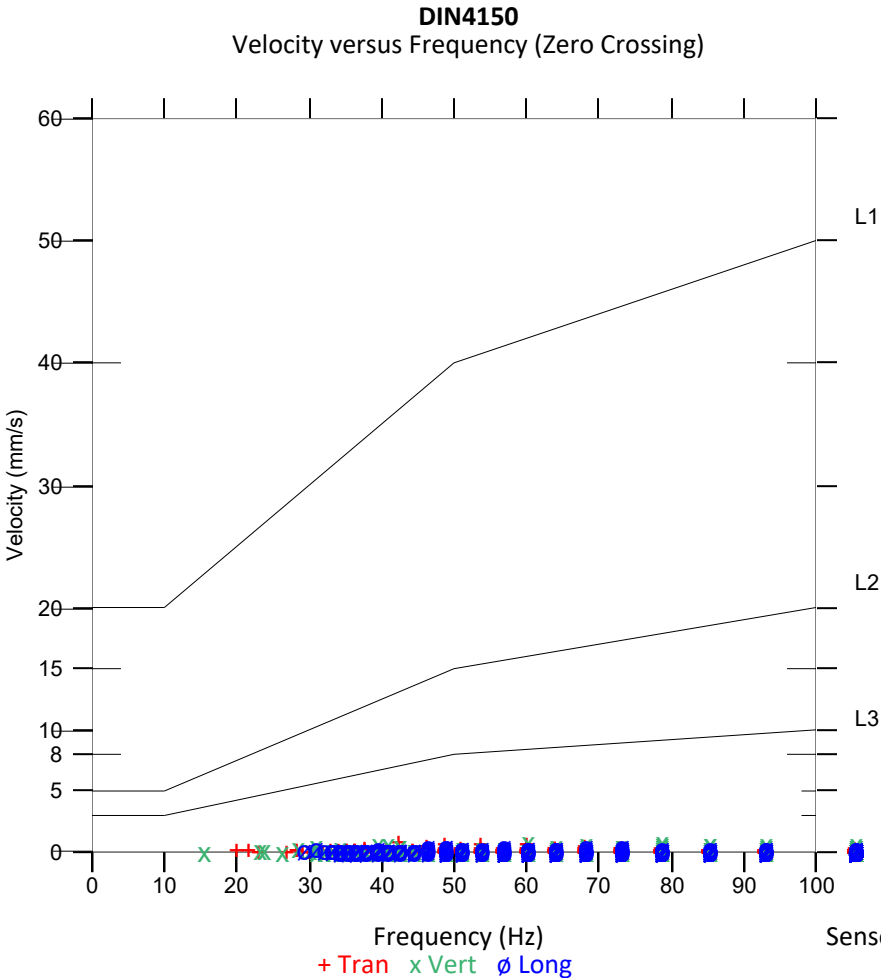
MM-21, Plavje 44a

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.757 mm/s	0.828 mm/s	0.552 mm/s
42.7 Hz	60.2 Hz	68.3 Hz
2.326 sec	2.298 sec	0.517 sec
0.036 g	0.056 g	0.028 g
0.002 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.7

Peak Vector Sum 0.833 mm/s at 2.298 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 12:17:00
Geo 0.500 mm/s
0.25 sec/17.5 sec (Auto)
2048 sps
factory.mmb
Operator

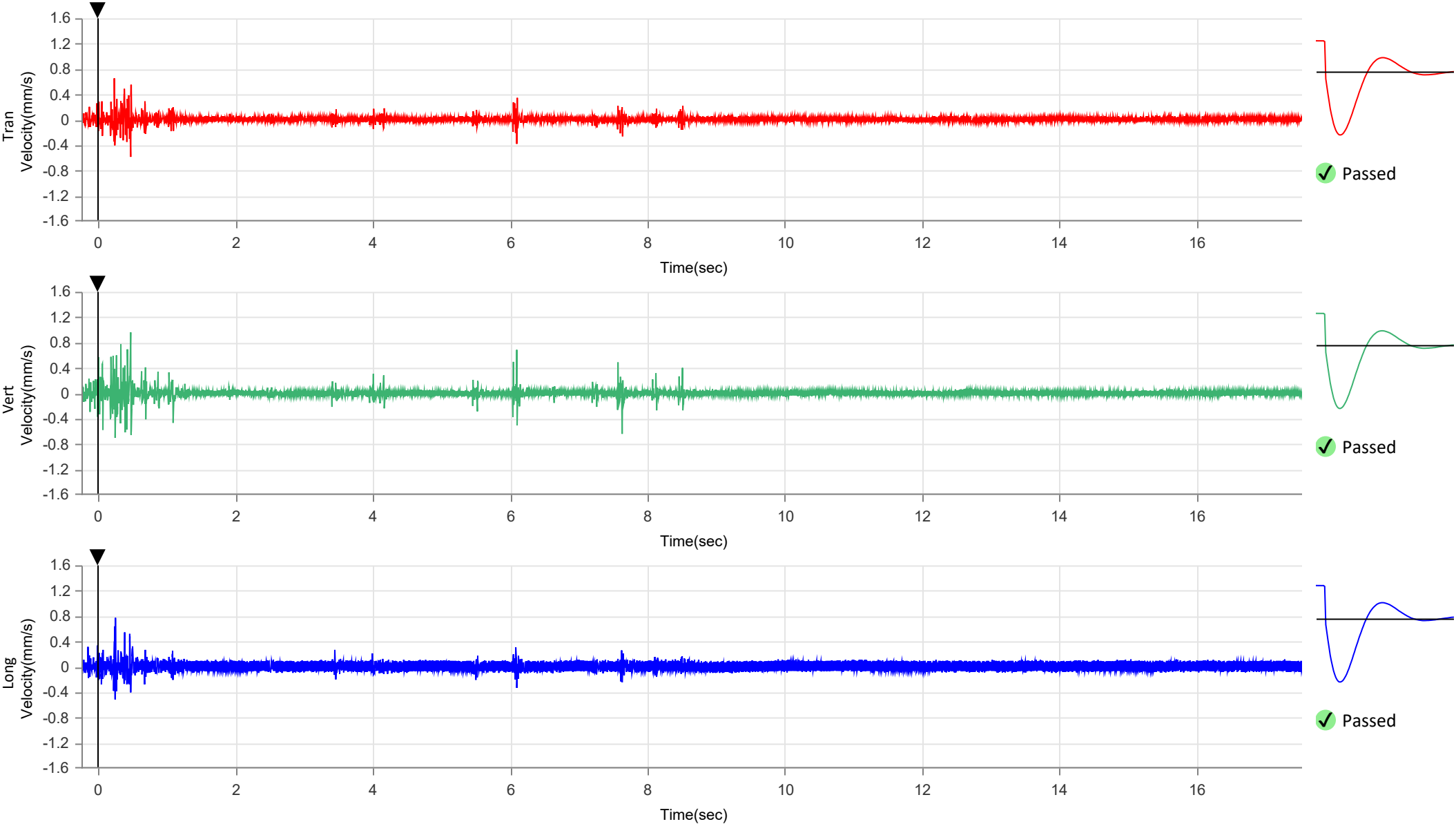
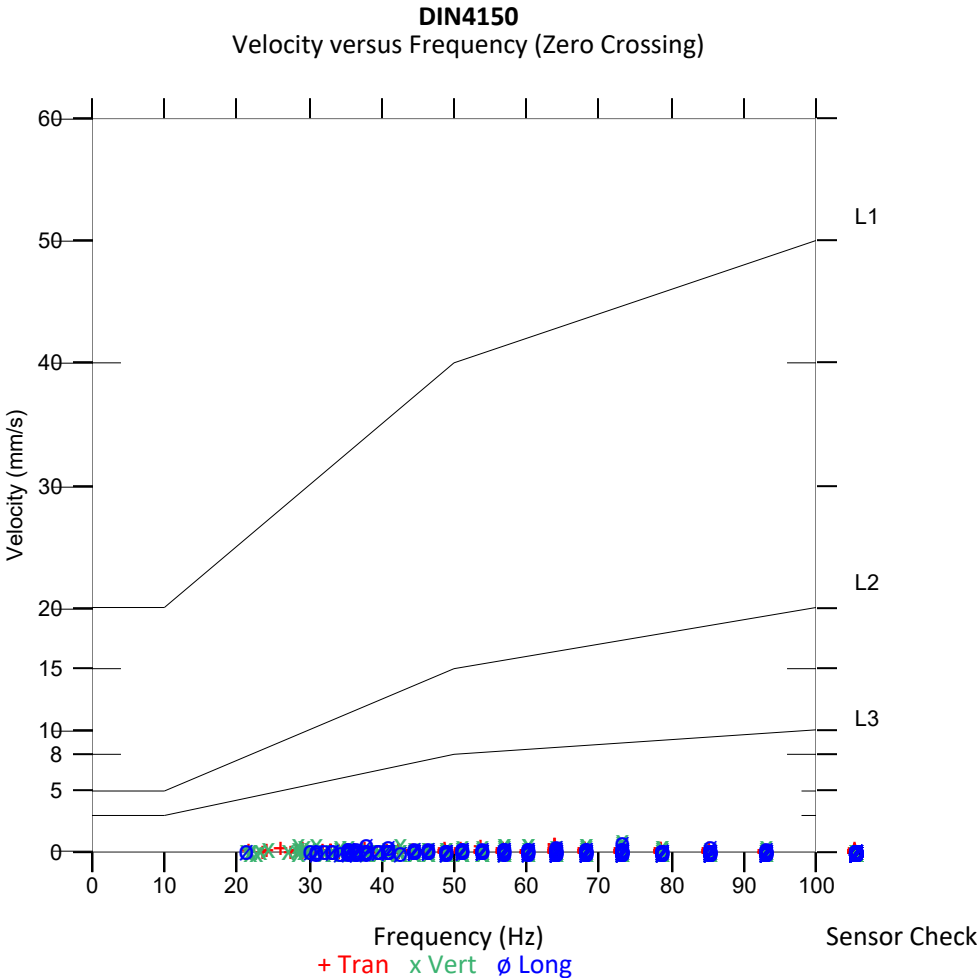
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221029121700.IDFW
Disabled

Notes
Location MM-21, Plavje 44a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.654 mm/s	0.962 mm/s	0.772 mm/s
Zero Crossing Frequency	64.0 Hz	73.1 Hz	73.1 Hz
Time (Relative to Trigger)	0.230 sec	0.468 sec	0.247 sec
Peak Acceleration	0.031 g	0.053 g	0.046 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.3	4.2	3.7
Peak Vector Sum	1.184 mm/s at 0.468 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:34
Geo 0.500 mm/s
0.25 sec/18.8 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221030095434.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-21, Plavje 44a

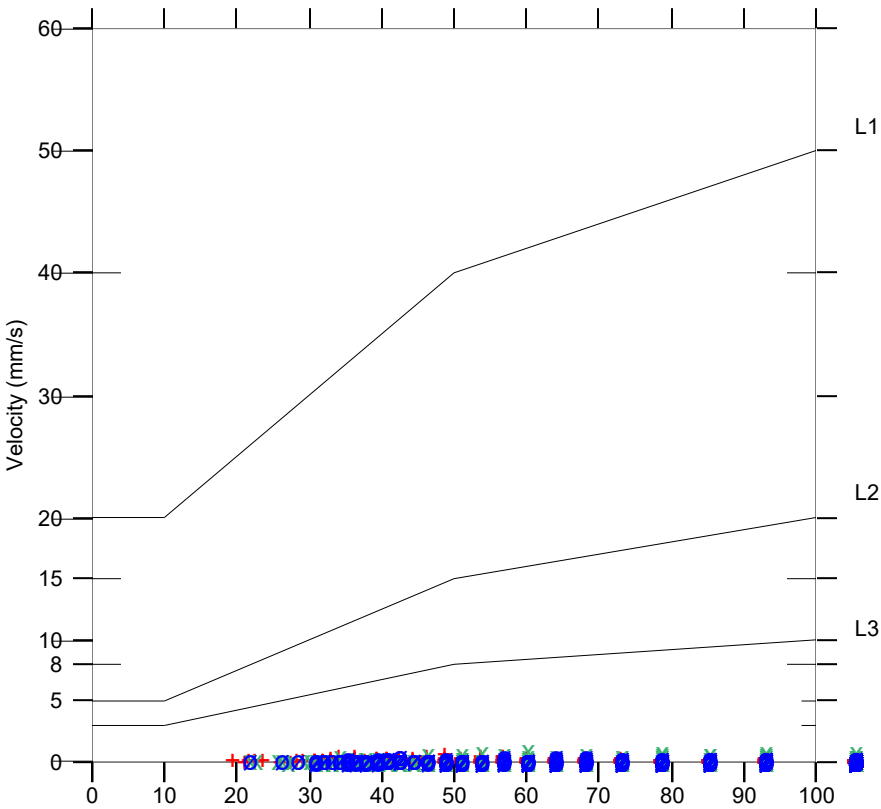
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

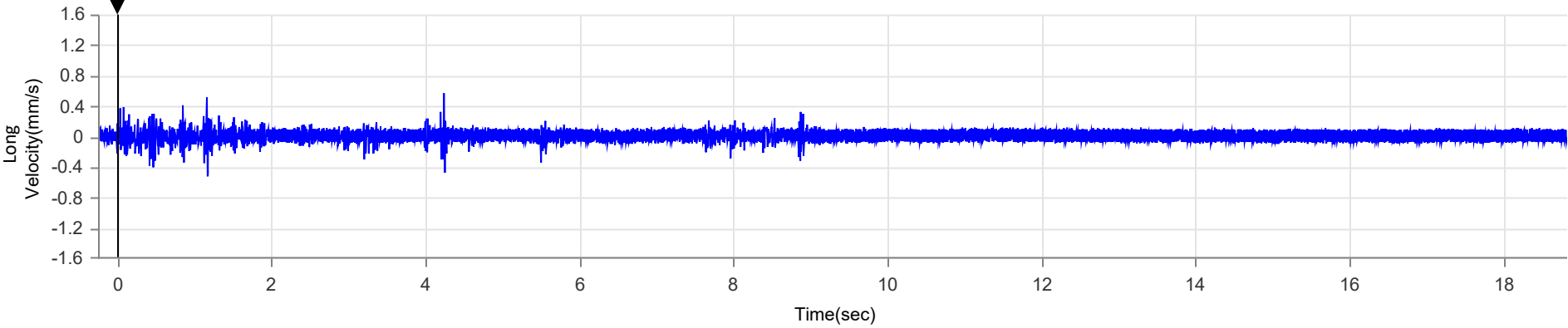
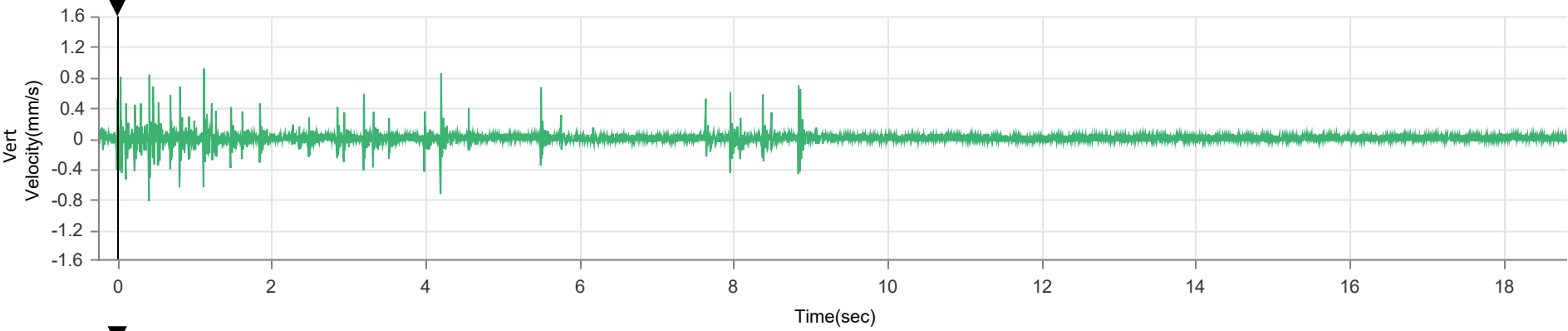
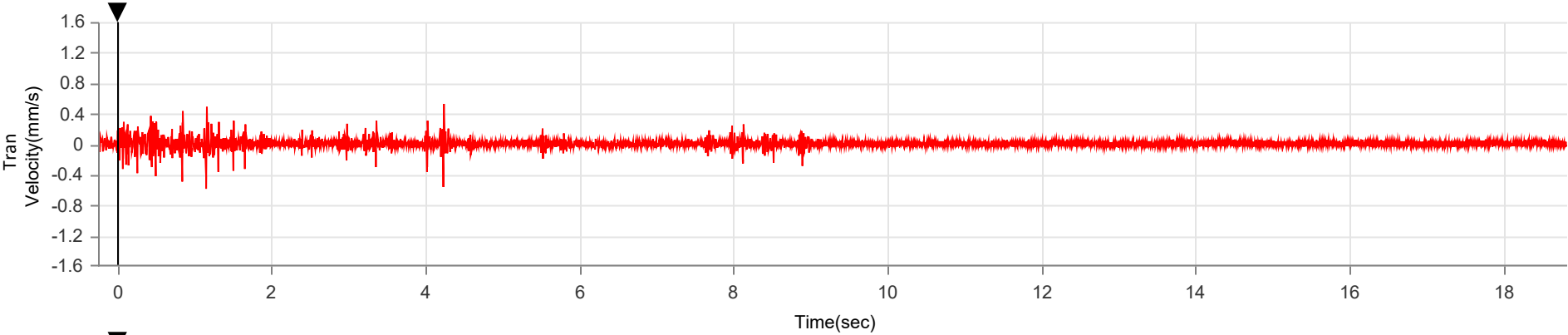
Tran	Vert	Long
0.583 mm/s	0.914 mm/s	0.567 mm/s
48.8 Hz	60.2 Hz	64.0 Hz
1.156 sec	1.127 sec	4.244 sec
0.028 g	0.063 g	0.028 g
0.002 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.8

Peak Vector Sum 0.945 mm/s at 1.127 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:56
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221030112956.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-21, Plavje 44a

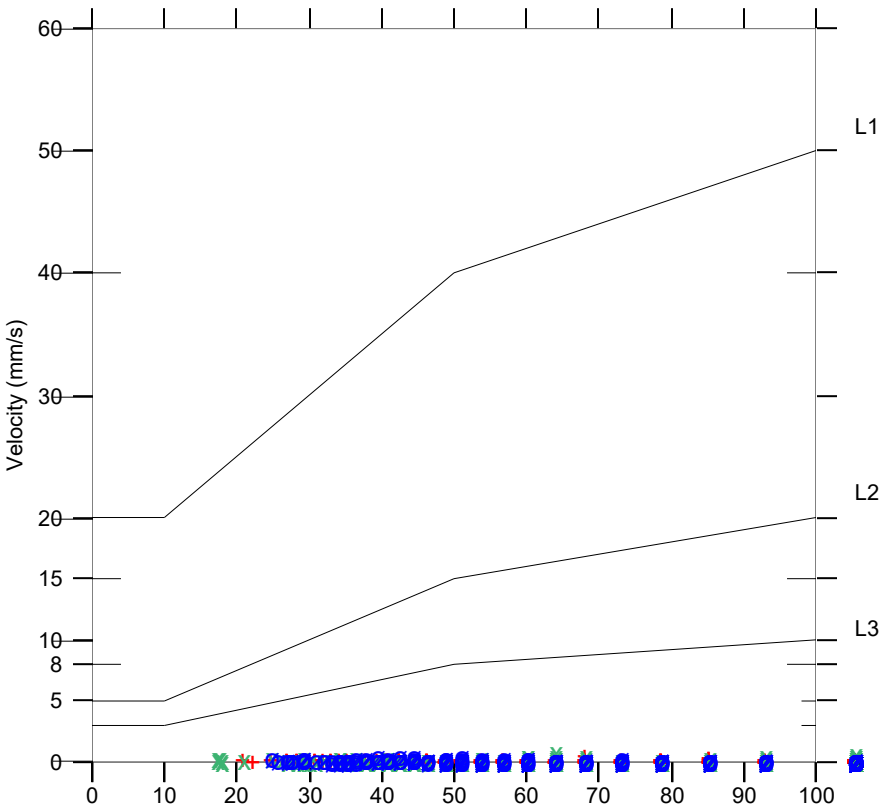
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.520 mm/s	0.765 mm/s	0.552 mm/s
68.3 Hz	64.0 Hz	51.2 Hz
0.040 sec	4.041 sec	7.417 sec
0.025 g	0.058 g	0.023 g
0.001 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.8

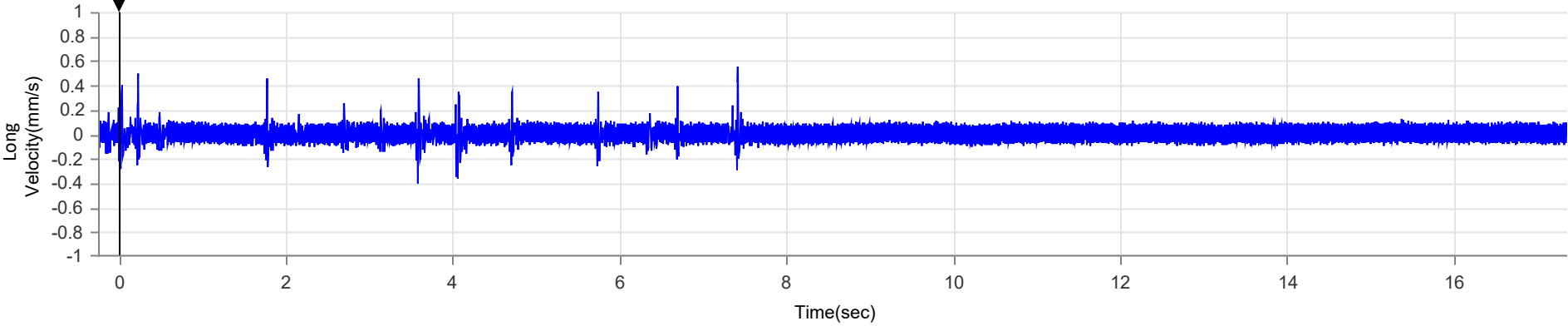
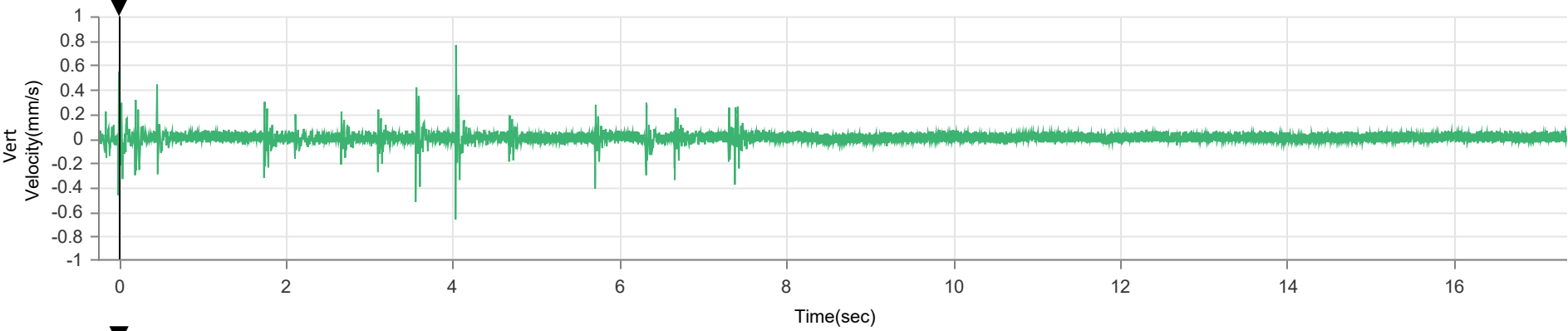
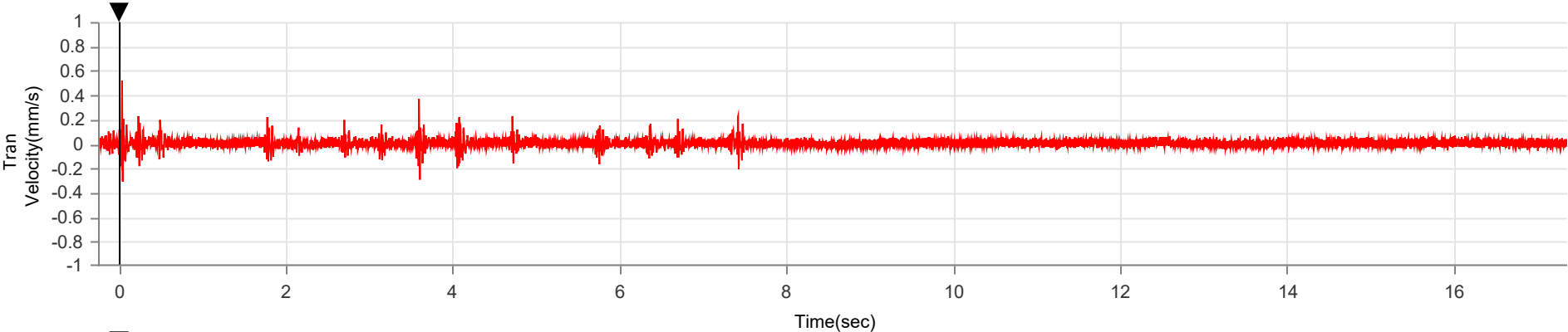
Peak Vector Sum 0.809 mm/s at 4.042 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long

Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 14:19:08
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221030141908.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-21, Plavje 44a

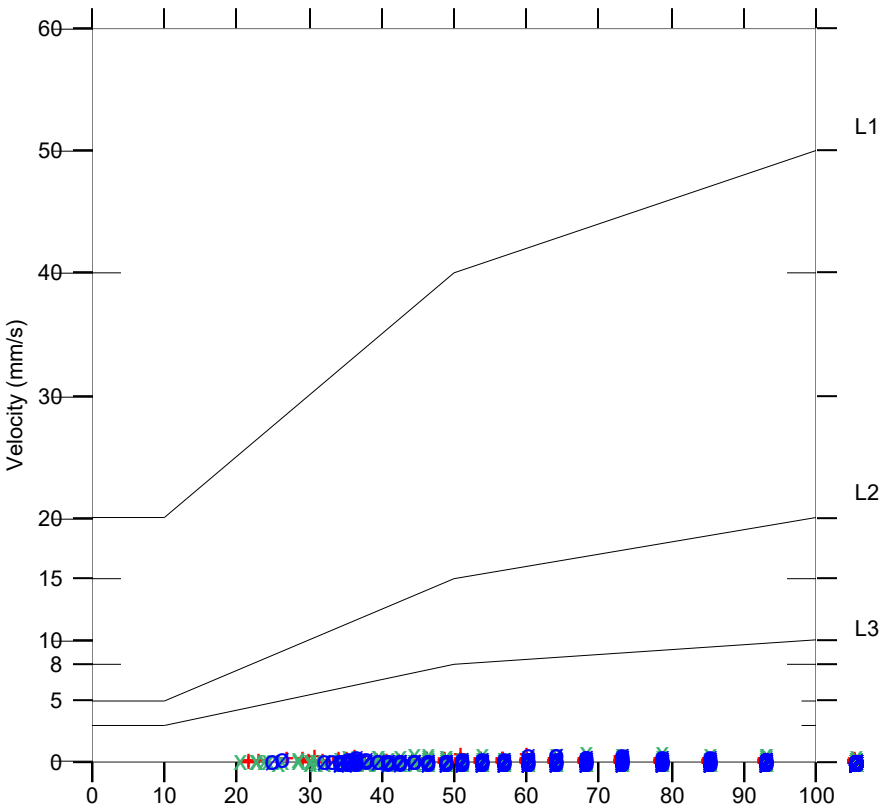
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.631 mm/s	0.765 mm/s	0.678 mm/s
53.9 Hz	68.3 Hz	60.2 Hz
5.632 sec	0.631 sec	5.627 sec
0.031 g	0.066 g	0.031 g
0.002 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.9 Hz	6.9 Hz
4.3	4.2	3.8

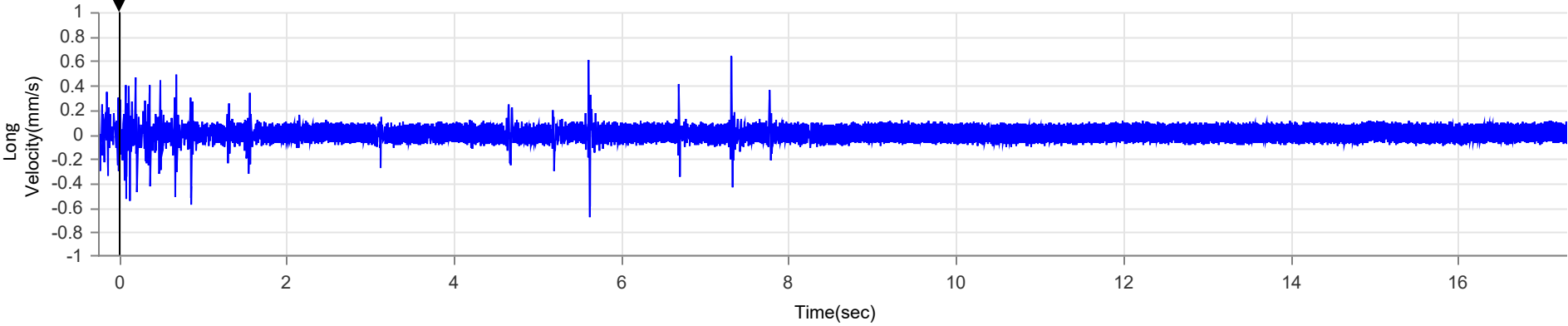
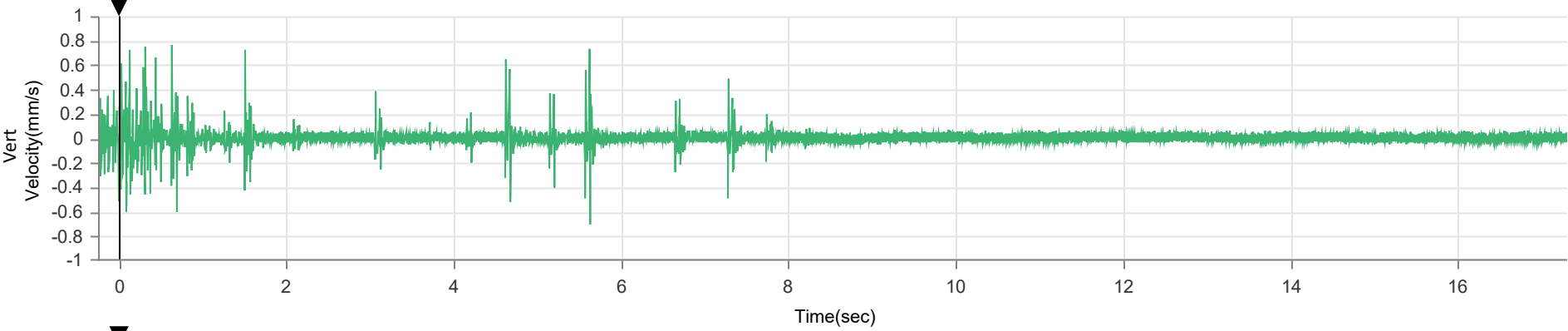
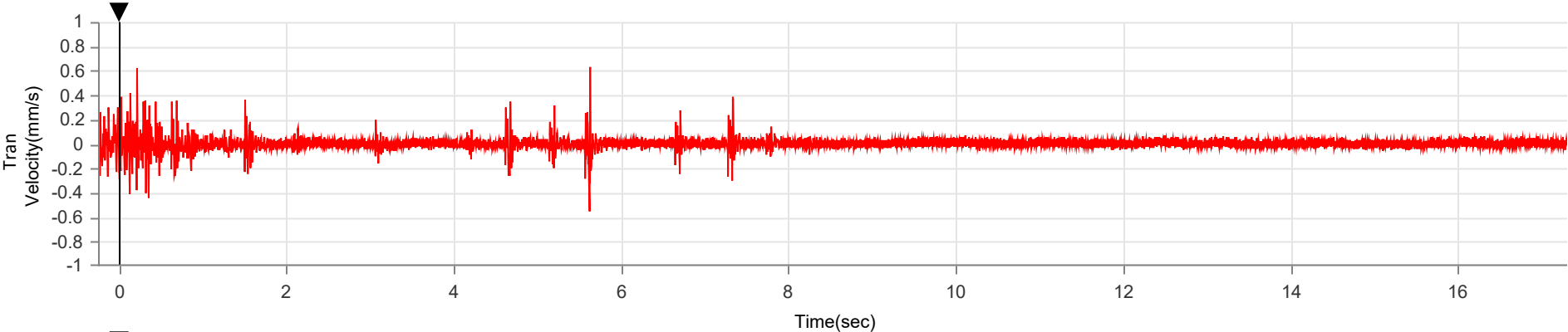
Peak Vector Sum 0.946 mm/s at 5.632 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check

Frequency (Hz)
+ Tran x Vert ø Long





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:44
Geo 0.500 mm/s
0.25 sec/17.6 sec (Auto)
2048 sps
factory.mmb
Operator

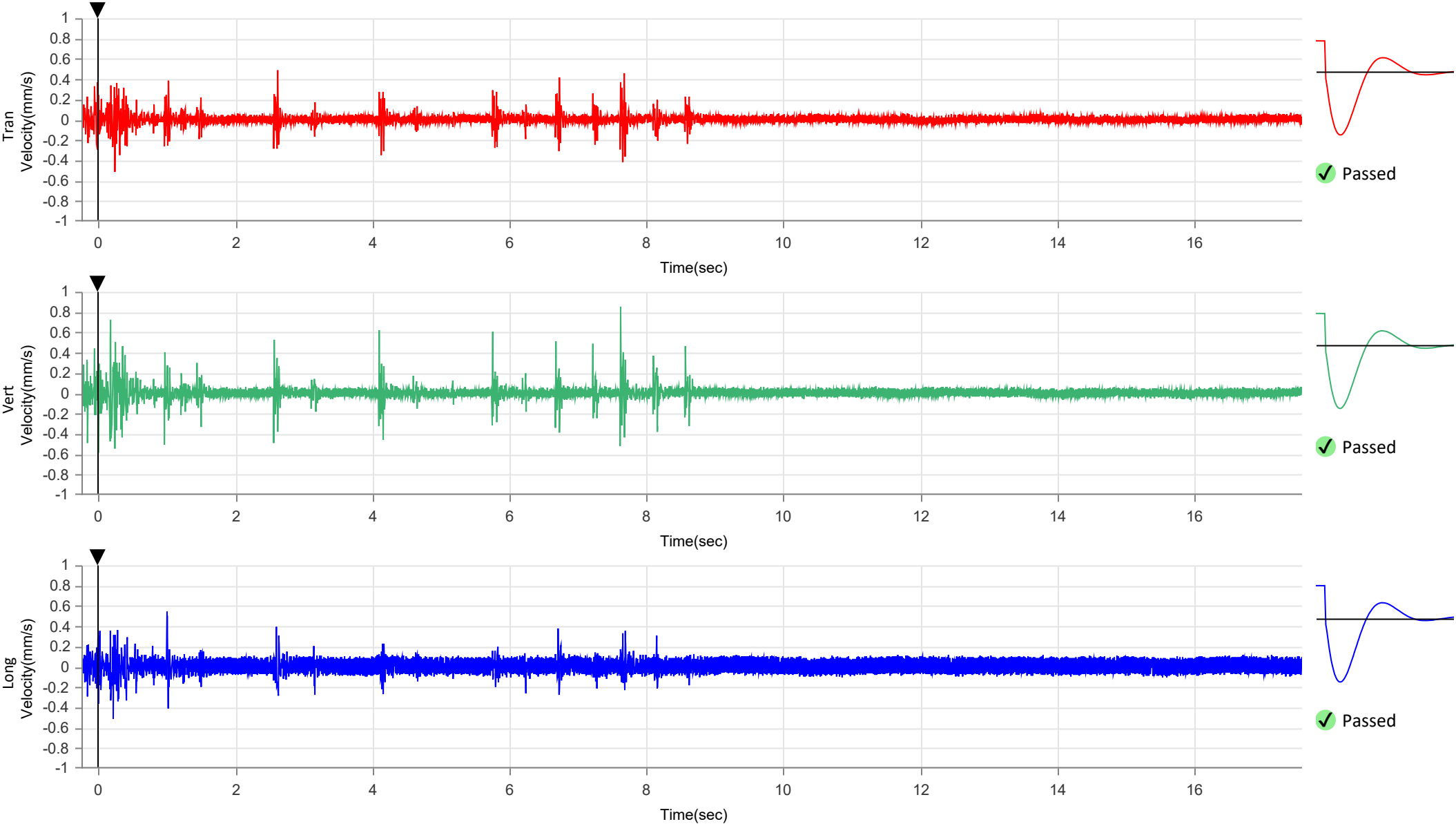
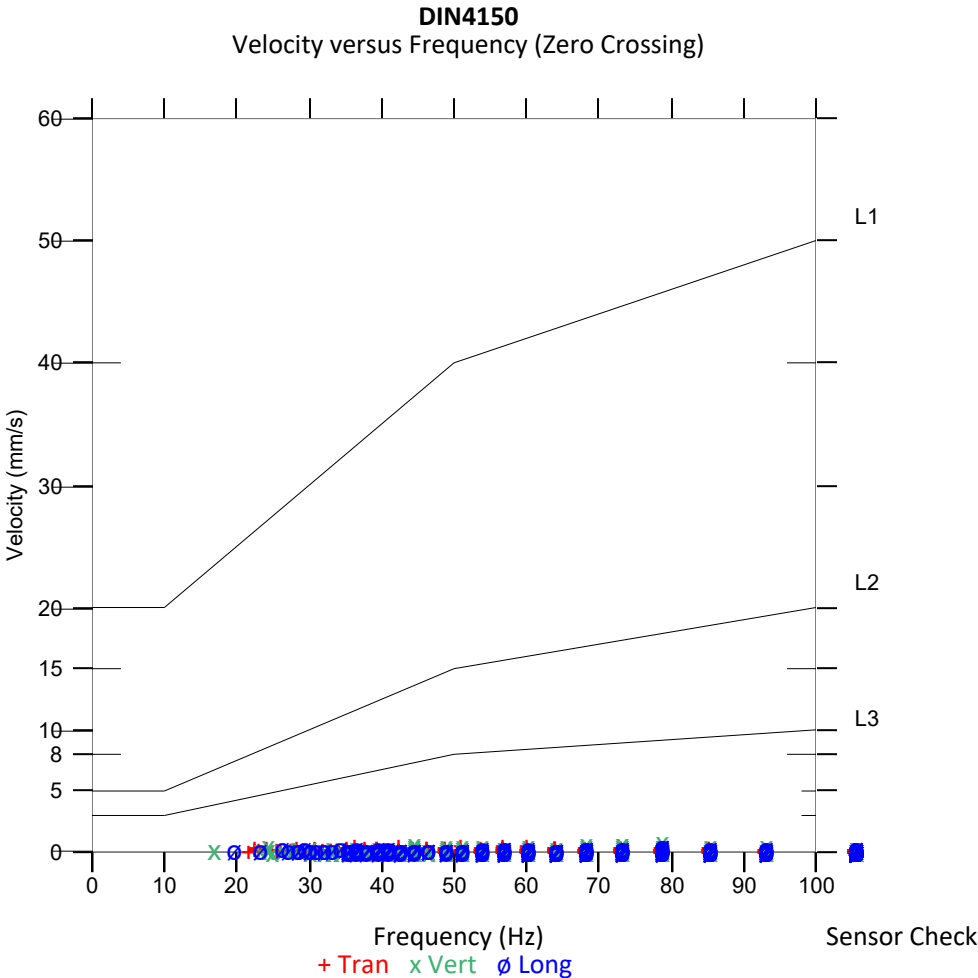
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18300
Micromate DIN 10.90
3.8 volts
June 15, 2022 by RGN Zagreb
UM18300_20221031130444.IDFW
Disabled

Notes
Location MM-21, Plavje 44a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.512 mm/s	0.851 mm/s	0.544 mm/s
Zero Crossing Frequency	60.2 Hz	78.8 Hz	78.8 Hz
Time (Relative to Trigger)	0.240 sec	7.625 sec	1.001 sec
Peak Acceleration	0.039 g	0.061 g	0.028 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.9 Hz	6.9 Hz
Overswing Ratio	4.3	4.2	3.8
Peak Vector Sum	0.934 mm/s at 7.625 sec		



PRILOGA 1.10:
Rezultati meritev

- MM-22 (Plavje 43/43a) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 11:30:11
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221024113011.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

Post Event Notes No text to be displayed.

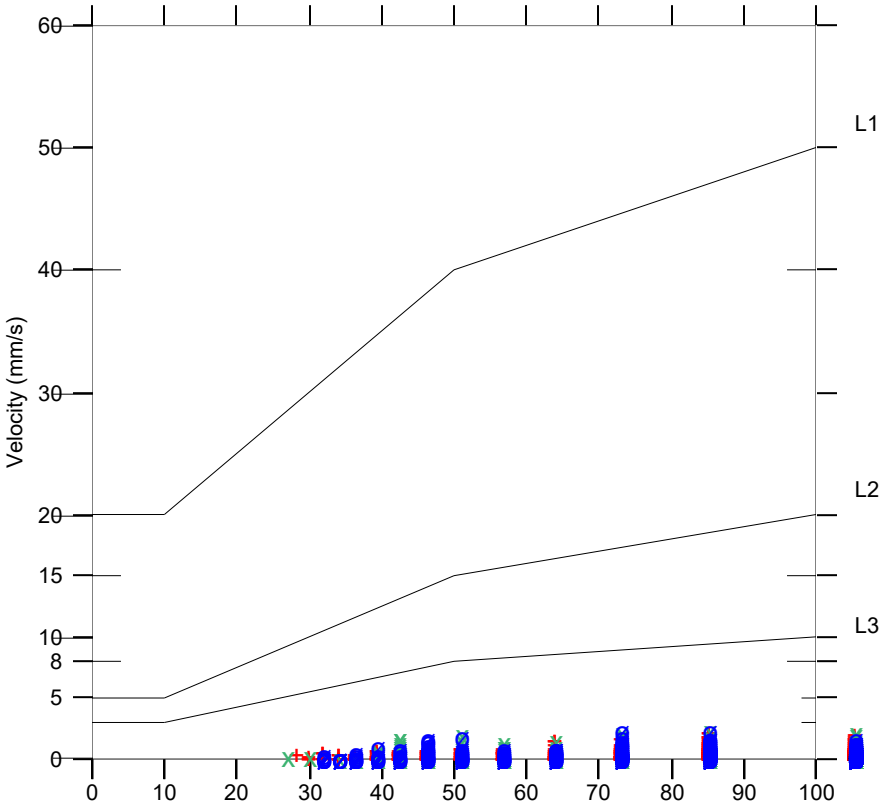
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

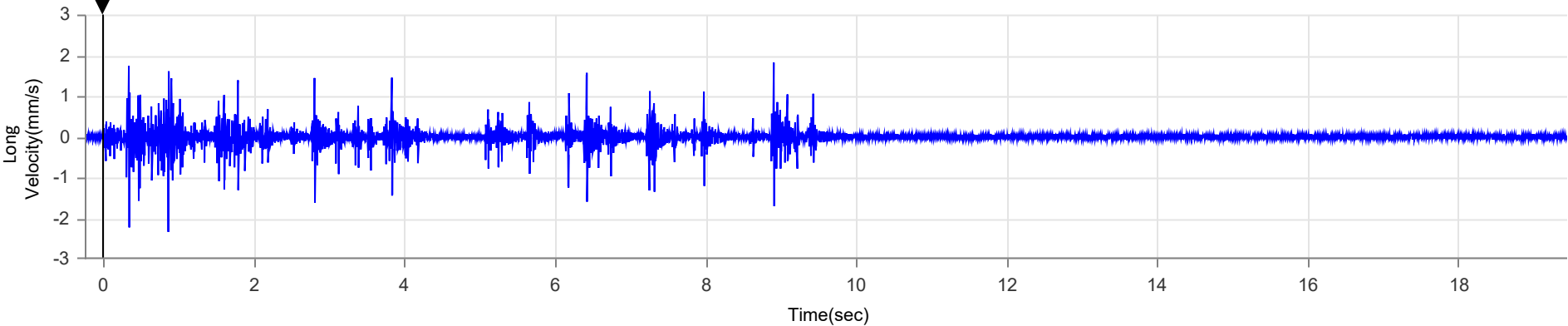
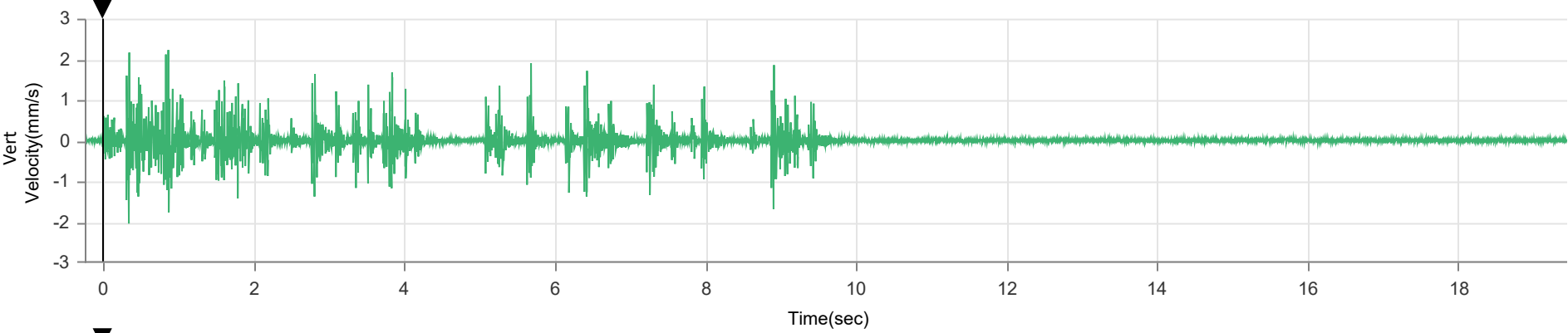
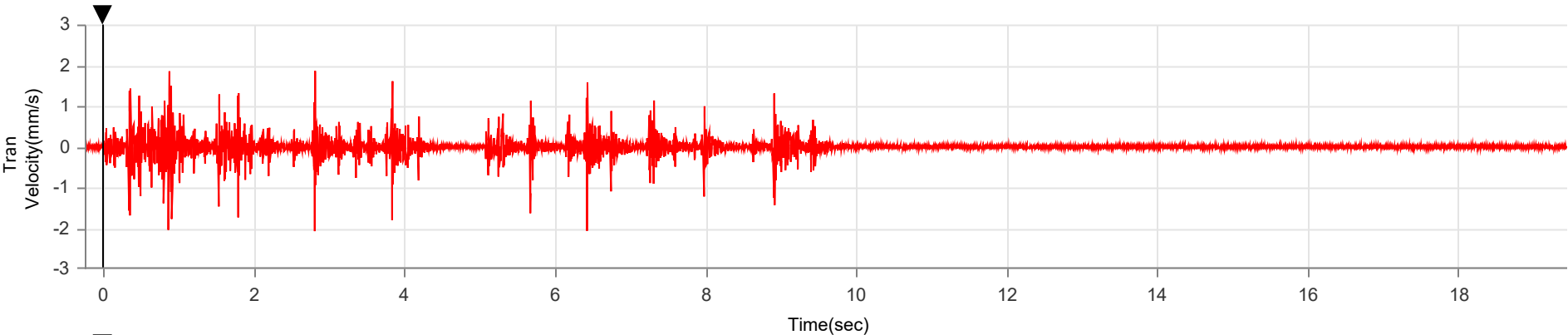
Tran	Vert	Long
2.073 mm/s	2.231 mm/s	2.333 mm/s
85.3 Hz	85.3 Hz	73.1 Hz
2.808 sec	0.862 sec	0.862 sec
0.132 g	0.164 g	0.120 g
0.004 mm	0.005 mm	0.005 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

Peak Vector Sum 3.819 mm/s at 0.862 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 09:21:34
Geo 0.500 mm/s
0.25 sec/19.4 sec (Auto)
1024 sps
factory.mmb
Operator

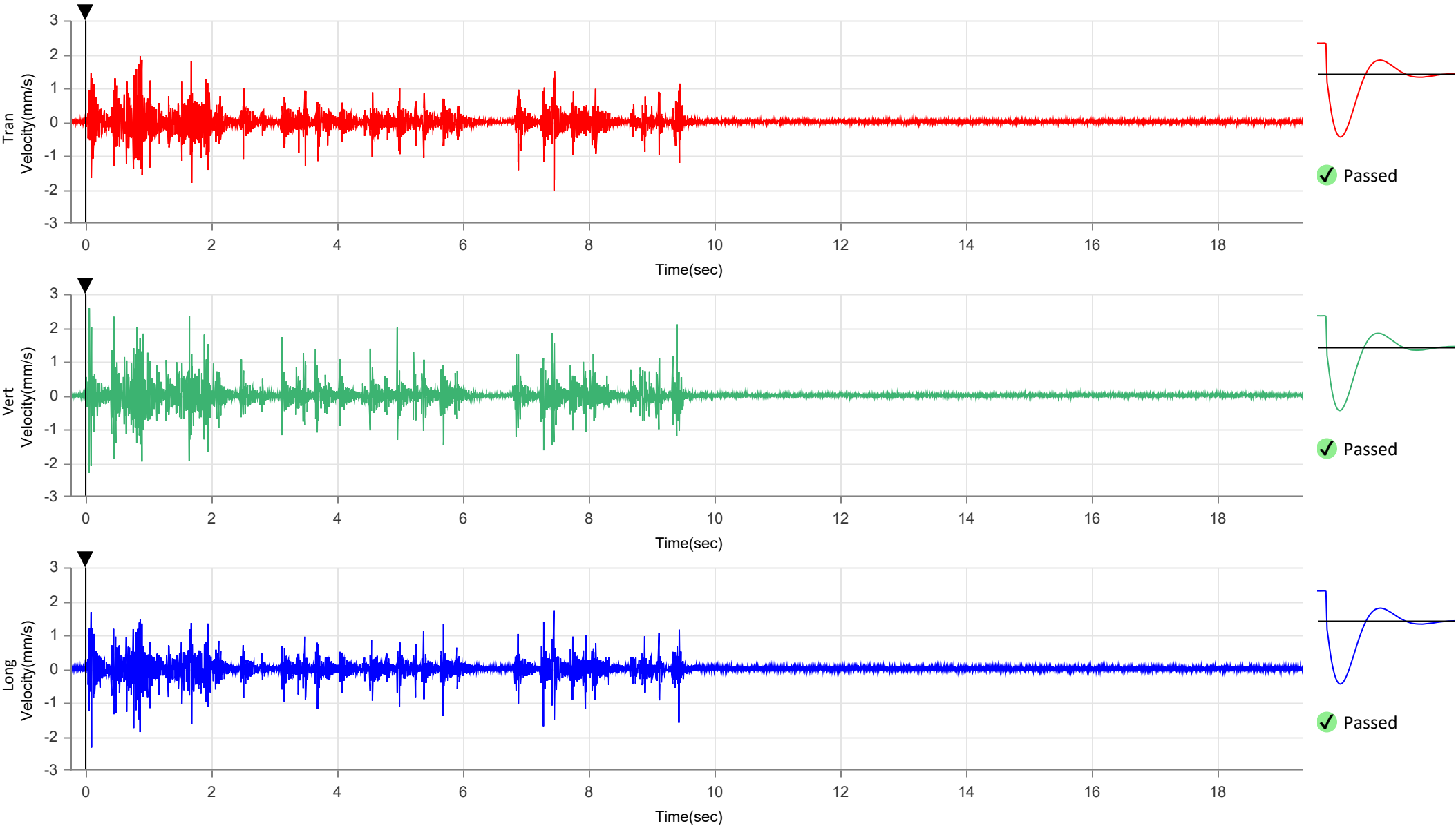
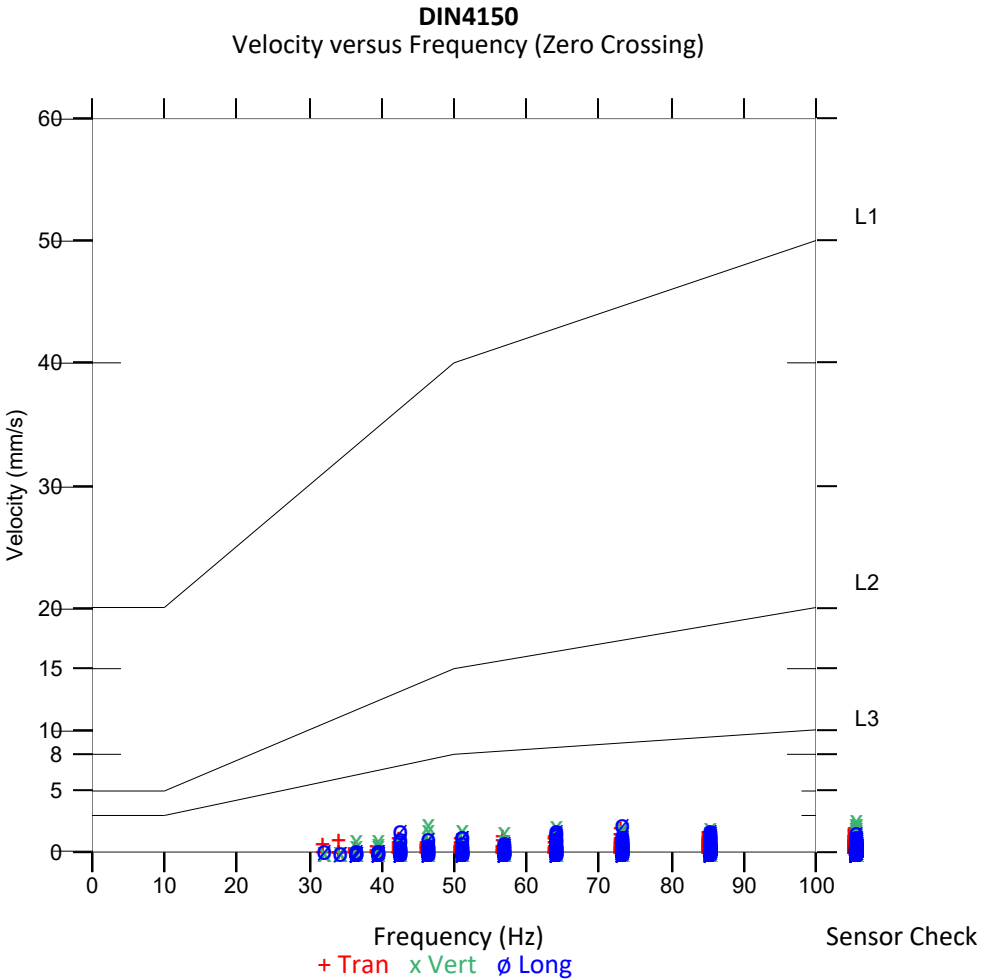
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221025092134.IDFW
Disabled

Notes
Location MM-22, Plavje 43
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.026 mm/s	2.577 mm/s	2.325 mm/s
Zero Crossing Frequency	>100 Hz	>100 Hz	73.1 Hz
Time (Relative to Trigger)	7.448 sec	0.050 sec	0.084 sec
Peak Acceleration	0.133 g	0.255 g	0.146 g
Peak Displacement	0.004 mm	0.005 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.3	4.7
Peak Vector Sum	3.394 mm/s at 0.084 sec		



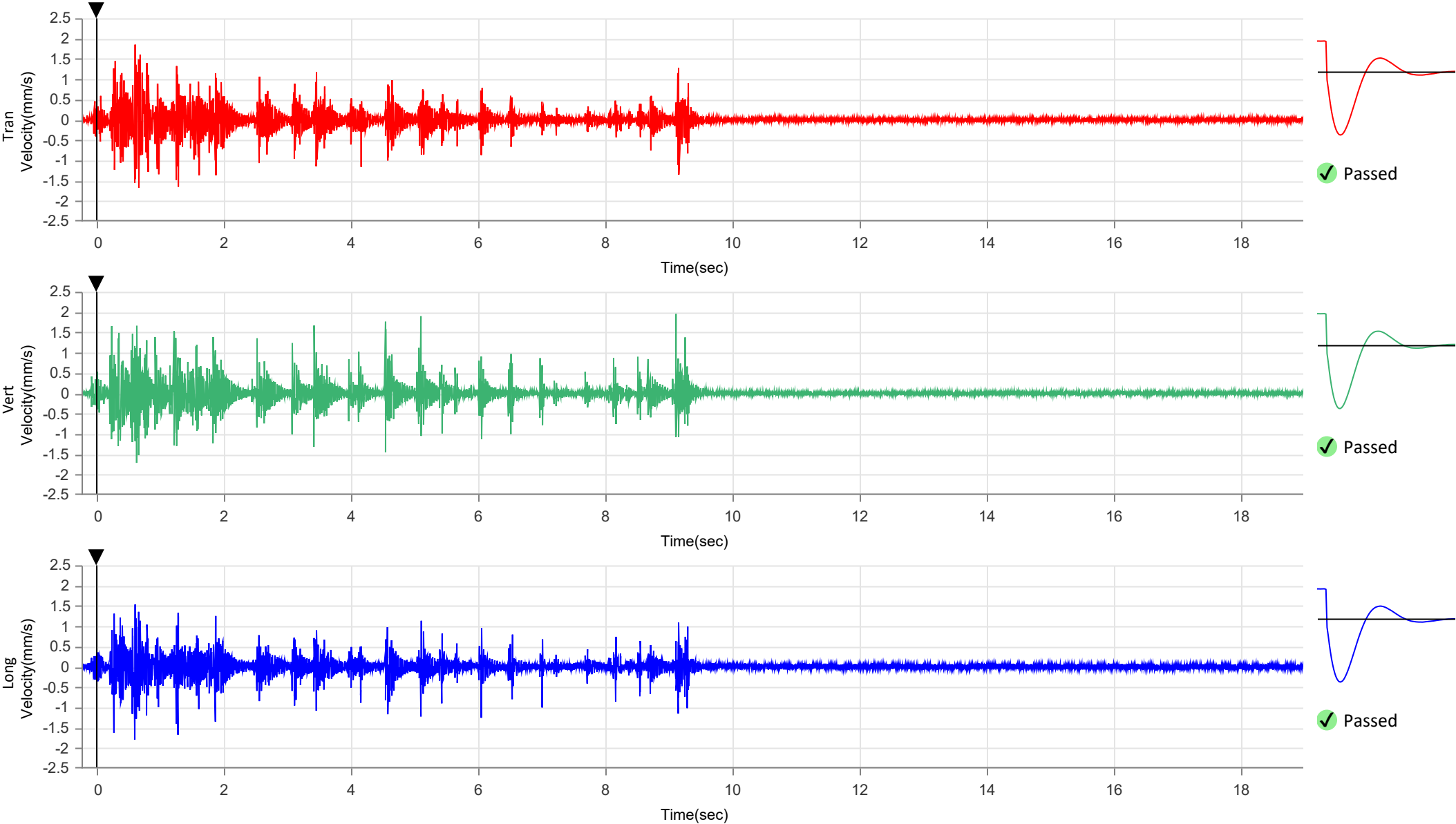
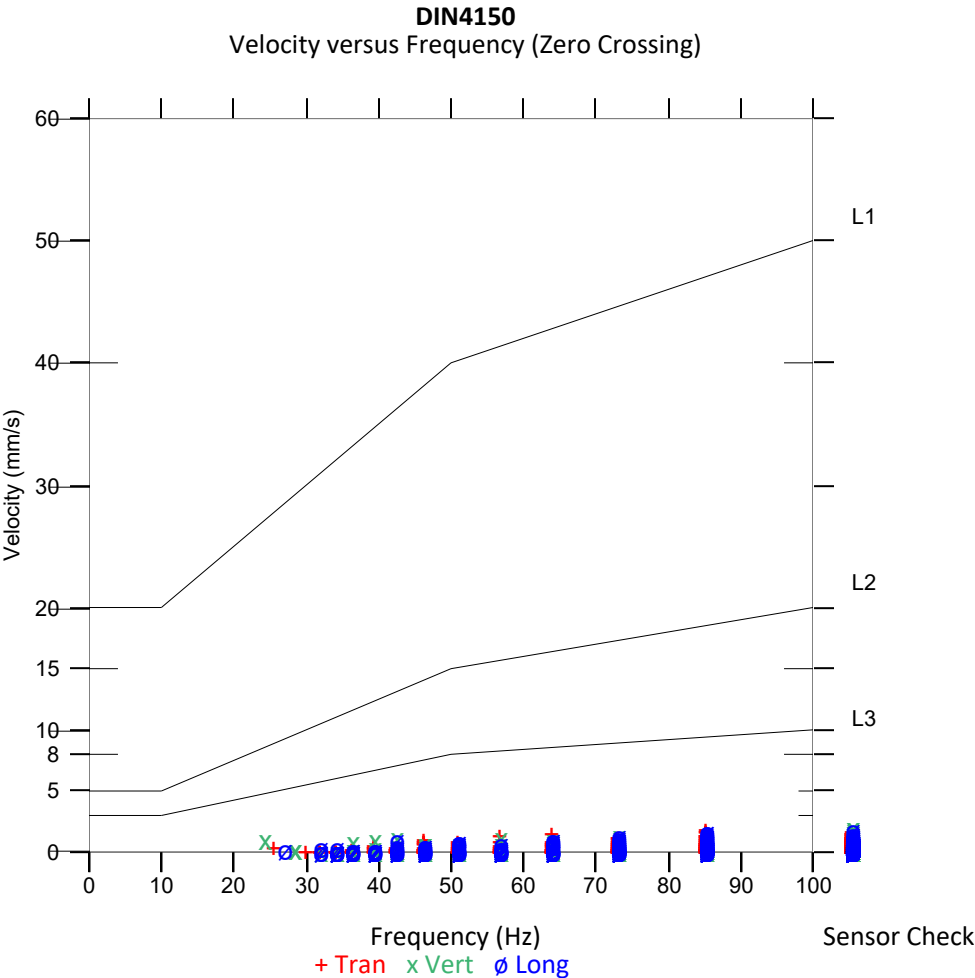


Waveform Trigger Source	Vert at October 26, 2022 11:12:53	Serial Number	UM15840
Trigger Level(s)	Geo 0.500 mm/s	Model Number	Micromate DIN 10.90FB
Pre-Trigger/Record Time	0.25 sec/19.0 sec (Auto)	Battery Level	3.8 volts
Sample Rate	1024 sps	Unit Calibration	June 15, 2022 by RGN Zagreb
Setup File Name	factory.mmb	Event File Name	UM15840_20221026111253.IDFW
Operator	Operator	USB Sensor Support	Disabled

Notes	
Location	MM-22, Plavje 43
Client	
Company	
General Notes	

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.852 mm/s	1.955 mm/s	1.789 mm/s
Zero Crossing Frequency	>100 Hz	>100 Hz	>100 Hz
Time (Relative to Trigger)	0.594 sec	9.106 sec	0.589 sec
Peak Acceleration	0.120 g	0.201 g	0.125 g
Peak Displacement	0.003 mm	0.004 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.3	4.7
Peak Vector Sum	2.678 mm/s at 0.594 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 16:42:58
Geo 0.500 mm/s
0.25 sec/19.0 sec (Auto)
1024 sps
factory.mmb
Operator

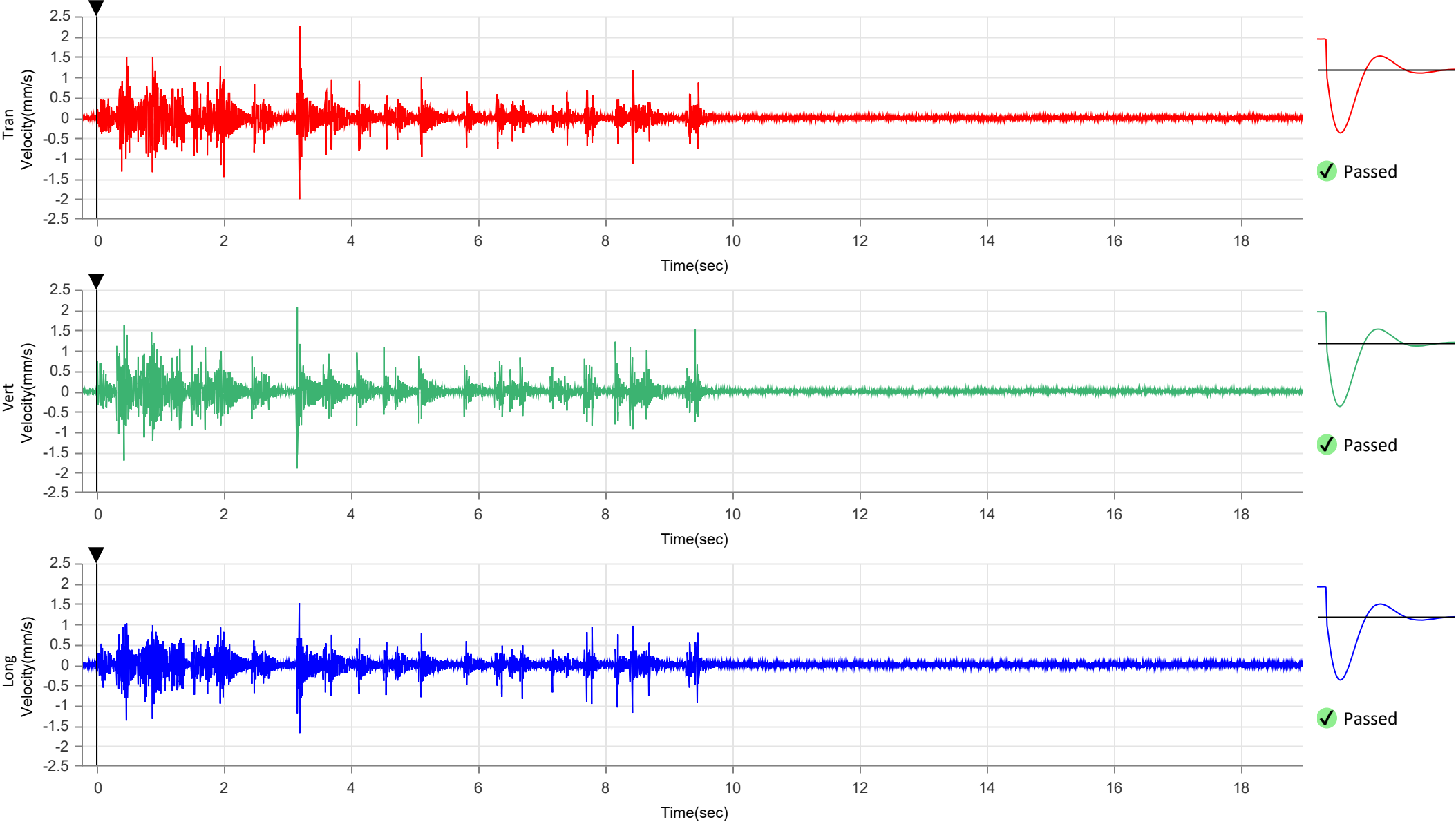
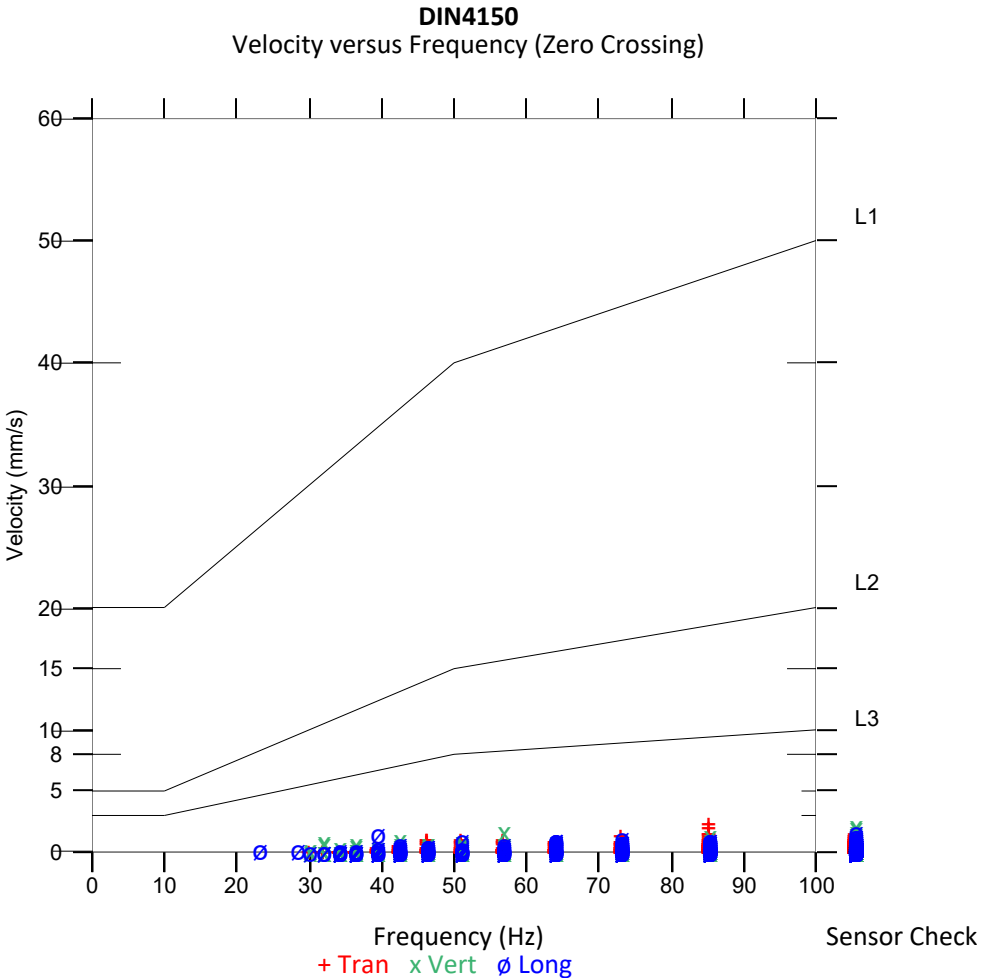
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221026164258.IDFW
Disabled

Notes
Location MM-22, Plavje 43
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.246 mm/s	2.065 mm/s	1.679 mm/s
Zero Crossing Frequency	85.3 Hz	>100 Hz	>100 Hz
Time (Relative to Trigger)	3.188 sec	3.147 sec	3.184 sec
Peak Acceleration	0.123 g	0.264 g	0.096 g
Peak Displacement	0.004 mm	0.002 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.4	4.3	4.7
Peak Vector Sum	2.605 mm/s at 3.183 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 08:51:24
Geo 0.500 mm/s
0.25 sec/9.8 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221027085124.IDFW
Disabled

Notes
Location
Client
Company
General Notes

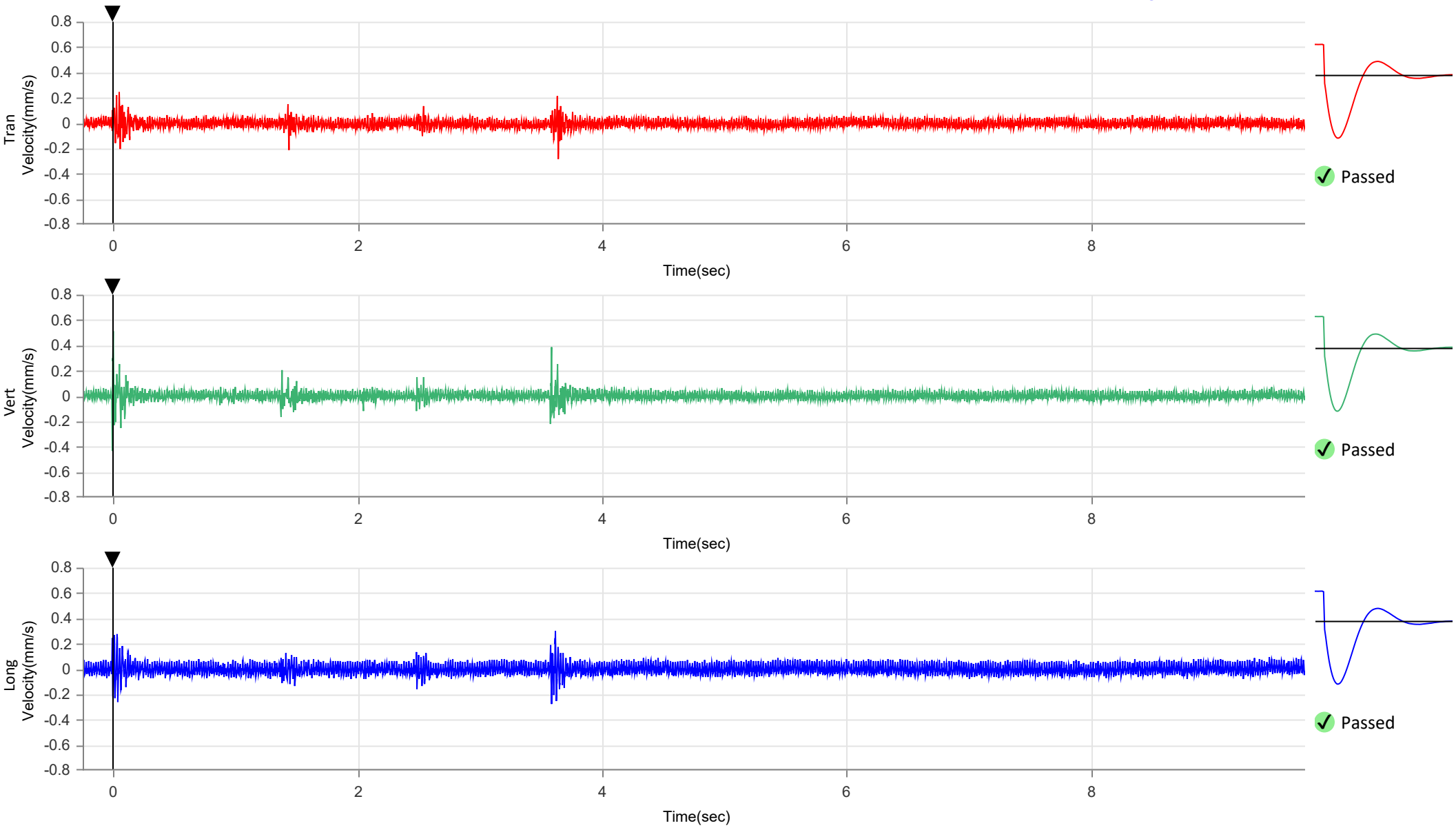
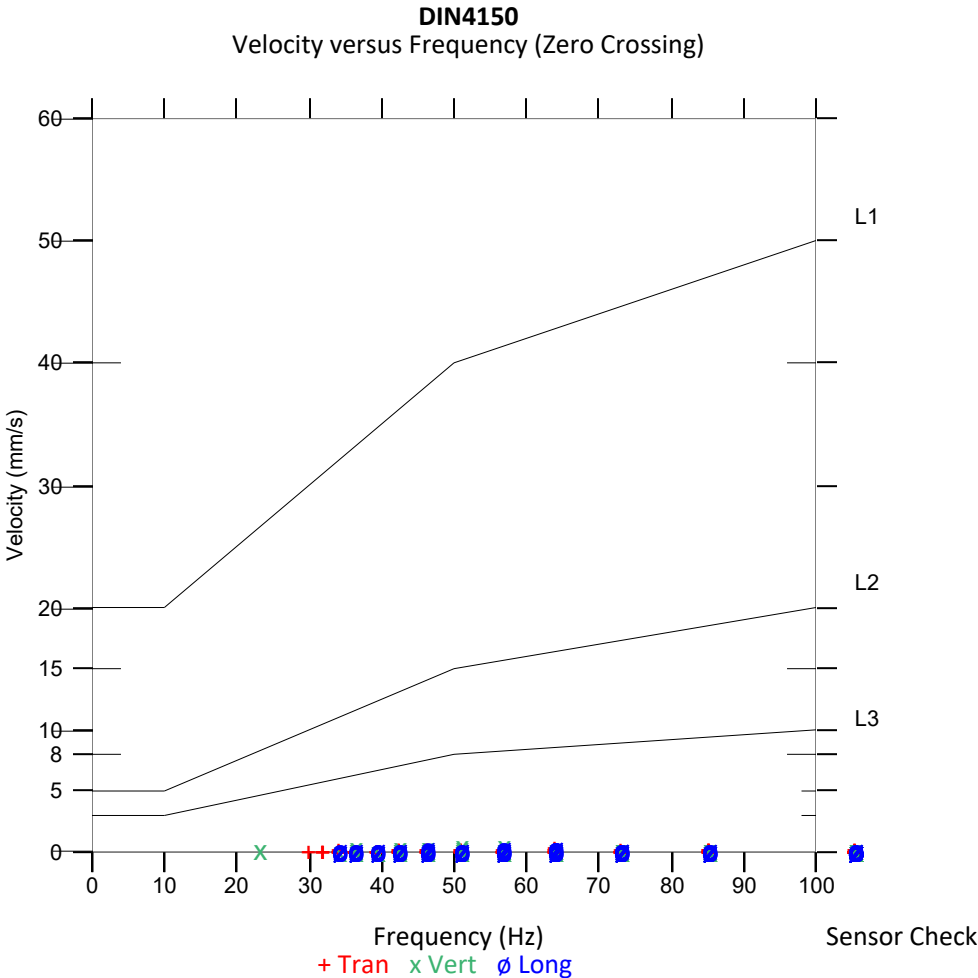
MM-22, Plavje 43

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.284 mm/s	0.512 mm/s	0.300 mm/s
64.0 Hz	56.9 Hz	64.0 Hz
3.642 sec	0.000 sec	3.617 sec
0.012 g	0.027 g	0.018 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

Peak Vector Sum 0.571 mm/s at 0.000 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 11:57:29
Geo 0.500 mm/s
0.25 sec/18.9 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221027115729.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

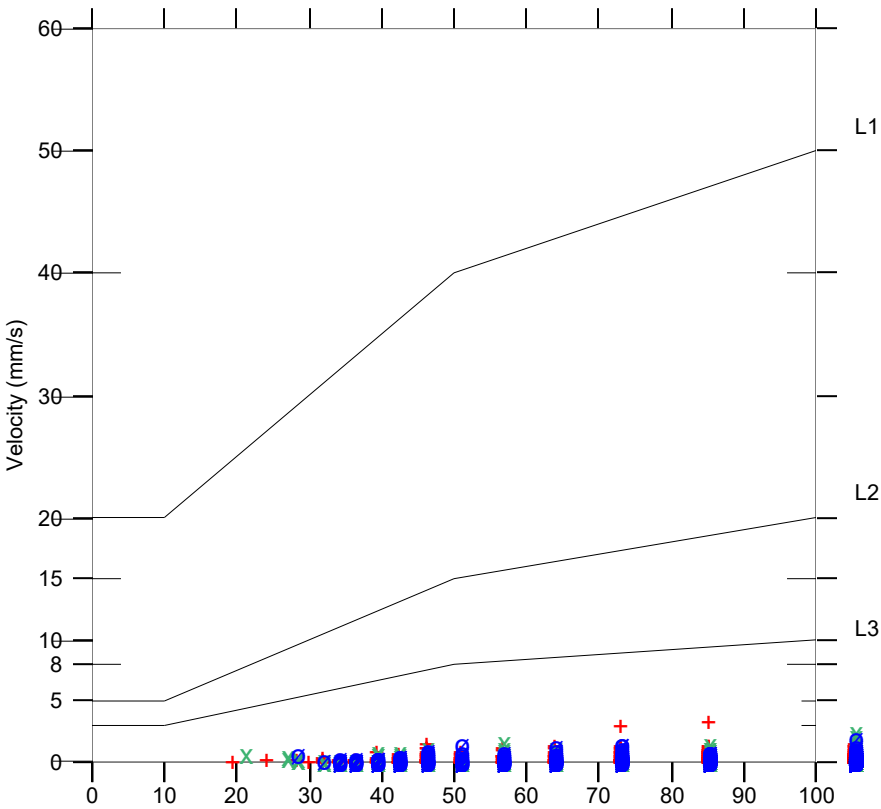
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
3.326 mm/s	2.435 mm/s	1.915 mm/s
85.3 Hz	>100 Hz	>100 Hz
2.815 sec	2.771 sec	2.811 sec
0.184 g	0.239 g	0.107 g
0.006 mm	0.003 mm	0.004 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

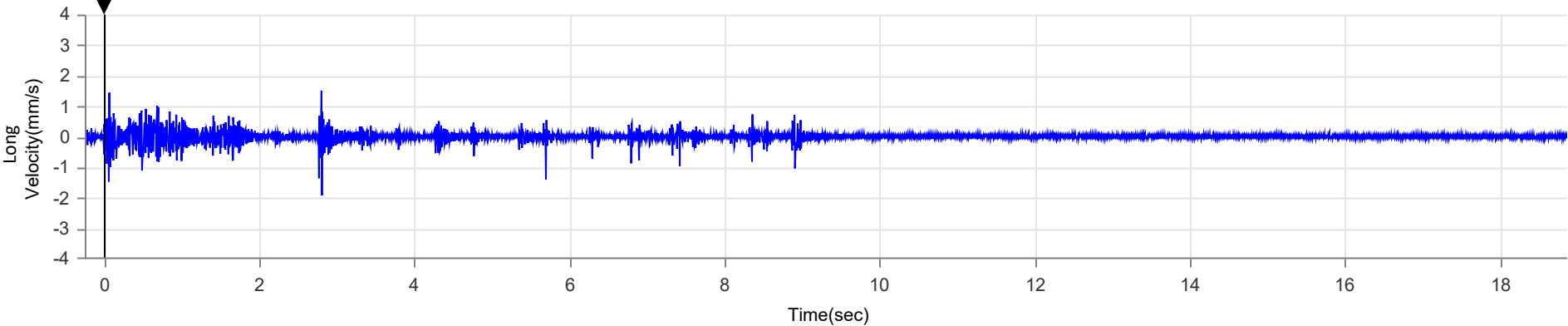
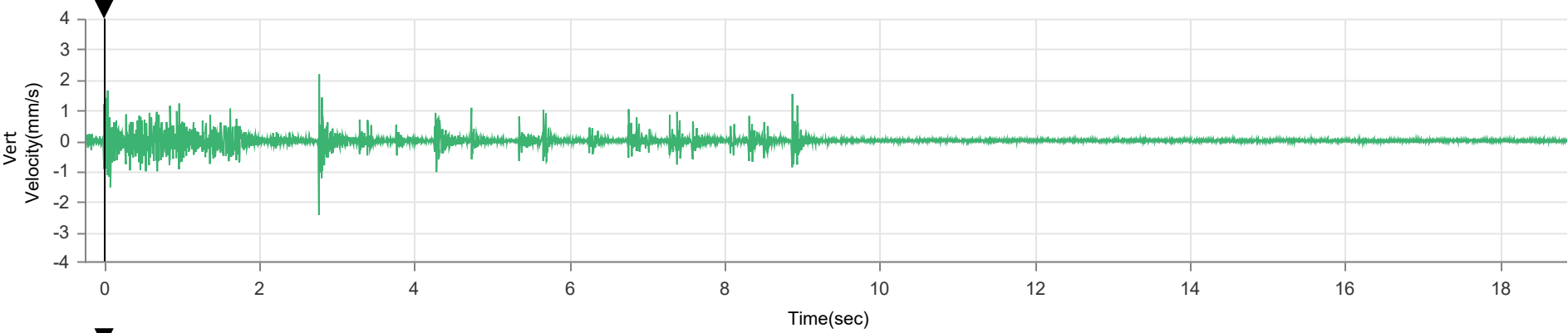
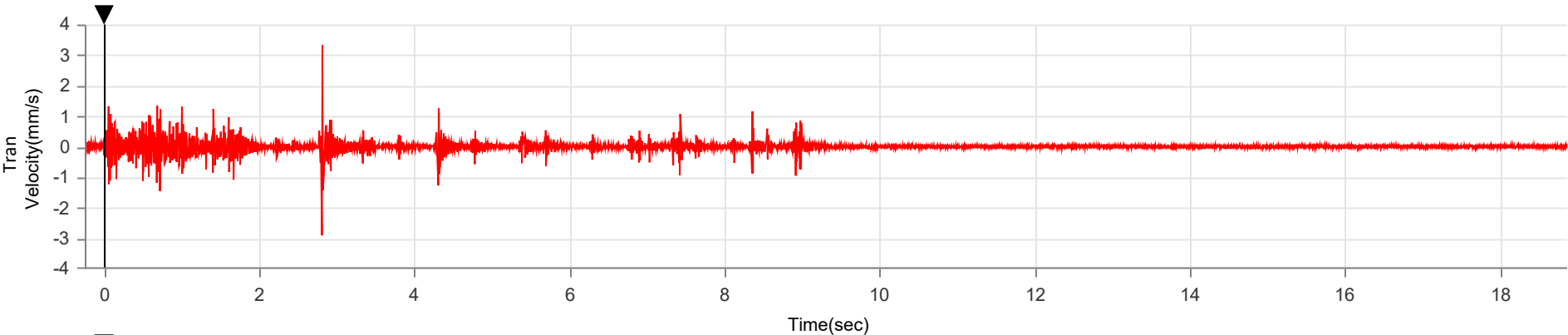
Peak Vector Sum 3.667 mm/s at 2.815 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check

Frequency (Hz)
+ Tran x Vert ø Long





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 13:04:37
Geo 0.500 mm/s
0.25 sec/15.4 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221027130437.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

Post Event Notes No text to be displayed.

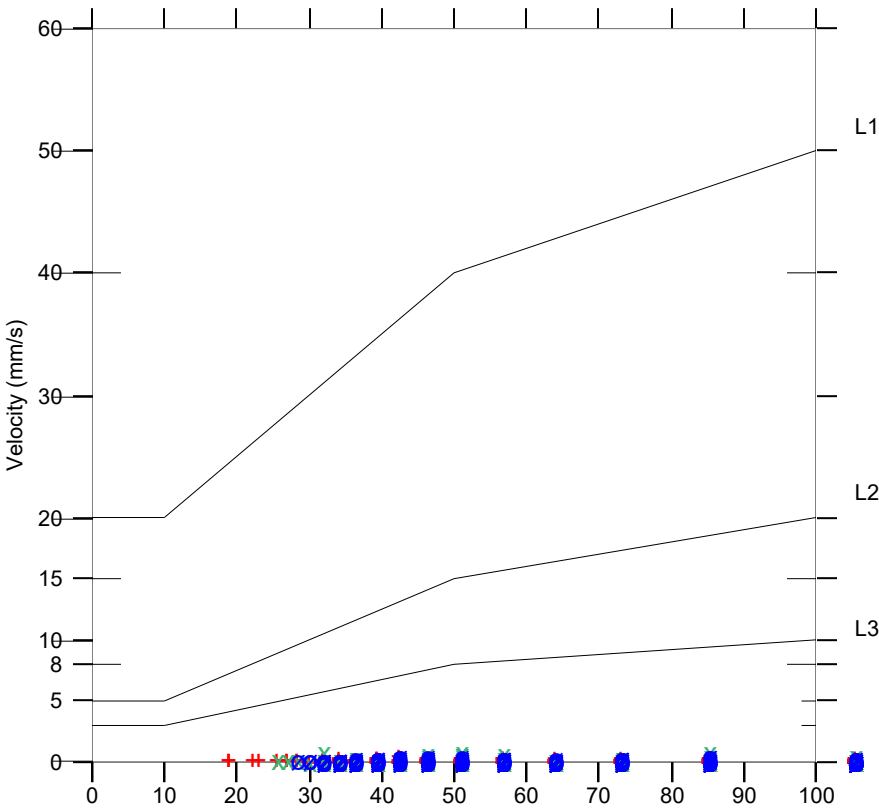
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.434 mm/s	0.828 mm/s	0.497 mm/s
46.5 Hz	32.0 Hz	51.2 Hz
5.566 sec	1.155 sec	0.006 sec
0.019 g	0.059 g	0.031 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

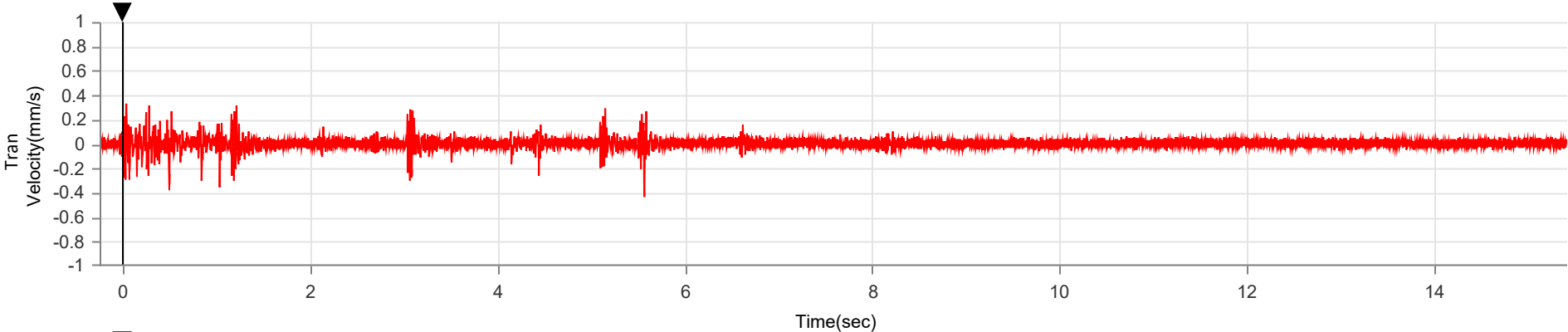
Peak Vector Sum 0.917 mm/s at 1.155 sec

DIN4150
Velocity versus Frequency (Zero Crossing)

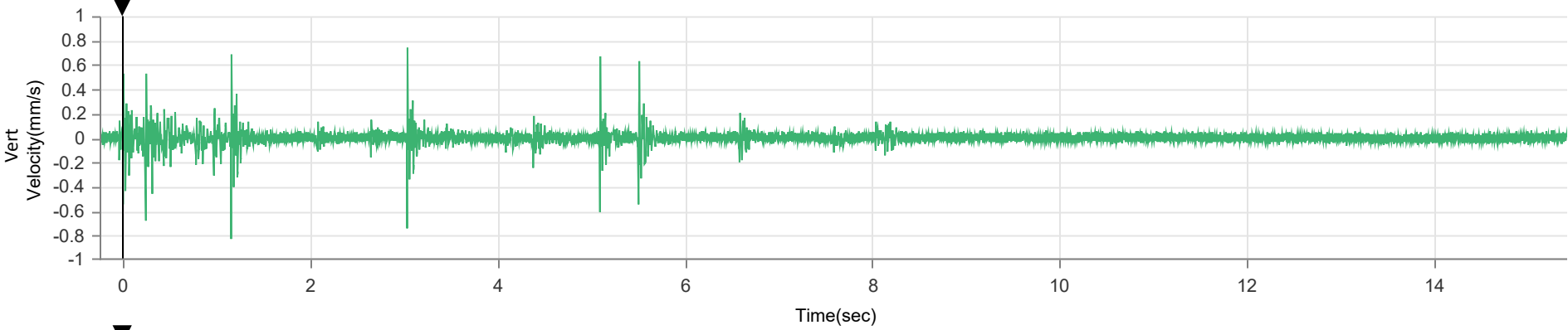


Sensor Check

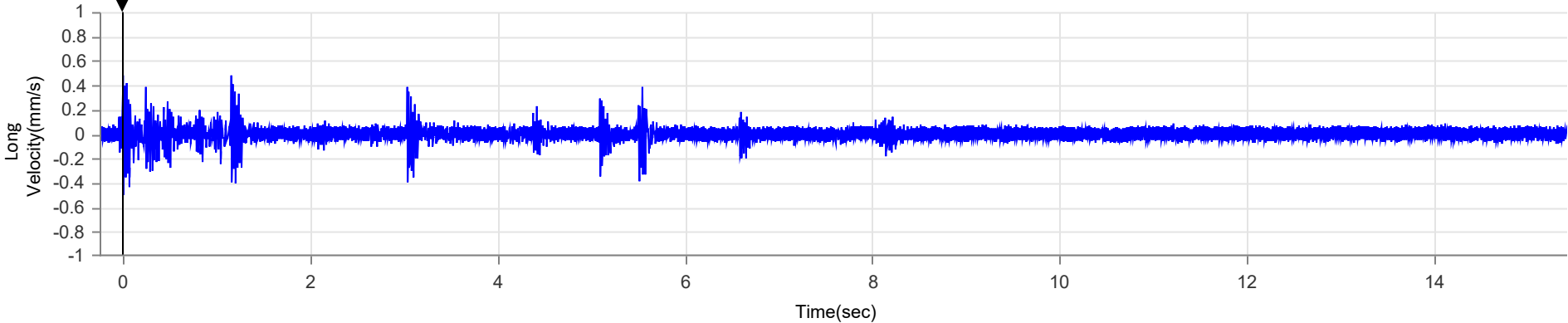
Frequency (Hz)
+ Tran x Vert o Long



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 11:58:31
Geo 0.500 mm/s
0.25 sec/19.3 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221028115831.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

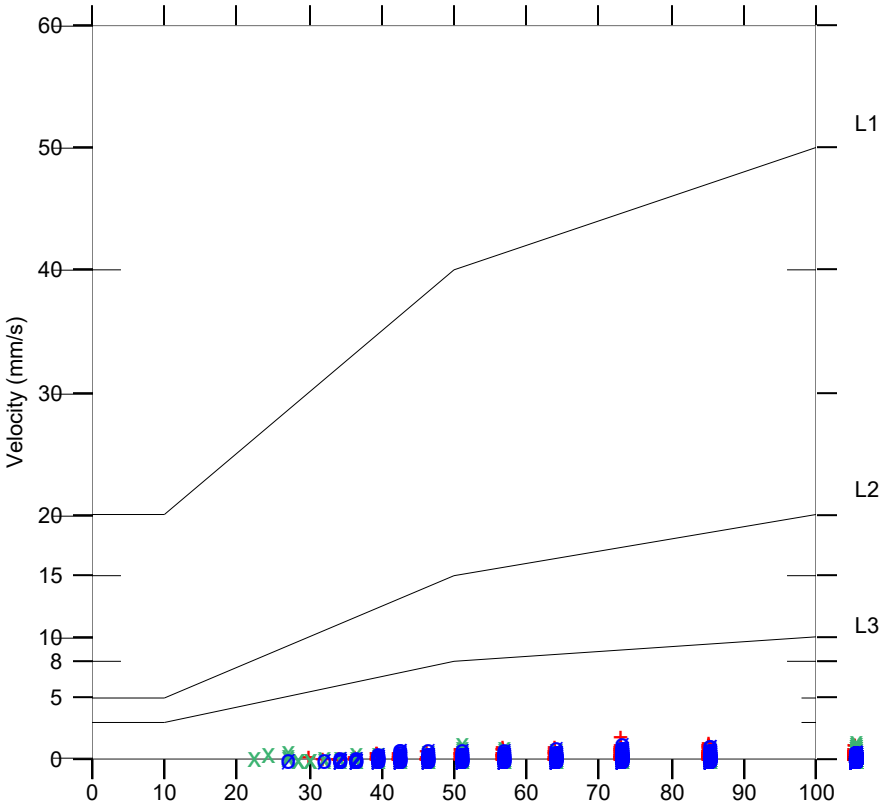
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
1.781 mm/s	1.434 mm/s	1.356 mm/s
73.1 Hz	>100 Hz	73.1 Hz
8.065 sec	5.127 sec	9.425 sec
0.085 g	0.118 g	0.086 g
0.004 mm	0.004 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

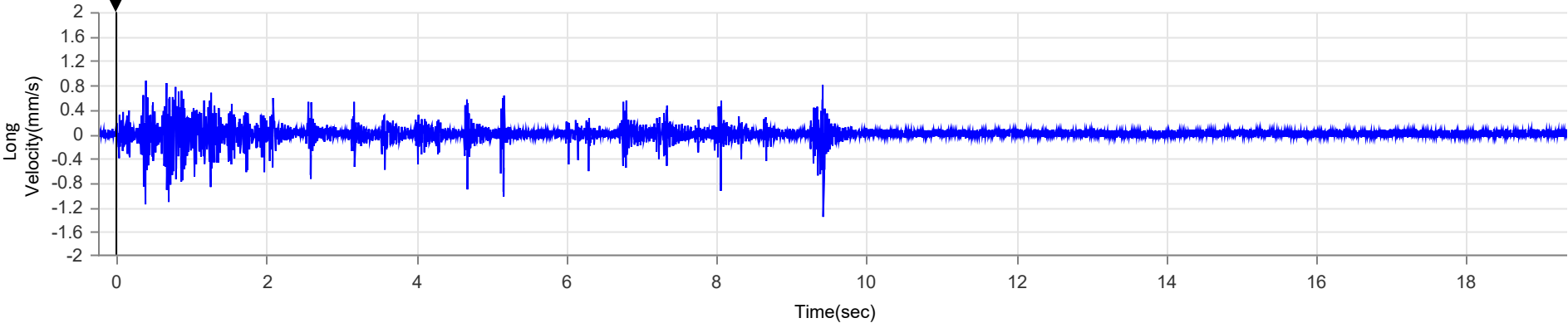
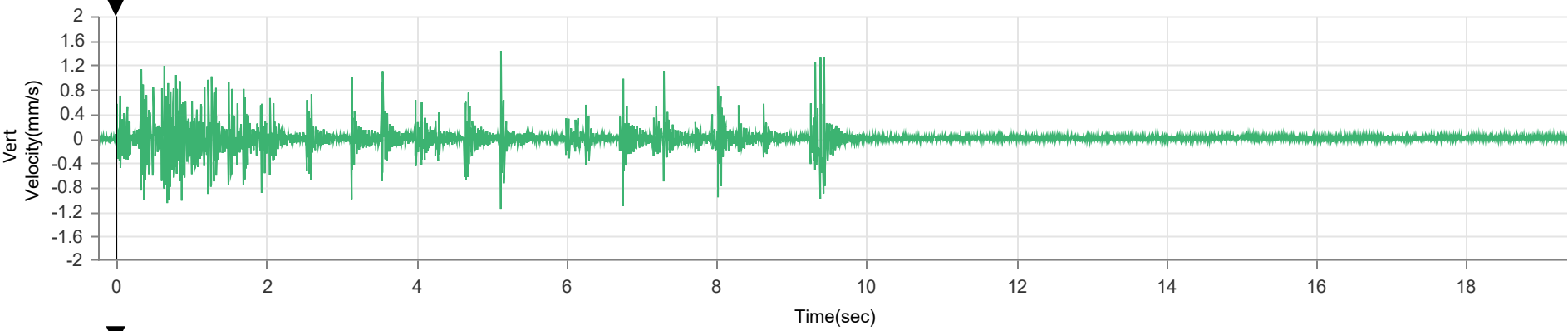
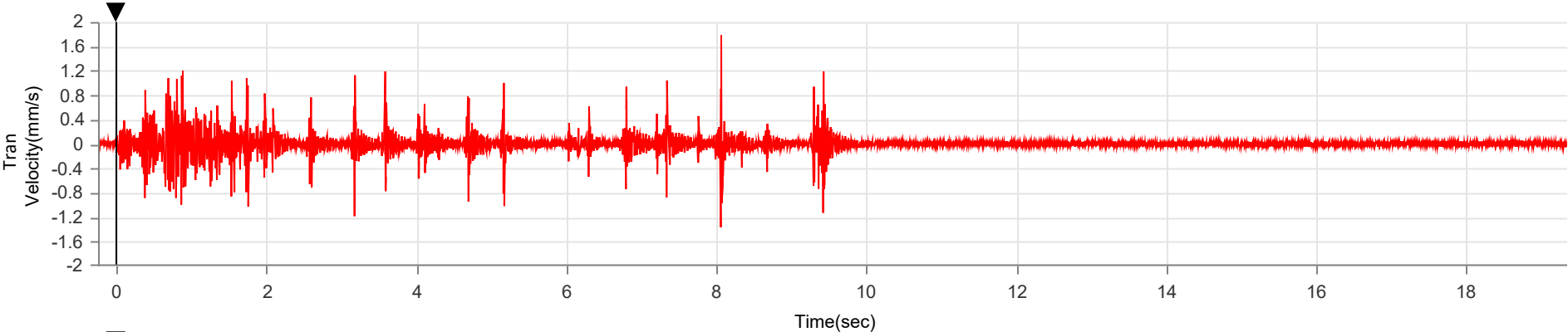
Peak Vector Sum 2.019 mm/s at 8.065 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long

Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:04
Geo 0.500 mm/s
0.25 sec/15.9 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221028163104.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

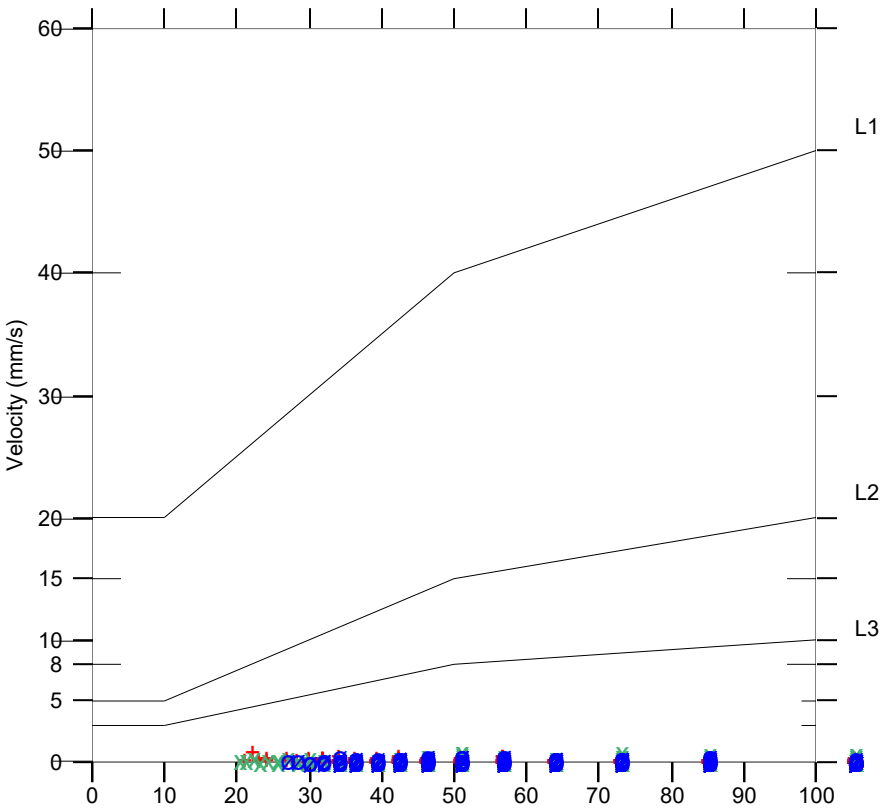
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

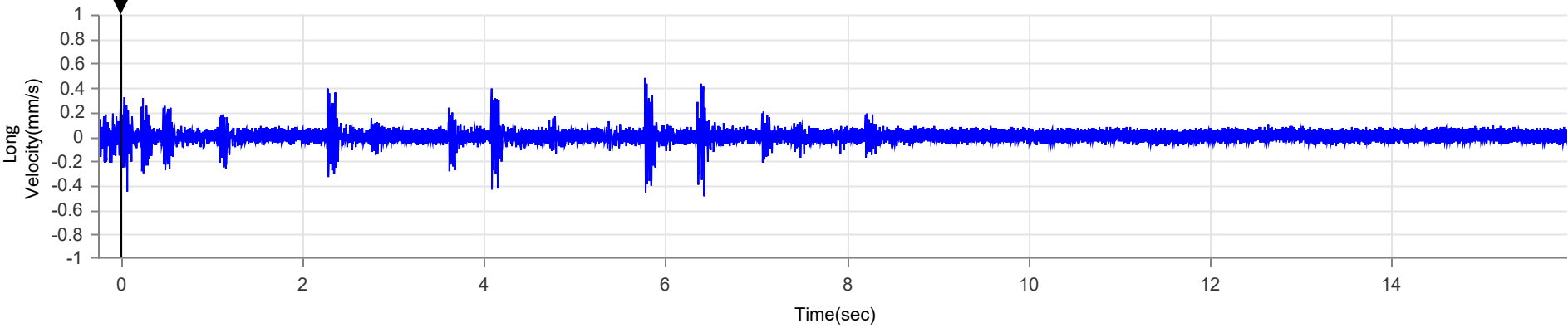
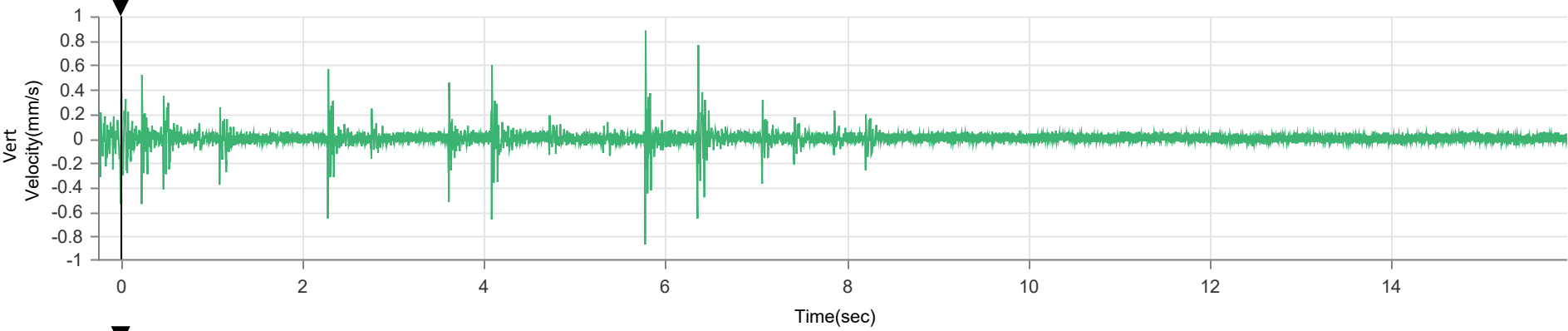
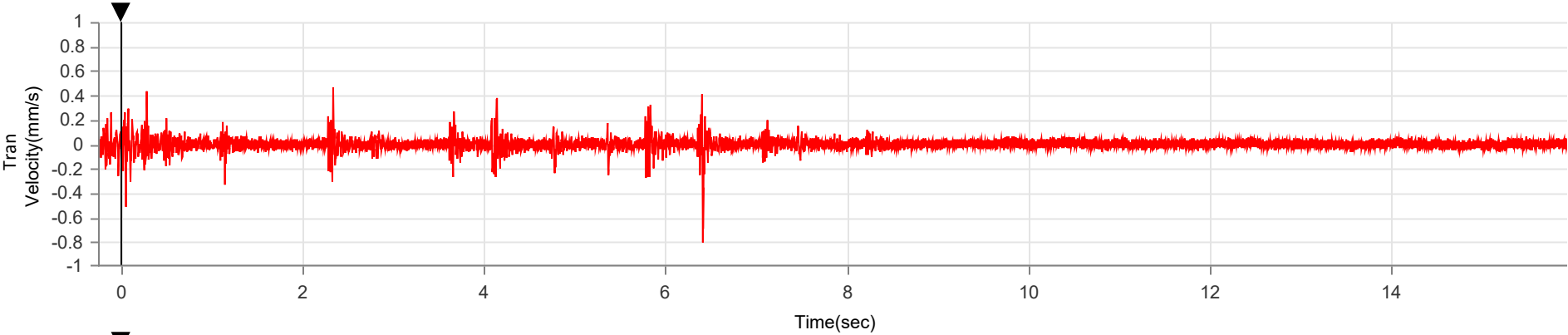
Tran	Vert	Long
0.804 mm/s	0.883 mm/s	0.489 mm/s
22.3 Hz	51.2 Hz	51.2 Hz
6.414 sec	5.782 sec	6.428 sec
0.028 g	0.063 g	0.030 g
0.003 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

Peak Vector Sum 0.990 mm/s at 5.782 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 09:43:41
Geo 0.500 mm/s
0.25 sec/19.5 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221029094341.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

Post Event Notes No text to be displayed.

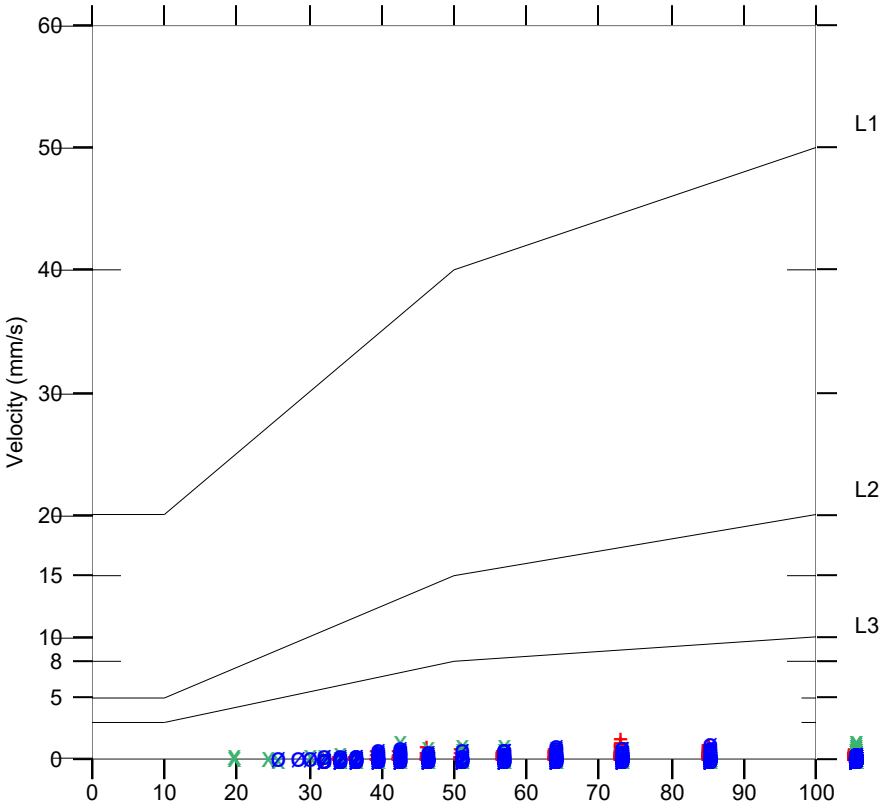
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

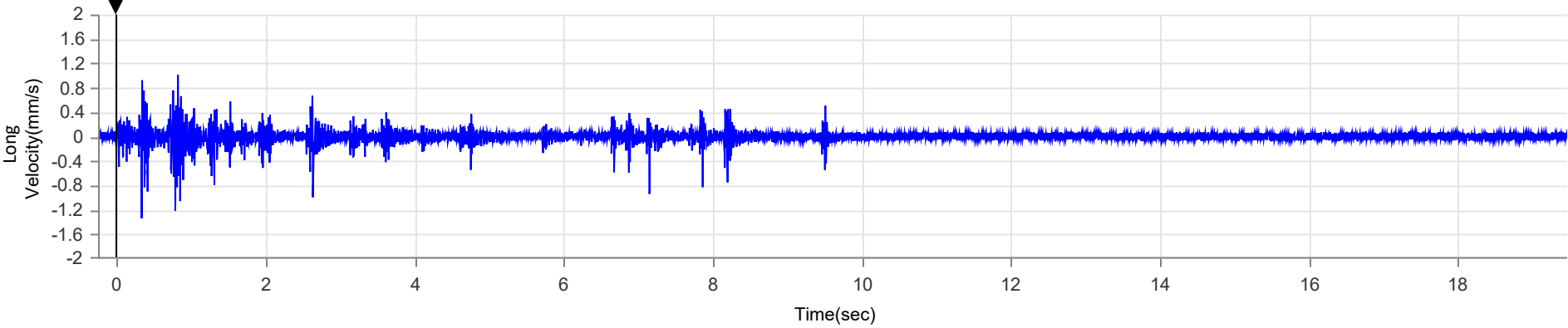
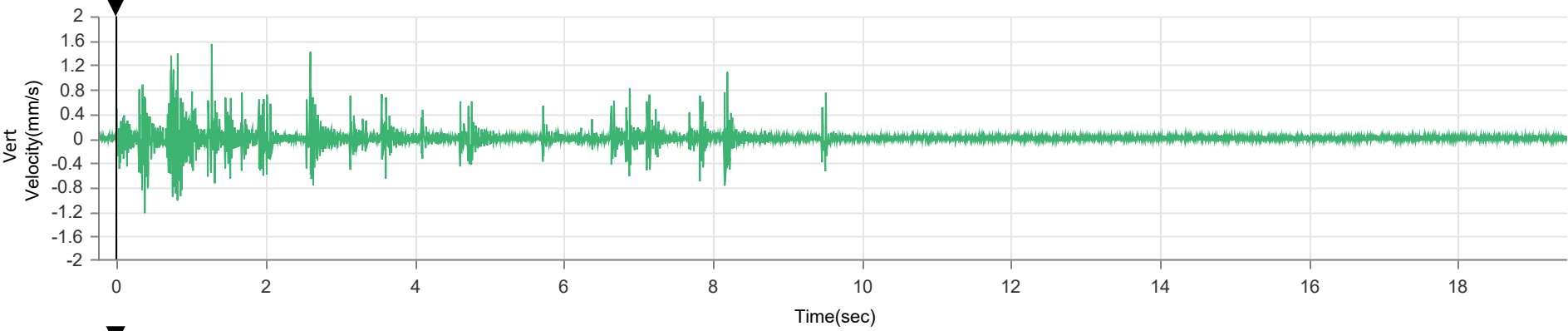
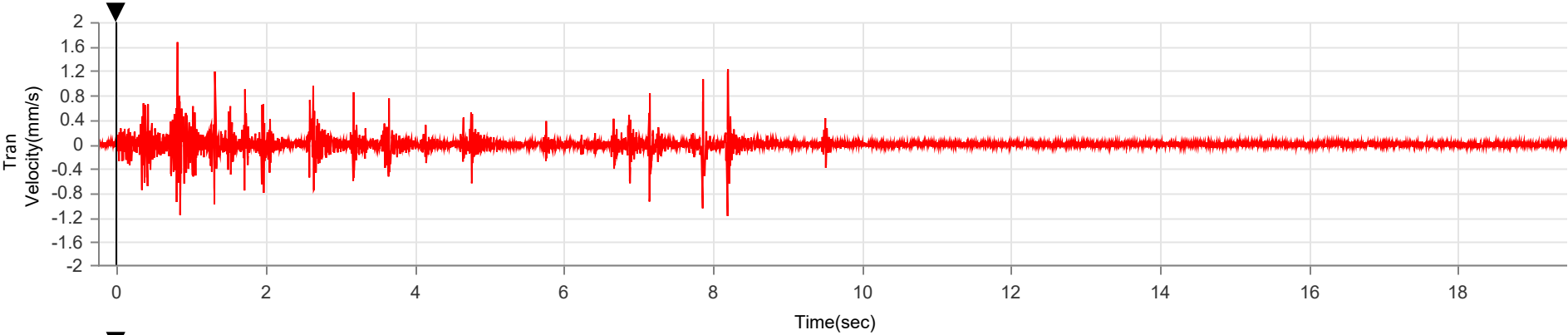
Tran	Vert	Long
1.671 mm/s	1.545 mm/s	1.340 mm/s
73.1 Hz	>100 Hz	85.3 Hz
0.816 sec	1.276 sec	0.338 sec
0.081 g	0.117 g	0.076 g
0.003 mm	0.003 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

Peak Vector Sum 1.958 mm/s at 0.816 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 12:17:01
Geo 0.500 mm/s
0.25 sec/10.0 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221029121701.IDFW
Disabled

Notes
Location
Client
Company
General Notes

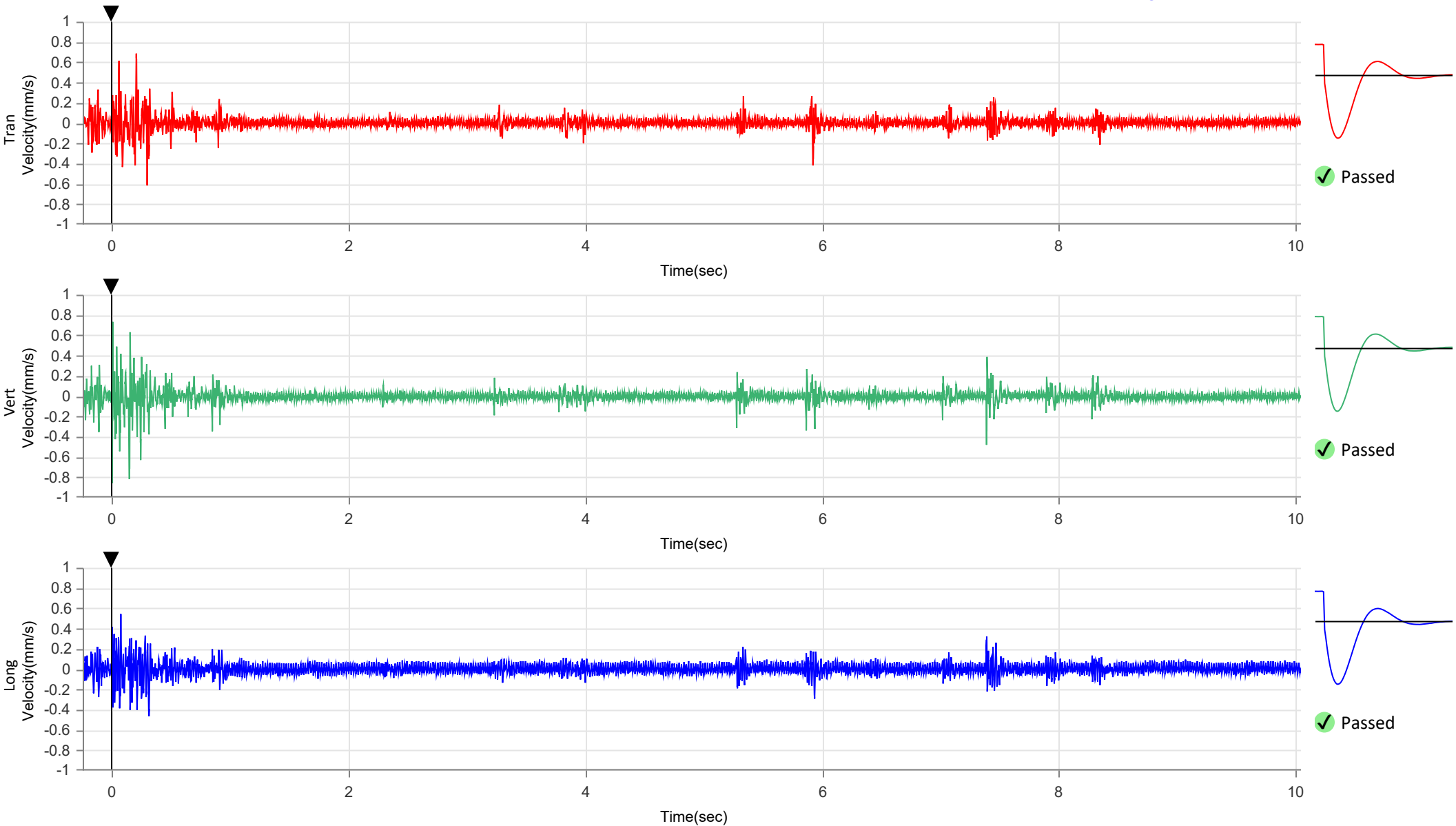
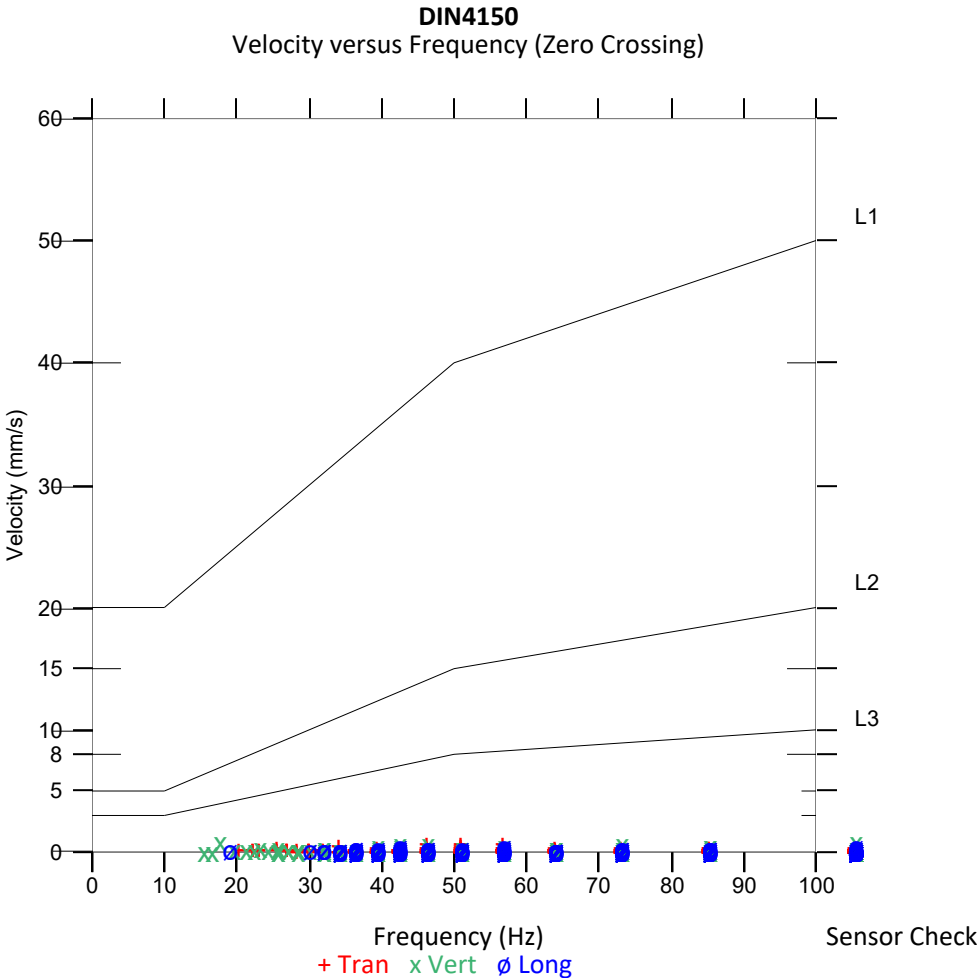
MM-22, Plavje 43

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.686 mm/s	0.859 mm/s	0.544 mm/s
56.9 Hz	>100 Hz	64.0 Hz
0.204 sec	0.000 sec	0.073 sec
0.026 g	0.081 g	0.034 g
0.002 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.1 Hz
4.4	4.3	4.7

Peak Vector Sum 0.933 mm/s at 0.000 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:34
Geo 0.500 mm/s
0.25 sec/19.0 sec (Auto)
1024 sps
factory.mmb
Operator

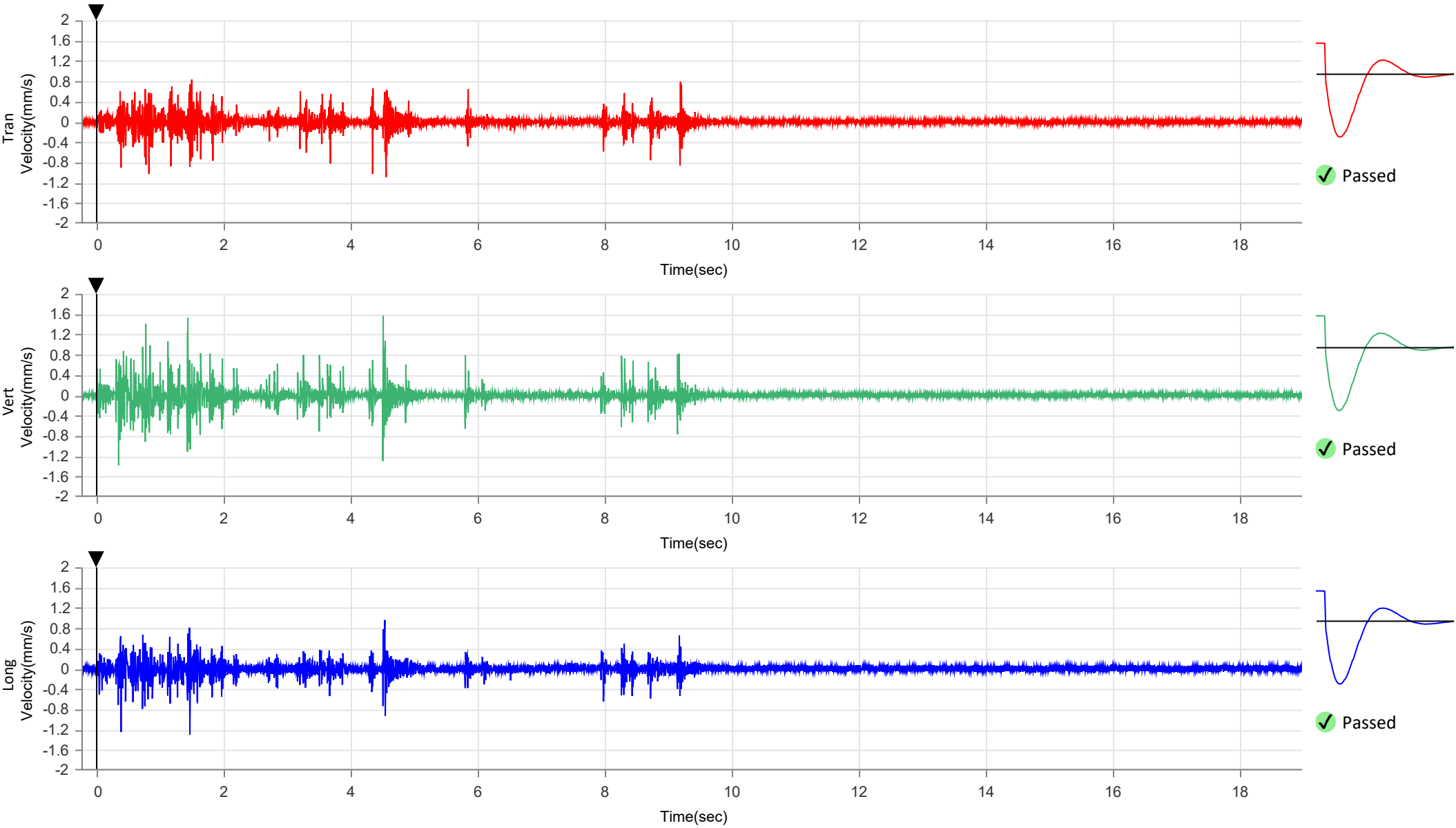
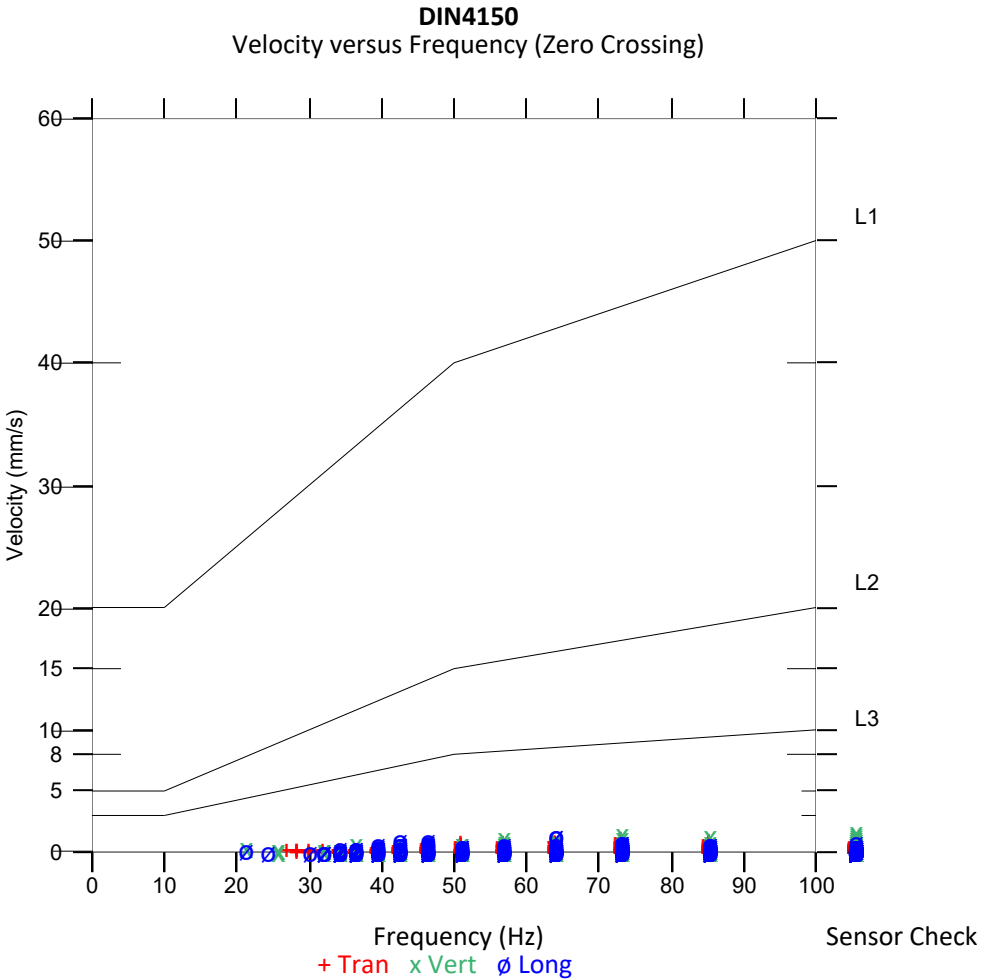
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221030095434.IDFW
Disabled

Notes
Location MM-22, Plavje 43
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.088 mm/s	1.568 mm/s	1.293 mm/s
Zero Crossing Frequency	73.1 Hz	>100 Hz	64.0 Hz
Time (Relative to Trigger)	4.552 sec	4.505 sec	1.459 sec
Peak Acceleration	0.055 g	0.144 g	0.053 g
Peak Displacement	0.002 mm	0.003 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	7.1 Hz	6.5 Hz
Overswing Ratio	4.4	4.3	4.8
Peak Vector Sum	1.637 mm/s at 0.374 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:57
Geo 0.500 mm/s
0.25 sec/17.5 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

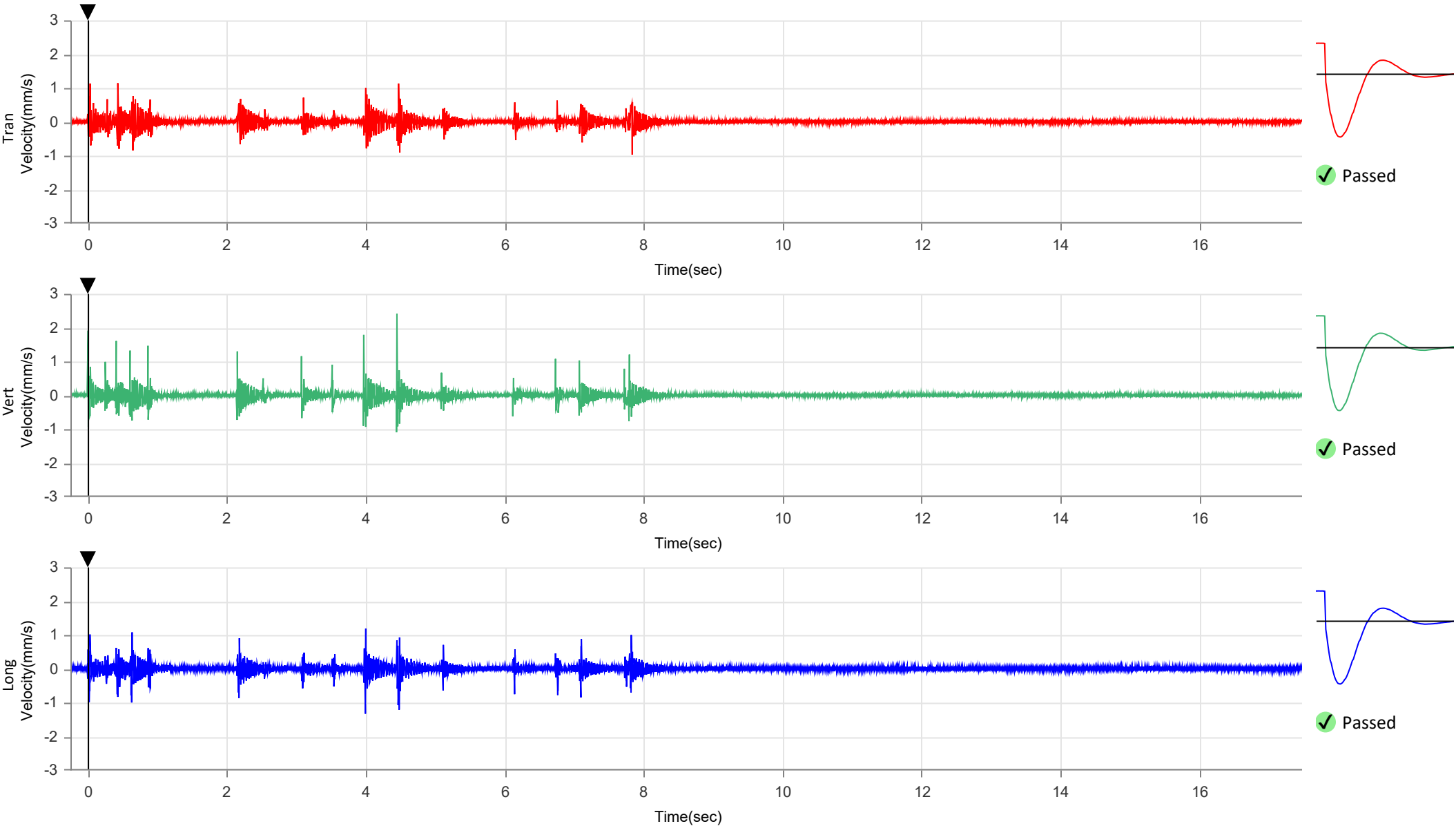
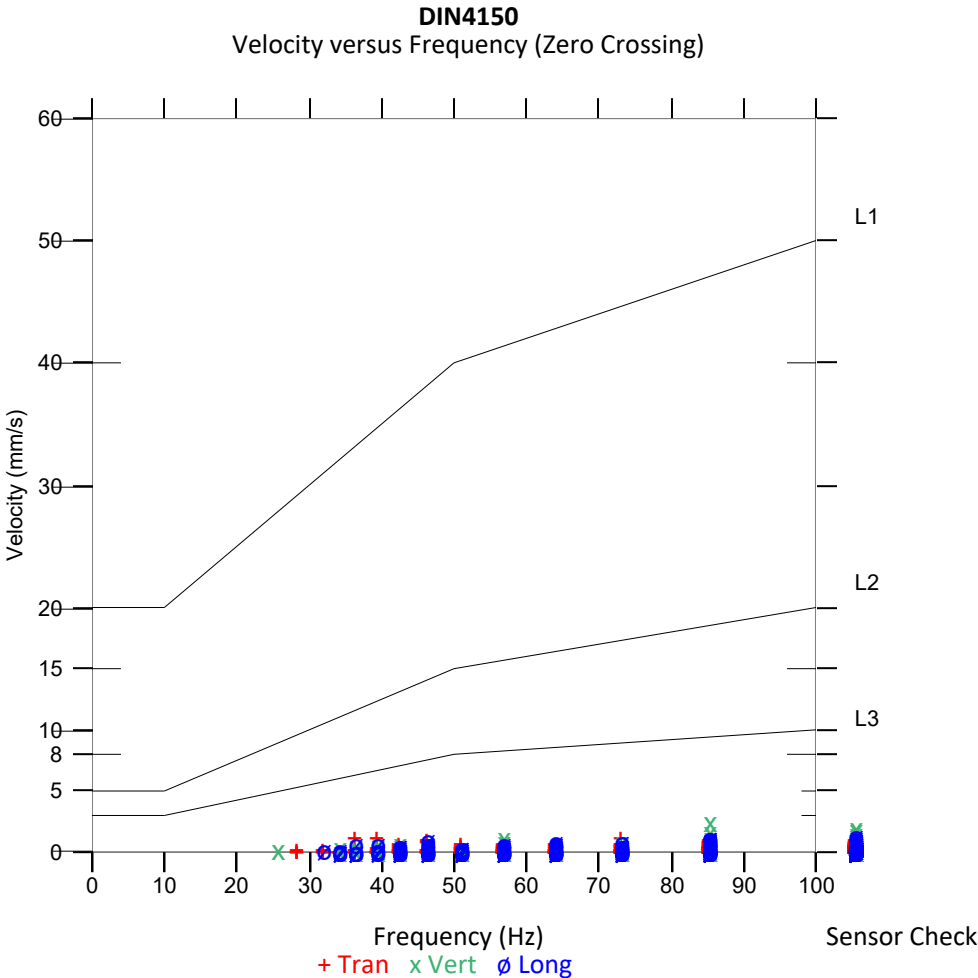
UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221030112957.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.143 mm/s	2.412 mm/s	1.324 mm/s
Zero Crossing Frequency	39.4 Hz	85.3 Hz	>100 Hz
Time (Relative to Trigger)	0.433 sec	4.449 sec	3.995 sec
Peak Acceleration	0.059 g	0.154 g	0.081 g
Peak Displacement	0.003 mm	0.004 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	7.1 Hz	6.5 Hz
Overswing Ratio	4.4	4.3	4.8
Peak Vector Sum	2.485 mm/s at 4.449 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 14:19:08
Geo 0.500 mm/s
0.25 sec/15.9 sec (Auto)
1024 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221030141908.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-22, Plavje 43

Post Event Notes No text to be displayed.

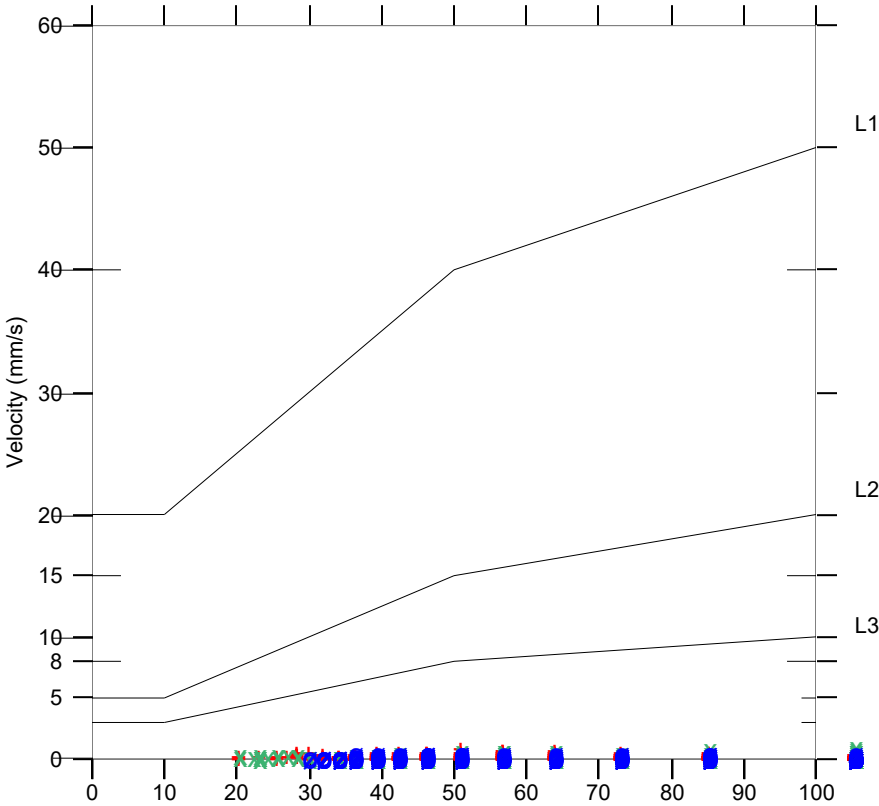
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.741 mm/s	0.985 mm/s	0.544 mm/s
51.2 Hz	>100 Hz	56.9 Hz
5.861 sec	0.861 sec	0.312 sec
0.029 g	0.083 g	0.032 g
0.002 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	7.1 Hz	6.5 Hz
4.4	4.3	4.8

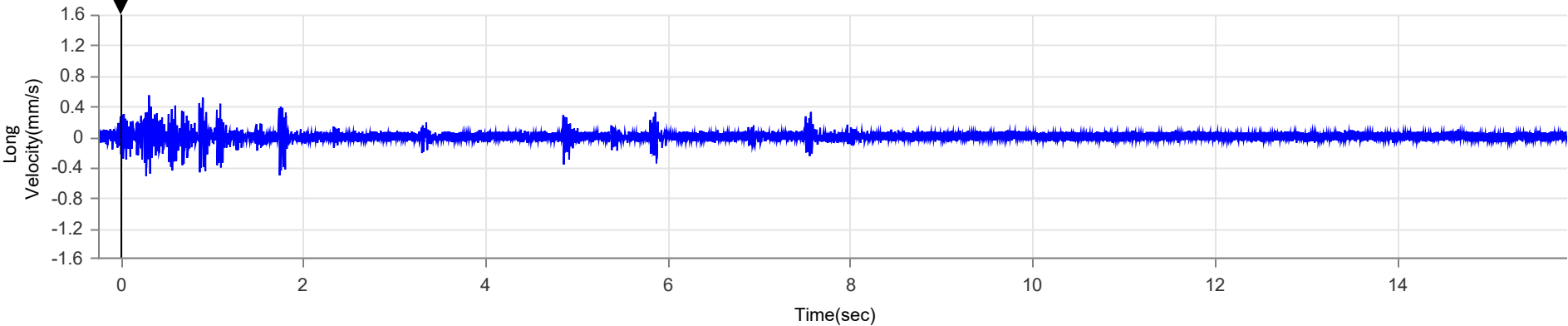
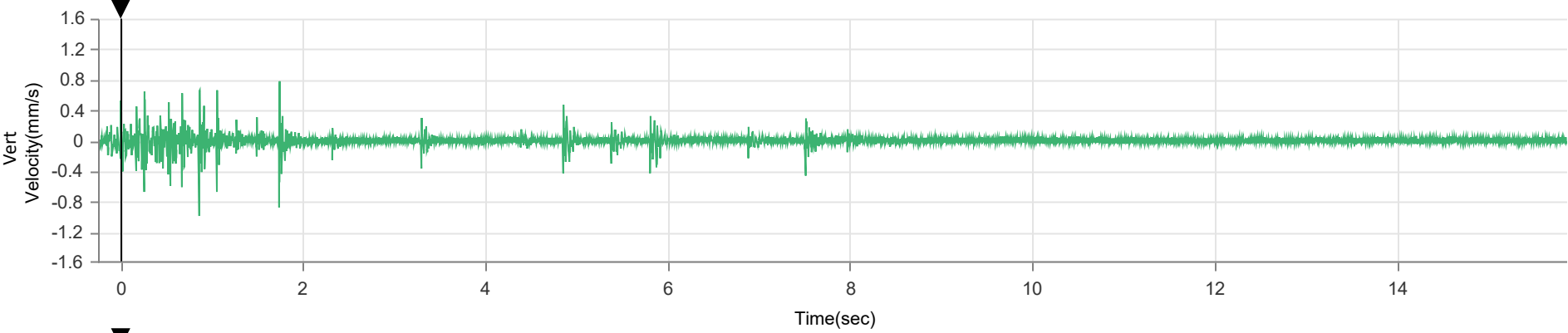
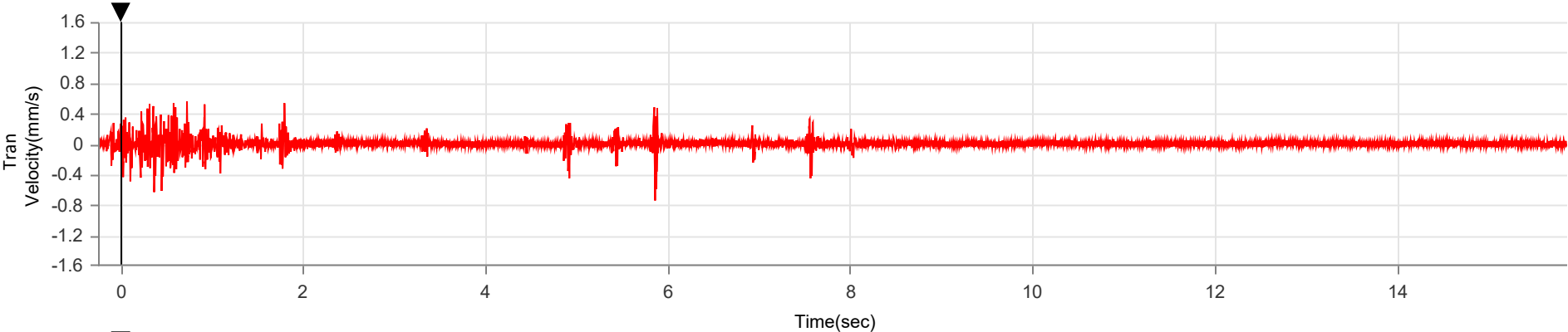
Peak Vector Sum 1.081 mm/s at 0.861 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check

Frequency (Hz)
+ Tran x Vert ø Long





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:45
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
1024 sps
factory.mmb
Operator

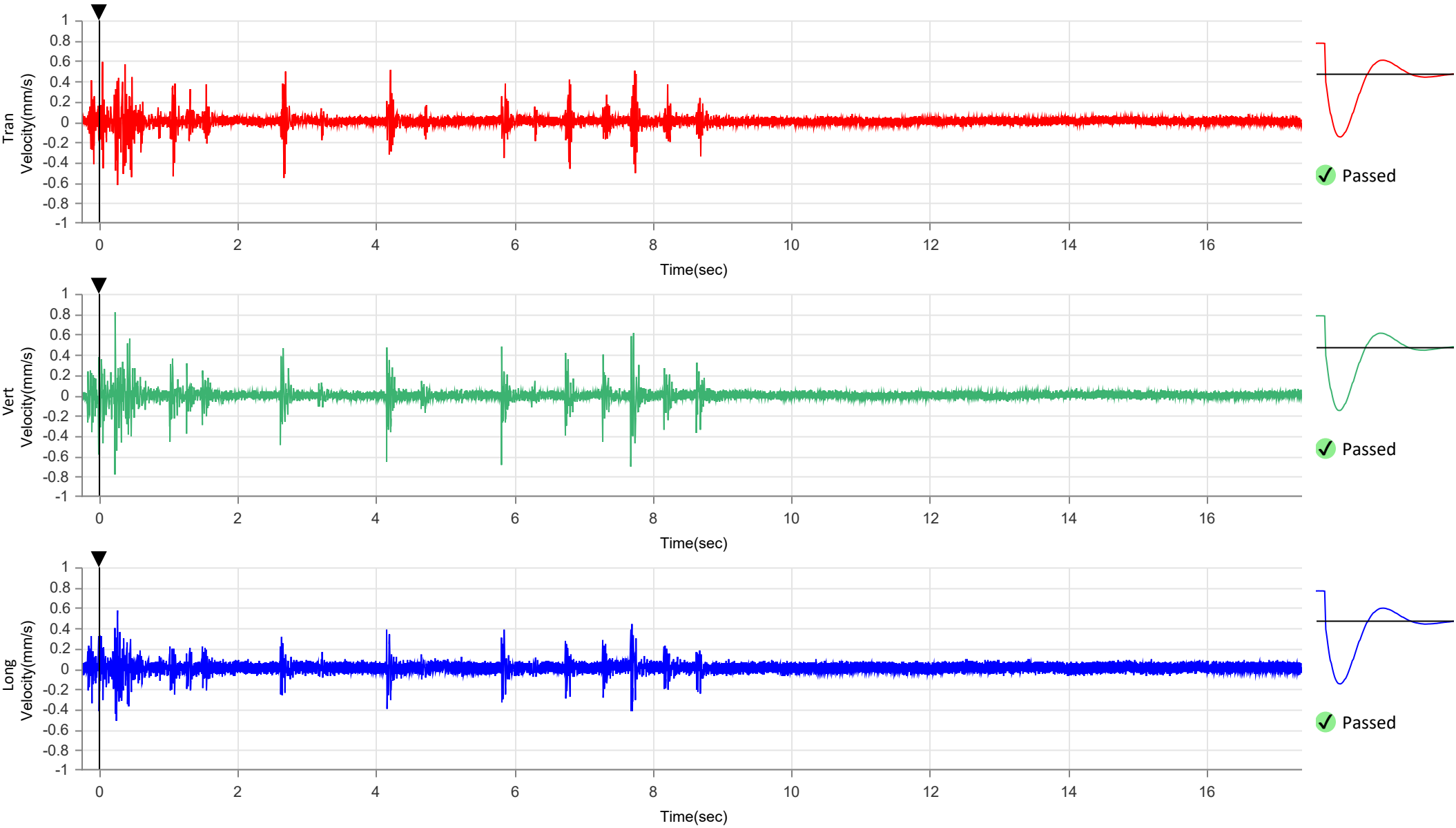
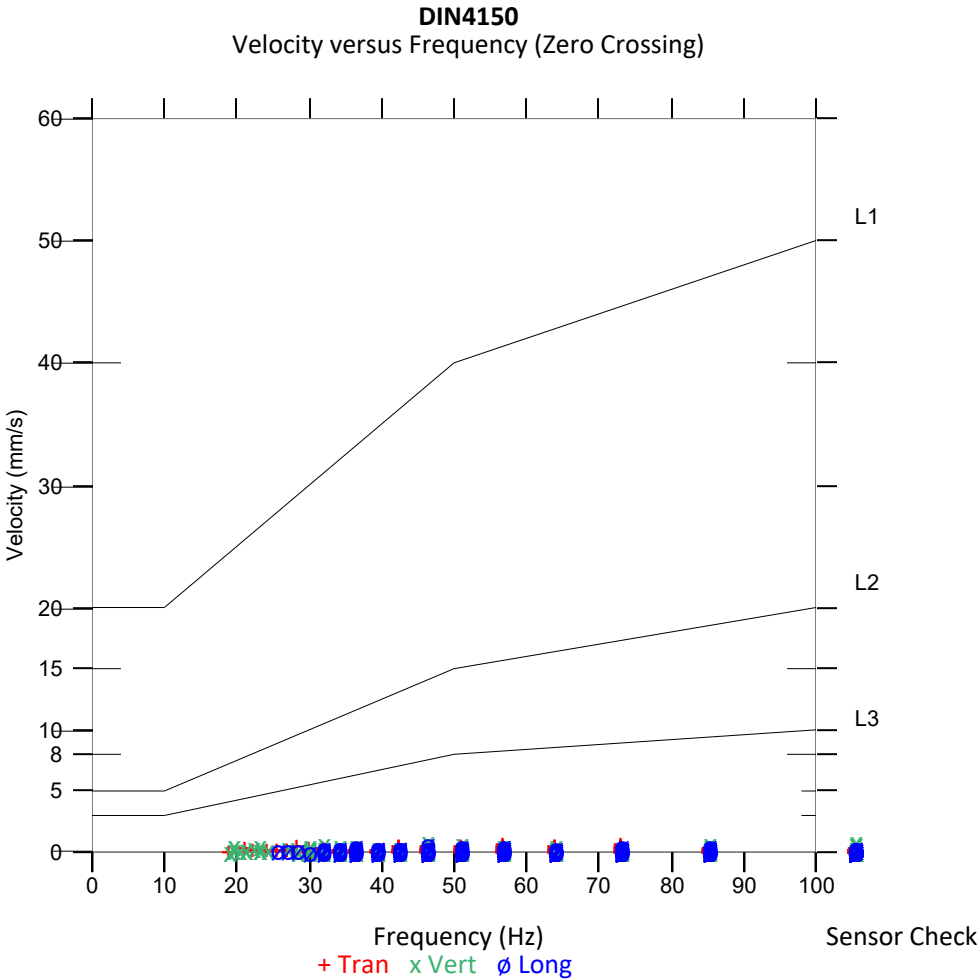
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15840
Micromate DIN 10.90FB
3.8 volts
June 15, 2022 by RGN Zagreb
UM15840_20221031130445.IDFW
Disabled

Notes
Location MM-22, Plavje 43
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.623 mm/s	0.820 mm/s	0.575 mm/s
Zero Crossing Frequency	73.1 Hz	46.5 Hz	46.5 Hz
Time (Relative to Trigger)	0.273 sec	0.237 sec	0.271 sec
Peak Acceleration	0.032 g	0.076 g	0.030 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	7.1 Hz	6.5 Hz
Overswing Ratio	4.4	4.3	4.8
Peak Vector Sum	0.884 mm/s at 0.234 sec		



PRILOGA 1.11:
Rezultati meritev

- MM-23 (Plavje 41/41a) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 24, 2022 11:30:10
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

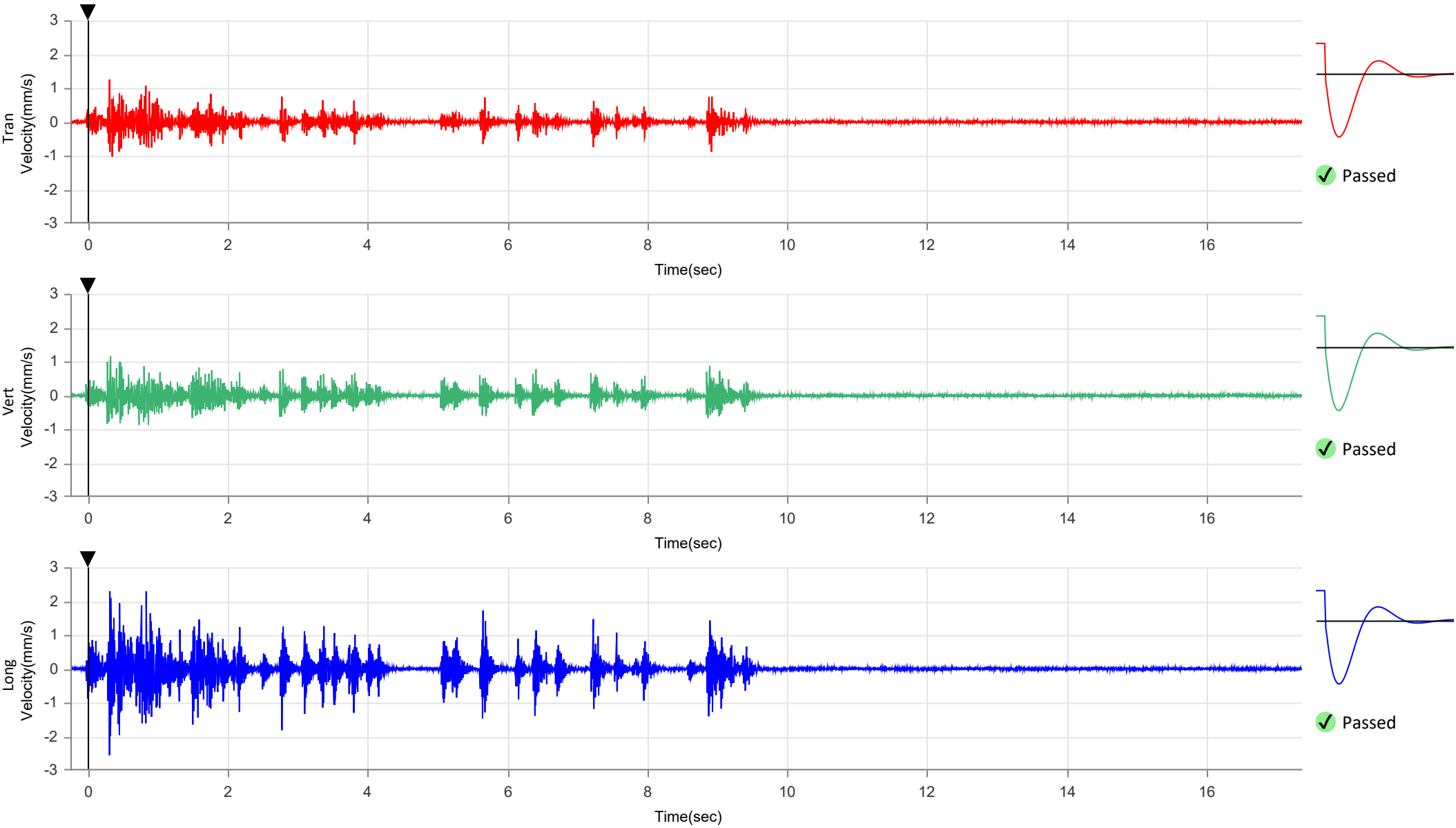
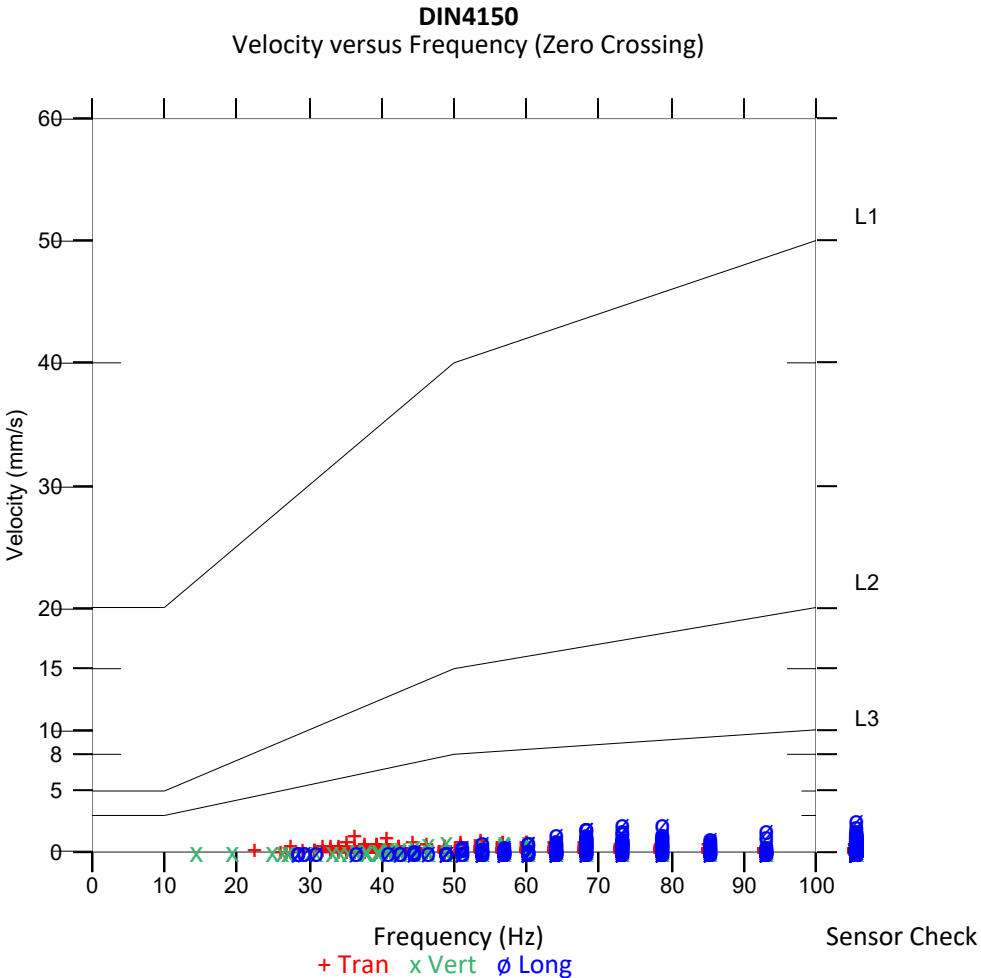
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221024113010.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.253 mm/s	1.159 mm/s	2.554 mm/s
Zero Crossing Frequency	36.6 Hz	>100 Hz	>100 Hz
Time (Relative to Trigger)	0.310 sec	0.324 sec	0.309 sec
Peak Acceleration	0.059 g	0.081 g	0.189 g
Peak Displacement	0.004 mm	0.002 mm	0.005 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.3
Peak Vector Sum	2.835 mm/s at 0.309 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 25, 2022 09:21:33
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

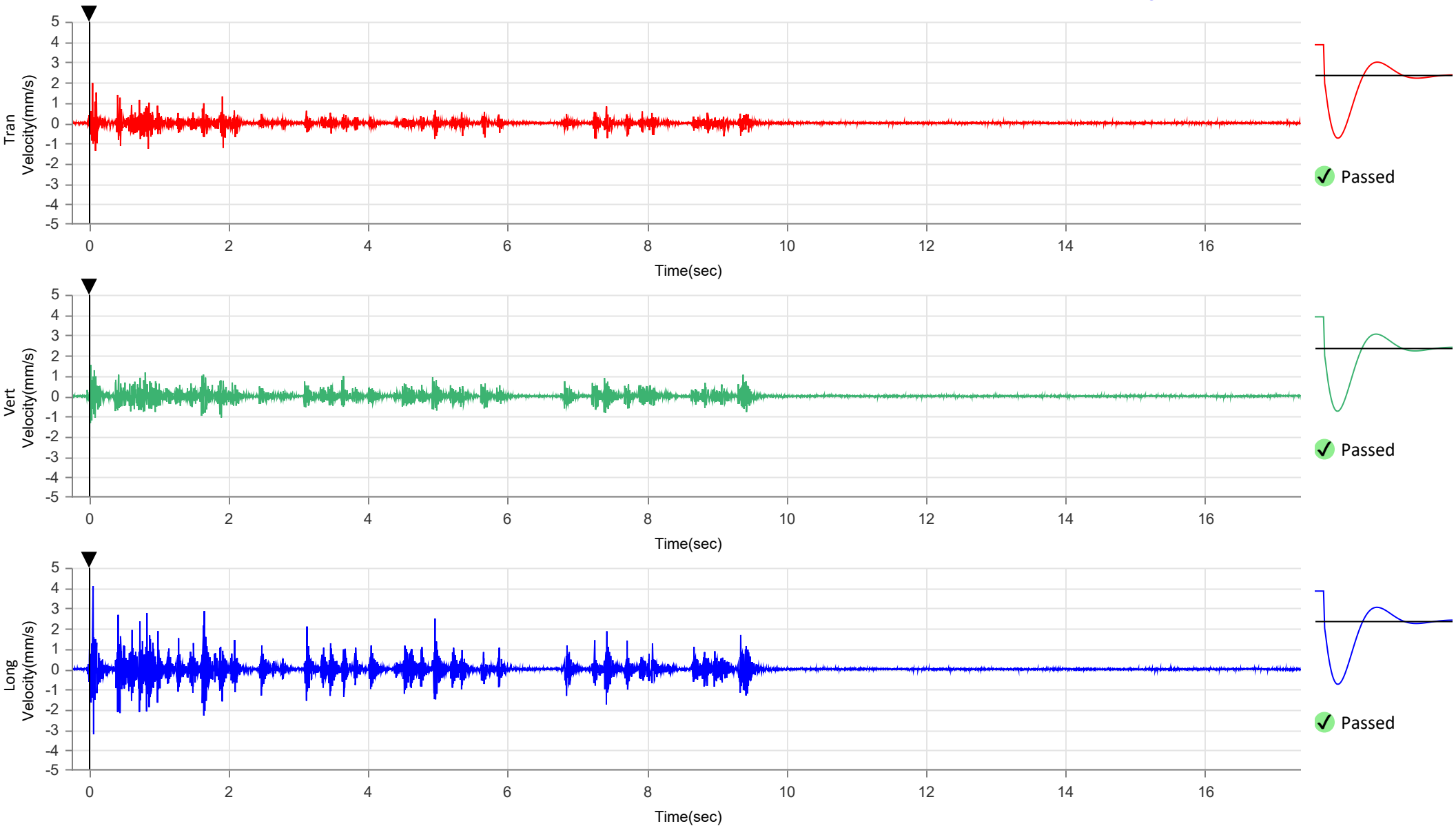
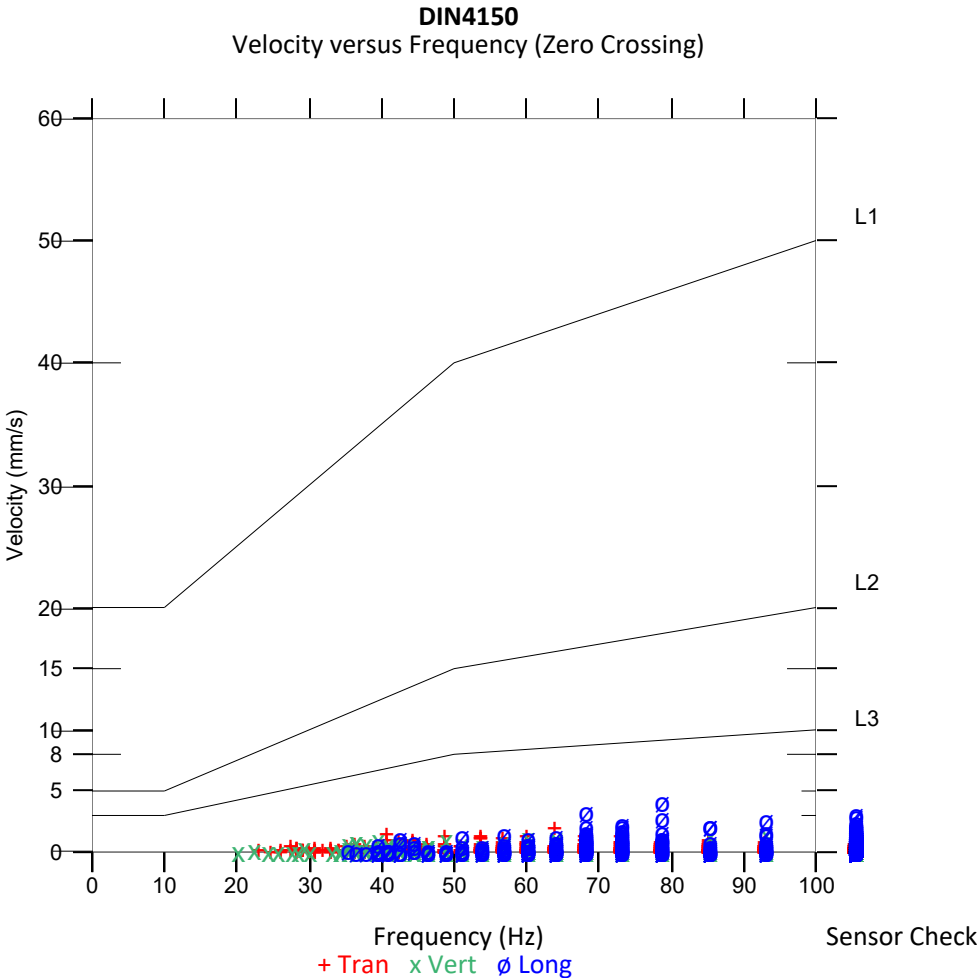
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221025092133.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.978 mm/s	1.537 mm/s	4.099 mm/s
Zero Crossing Frequency	64.0 Hz	93.1 Hz	78.8 Hz
Time (Relative to Trigger)	0.052 sec	0.024 sec	0.058 sec
Peak Acceleration	0.082 g	0.105 g	0.247 g
Peak Displacement	0.005 mm	0.003 mm	0.006 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.3
Peak Vector Sum	4.199 mm/s at 0.058 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 26, 2022 11:12:52
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

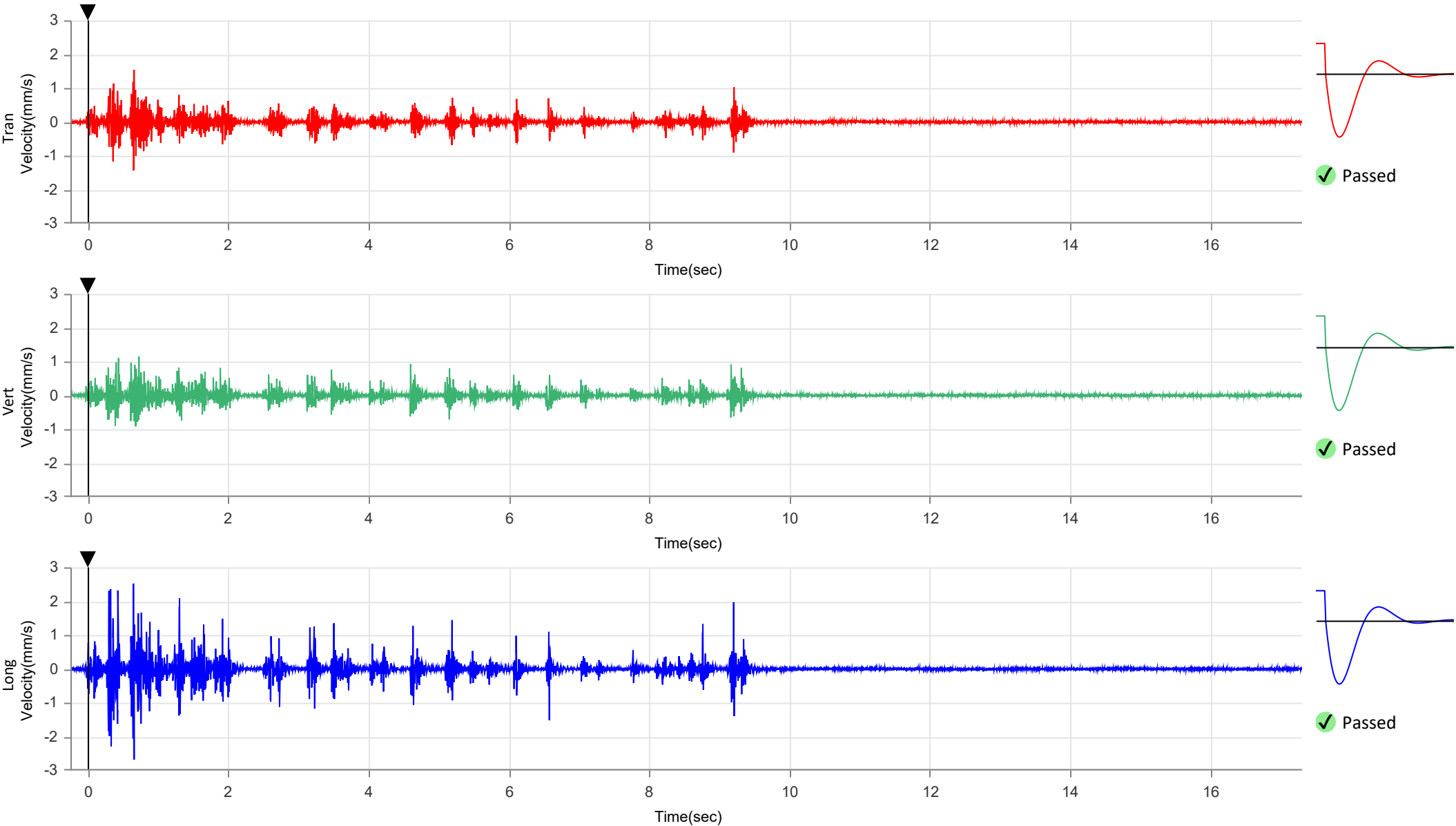
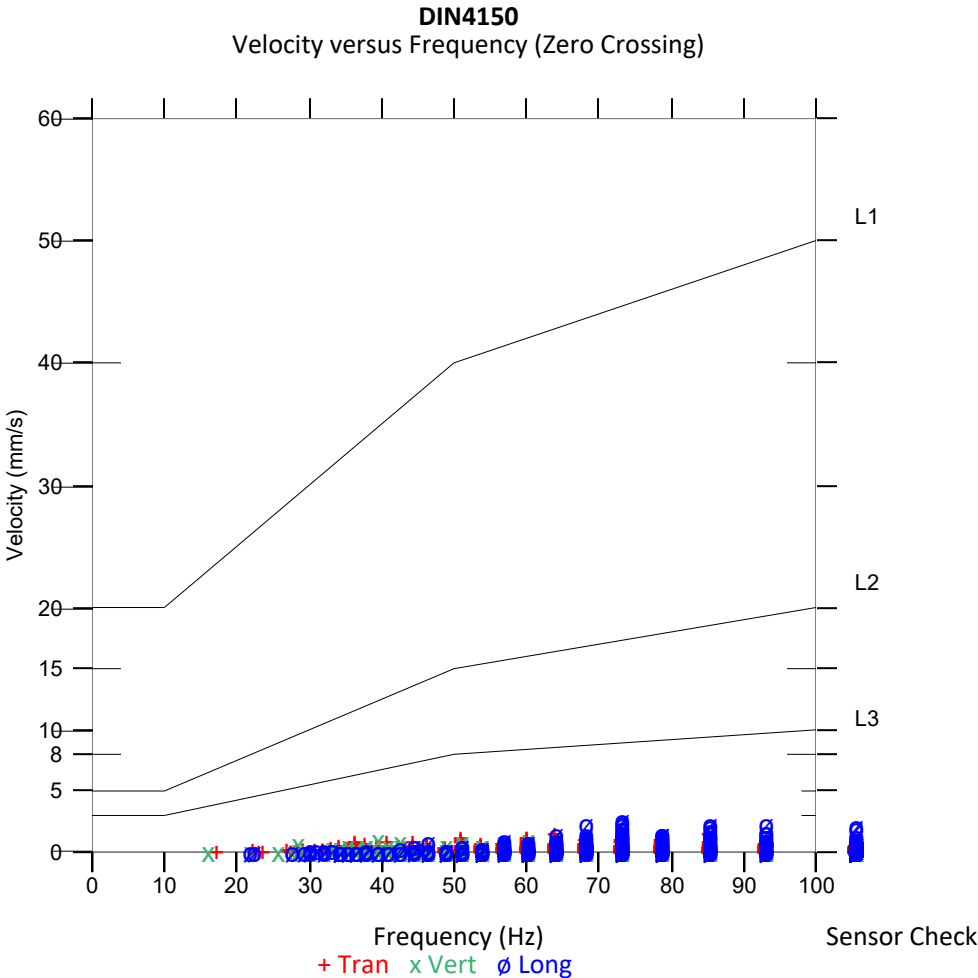
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221026111252.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.537 mm/s	1.151 mm/s	2.680 mm/s
Zero Crossing Frequency	85.3 Hz	78.8 Hz	73.1 Hz
Time (Relative to Trigger)	0.658 sec	0.727 sec	0.658 sec
Peak Acceleration	0.081 g	0.086 g	0.173 g
Peak Displacement	0.004 mm	0.003 mm	0.006 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.3
Peak Vector Sum	3.163 mm/s at 0.658 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 26, 2022 16:42:57
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

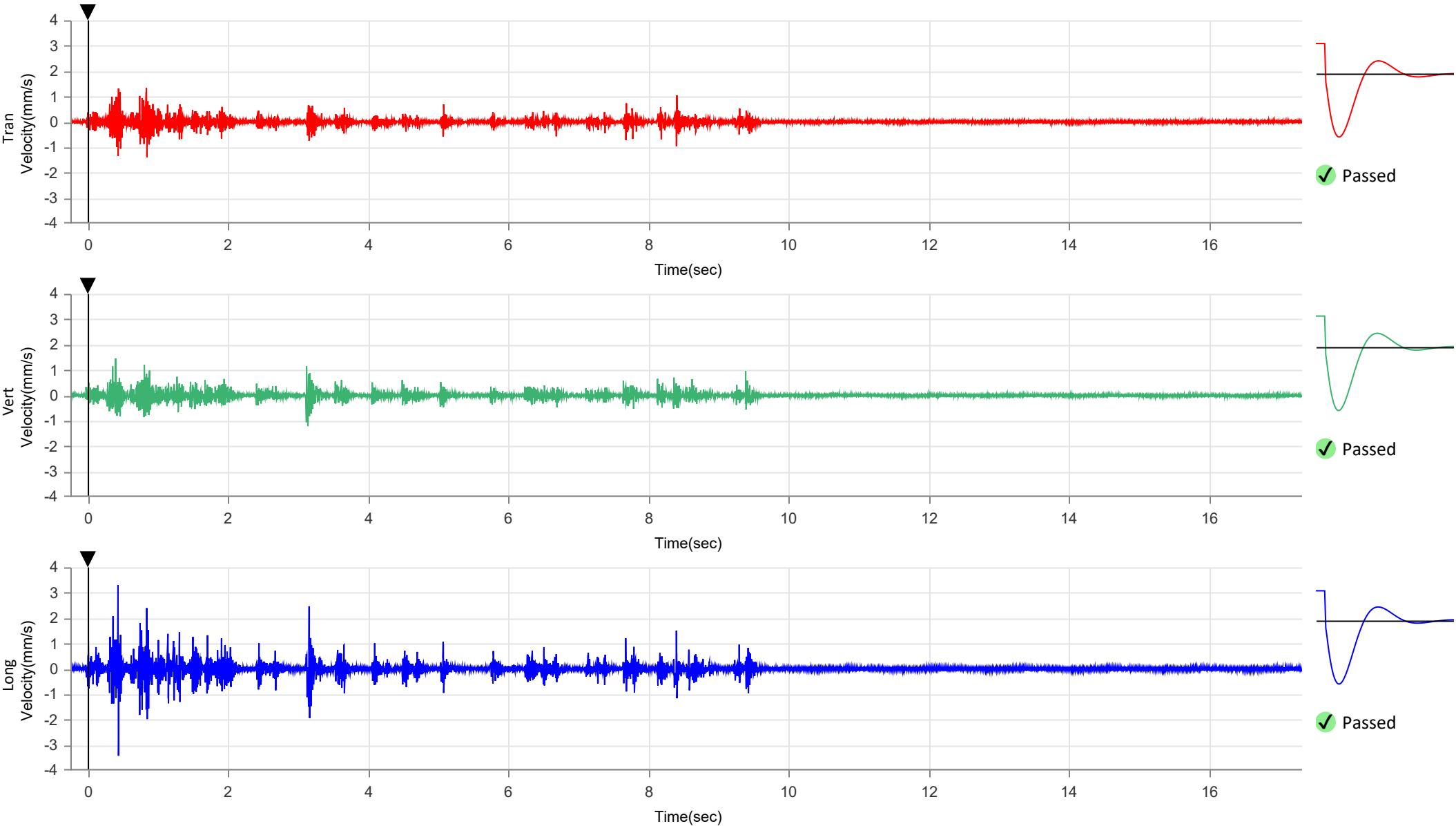
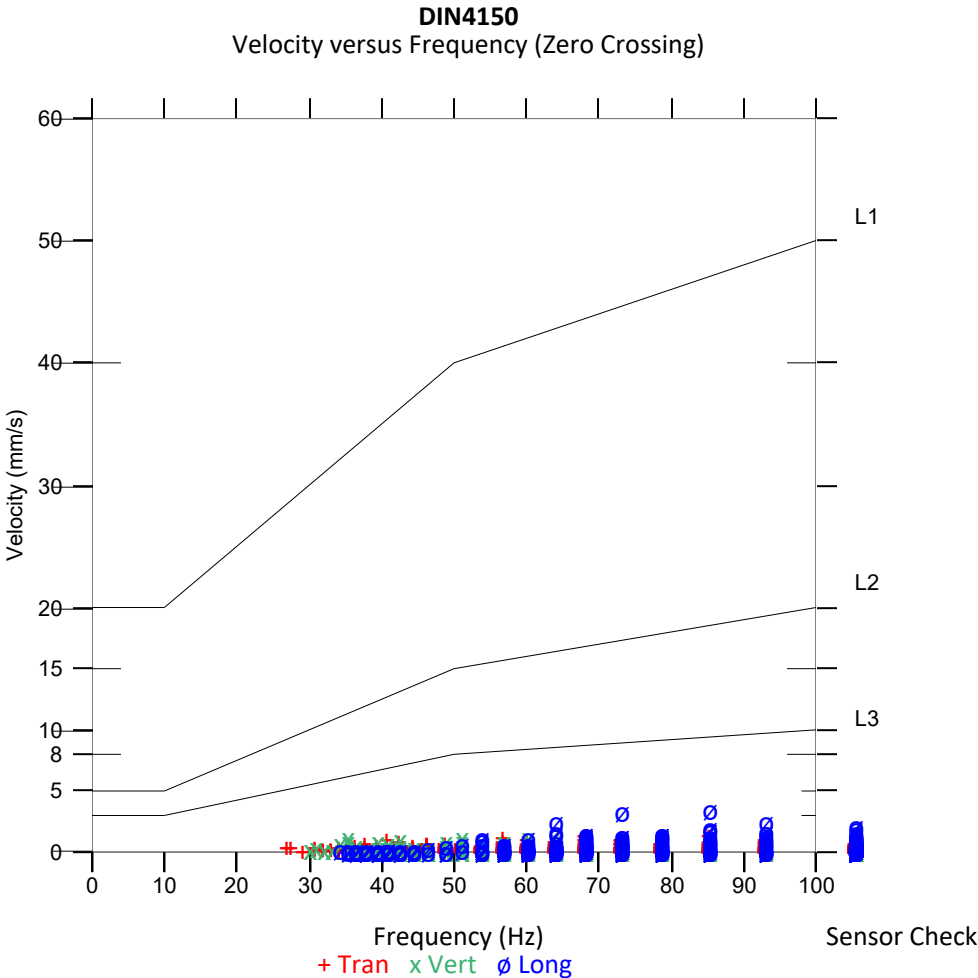
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221026164257.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.387 mm/s	1.458 mm/s	3.421 mm/s
Zero Crossing Frequency	68.3 Hz	>100 Hz	85.3 Hz
Time (Relative to Trigger)	0.842 sec	0.396 sec	0.438 sec
Peak Acceleration	0.067 g	0.097 g	0.202 g
Peak Displacement	0.003 mm	0.003 mm	0.006 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	3.679 mm/s at 0.438 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 08:51:23
Geo 0.500 mm/s
0.25 sec/8.0 sec (Auto)
2048 sps
factory.mmb
Operator

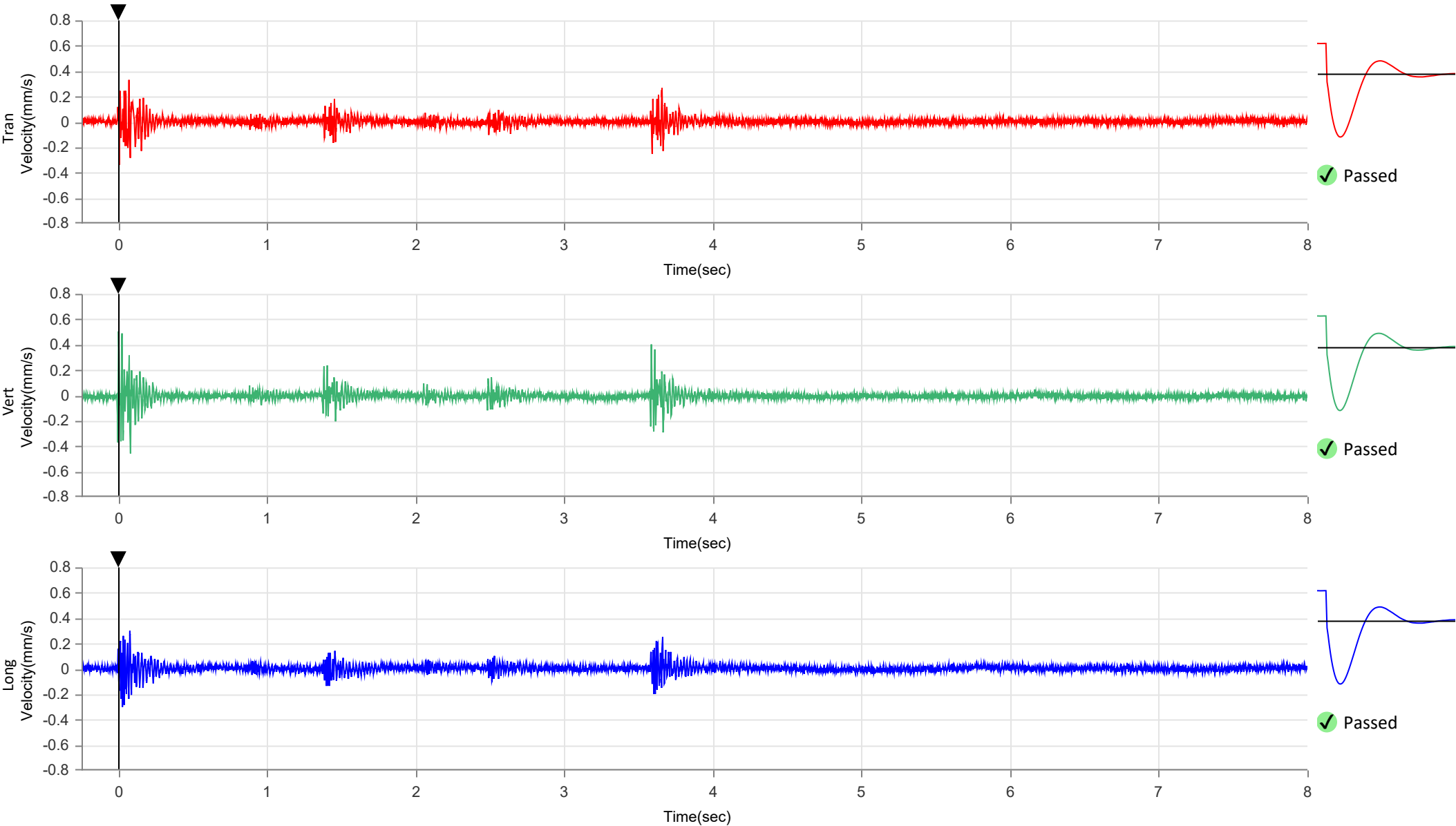
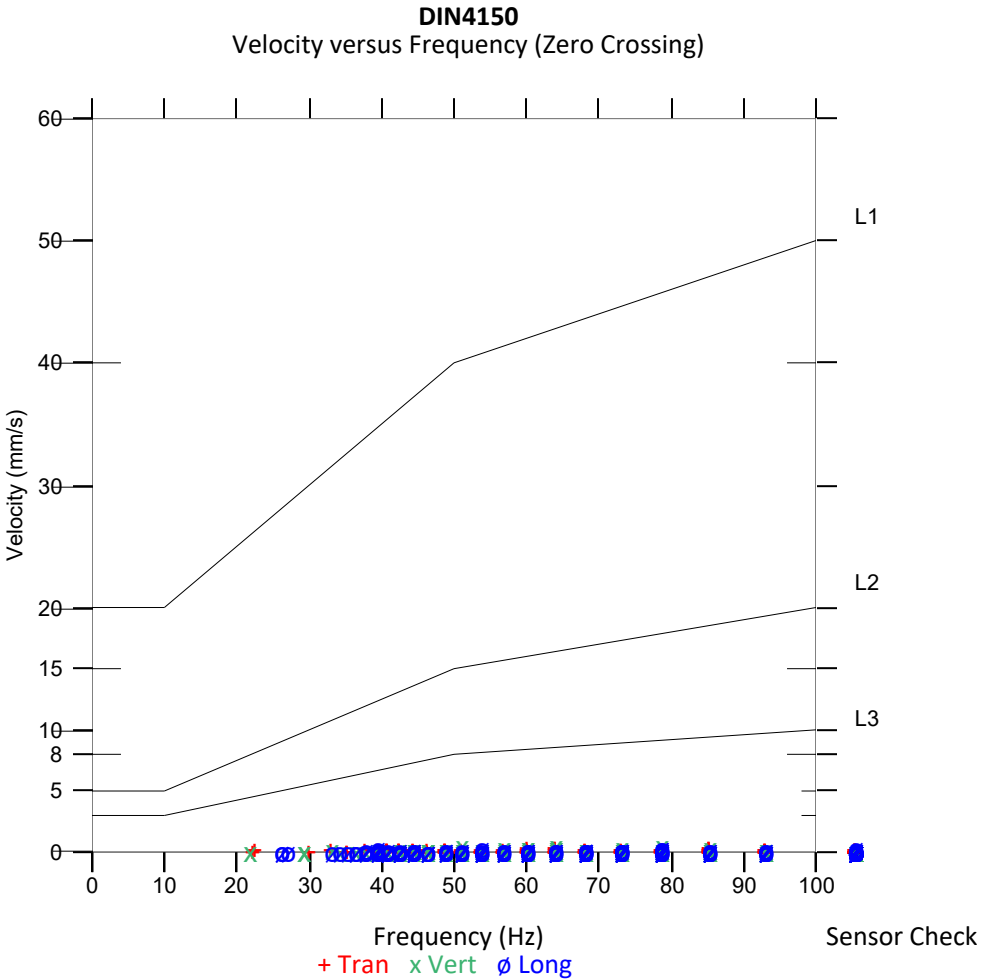
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221027085123.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.339 mm/s	0.504 mm/s	0.300 mm/s
Zero Crossing Frequency	85.3 Hz	64.0 Hz	78.8 Hz
Time (Relative to Trigger)	0.004 sec	0.000 sec	0.026 sec
Peak Acceleration	0.020 g	0.031 g	0.023 g
Peak Displacement	0.001 mm	0.001 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	0.562 mm/s at 0.080 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 27, 2022 11:57:28
Geo 0.500 mm/s
0.25 sec/17.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

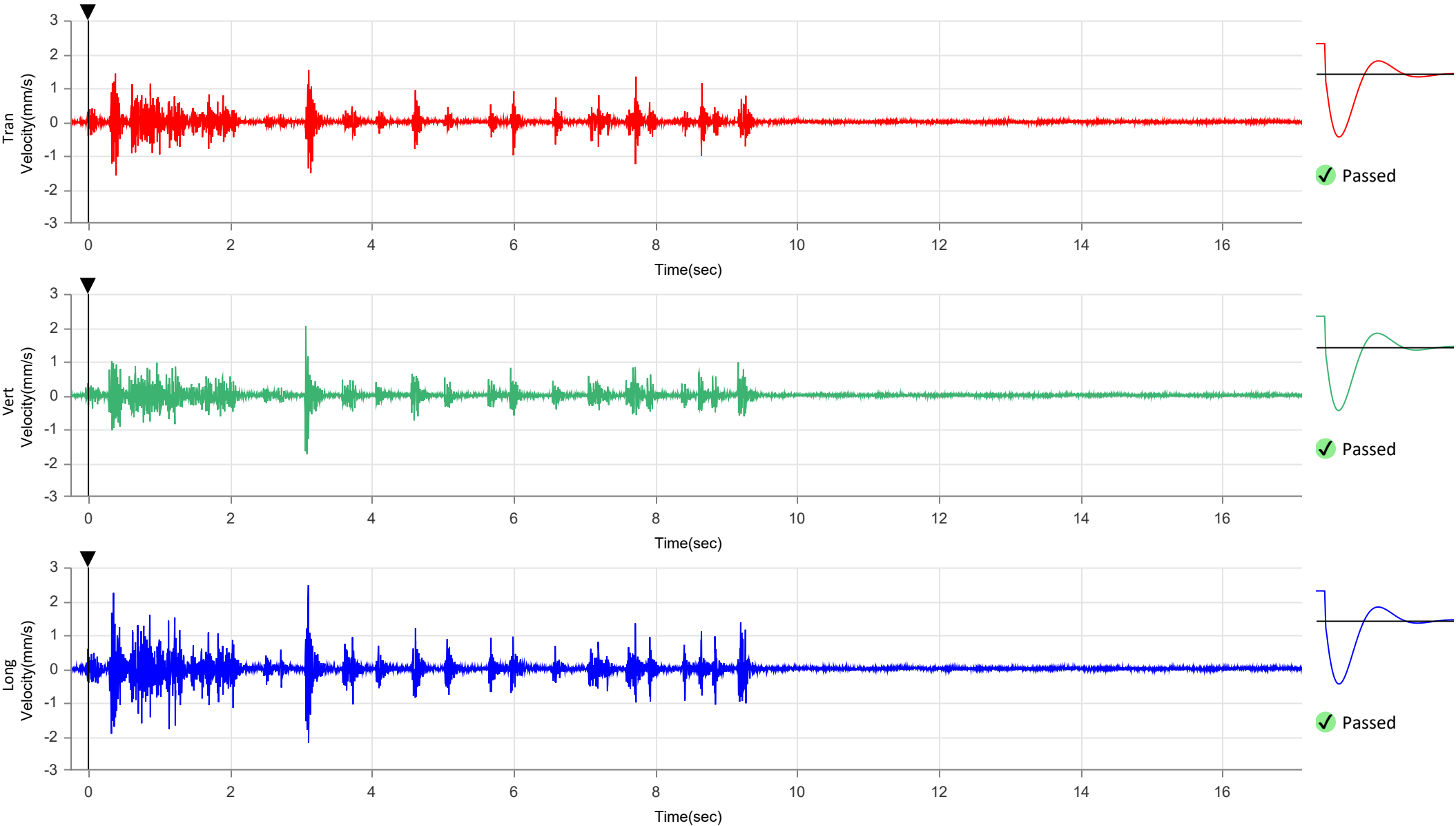
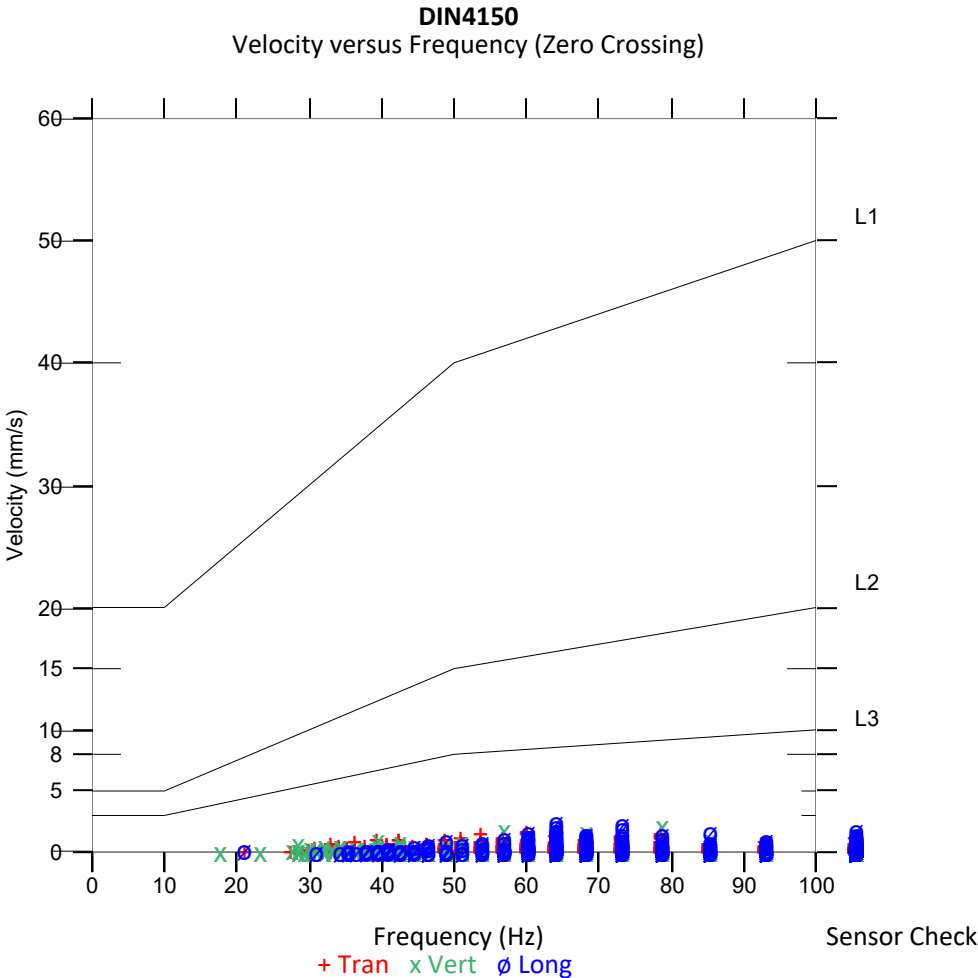
UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221027115728.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-23, Plavje 41/41a

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.584 mm/s	2.049 mm/s	2.475 mm/s
Zero Crossing Frequency	60.2 Hz	78.8 Hz	64.0 Hz
Time (Relative to Trigger)	0.395 sec	3.070 sec	3.107 sec
Peak Acceleration	0.082 g	0.114 g	0.194 g
Peak Displacement	0.005 mm	0.004 mm	0.007 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.7	4.3	4.4
Peak Vector Sum	2.952 mm/s at 3.107 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 13:04:37
Geo 0.500 mm/s
0.25 sec/13.5 sec (Auto)
2048 sps
factory.mmb
Operator

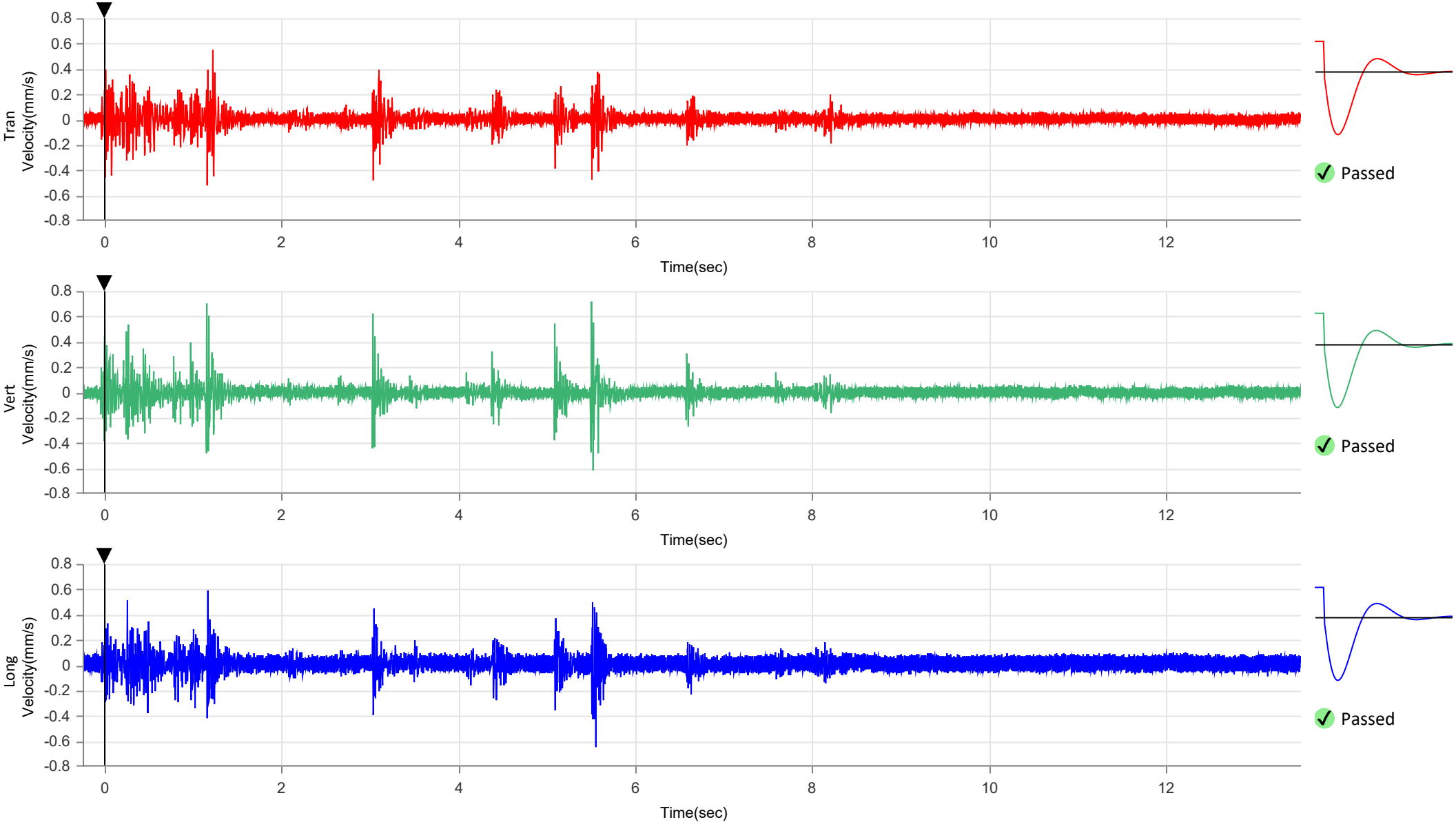
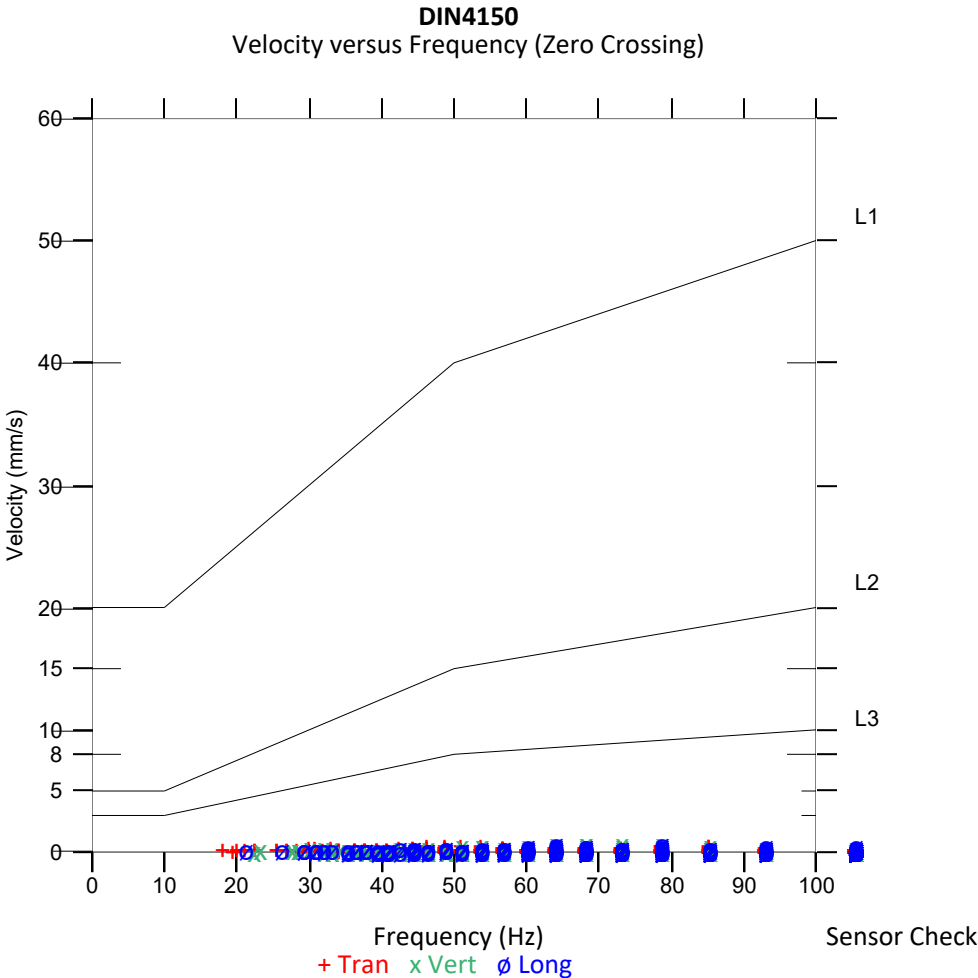
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221027130437.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.552 mm/s	0.717 mm/s	0.646 mm/s
Zero Crossing Frequency	53.9 Hz	73.1 Hz	64.0 Hz
Time (Relative to Trigger)	1.224 sec	5.506 sec	5.556 sec
Peak Acceleration	0.026 g	0.041 g	0.048 g
Peak Displacement	0.002 mm	0.002 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	0.736 mm/s at 5.523 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 28, 2022 11:58:30
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

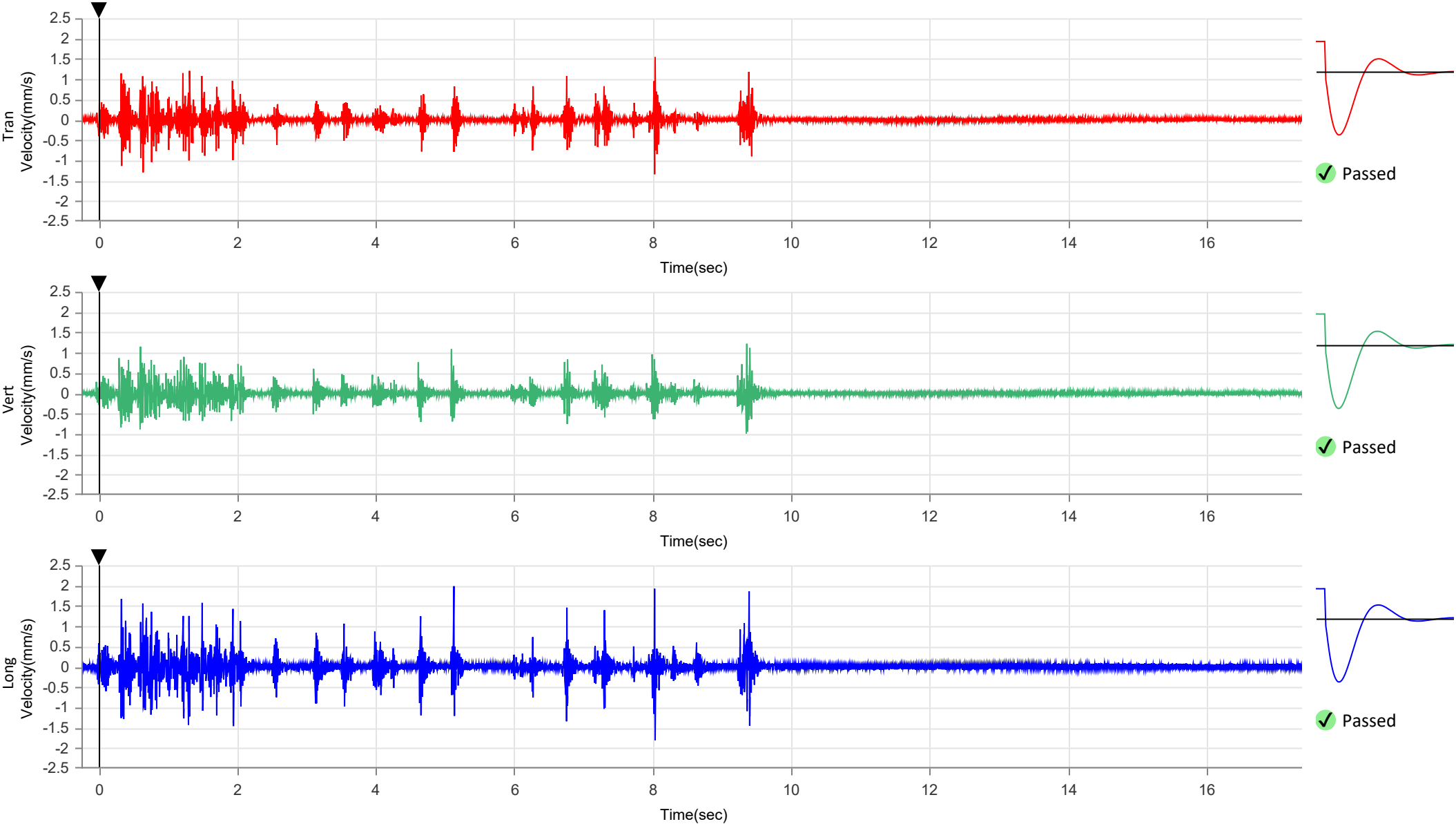
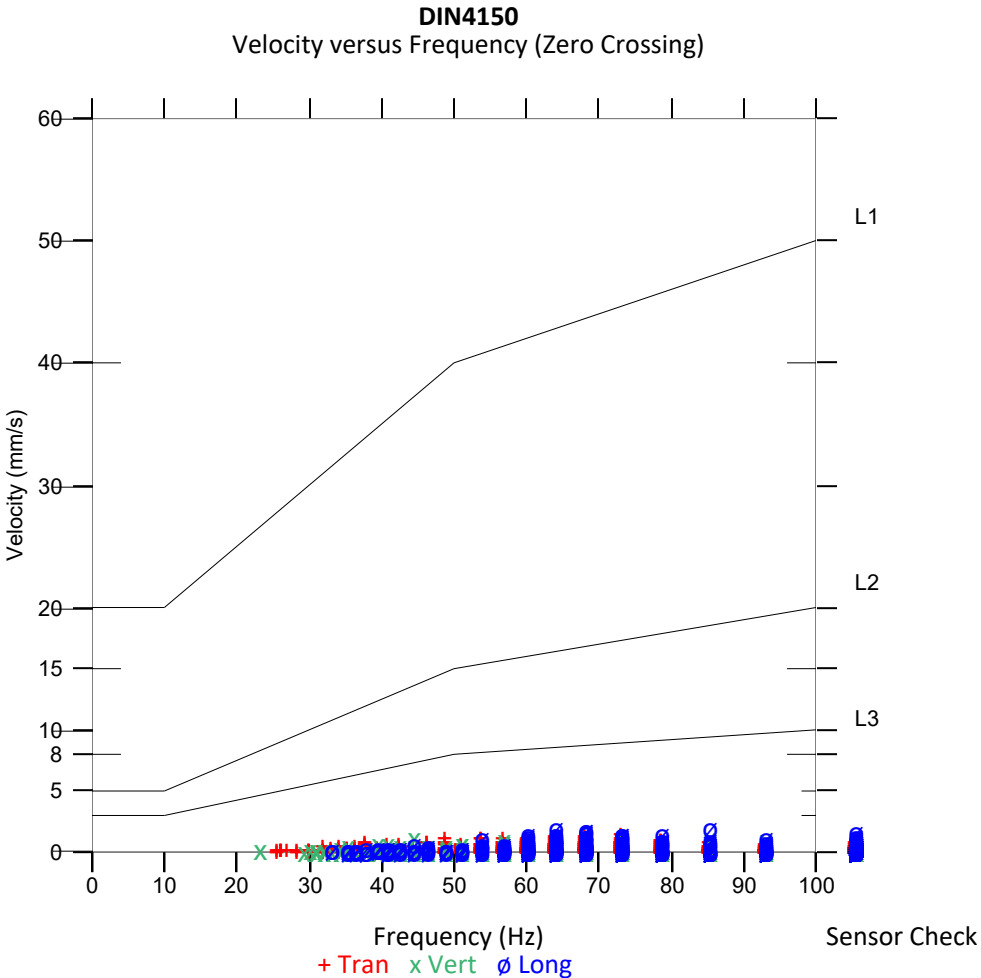
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221028115830.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.545 mm/s	1.222 mm/s	1.986 mm/s
Zero Crossing Frequency	73.1 Hz	73.1 Hz	85.3 Hz
Time (Relative to Trigger)	8.035 sec	9.357 sec	5.128 sec
Peak Acceleration	0.072 g	0.076 g	0.122 g
Peak Displacement	0.003 mm	0.003 mm	0.005 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	2.361 mm/s at 8.035 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:03
Geo 0.500 mm/s
0.25 sec/14.4 sec (Auto)
2048 sps
factory.mmb
Operator

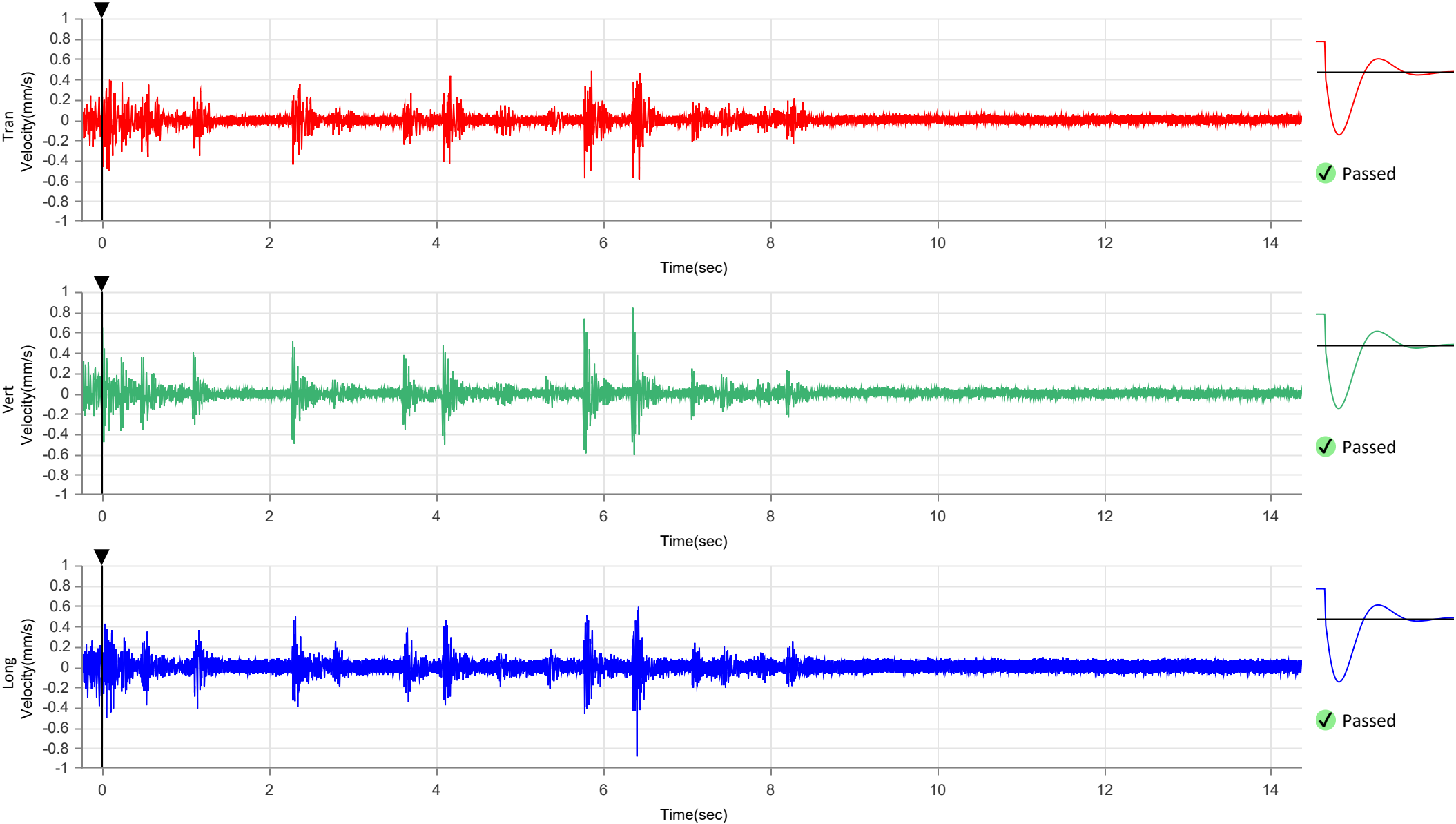
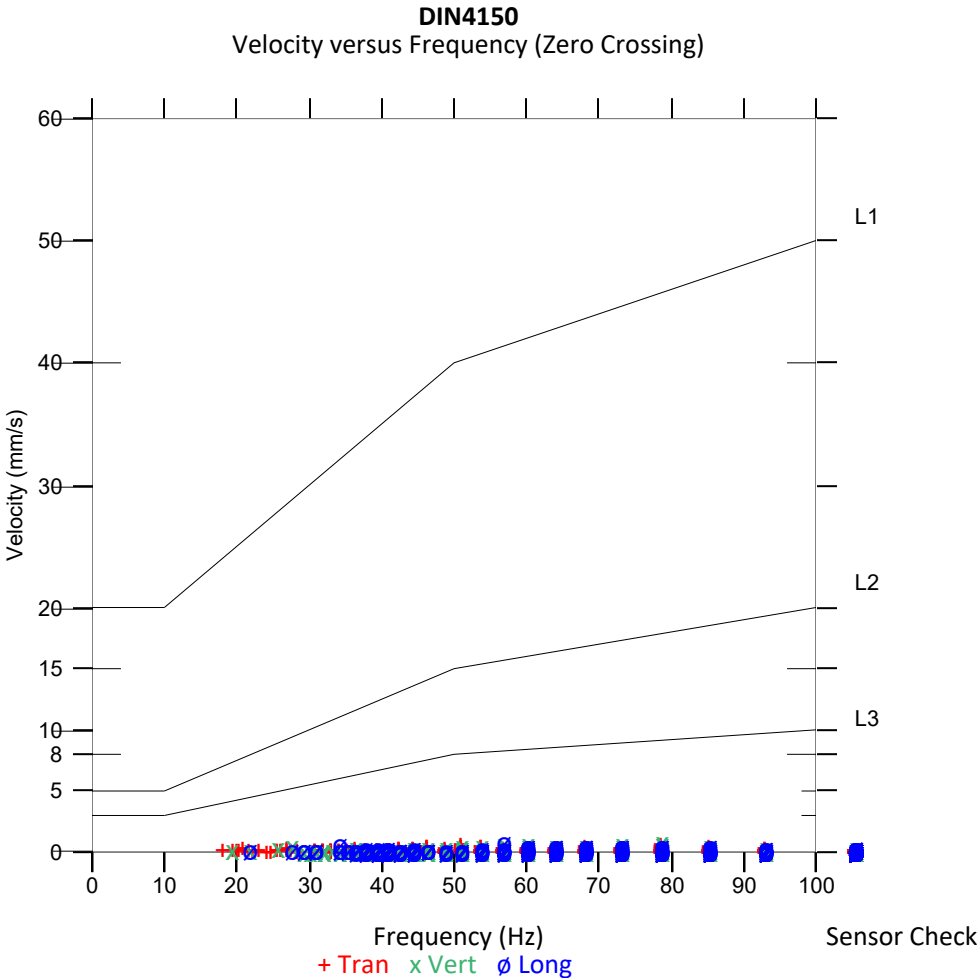
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221028163103.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.591 mm/s	0.843 mm/s	0.883 mm/s
Zero Crossing Frequency	51.2 Hz	78.8 Hz	56.9 Hz
Time (Relative to Trigger)	6.434 sec	6.356 sec	6.406 sec
Peak Acceleration	0.030 g	0.046 g	0.048 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	0.949 mm/s at 6.406 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 09:43:41
Geo 0.500 mm/s
0.25 sec/17.3 sec (Auto)
2048 sps
factory.mmb
Operator

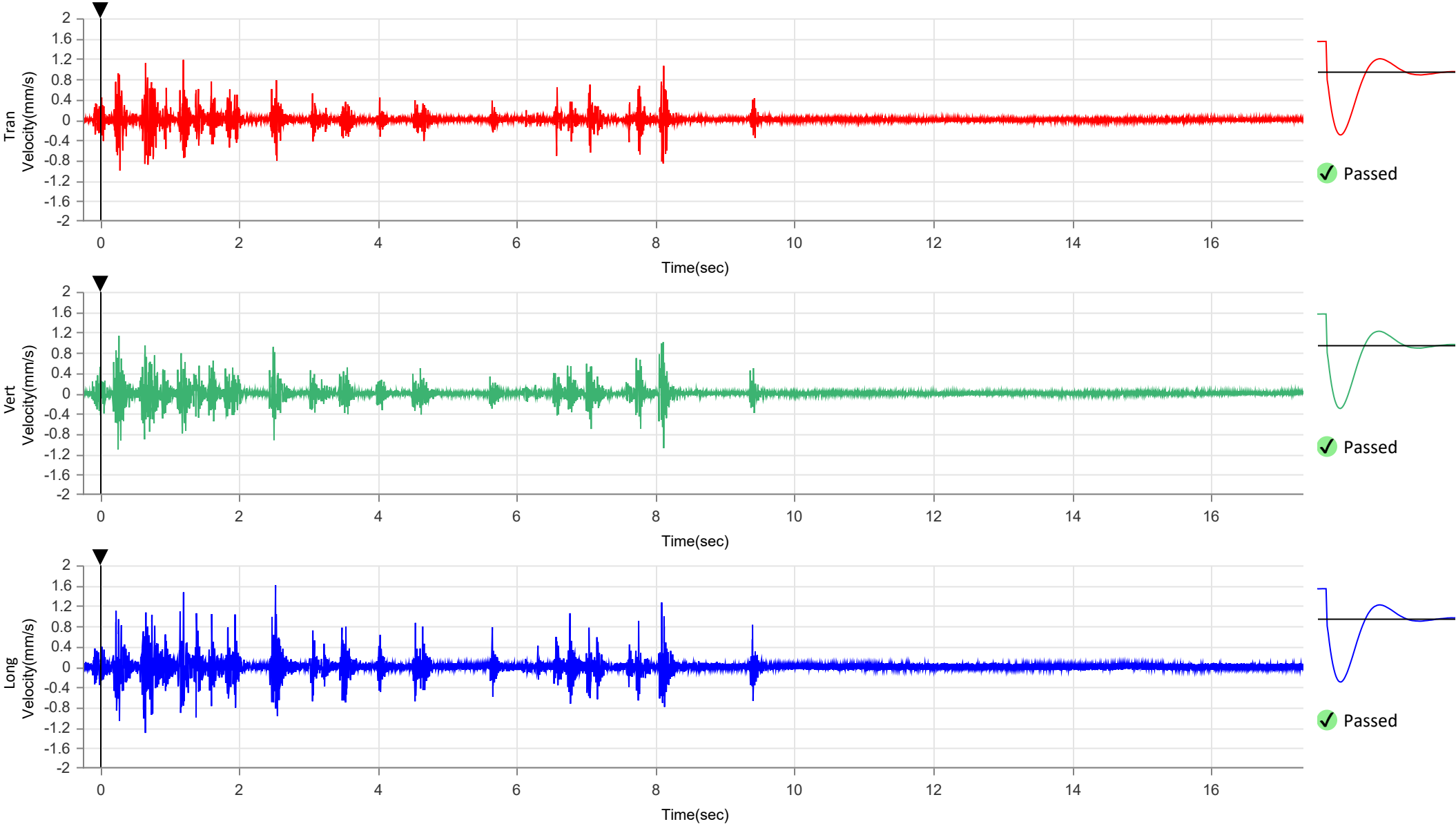
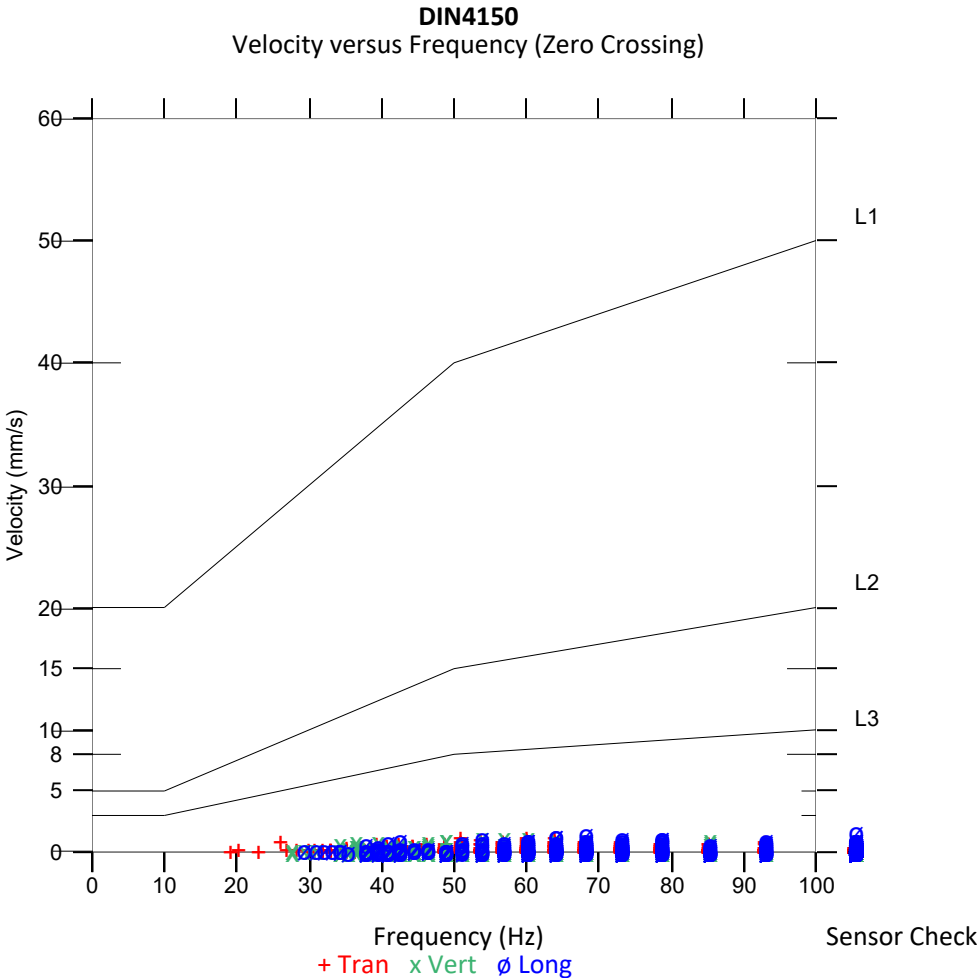
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221029094341.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.182 mm/s	1.135 mm/s	1.608 mm/s
Zero Crossing Frequency	60.2 Hz	56.9 Hz	>100 Hz
Time (Relative to Trigger)	1.198 sec	0.271 sec	2.526 sec
Peak Acceleration	0.048 g	0.066 g	0.110 g
Peak Displacement	0.003 mm	0.003 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.3
Peak Vector Sum	1.726 mm/s at 2.526 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 12:17:00
Geo 0.500 mm/s
0.25 sec/8.2 sec (Auto)
2048 sps
factory.mmb
Operator

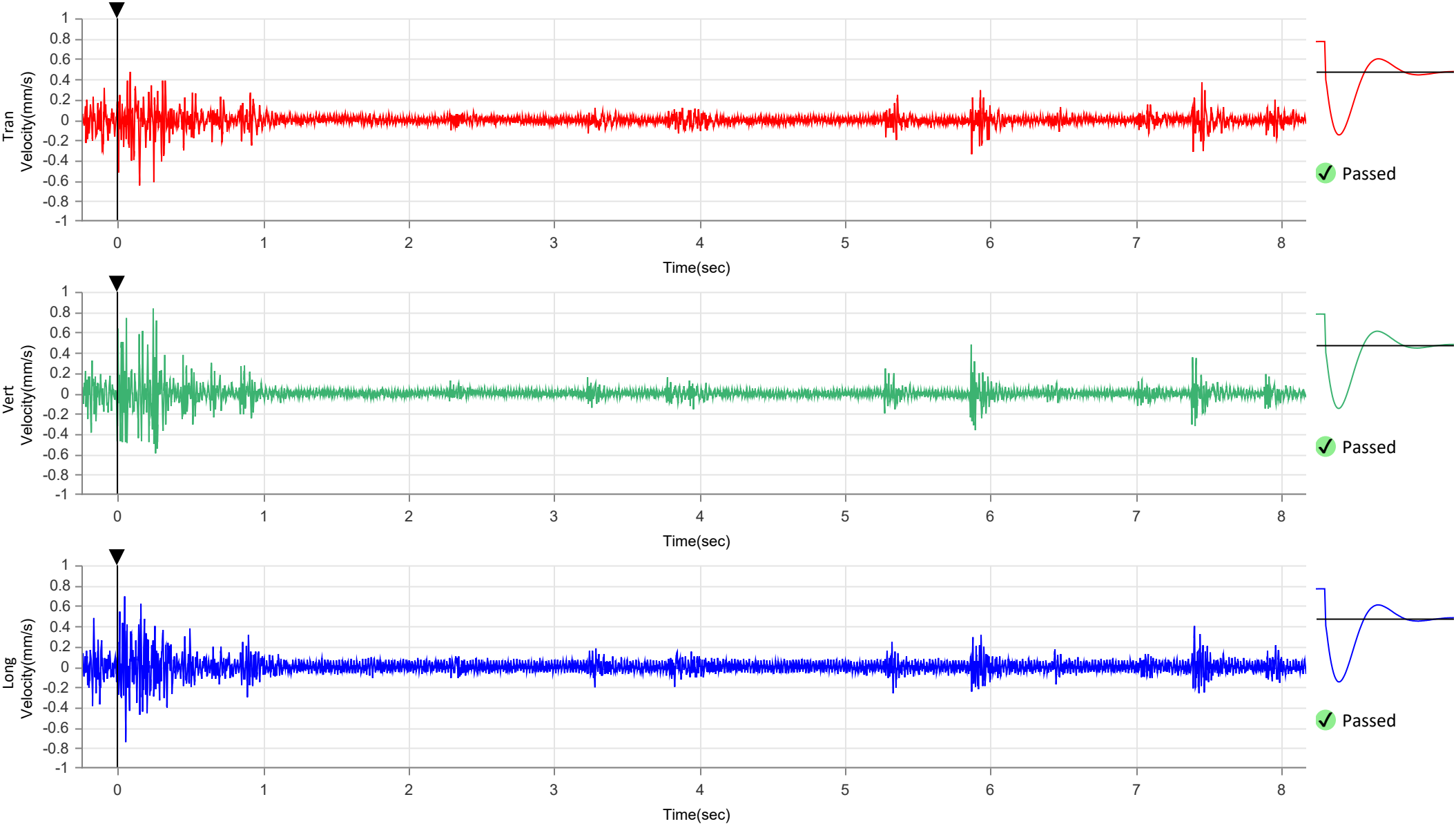
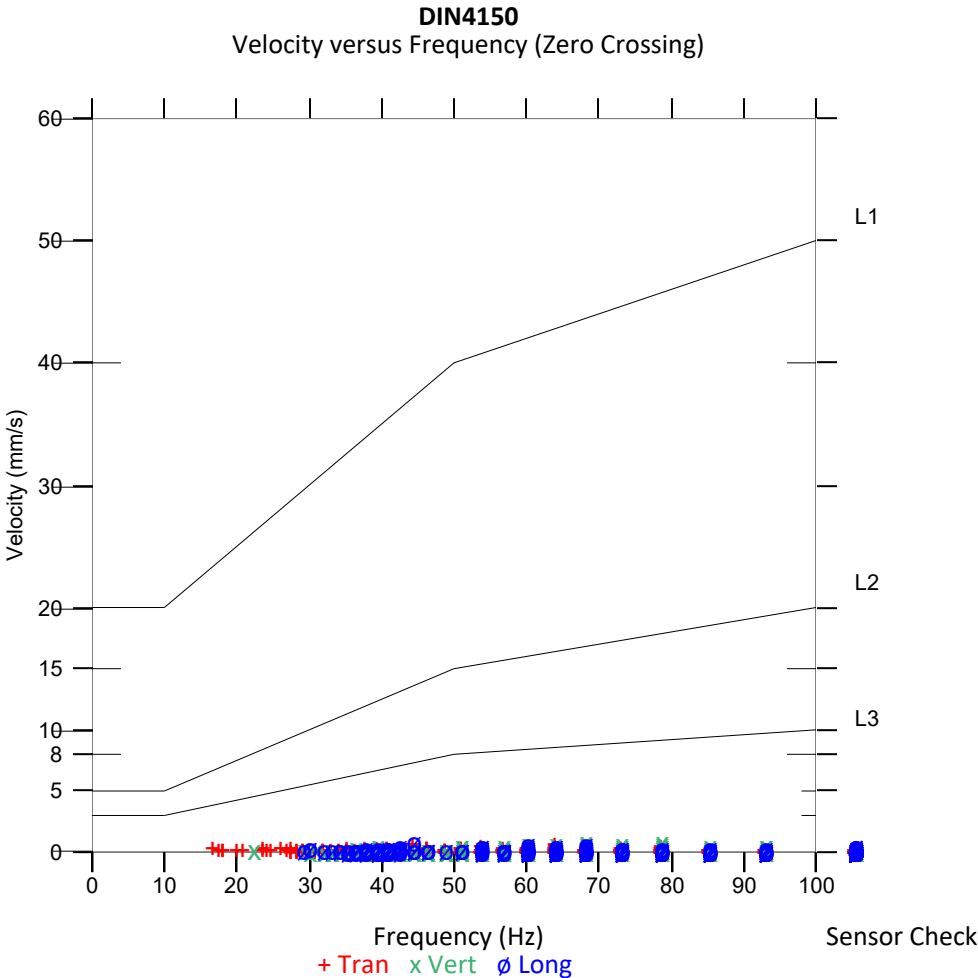
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221029121700.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.646 mm/s	0.835 mm/s	0.741 mm/s
Zero Crossing Frequency	44.5 Hz	78.8 Hz	44.5 Hz
Time (Relative to Trigger)	0.150 sec	0.244 sec	0.056 sec
Peak Acceleration	0.026 g	0.048 g	0.044 g
Peak Displacement	0.002 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	0.875 mm/s at 0.244 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:34
Geo 0.500 mm/s
0.25 sec/16.9 sec (Auto)
2048 sps
factory.mmb
Operator

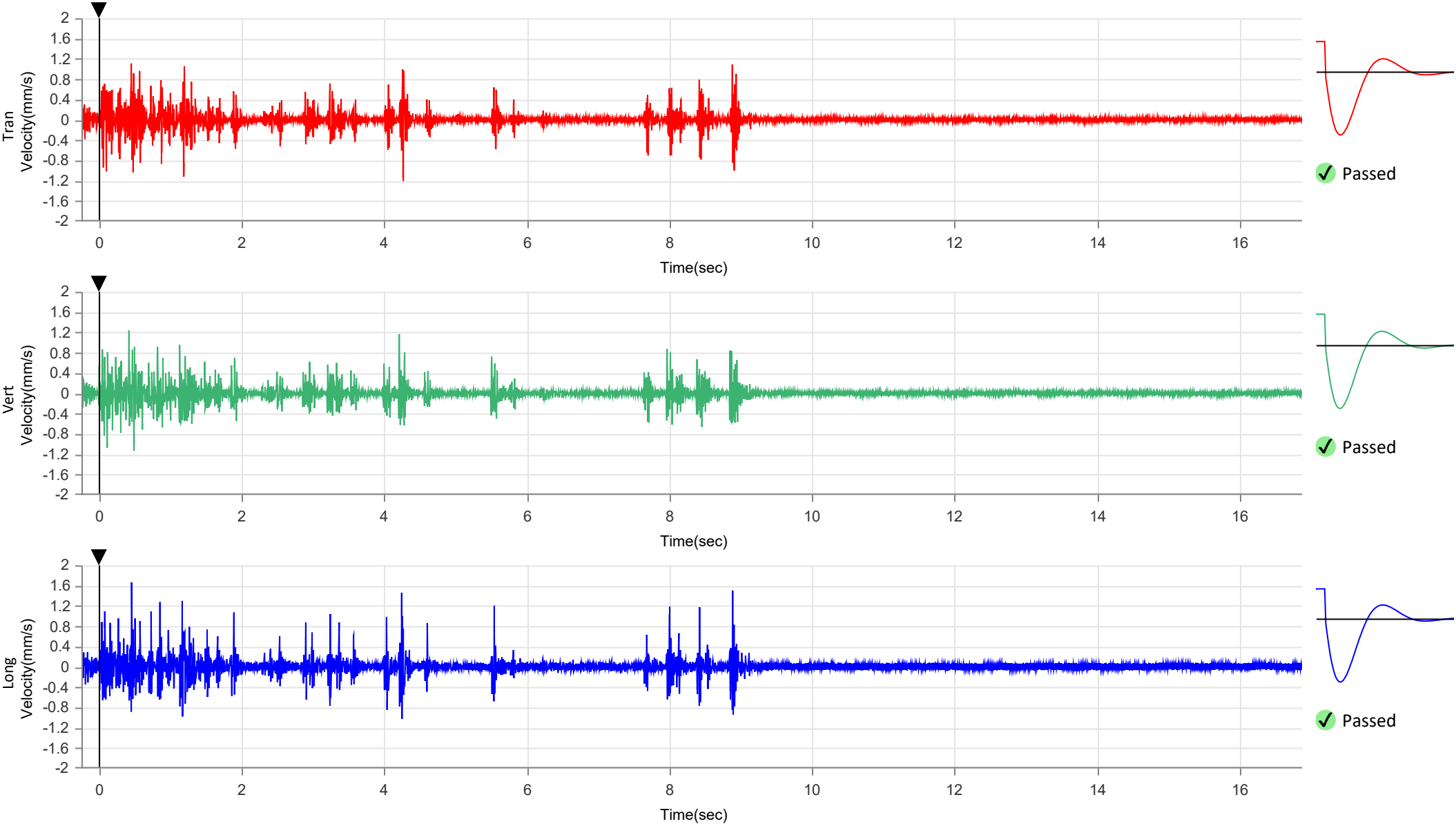
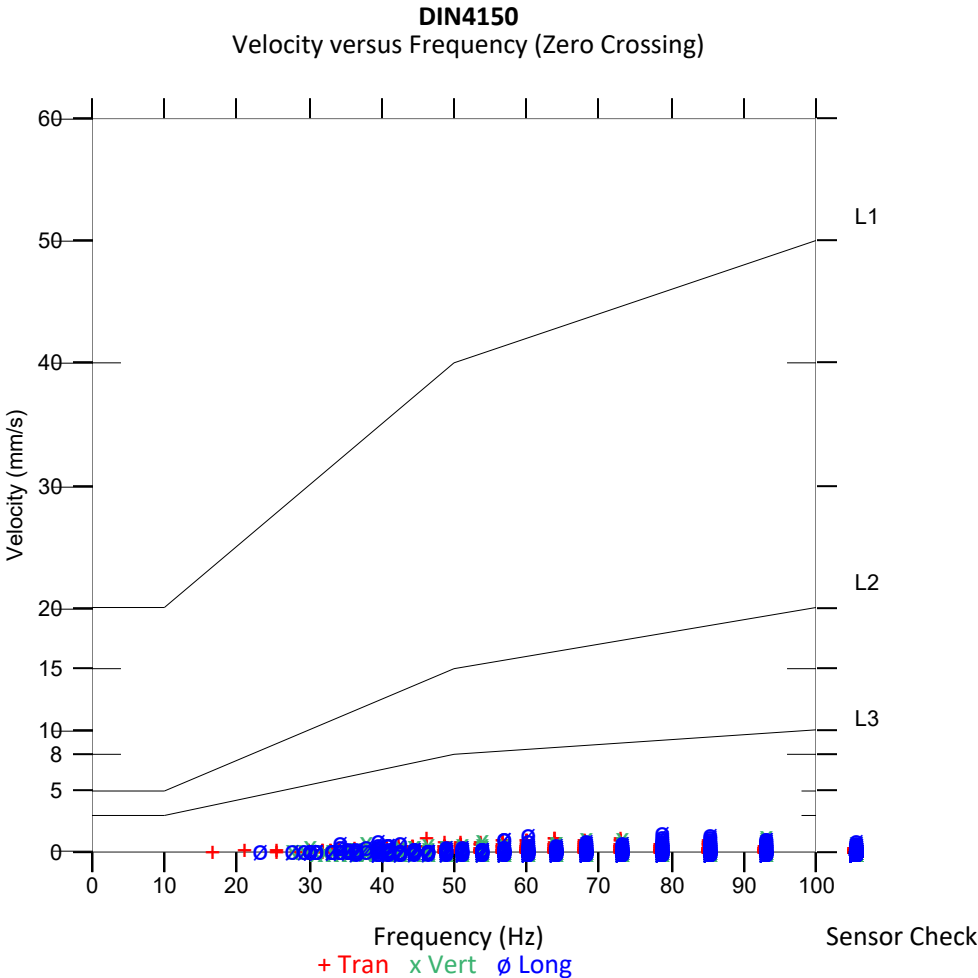
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221030095434.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.206 mm/s	1.237 mm/s	1.663 mm/s
Zero Crossing Frequency	73.1 Hz	93.1 Hz	78.8 Hz
Time (Relative to Trigger)	4.264 sec	0.418 sec	0.455 sec
Peak Acceleration	0.059 g	0.067 g	0.081 g
Peak Displacement	0.003 mm	0.003 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.5 Hz	6.9 Hz	6.7 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	1.702 mm/s at 0.455 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 11:29:56
Geo 0.500 mm/s
0.25 sec/15.8 sec (Auto)
2048 sps
factory.mmb
Operator

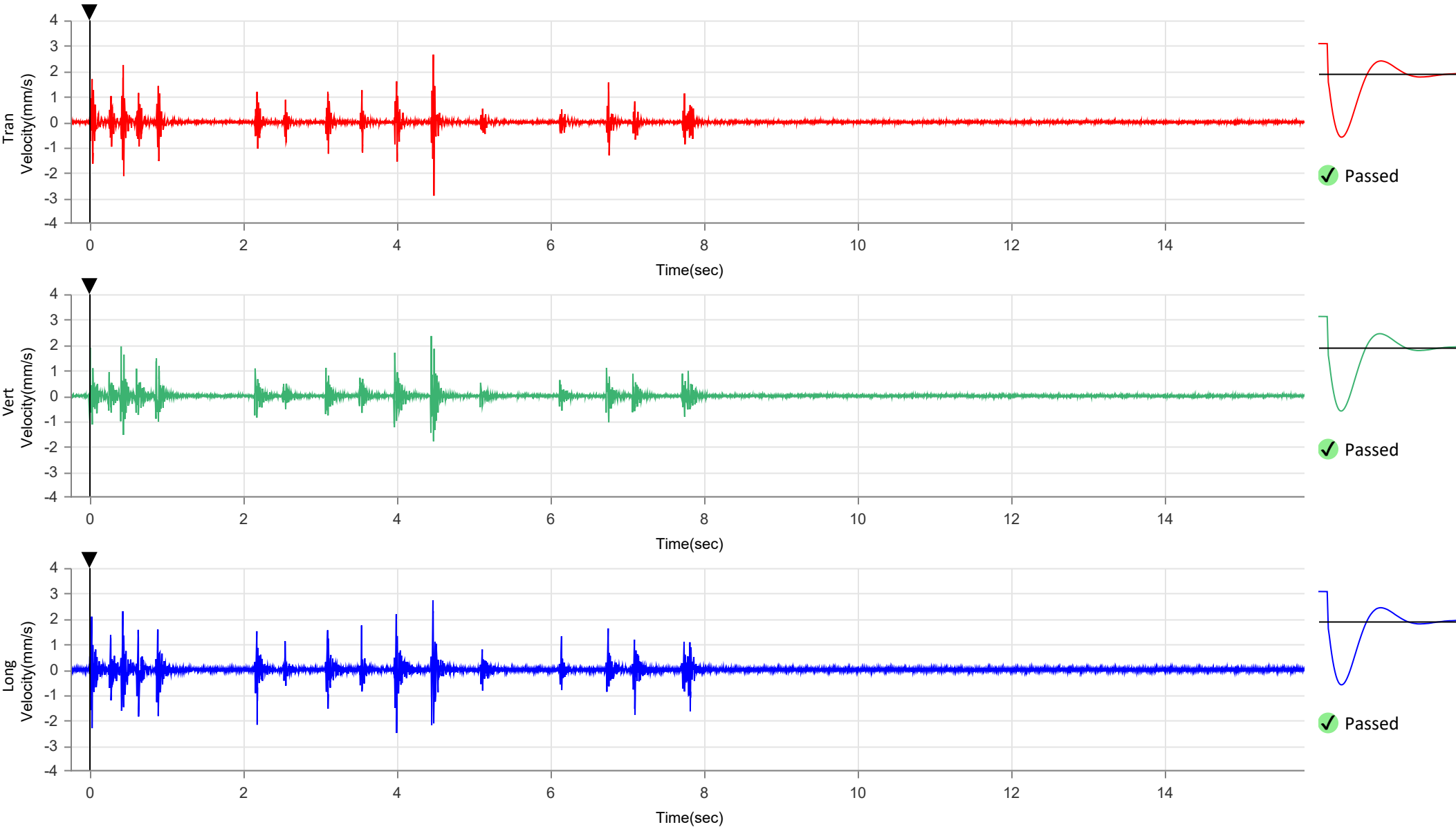
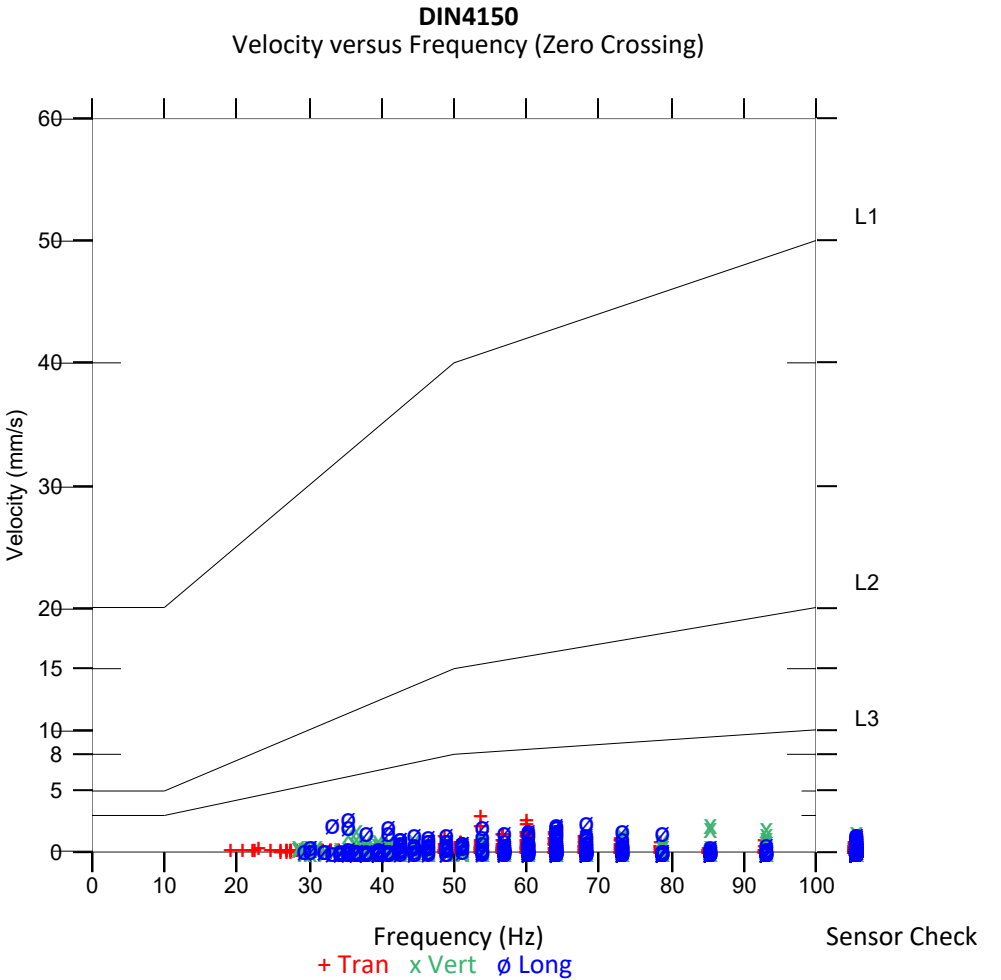
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221030112956.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.901 mm/s	2.357 mm/s	2.727 mm/s
Zero Crossing Frequency	53.9 Hz	85.3 Hz	35.3 Hz
Time (Relative to Trigger)	4.485 sec	4.451 sec	4.473 sec
Peak Acceleration	0.135 g	0.127 g	0.178 g
Peak Displacement	0.008 mm	0.005 mm	0.008 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	3.296 mm/s at 4.478 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 14:19:08
Geo 0.500 mm/s
0.25 sec/9.3 sec (Auto)
2048 sps
factory.mmb
Operator

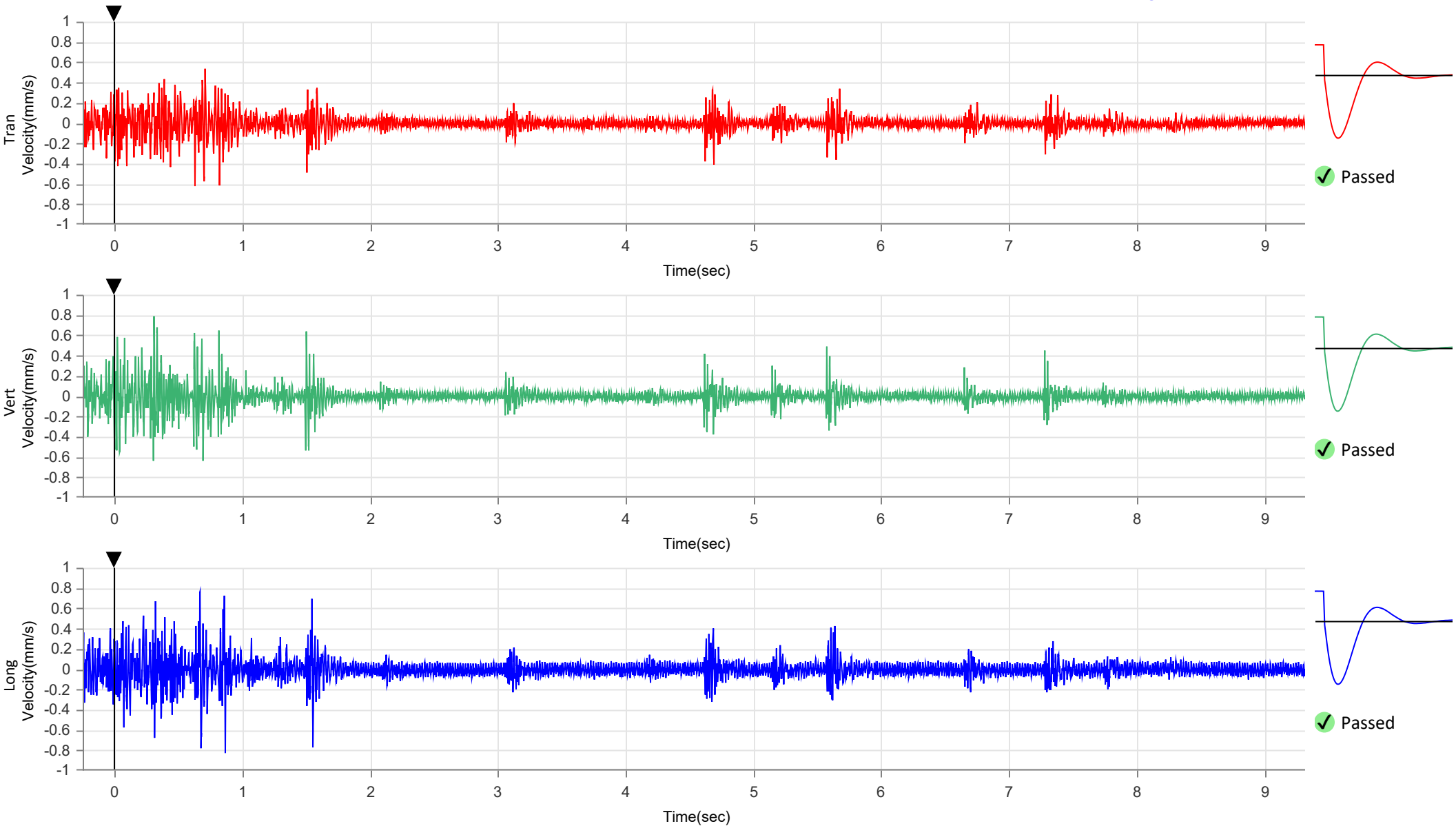
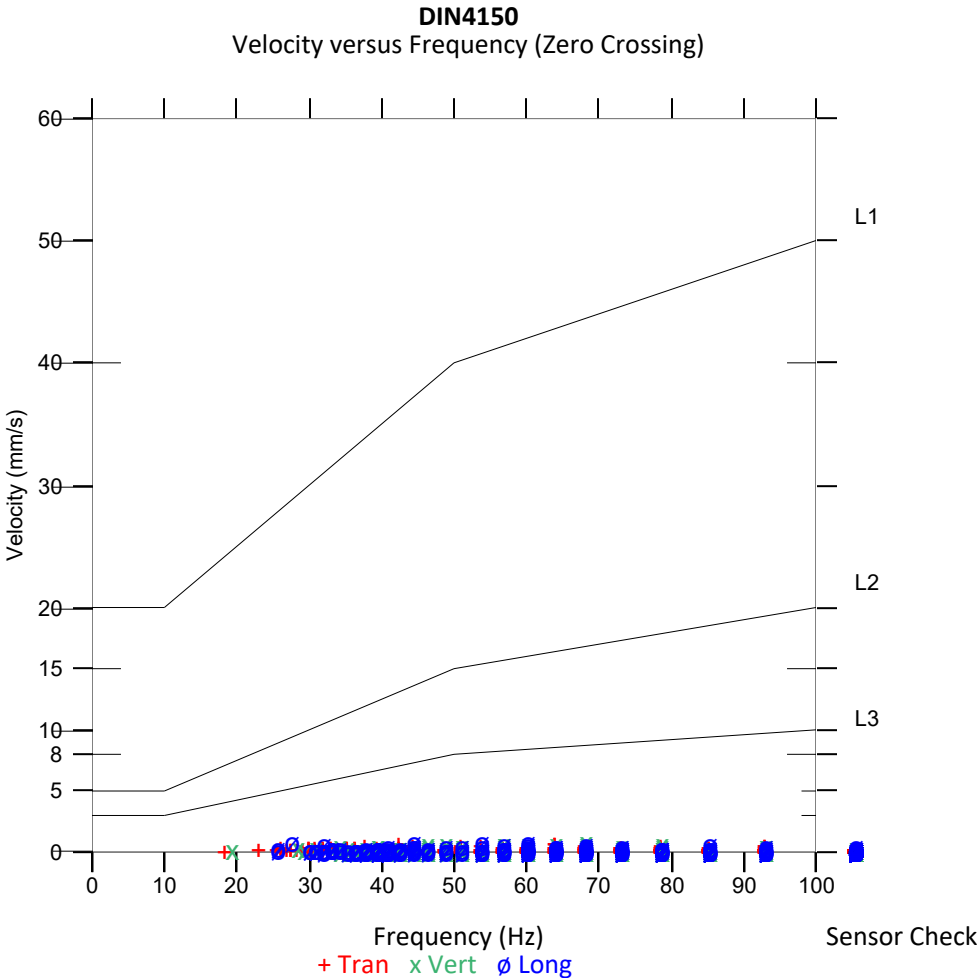
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221030141908.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.623 mm/s	0.788 mm/s	0.828 mm/s
Zero Crossing Frequency	64.0 Hz	68.3 Hz	64.0 Hz
Time (Relative to Trigger)	0.629 sec	0.309 sec	0.867 sec
Peak Acceleration	0.033 g	0.053 g	0.054 g
Peak Displacement	0.002 mm	0.002 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.4
Peak Vector Sum	0.866 mm/s at 0.867 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at October 31, 2022 13:04:44
Geo 0.500 mm/s
0.25 sec/15.8 sec (Auto)
2048 sps
factory.mmb
Operator

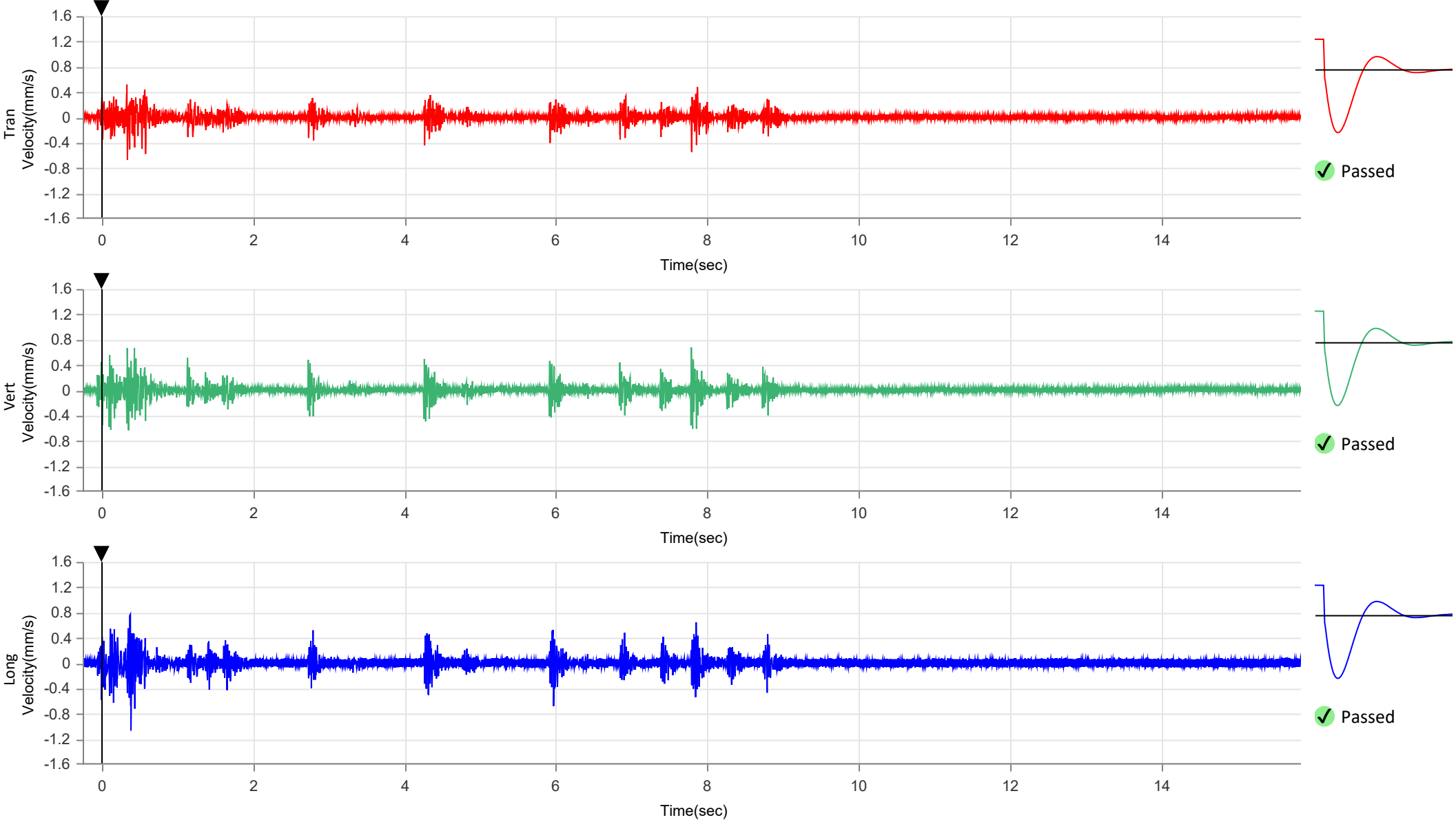
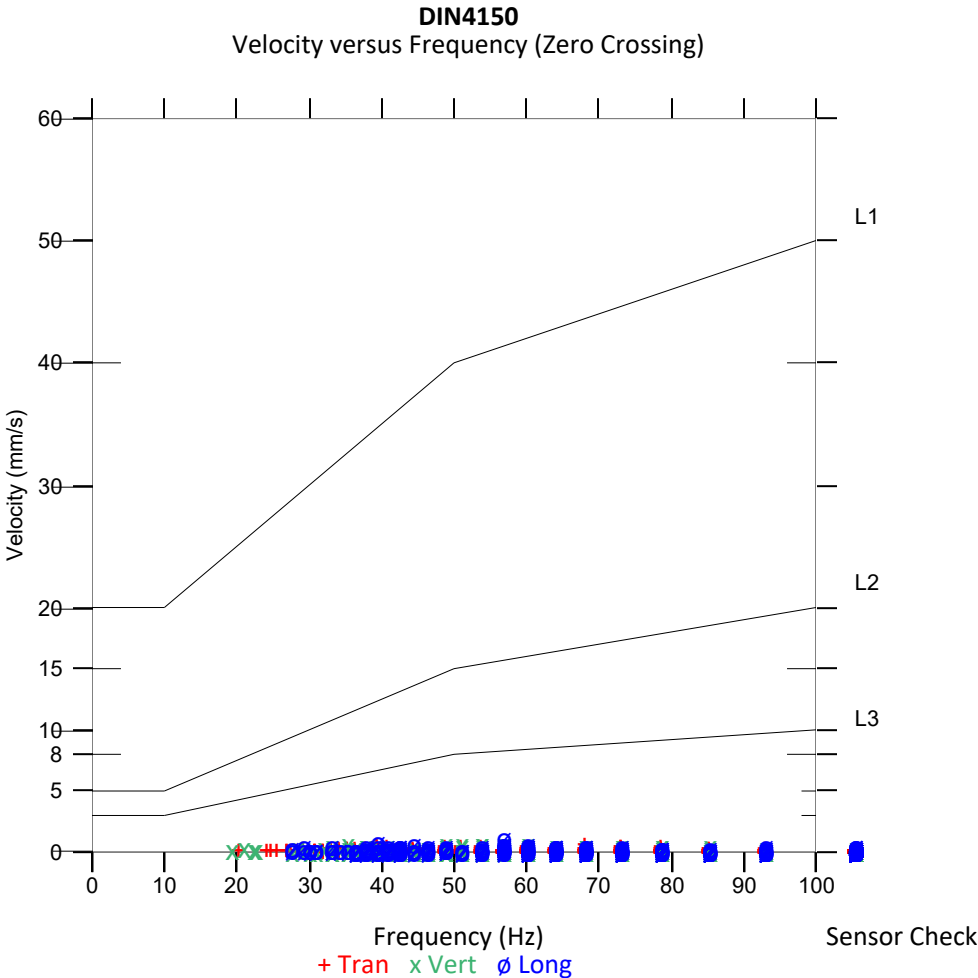
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM15839
Micromate DIN 10.90GC
3.8 volts
October 5, 2022 by RGN Zagreb
UM15839_20221031130444.IDFW
Disabled

Notes
Location MM-23, Plavje 41/41a
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.670 mm/s	0.678 mm/s	1.064 mm/s
Zero Crossing Frequency	68.3 Hz	53.9 Hz	56.9 Hz
Time (Relative to Trigger)	0.343 sec	7.789 sec	0.389 sec
Peak Acceleration	0.036 g	0.049 g	0.072 g
Peak Displacement	0.002 mm	0.002 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.6	4.3	4.3
Peak Vector Sum	1.159 mm/s at 0.389 sec		



PRILOGA 1.12:
Rezultati meritev
- MM-25 (Plavje 44) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 11:30:12
Geo 1.000 mm/s
0.25 sec/16.8 sec (Auto)
2048 sps
factory.mmb
Operator

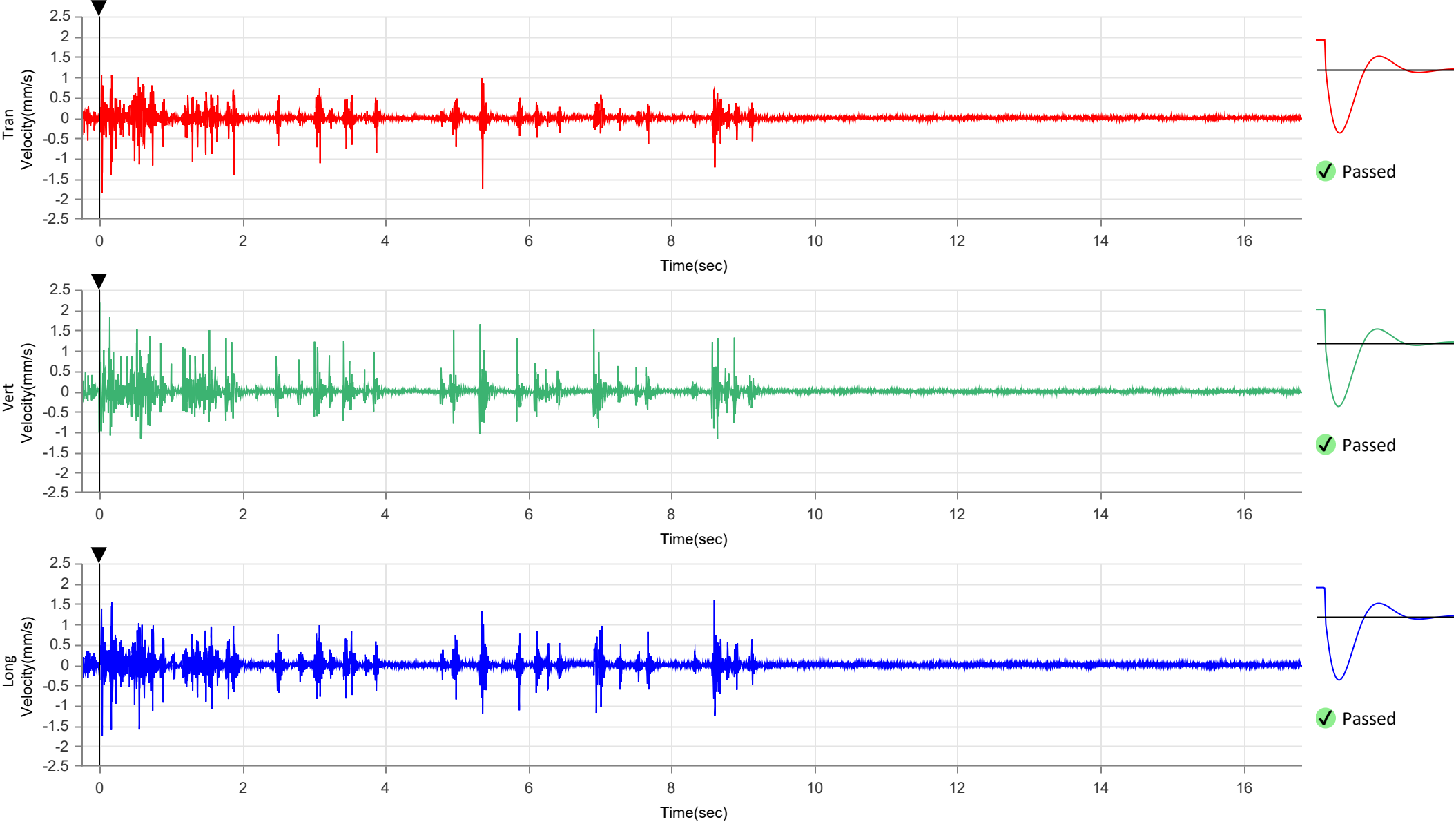
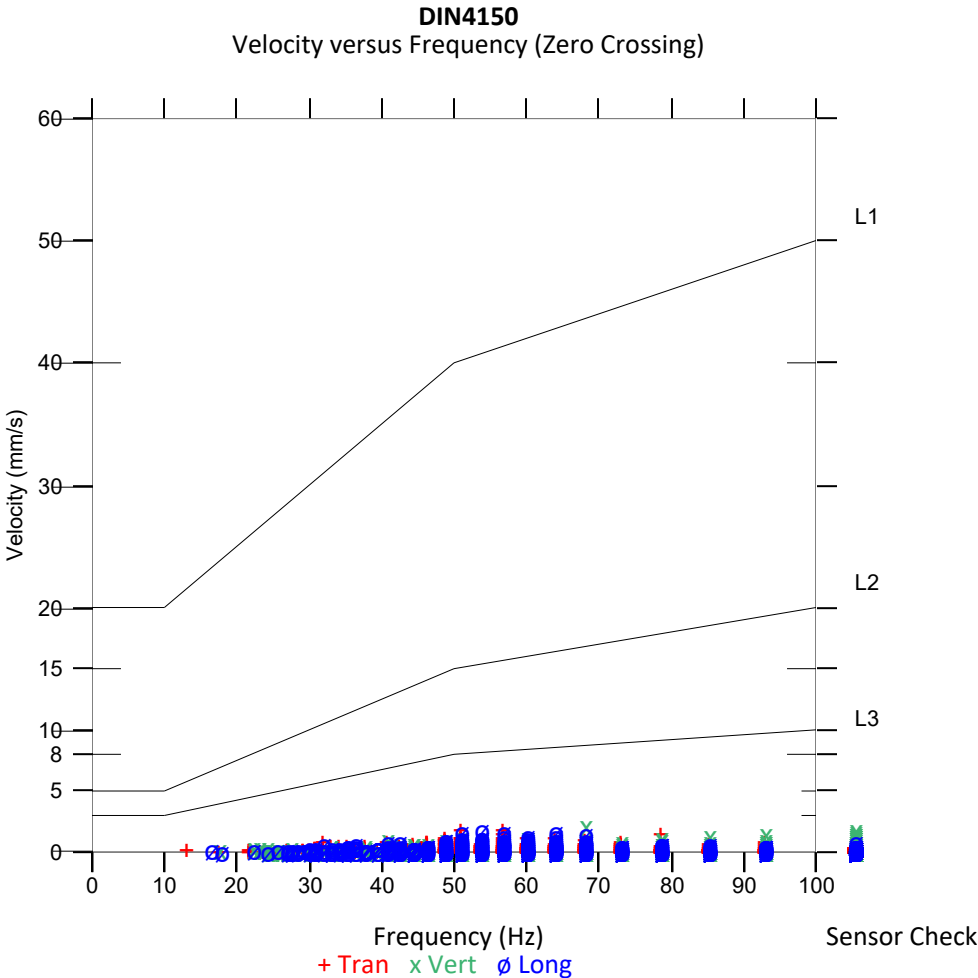
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221024113012.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.860 mm/s	2.199 mm/s	1.750 mm/s
Zero Crossing Frequency	56.9 Hz	68.3 Hz	53.9 Hz
Time (Relative to Trigger)	0.039 sec	0.004 sec	0.041 sec
Peak Acceleration	0.076 g	0.138 g	0.074 g
Peak Displacement	0.005 mm	0.003 mm	0.005 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.5
Peak Vector Sum	2.339 mm/s at 0.040 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 09:21:34
Geo 1.000 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

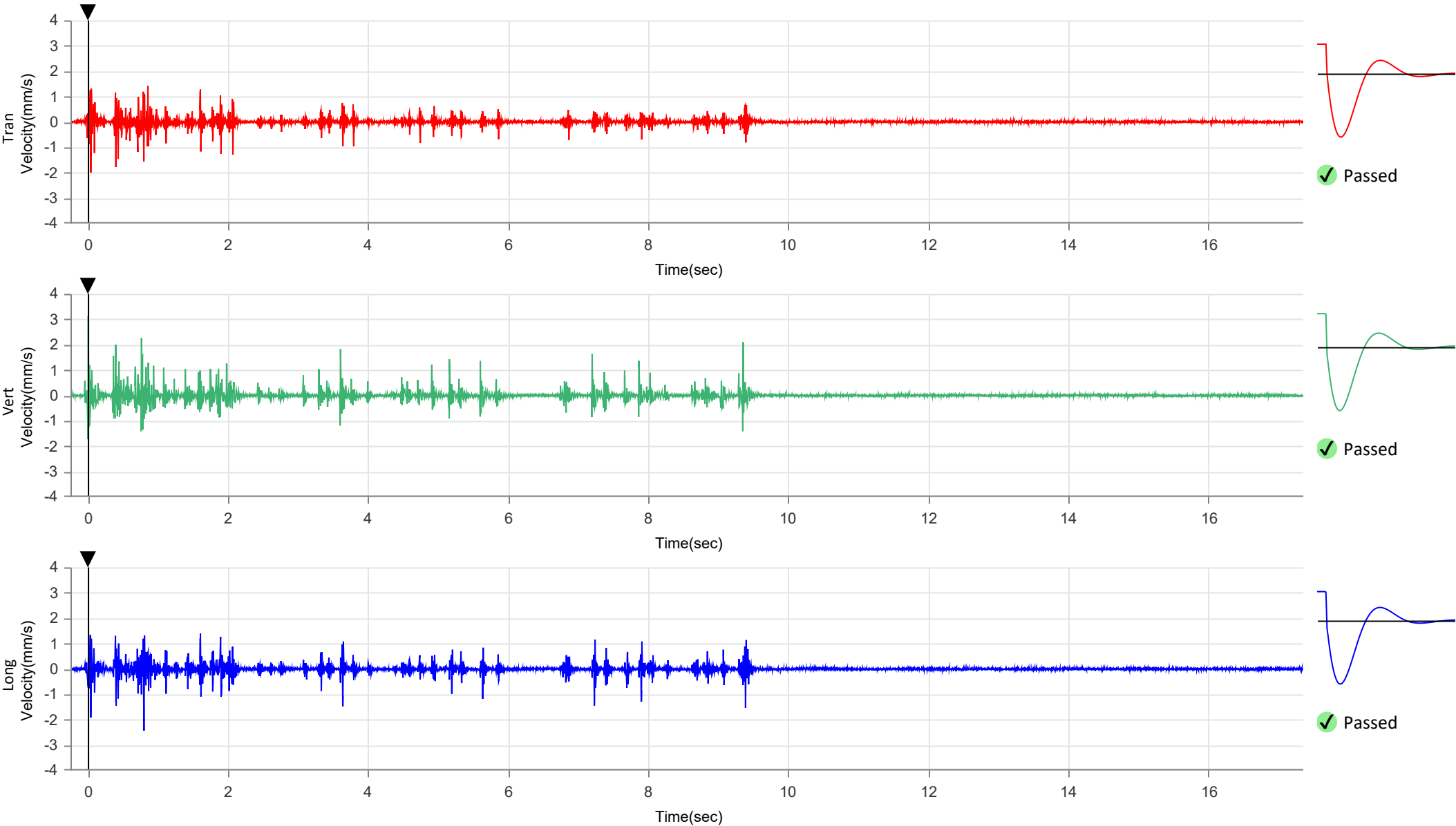
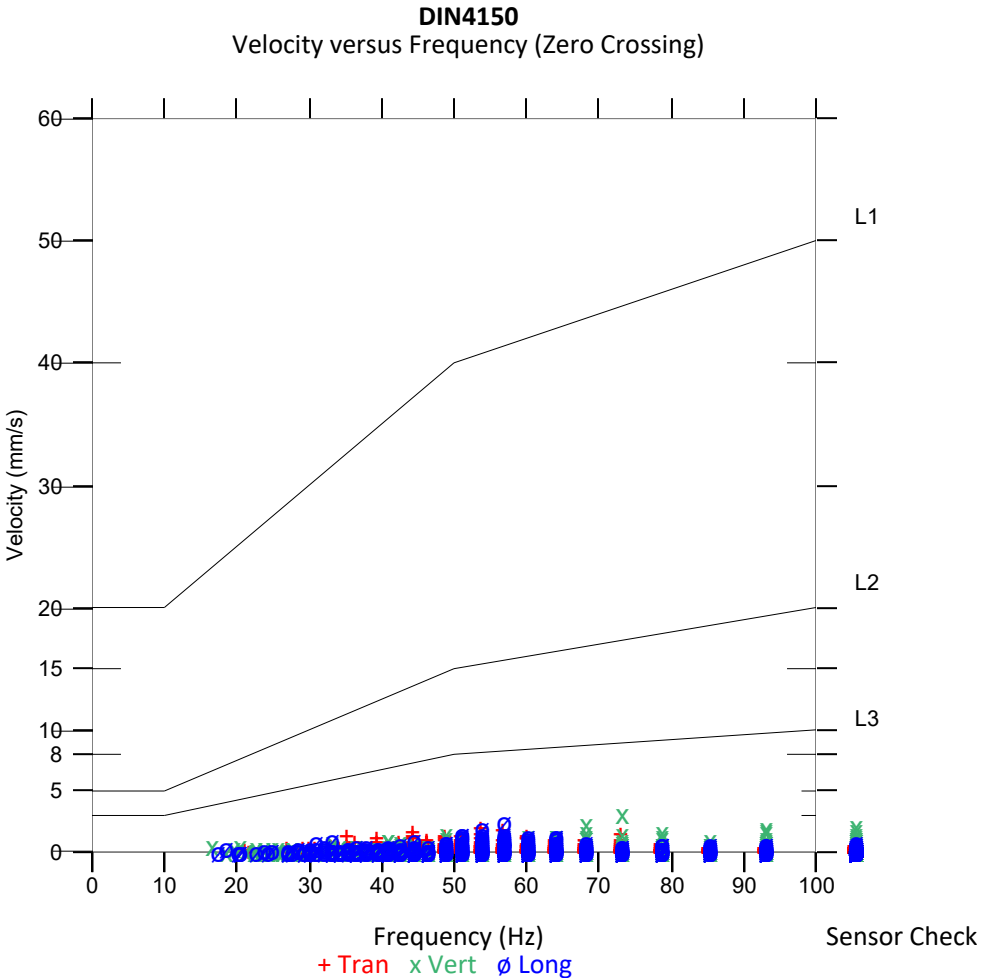
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221025092134.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.994 mm/s	3.137 mm/s	2.435 mm/s
Zero Crossing Frequency	53.9 Hz	73.1 Hz	56.9 Hz
Time (Relative to Trigger)	0.041 sec	0.005 sec	0.800 sec
Peak Acceleration	0.090 g	0.202 g	0.089 g
Peak Displacement	0.006 mm	0.005 mm	0.006 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.5
Peak Vector Sum	3.256 mm/s at 0.005 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 11:12:54
Geo 1.000 mm/s
0.25 sec/17.1 sec (Auto)
2048 sps
factory.mmb
Operator

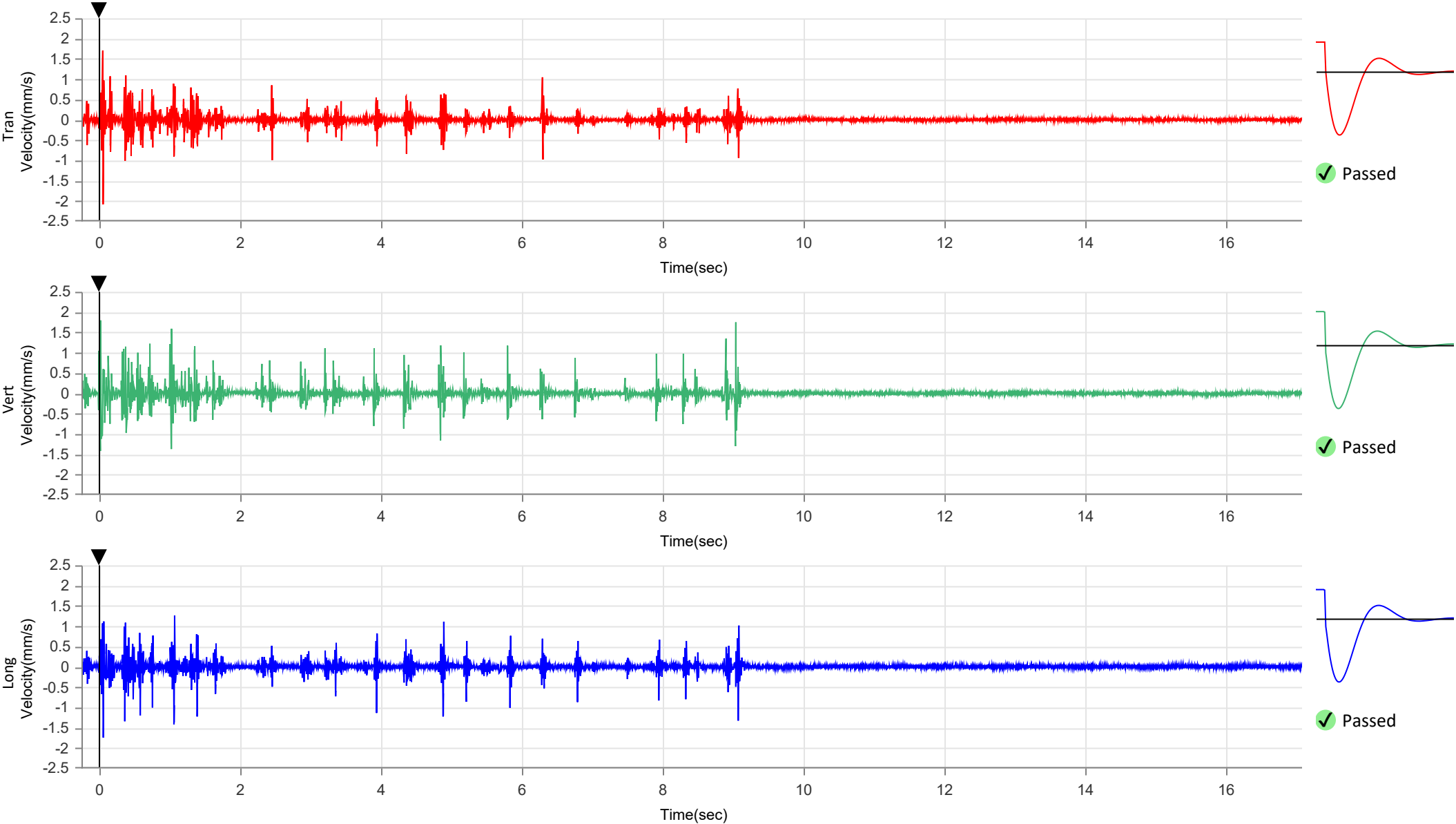
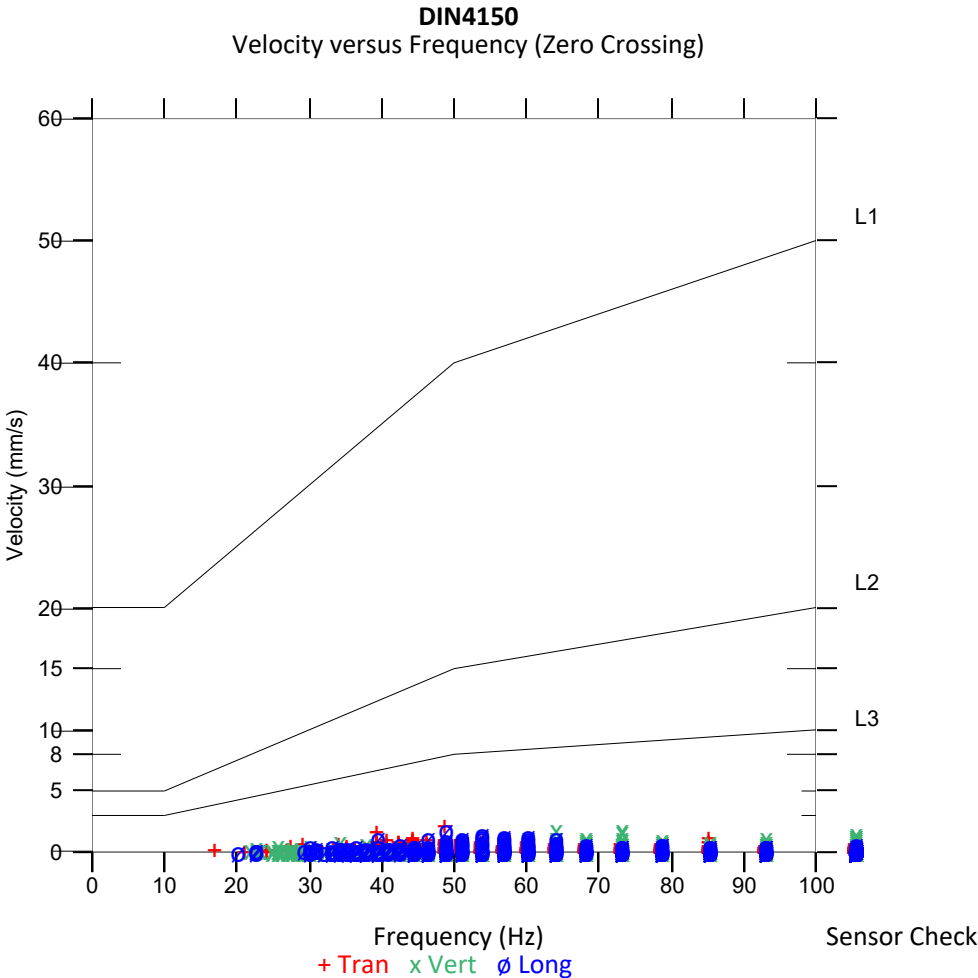
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221026111254.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	2.081 mm/s	1.797 mm/s	1.742 mm/s
Zero Crossing Frequency	48.8 Hz	73.1 Hz	48.8 Hz
Time (Relative to Trigger)	0.060 sec	0.024 sec	0.061 sec
Peak Acceleration	0.095 g	0.148 g	0.064 g
Peak Displacement	0.006 mm	0.003 mm	0.005 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.5
Peak Vector Sum	2.696 mm/s at 0.060 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 16:42:59
Geo 1.000 mm/s
0.25 sec/17.1 sec (Auto)
2048 sps
factory.mmb
Operator

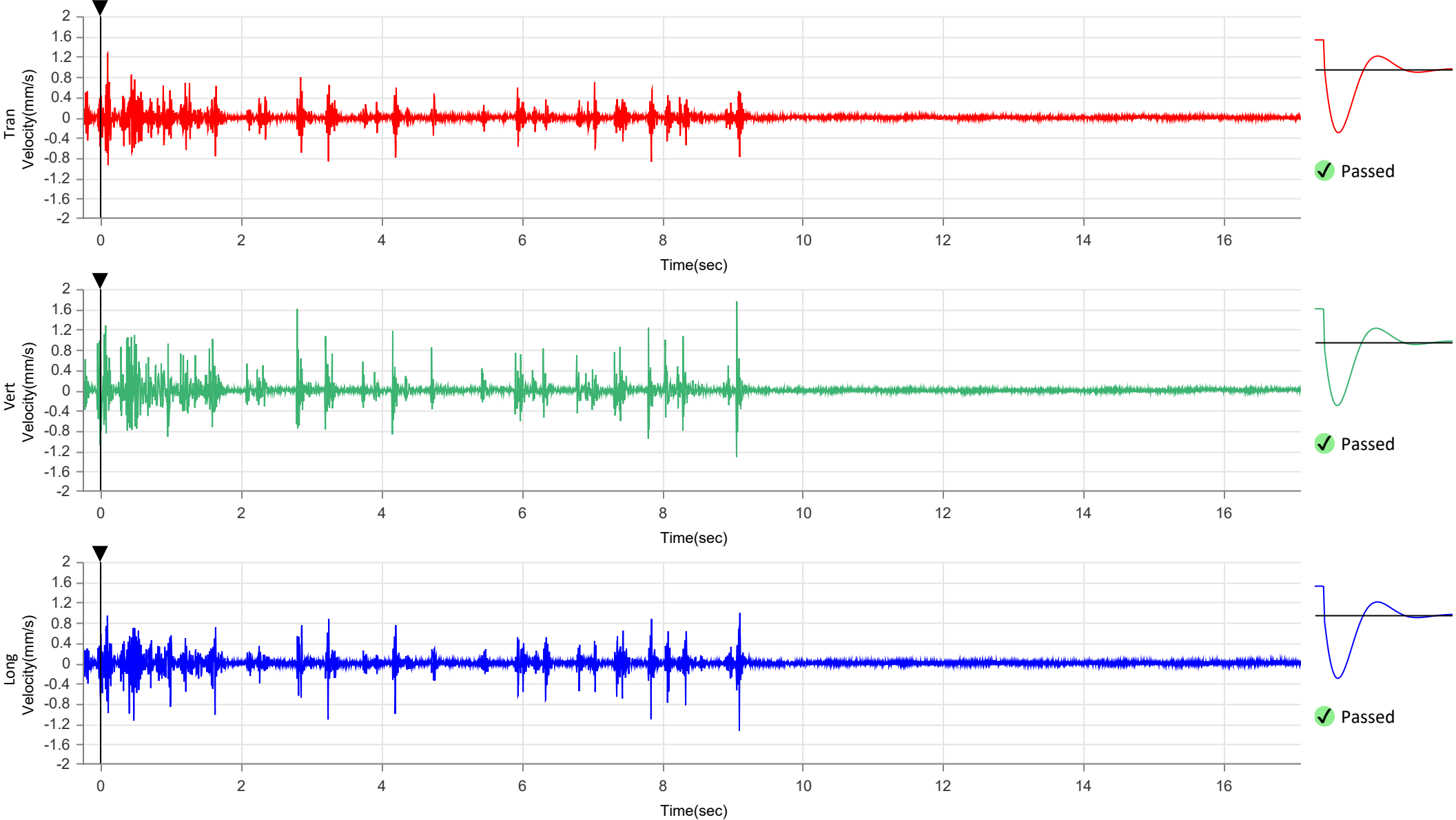
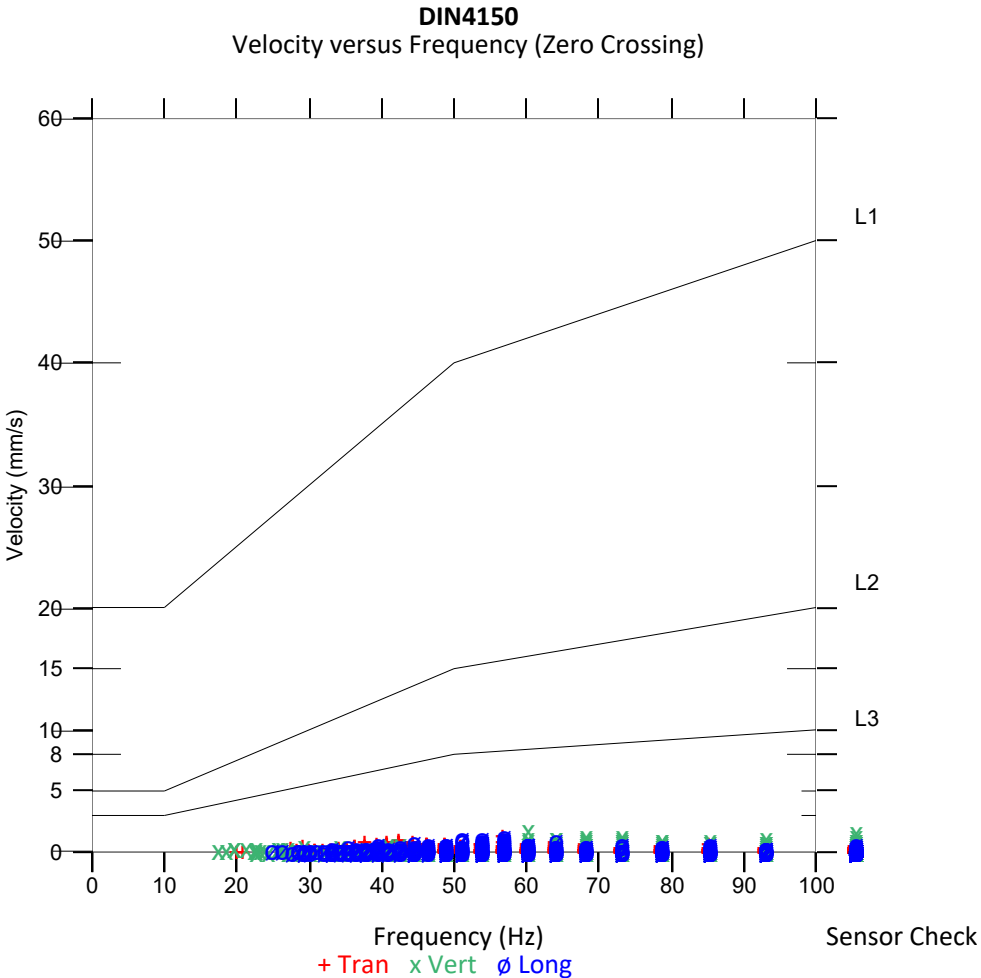
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221026164259.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.261 mm/s	1.758 mm/s	1.332 mm/s
Zero Crossing Frequency	60.2 Hz	60.2 Hz	56.9 Hz
Time (Relative to Trigger)	0.106 sec	9.063 sec	9.099 sec
Peak Acceleration	0.053 g	0.140 g	0.056 g
Peak Displacement	0.004 mm	0.003 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.5
Peak Vector Sum	1.848 mm/s at 9.063 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 11:57:30
Geo 1.000 mm/s
0.25 sec/16.9 sec (Auto)
2048 sps
factory.mmb
Operator

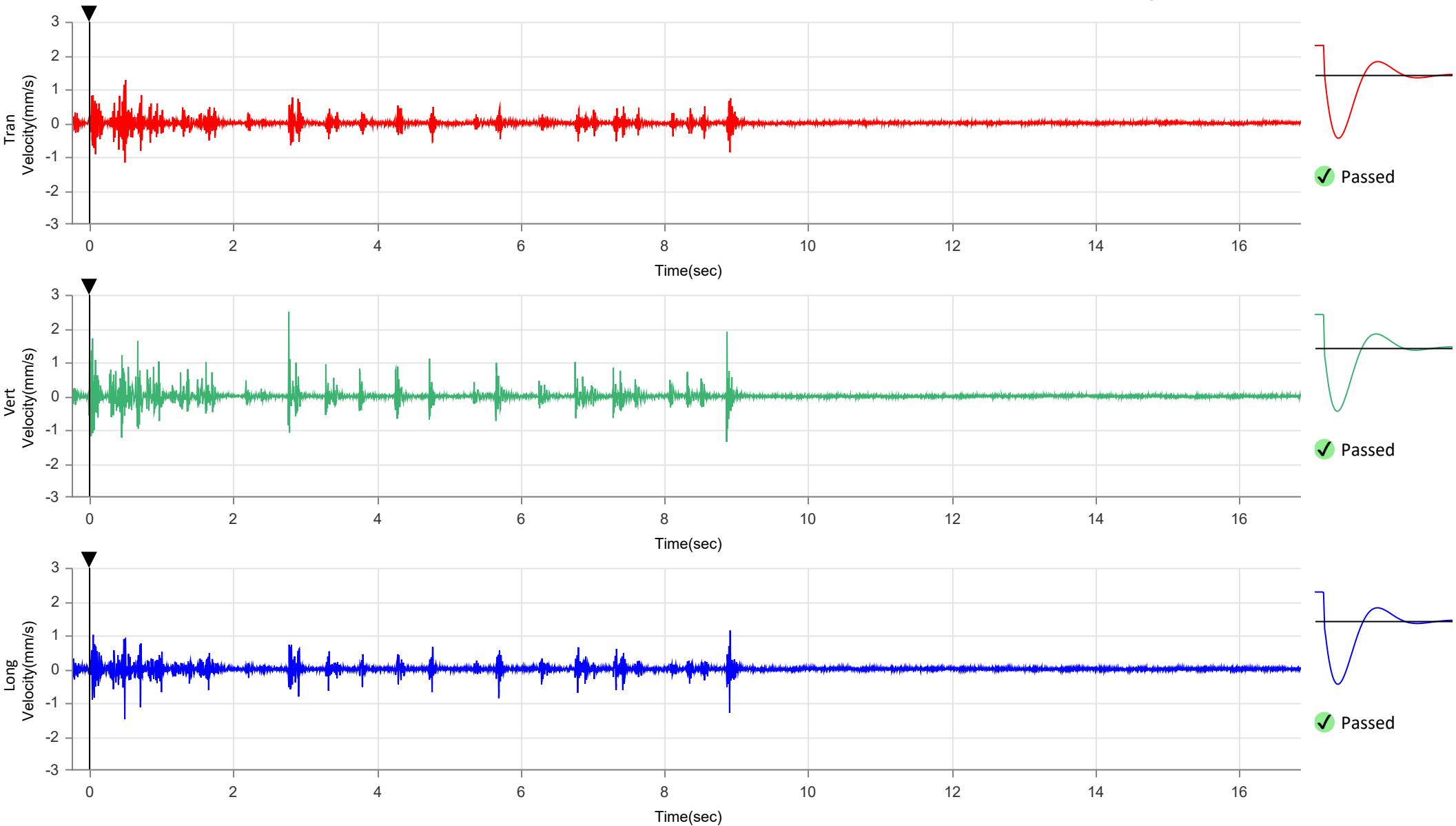
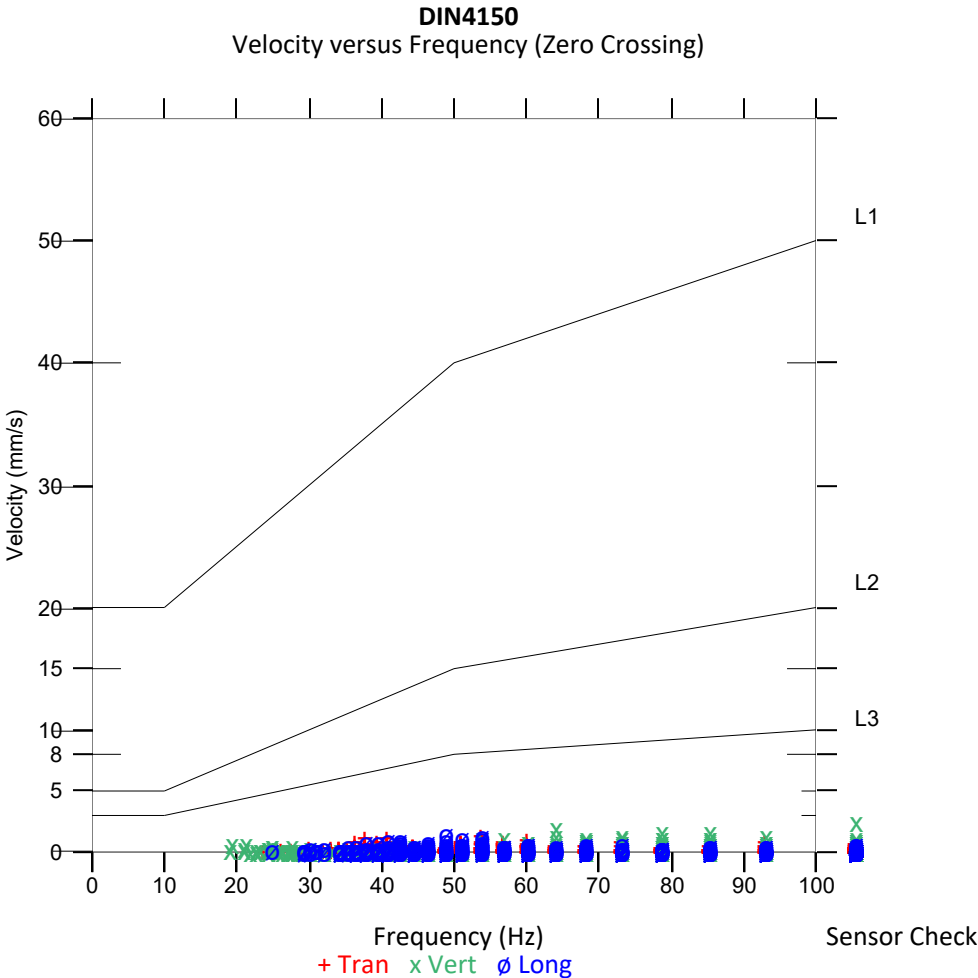
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221027115730.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.277 mm/s	2.499 mm/s	1.482 mm/s
Zero Crossing Frequency	53.9 Hz	>100 Hz	48.8 Hz
Time (Relative to Trigger)	0.503 sec	2.774 sec	0.490 sec
Peak Acceleration	0.049 g	0.148 g	0.063 g
Peak Displacement	0.005 mm	0.004 mm	0.005 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.5
Peak Vector Sum	2.562 mm/s at 2.774 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 11:58:32
Geo 1.000 mm/s
0.25 sec/17.1 sec (Auto)
2048 sps
factory.mmb
Operator

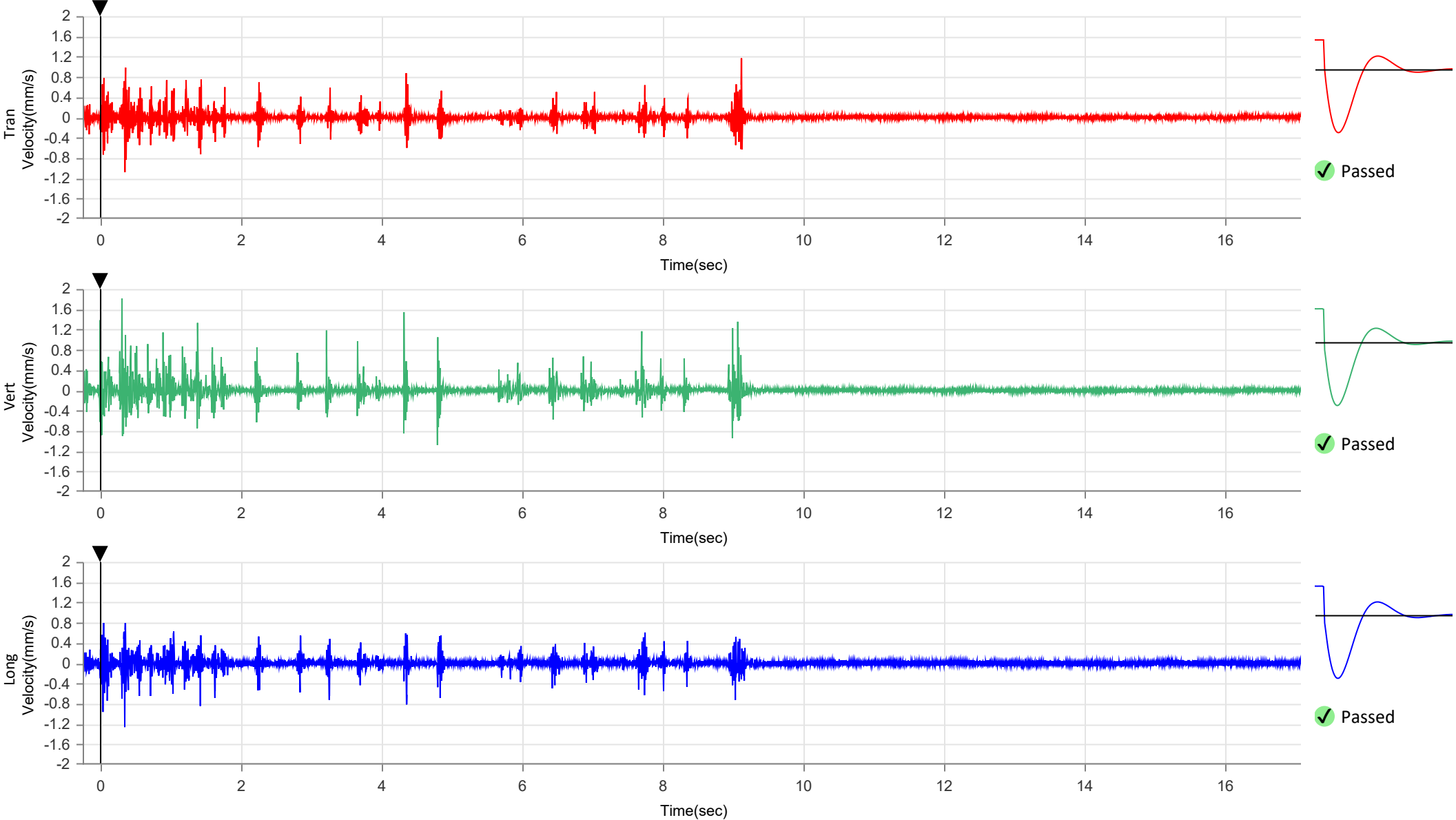
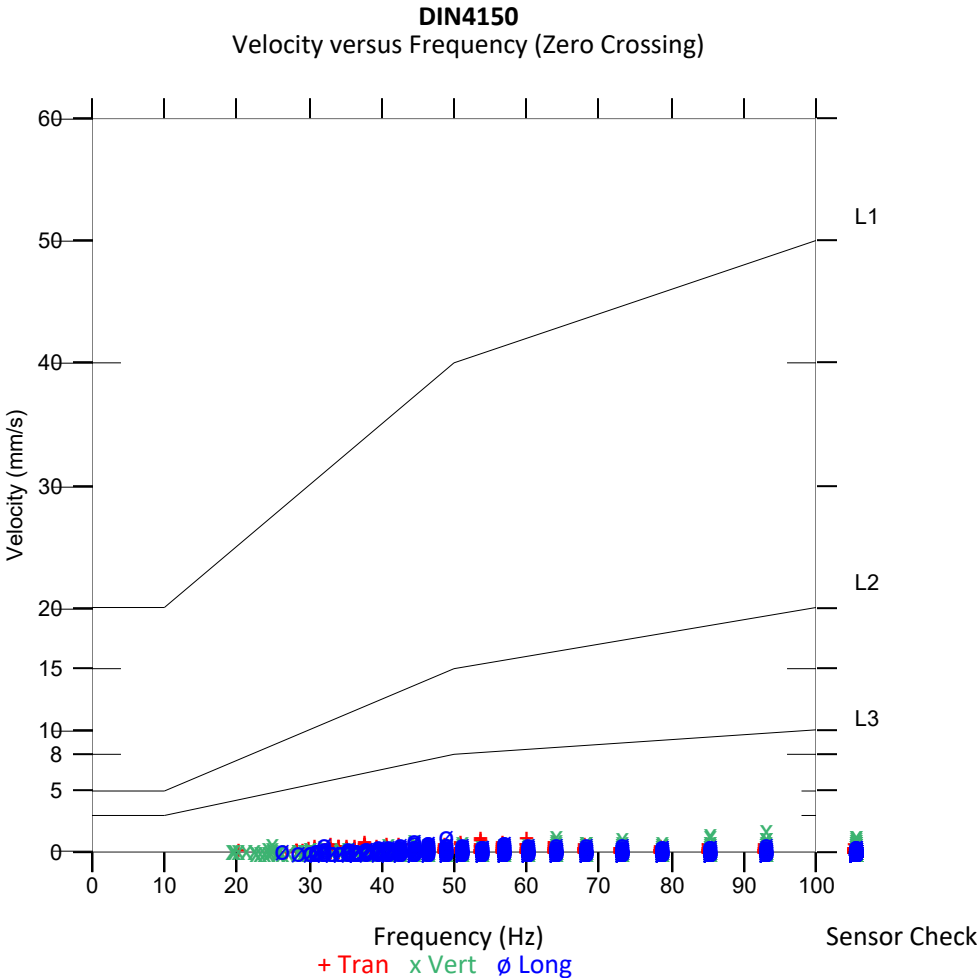
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221028115832.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.167 mm/s	1.813 mm/s	1.261 mm/s
Zero Crossing Frequency	60.2 Hz	>100 Hz	48.8 Hz
Time (Relative to Trigger)	9.117 sec	0.310 sec	0.348 sec
Peak Acceleration	0.051 g	0.117 g	0.046 g
Peak Displacement	0.003 mm	0.003 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.5
Peak Vector Sum	1.933 mm/s at 0.310 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 09:43:42
Geo 1.000 mm/s
0.25 sec/15.8 sec (Auto)
2048 sps
factory.mmb
Operator

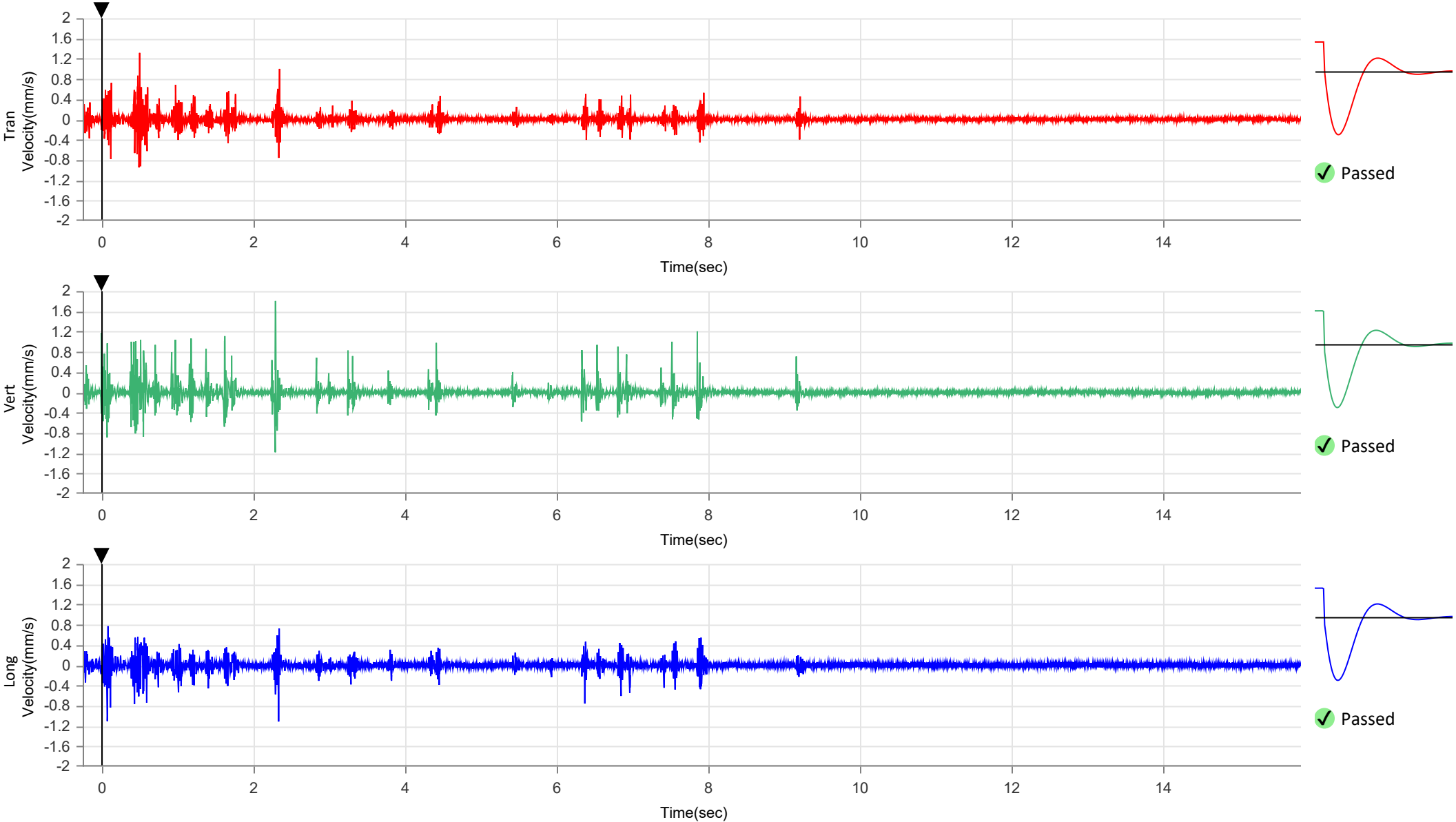
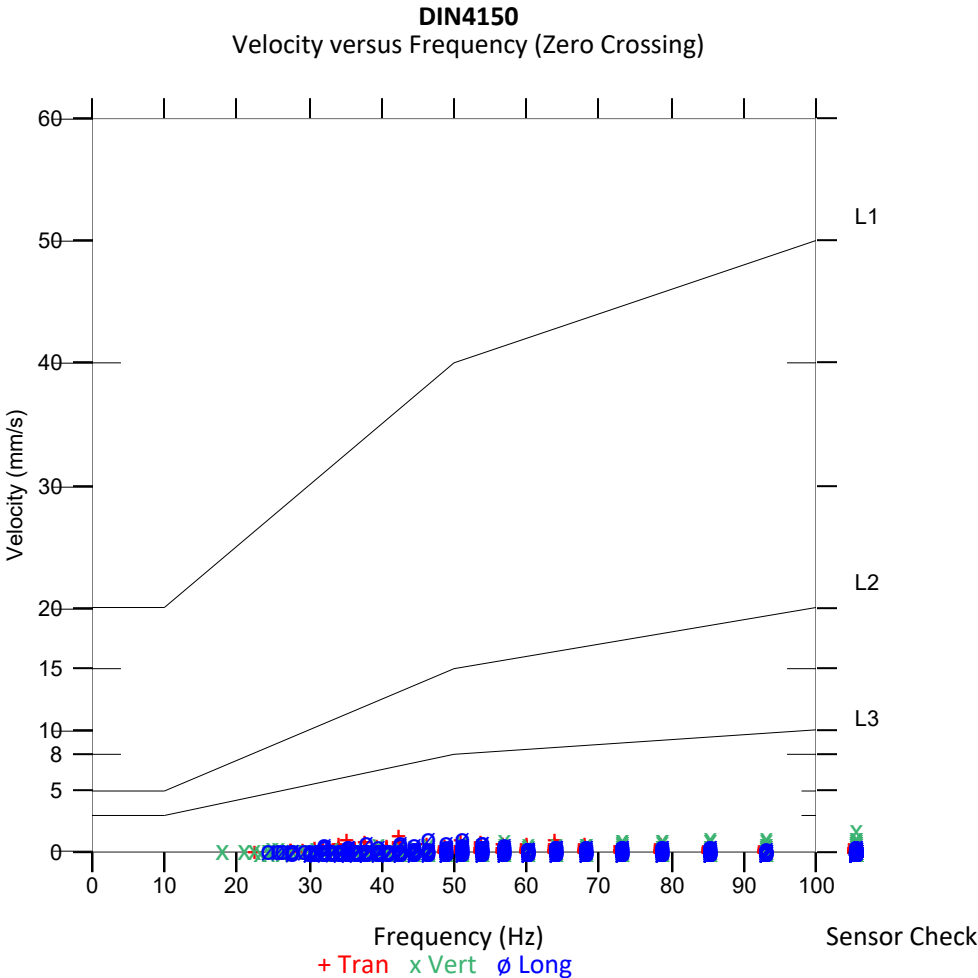
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221029094342.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.316 mm/s	1.805 mm/s	1.111 mm/s
Zero Crossing Frequency	42.7 Hz	>100 Hz	51.2 Hz
Time (Relative to Trigger)	0.502 sec	2.296 sec	2.335 sec
Peak Acceleration	0.053 g	0.140 g	0.043 g
Peak Displacement	0.004 mm	0.003 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.5
Peak Vector Sum	1.925 mm/s at 2.296 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 09:54:35
Geo 1.000 mm/s
0.25 sec/16.8 sec (Auto)
2048 sps
factory.mmb
Operator

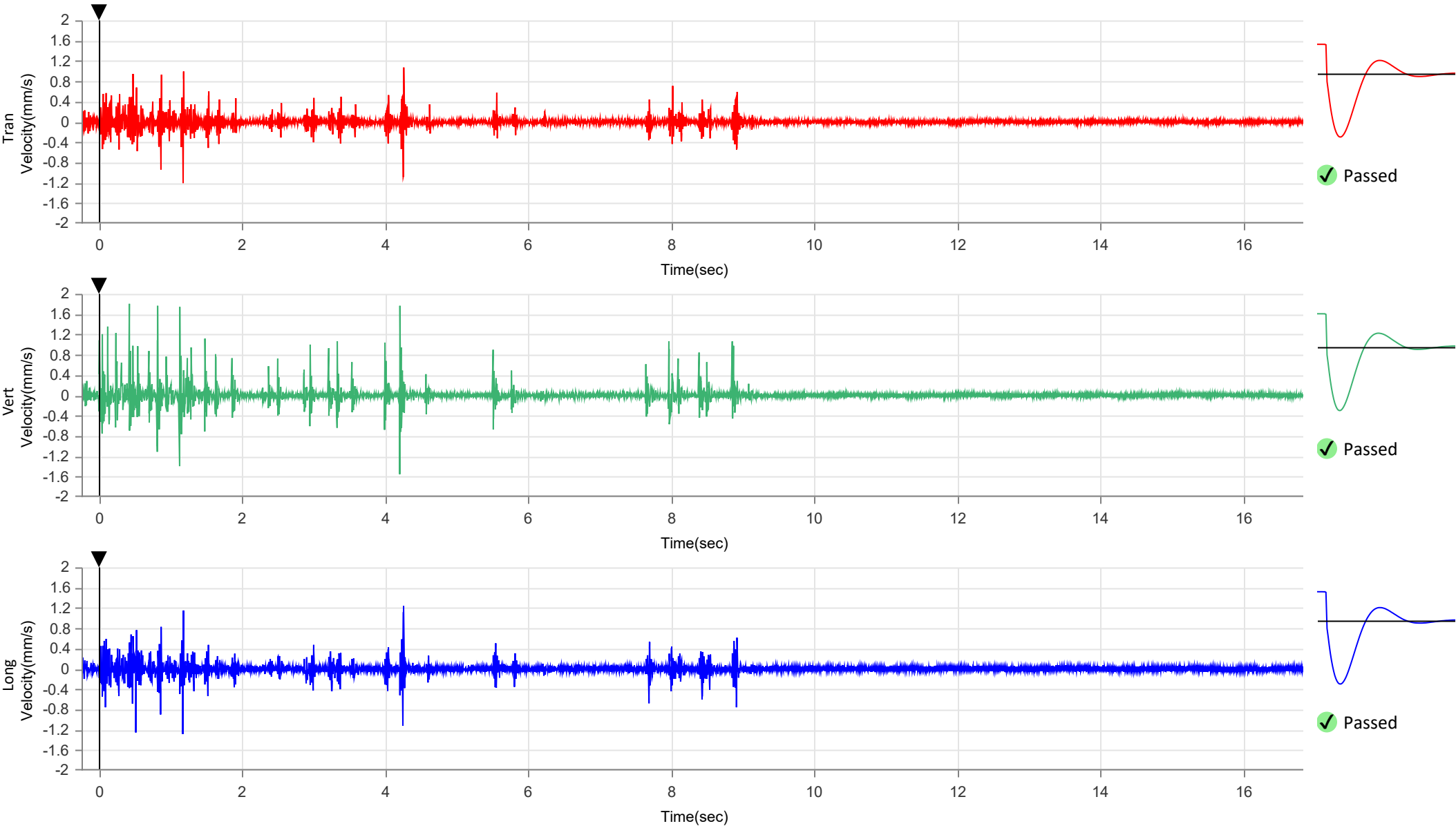
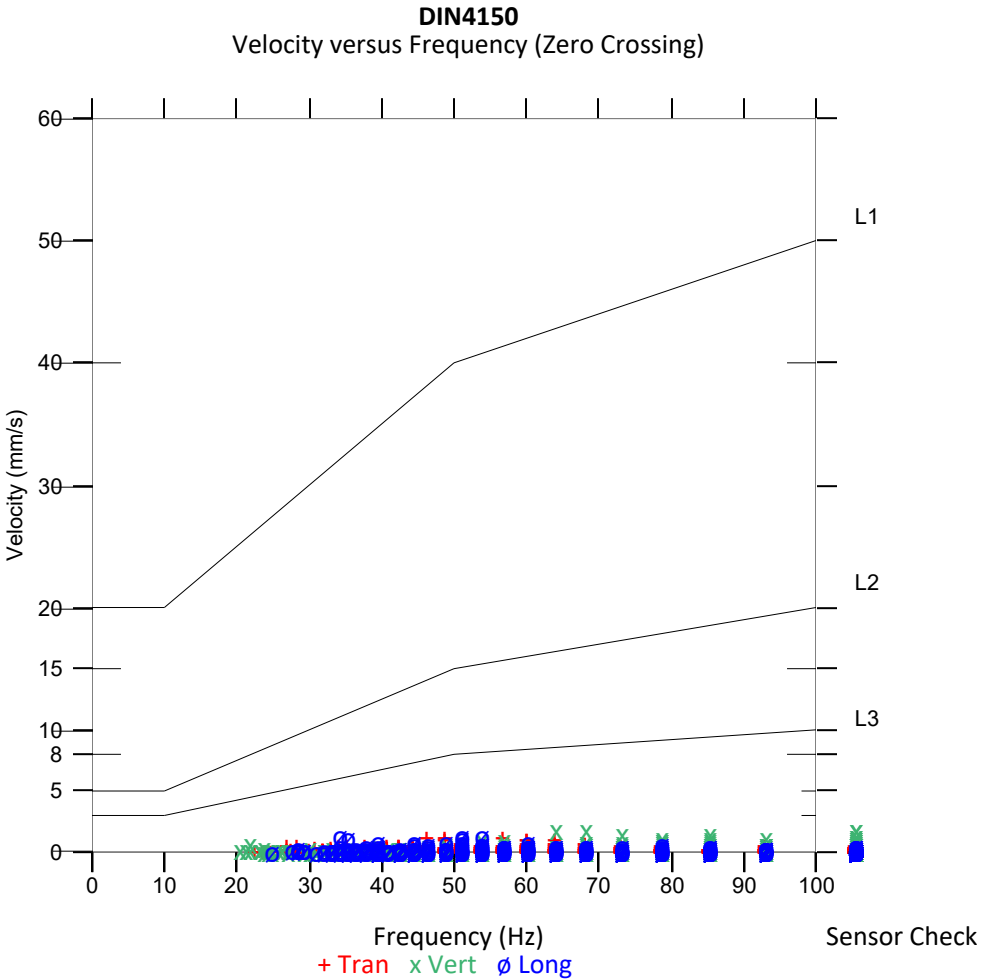
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221030095435.IDFW
Disabled

Notes
Location MM-25, Plavje 44
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.206 mm/s	1.805 mm/s	1.285 mm/s
Zero Crossing Frequency	48.8 Hz	>100 Hz	34.1 Hz
Time (Relative to Trigger)	1.172 sec	0.419 sec	1.167 sec
Peak Acceleration	0.056 g	0.150 g	0.046 g
Peak Displacement	0.003 mm	0.003 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.3	4.6
Peak Vector Sum	1.870 mm/s at 0.419 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:45
Geo 1.000 mm/s
0.25 sec/8.0 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19275
Micromate DIN 10.90FB
3.8 volts
December 1, 2021 by Instantel
UM19275_20221031130445.IDFW
Disabled

Notes
Location
Client
Company
General Notes

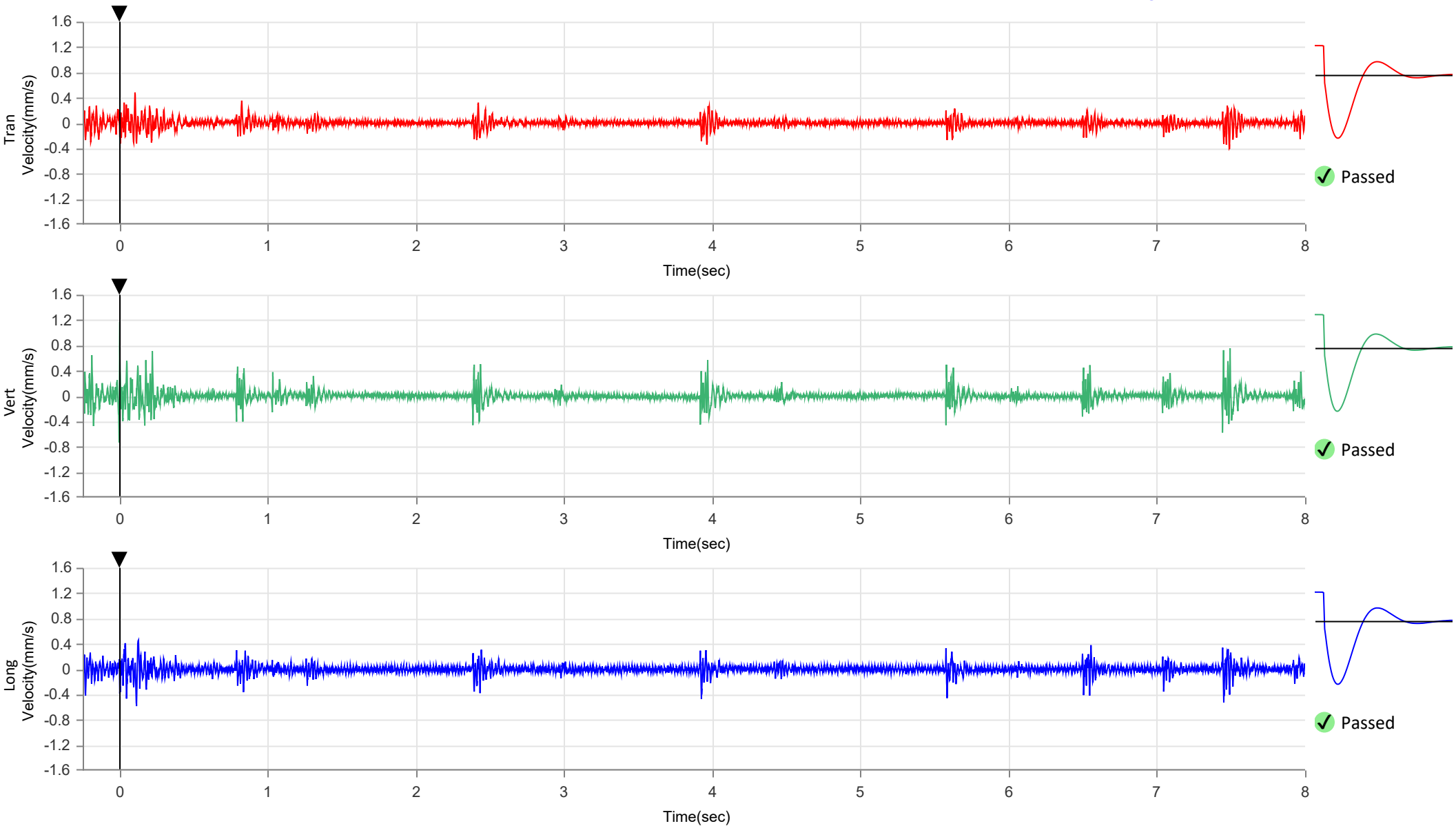
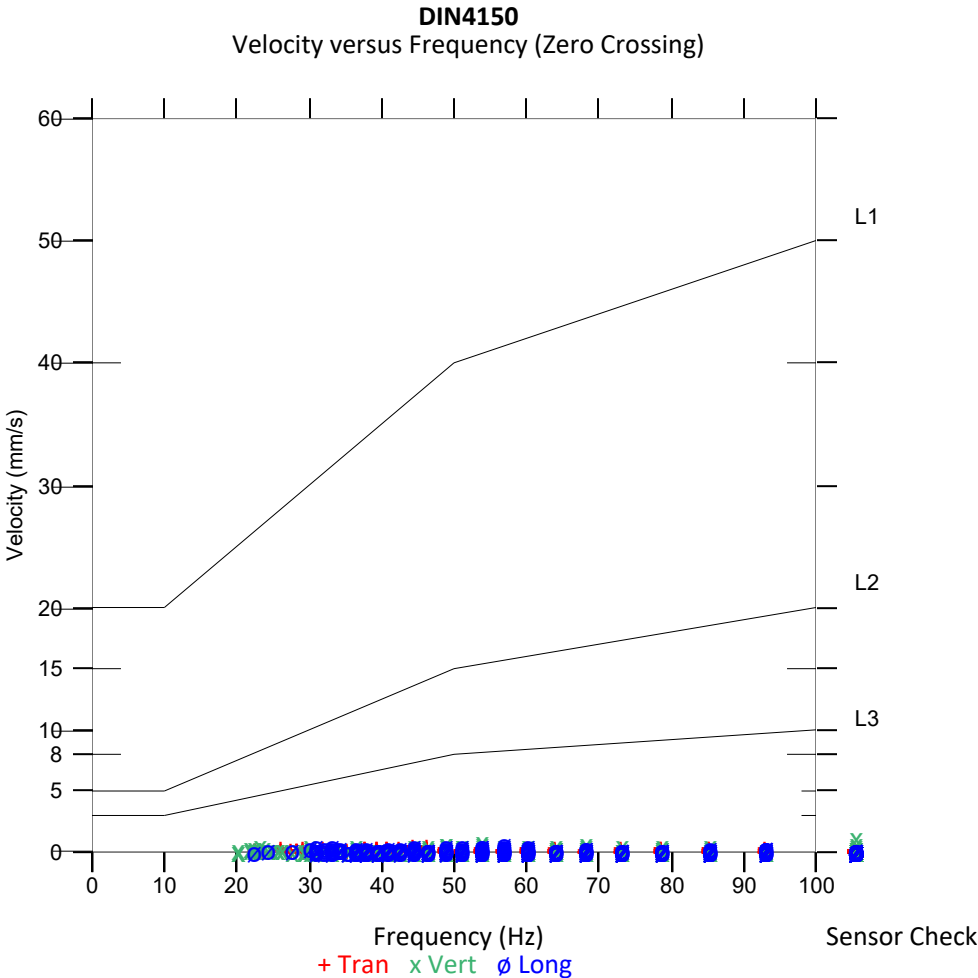
MM-25, Plavje 44

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.481 mm/s	1.174 mm/s	0.583 mm/s
44.5 Hz	>100 Hz	56.9 Hz
0.103 sec	0.000 sec	0.113 sec
0.026 g	0.092 g	0.031 g
0.002 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.3 Hz
4.5	4.3	4.6

Peak Vector Sum 1.245 mm/s at 0.000 sec



PRILOGA 1.13:
Rezultati meritev
- MM-27 (Plavje 56) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 08:51:22
Geo 0.500 mm/s
0.25 sec/15.8 sec (Auto)
2048 sps
factory.mmb
Operator

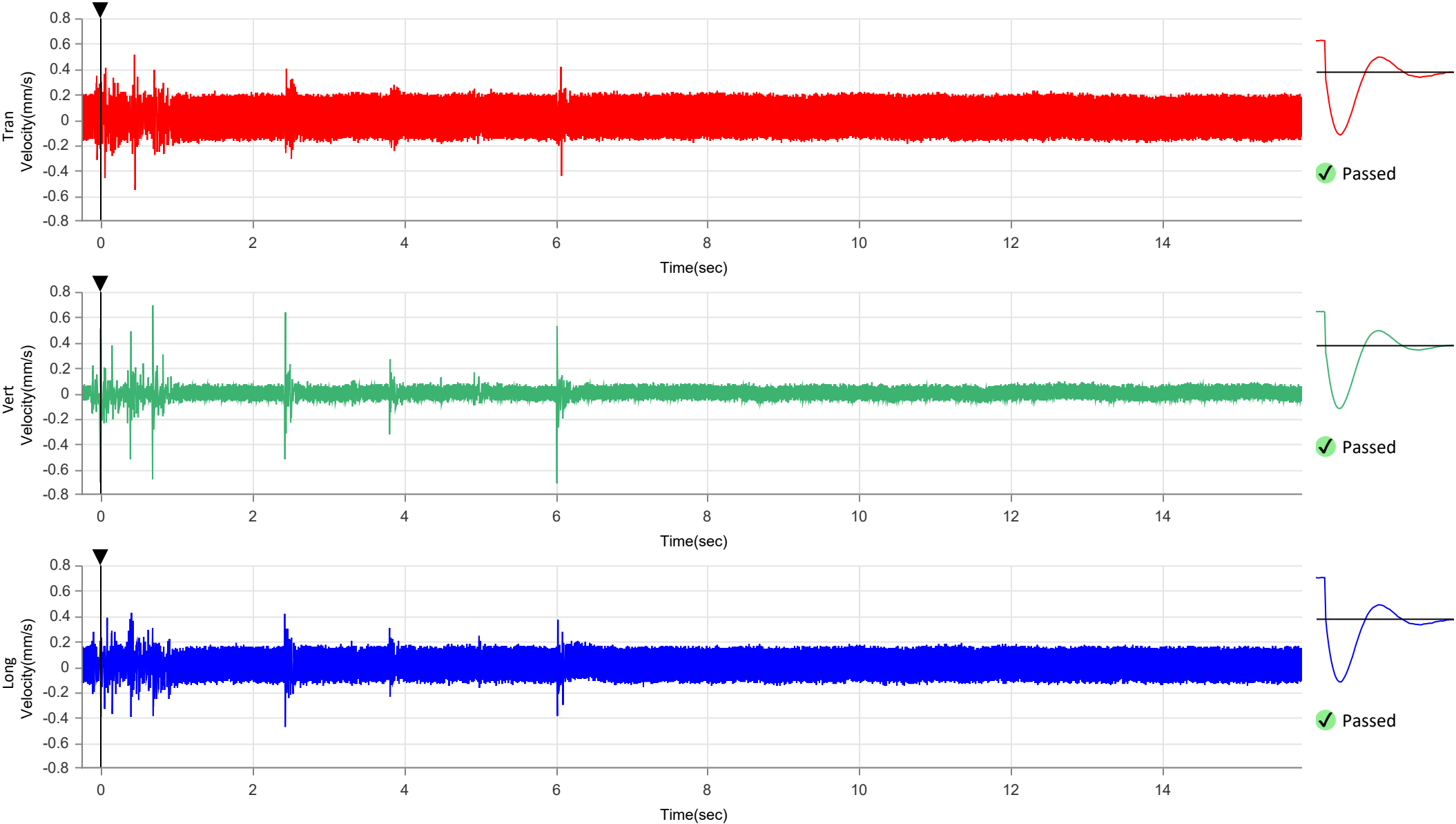
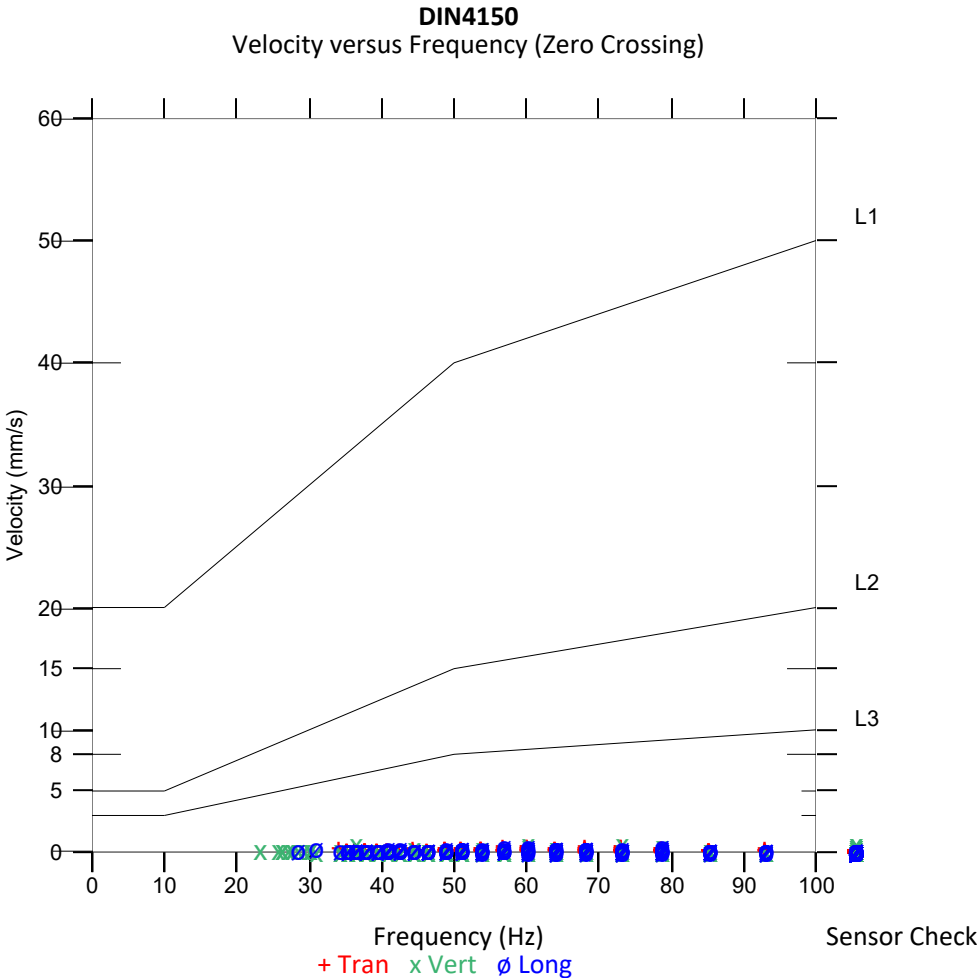
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8153
Micromate DIN 10.90FB
3.8 volts
January 18, 2022 by RGN Zagreb
UM8153_20221027085122.IDFW
Disabled

Notes
Location MM-27, Plavje 56
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.552 mm/s	0.709 mm/s	0.473 mm/s
Zero Crossing Frequency	68.3 Hz	>100 Hz	56.9 Hz
Time (Relative to Trigger)	0.458 sec	6.016 sec	2.438 sec
Peak Acceleration	0.033 g	0.087 g	0.033 g
Peak Displacement	0.001 mm	0.001 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.1	4.1	4.3
Peak Vector Sum	0.782 mm/s at 2.438 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 13:04:38
Geo 0.500 mm/s
0.25 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8153
Micromate DIN 10.90FB
3.8 volts
January 18, 2022 by RGN Zagreb
UM8153_20221027130438.IDFW
Disabled

Notes
Location
Client
Company
General Notes

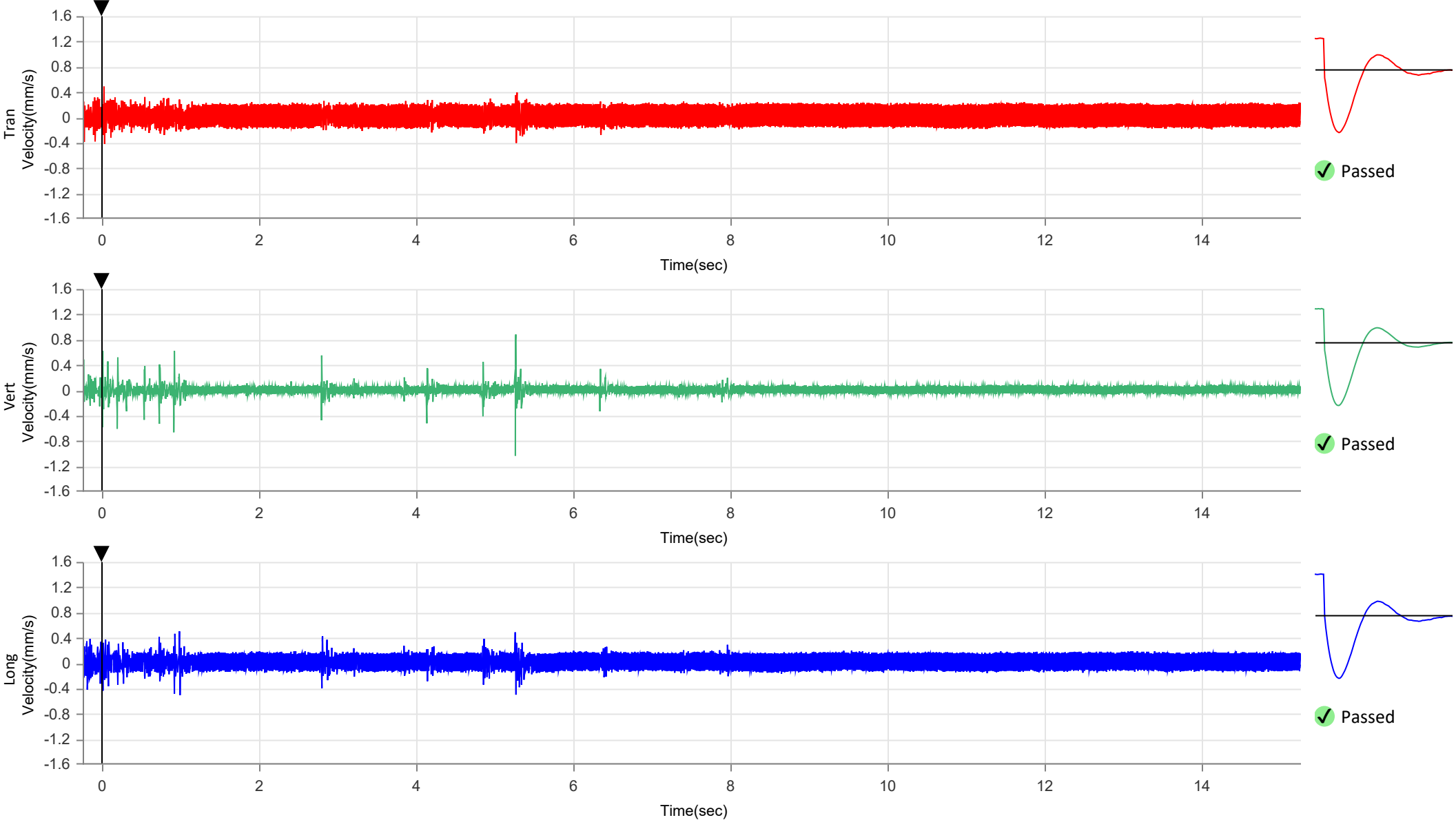
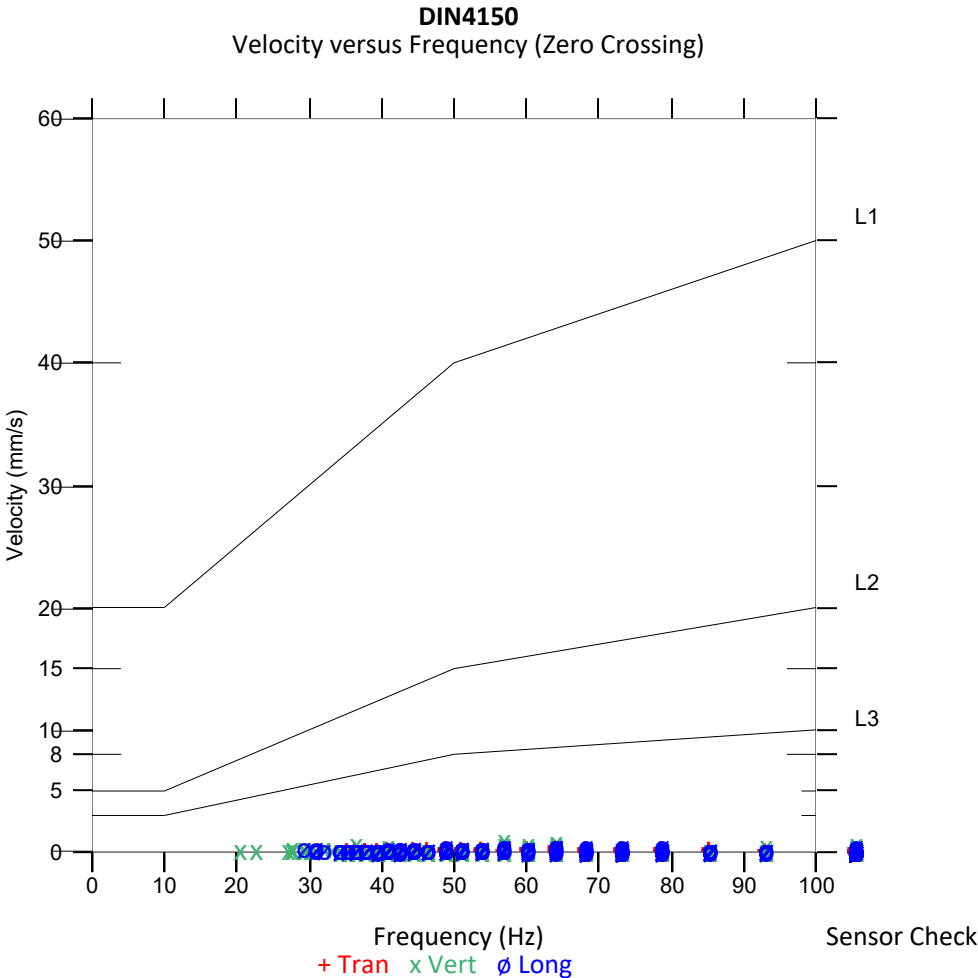
MM-27, Plavje 56

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.489 mm/s	1.033 mm/s	0.504 mm/s
60.2 Hz	73.1 Hz	46.5 Hz
0.022 sec	5.260 sec	0.982 sec
0.031 g	0.112 g	0.048 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.1 Hz	7.3 Hz	7.1 Hz
4.1	4.1	4.3

Peak Vector Sum 1.130 mm/s at 5.259 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 16:31:04
Geo 0.500 mm/s
0.25 sec/16.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8153
Micromate DIN 10.90FB
3.8 volts
January 18, 2022 by RGN Zagreb
UM8153_20221028163104.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-27, Plavje 56

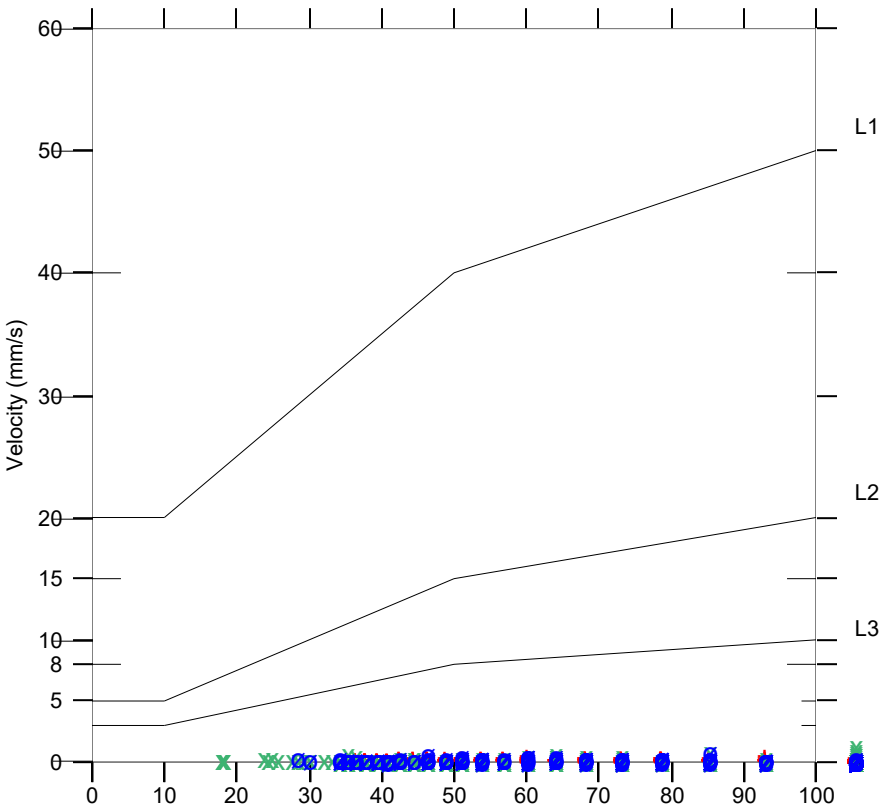
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.489 mm/s	1.237 mm/s	0.749 mm/s
64.0 Hz	>100 Hz	85.3 Hz
6.375 sec	6.354 sec	6.354 sec
0.038 g	0.135 g	0.056 g
0.001 mm	0.002 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.1 Hz	7.3 Hz	7.1 Hz
4.1	4.1	4.3

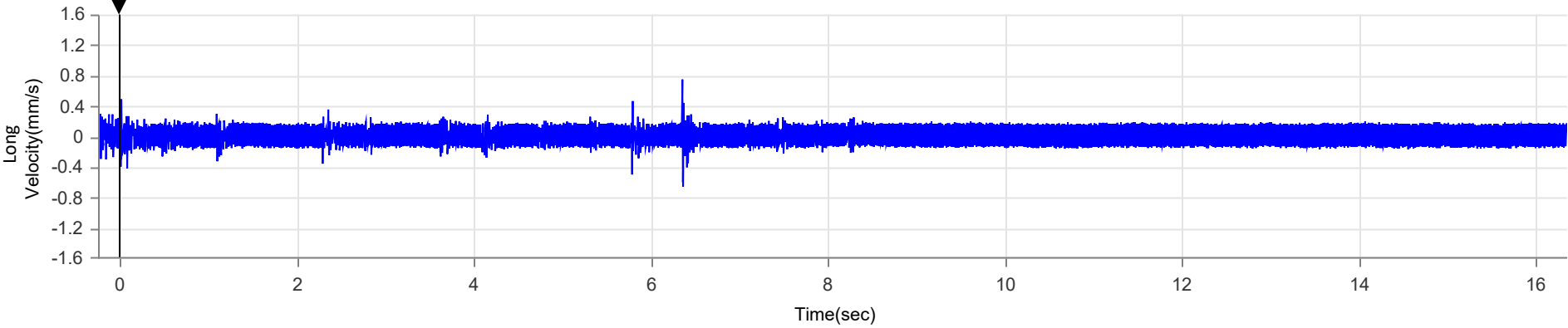
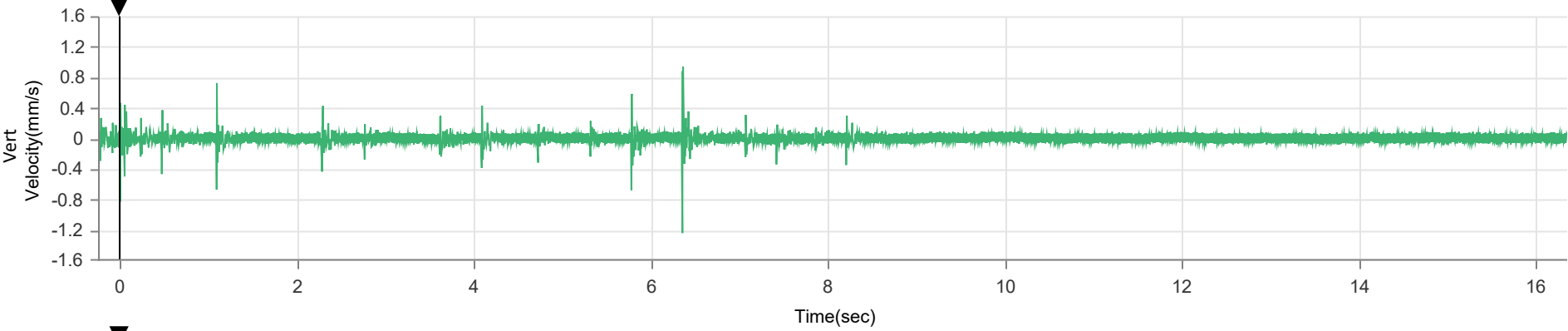
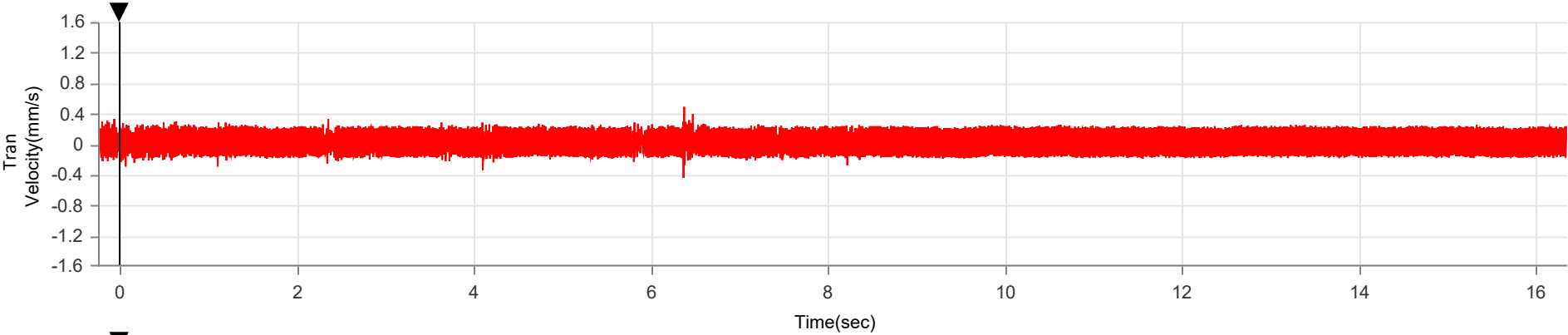
Peak Vector Sum 1.401 mm/s at 6.354 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long

Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 12:17:01
Geo 0.500 mm/s
0.25 sec/15.6 sec (Auto)
2048 sps
factory.mmb
Operator

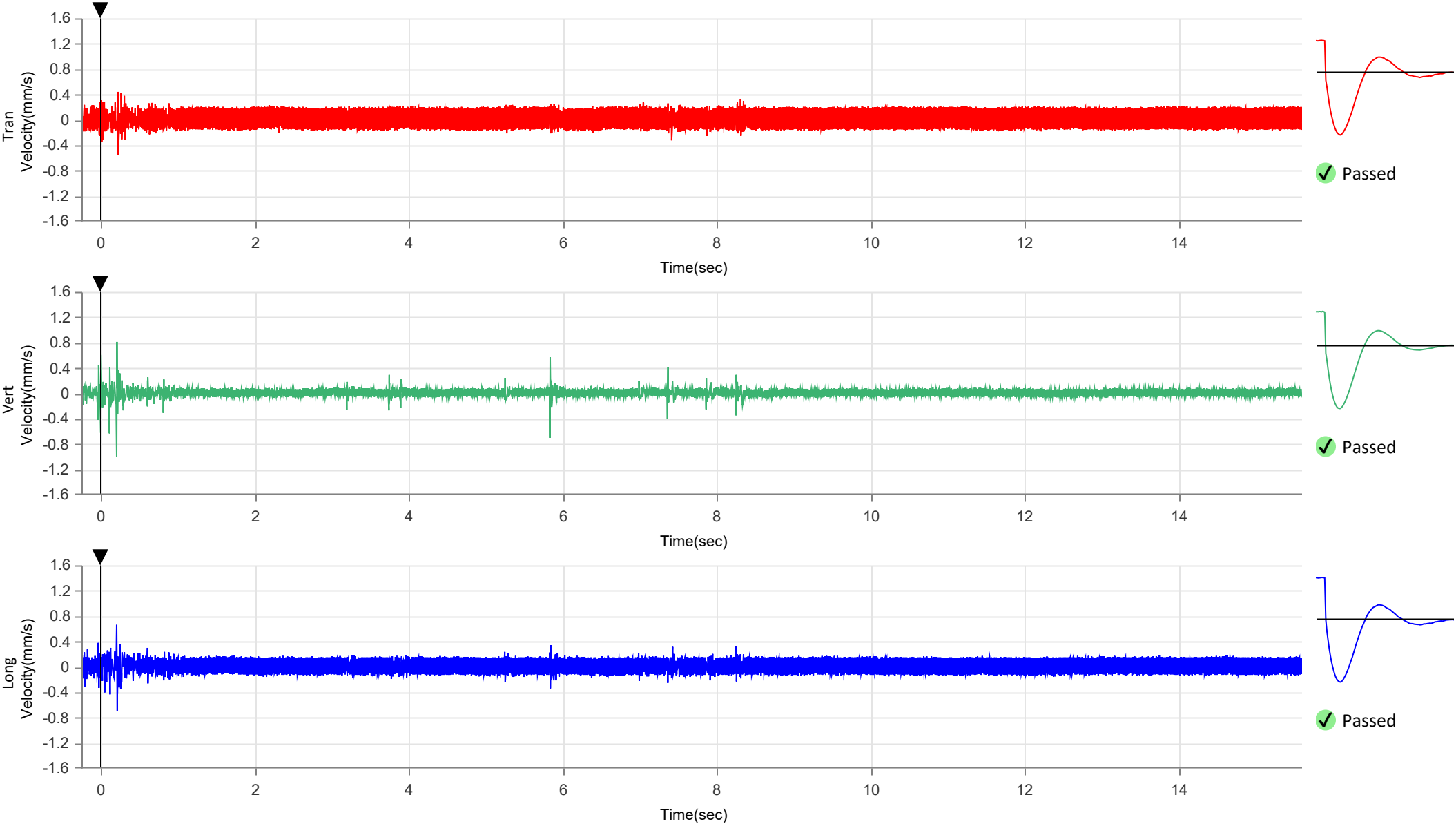
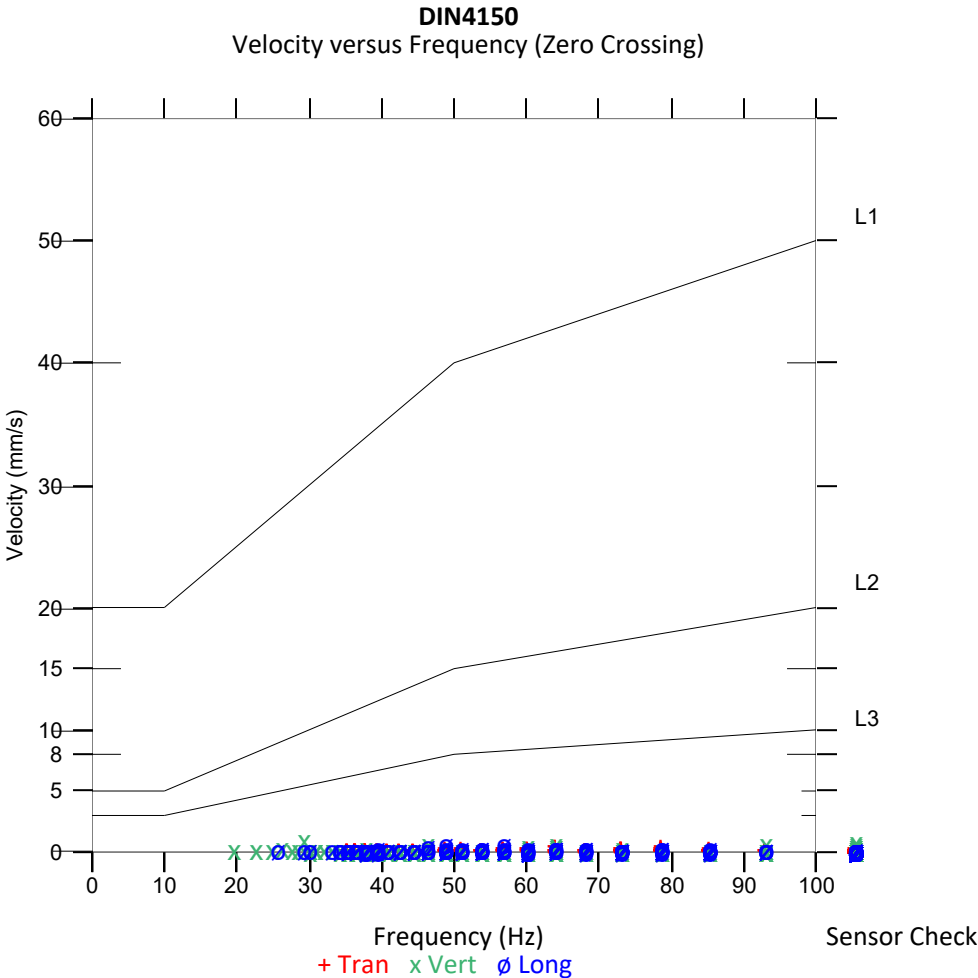
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8153
Micromate DIN 10.90FB
3.8 volts
January 18, 2022 by RGN Zagreb
UM8153_20221029121701.IDFW
Disabled

Notes
Location MM-27, Plavje 56
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.560 mm/s	0.993 mm/s	0.701 mm/s
Zero Crossing Frequency	78.8 Hz	29.3 Hz	51.2 Hz
Time (Relative to Trigger)	0.221 sec	0.208 sec	0.215 sec
Peak Acceleration	0.033 g	0.100 g	0.044 g
Peak Displacement	0.001 mm	0.002 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.1	4.1	4.3
Peak Vector Sum	1.166 mm/s at 0.208 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 14:19:08
Geo 0.500 mm/s
0.25 sec/17.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8153
Micromate DIN 10.90FB
3.8 volts
January 18, 2022 by RGN Zagreb
UM8153_20221030141908.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-27, Plavje 56

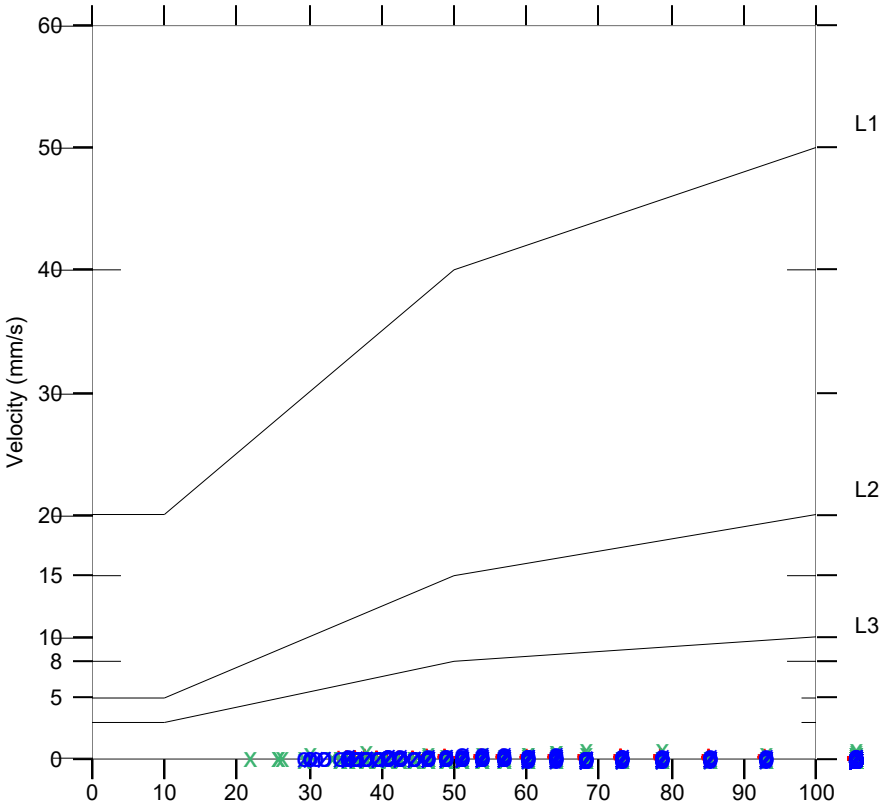
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.394 mm/s	0.867 mm/s	0.465 mm/s
78.8 Hz	>100 Hz	51.2 Hz
1.485 sec	7.205 sec	0.556 sec
0.033 g	0.100 g	0.035 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.1 Hz	7.3 Hz	7.1 Hz
4.1	4.1	4.3

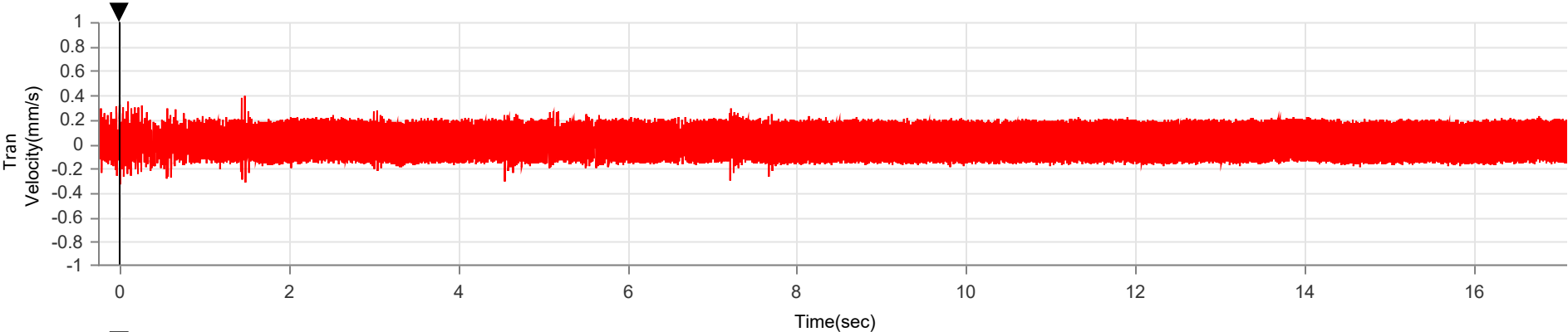
Peak Vector Sum 0.881 mm/s at 7.205 sec

DIN4150
Velocity versus Frequency (Zero Crossing)

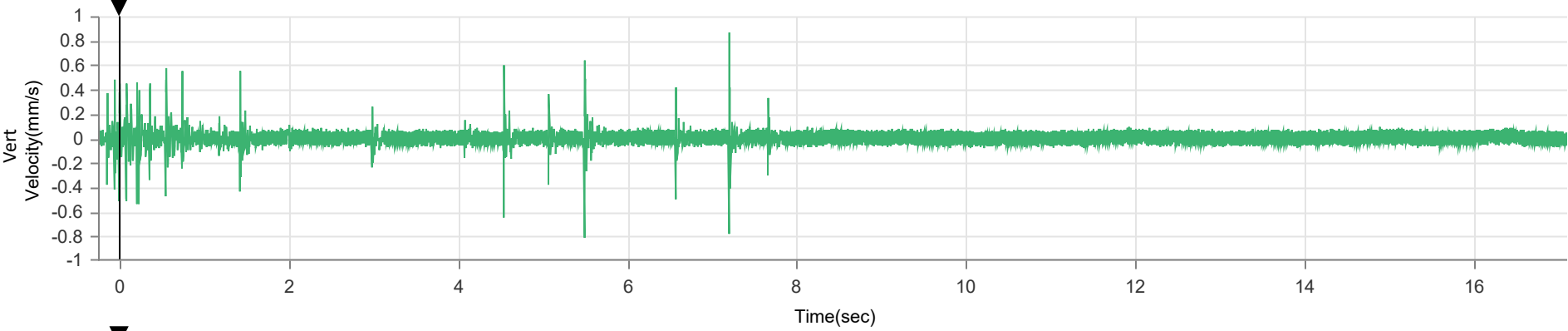


Frequency (Hz)
+ Tran x Vert ø Long

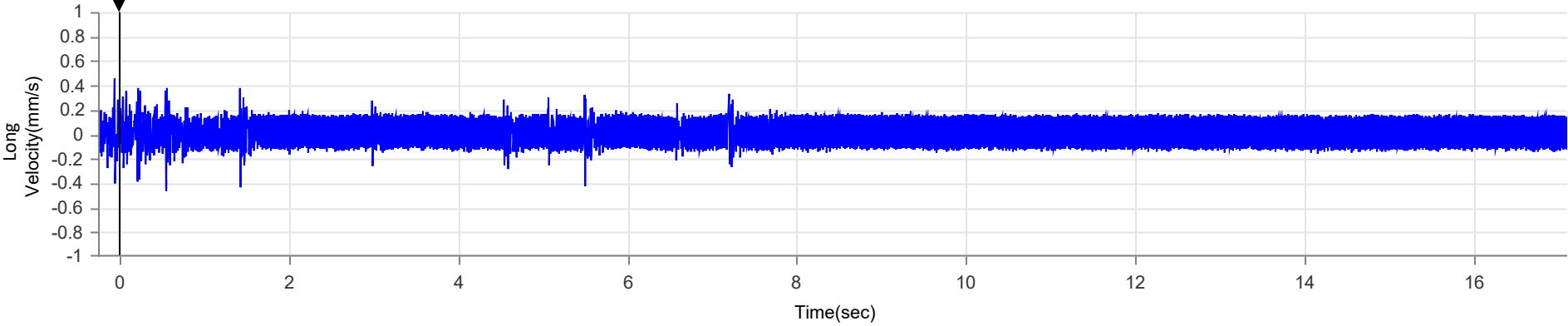
Sensor Check



✓ Passed



✓ Passed



✓ Passed



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 13:04:45
Geo 0.500 mm/s
0.25 sec/17.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8153
Micromate DIN 10.90FB
3.8 volts
January 18, 2022 by RGN Zagreb
UM8153_20221031130445.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-27, Plavje 56

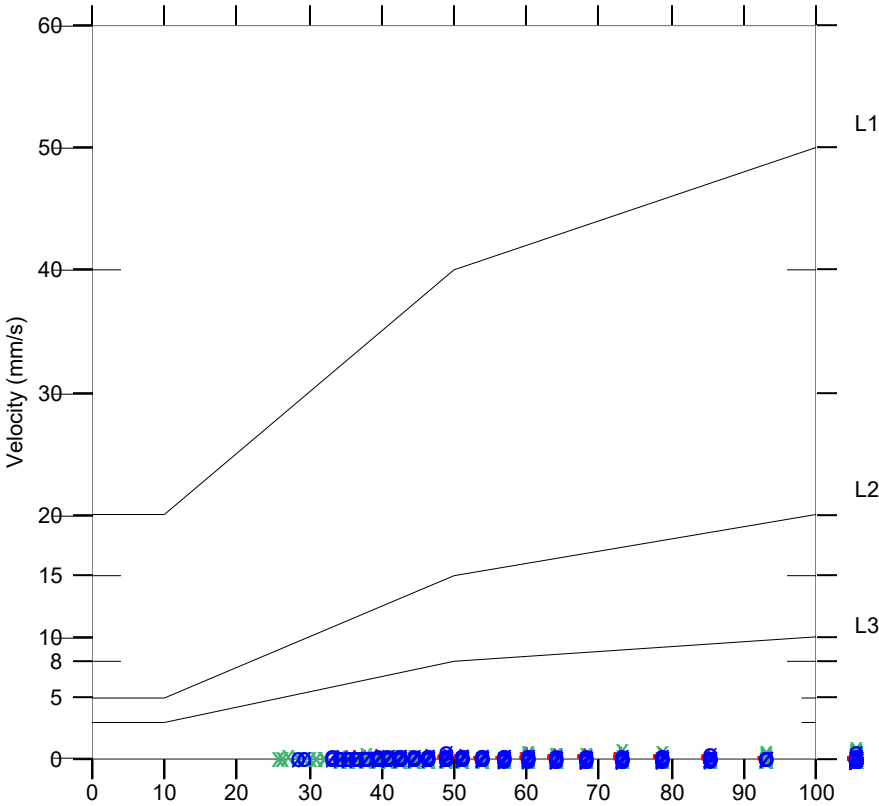
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

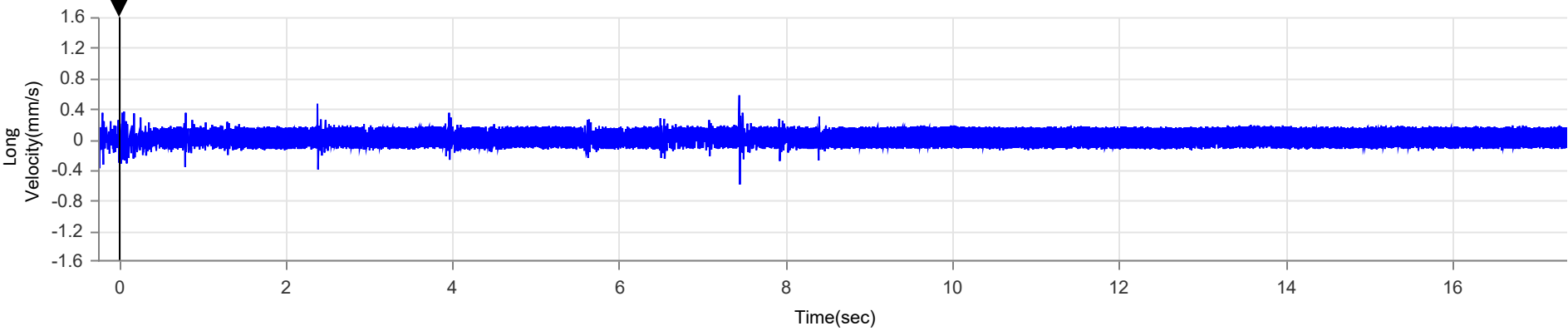
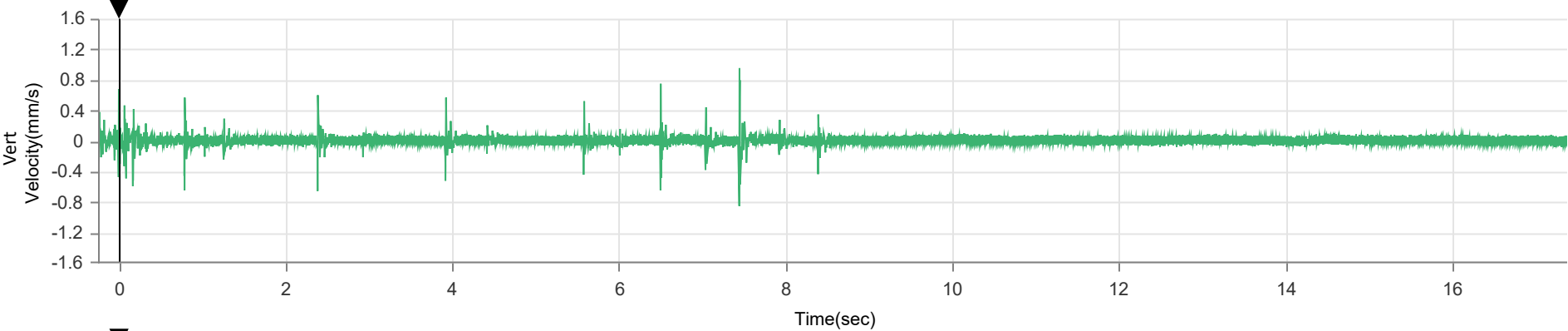
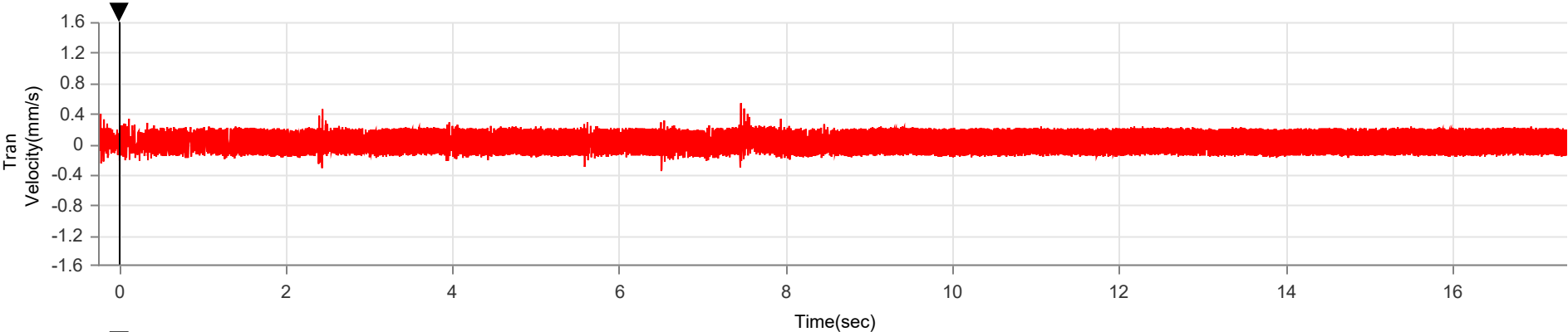
Tran	Vert	Long
0.536 mm/s	0.954 mm/s	0.591 mm/s
60.2 Hz	>100 Hz	48.8 Hz
7.464 sec	7.447 sec	7.450 sec
0.033 g	0.090 g	0.041 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.1 Hz	7.3 Hz	7.1 Hz
4.1	4.1	4.3

Peak Vector Sum 0.991 mm/s at 7.444 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Sensor Check



PRILOGA 2.1:

Zapisniki in analize meritev

- Poročilo meritev vibracij od dne 24.10.2022 do 31.10.2022
predor T8 (Koper)

Tedensko poročilo meritev vibracij na predoru T-8 od dne 24.10.2022 do 31.10.2022

Lokacija meritve: **predor T8, Koper**

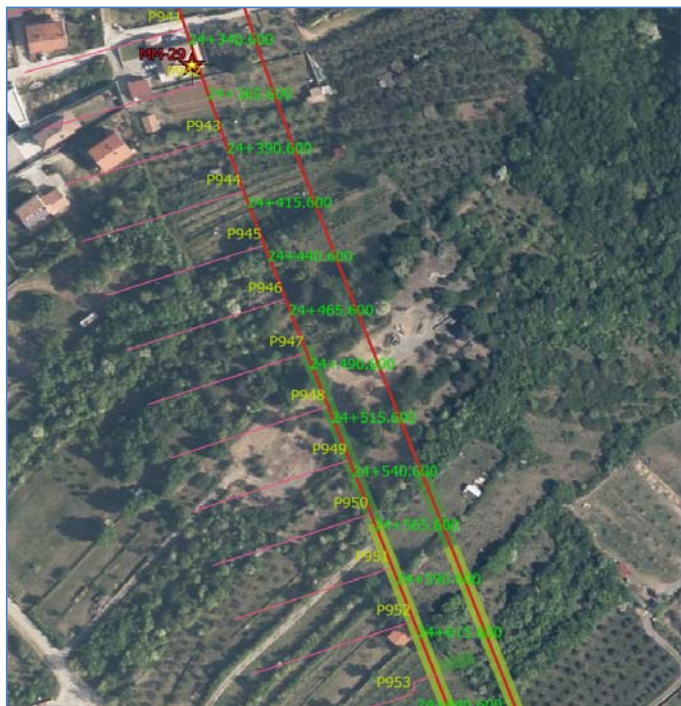
mersko mesto	naslov	nomenklatura	tip objekta	serijska številka geofona	x	y	z	trig.level [mm/s]	vir vibracij	opomba
MM - 29	Zg. Škofije 128e	TG8_MP-3-1_24350_01	L2	UM20419	406 974	47 303	158	0,50	miniranje predor T8	

mersko mesto	serijska številka geofona	nomenklatura	datum	čas	izmerjena vrednost vibracij [V _R = mm/s]	minimalna frekvenca [f _{min} = Hz]	komp f _{min}	predorska cev	lokacija	stacionaža (m)	najkrajša razdalja R (m)	komentar
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REZULTATI MERITEV VIBRACIJ

MM - 29	UM20419	TG8_MP-3-1_24350_01	24.10.2022	17:29:51	1,77	60	L	glavna cev	kalota	24482 G	171	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	25.10.2022	6:03:46	1,54	34	V	glavna cev	kalota	24477 G	168	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	25.10.2022	9:24:24	0,73	39	T	servisna cev	kalota	24574 S	235	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	25.10.2022	15:24:16	1,49	85	T	glavna cev	kalota	24474 G	165	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	26.10.2022	1:22:06	2,51	68	L	glavna cev	kalota	24470 G	162	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	26.10.2022	9:36:00	0,64	23	T	servisna cev	kalota	24566 S	228	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	26.10.2022	13:02:18	1,50	73	L	glavna cev	kalota	24466 G	159	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	26.10.2022	22:34:14	0,66	64	T	servisna cev	kalota	24562 S	225	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	26.10.2022	23:57:34	2,54	73	V	glavna cev	kalota	24463 G	157	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	27.10.2022	9:03:26	0,70	64	L	servisna cev	kalota	24558 S	221	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	27.10.2022	10:44:25	1,20	79	T	glavna cev	kalota	24459 G	154	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	27.10.2022	21:33:47	2,49	60	T	glavna cev	kalota	24457 G	153	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	27.10.2022	23:37:47	0,73	35	T	servisna cev	kalota	24555 S	219	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	28.10.2022	4:10:41	2,13	85	V	glavna cev	kalota	24453 G	150	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	28.10.2022	9:52:14	0,67	39	L	servisna cev	kalota	24552 S	216	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	28.10.2022	15:46:50	1,98	79	V	glavna cev	kalota	24450 G	148	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	29.10.2022	0:01:35	1,22	47	L	servisna cev	kalota	24547 S	212	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	29.10.2022	1:56:57	1,94	79	V	glavna cev	kalota	24447 G	146	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	29.10.2022	6:50:27	0,57	25	T	servisna cev	kalota	24545 S	210	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	29.10.2022	8:58:57	1,53	102	L	glavna cev	kalota	24444 G	144	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	29.10.2022	18:39:00	0,82	54	L	servisna cev	kalota	24542 S	208	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	29.10.2022	20:54:07	1,83	64	L	glavna cev	kalota	24441 G	142	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	30.10.2022	4:01:42	0,63	47	V	servisna cev	kalota	24539 S	205	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	30.10.2022	7:26:22	1,68	114	L	glavna cev	kalota	24436 G	139	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	30.10.2022	13:50:32	0,63	47	V	servisna cev	kalota	24535 S	202	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	30.10.2022	17:05:05	2,96	79	V	glavna cev	kalota	24432 G	137	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	31.10.2022	2:40:35	2,74	73	V	0	0	0	#N/A	< L2
MM - 29	UM20419	TG8_MP-3-1_24350_01	31.10.2022	5:17:02	0,66	60	L	0	0	0	#N/A	< L2

Situacija merskih mest



Mersko mesto 29



ANALIZA REZULTATOV in INTERPRETACIJA:

Na merskem mestu MM-29 smo izvajali meritve vibracij, s katerimi spremljamo vpliv izgradnje predora T-8 metoda izkopa z miniranjem. Rezultati meritev so prikazani v preglednici in diagramih meritev. Rezultati meritev za podano časovno obdobje ne presegajo mejnih vrednosti podanih s standardom DIN 4150-3.

MM - 29 Zg. Škofije 128e

Mersko mesto MM-29 je vzpostavljeno na stanovanjskem objektu Zgornje Škofije 128e. Rezultati posameznih meritev so podani v prilogah in zbrani v preglednici za mersko mesto oziroma odstrel. Izkop kalota glavne cevi je od merskega oddaljen **137 m**. Dne **30.10.2022** ob **17:40** uri je bila izmerjena najvišja vrednost hitrosti valovanja $V_{Rmax} = 2,96 \text{ mm/s}$ na oddaljenosti **137 m** pri miniranju v kaloti glavne cevi. Miniranja v stopnici glavne cevi **niso presegla** mejnih vrednosti za razred stanovanjskih objektov L_2 po standardu DIN 4150-3. Izkop kalote glavne in servisne cevi se merskemu mestu približuje.

OPOMBA:

Analiza oddaljenosti merskih mest od minskega polja je izvedena na osnovi prejetih podatkov o lokaciji miniranja in sicer od nivelete osi predora do merskega mesta. Rezultati in diagrami so prikazani v prilogah in zbrani v preglednici.

Meritve izvedel:

Matija Tori, mag.inž.geoteh.
Tomaž Hribar, mag.inž.geoteh.

Analiza meritev:

Matija Tori, mag.inž.geoteh.

PRILOGA 2.2:
Rezultati meritev

- MM-29 (Zg. Škofije 128e) -



Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 24, 2022 17:29:51
Geo 0.500 mm/s
0.25 sec/15.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221024172951.IDFW
Disabled

Notes
Location
Client
Company
General Notes

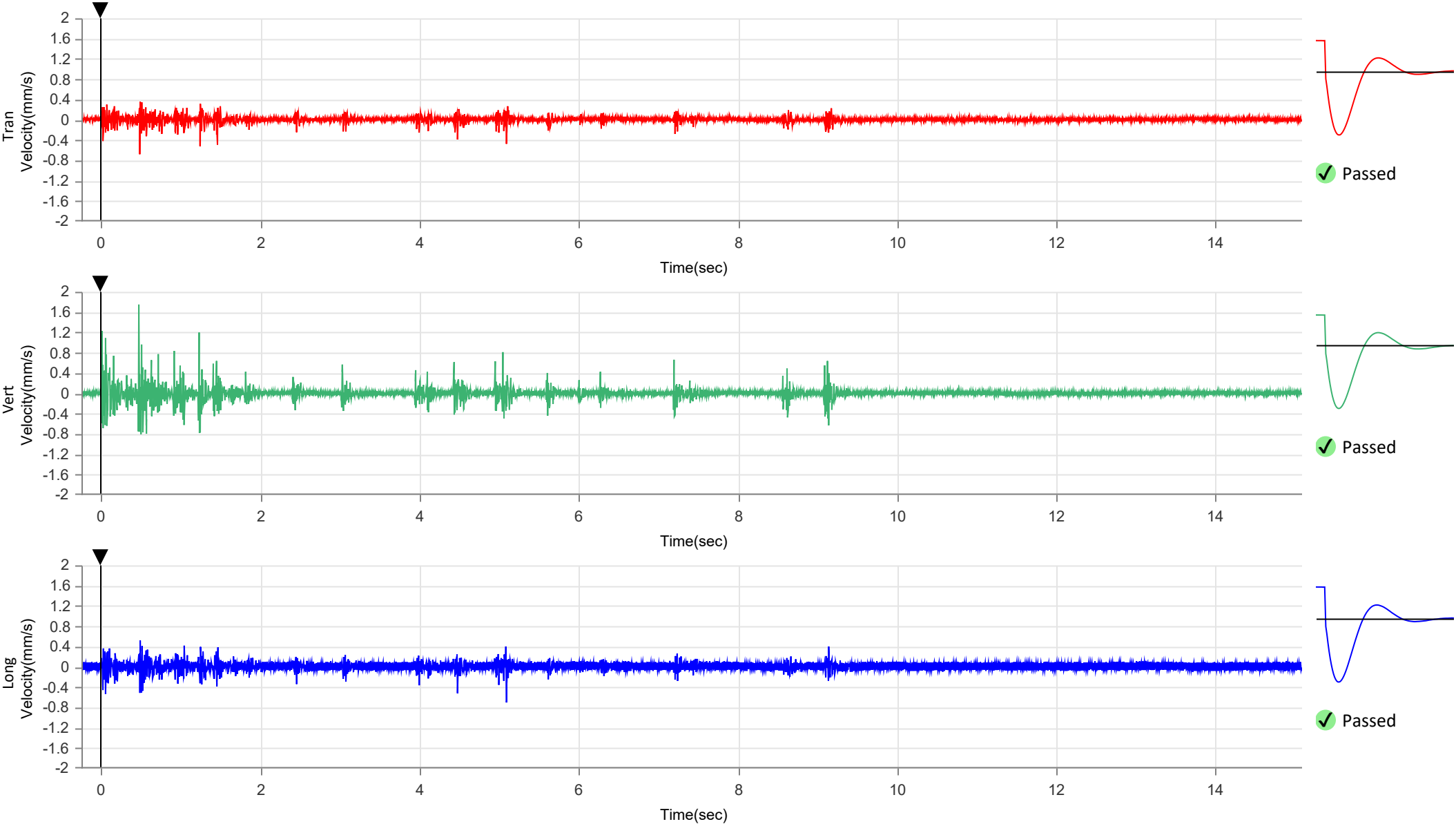
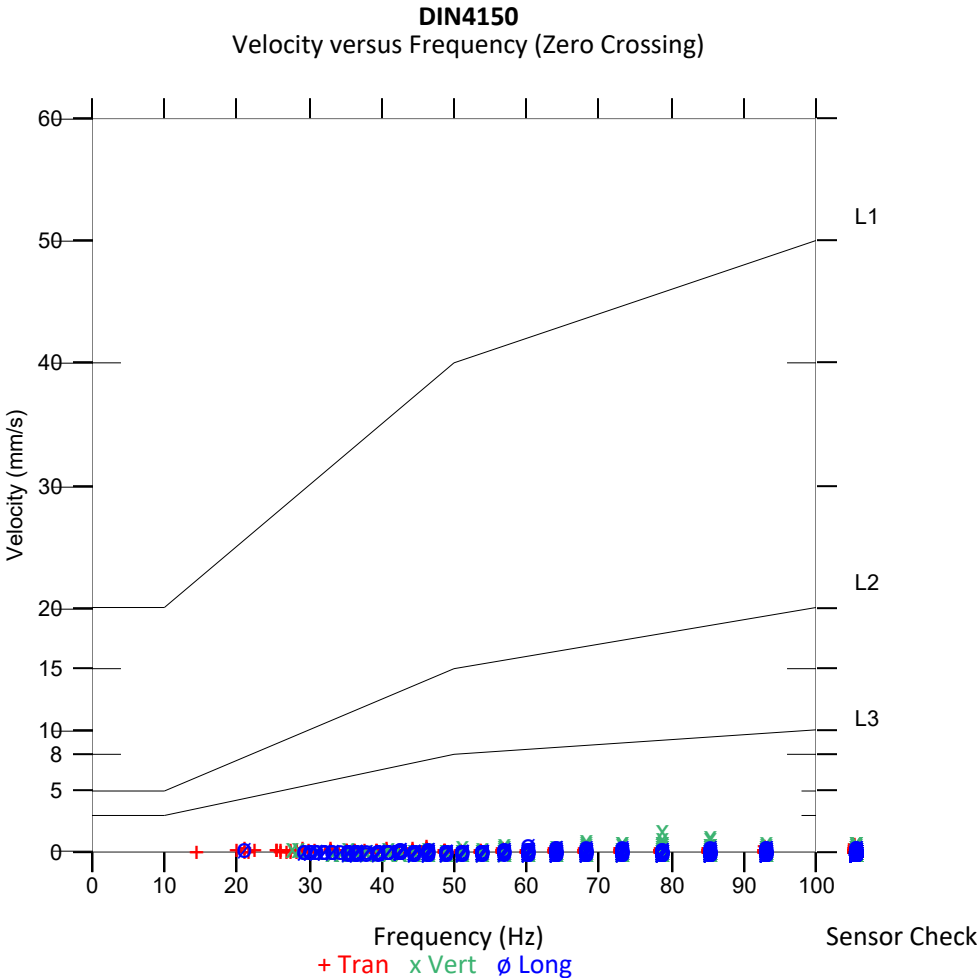
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.678 mm/s	1.750 mm/s	0.701 mm/s
>100 Hz	78.8 Hz	60.2 Hz
0.484 sec	0.472 sec	5.091 sec
0.043 g	0.092 g	0.035 g
0.002 mm	0.003 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.775 mm/s at 0.472 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 06:03:46
Geo 0.500 mm/s
0.25 sec/15.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221025060346.IDFW
Disabled

Notes
Location
Client
Company
General Notes

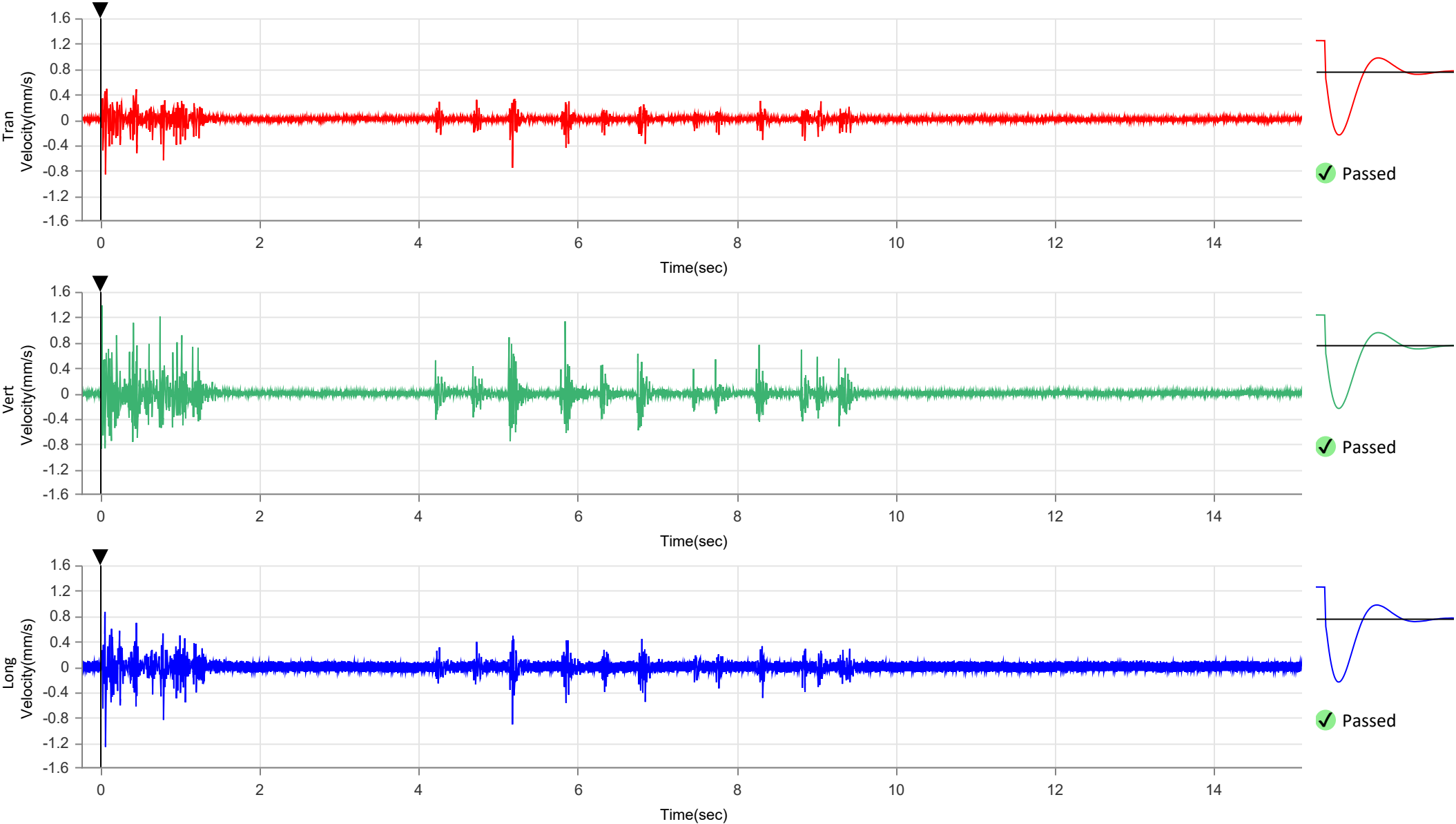
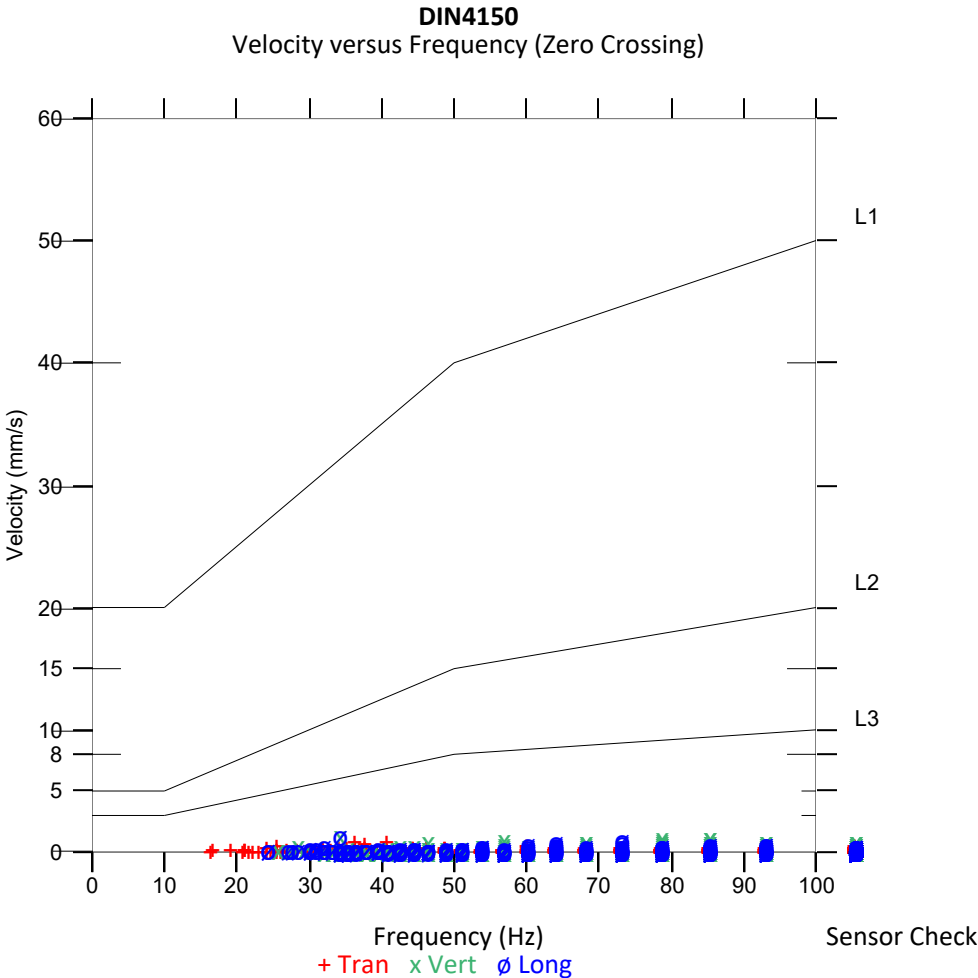
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.859 mm/s	1.387 mm/s	1.261 mm/s
37.9 Hz	34.1 Hz	34.1 Hz
0.053 sec	0.009 sec	0.054 sec
0.046 g	0.099 g	0.061 g
0.003 mm	0.004 mm	0.004 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.541 mm/s at 0.054 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 09:24:24
Geo 0.500 mm/s
0.25 sec/6.0 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221025092424.IDFW
Disabled

Notes
Location
Client
Company
General Notes

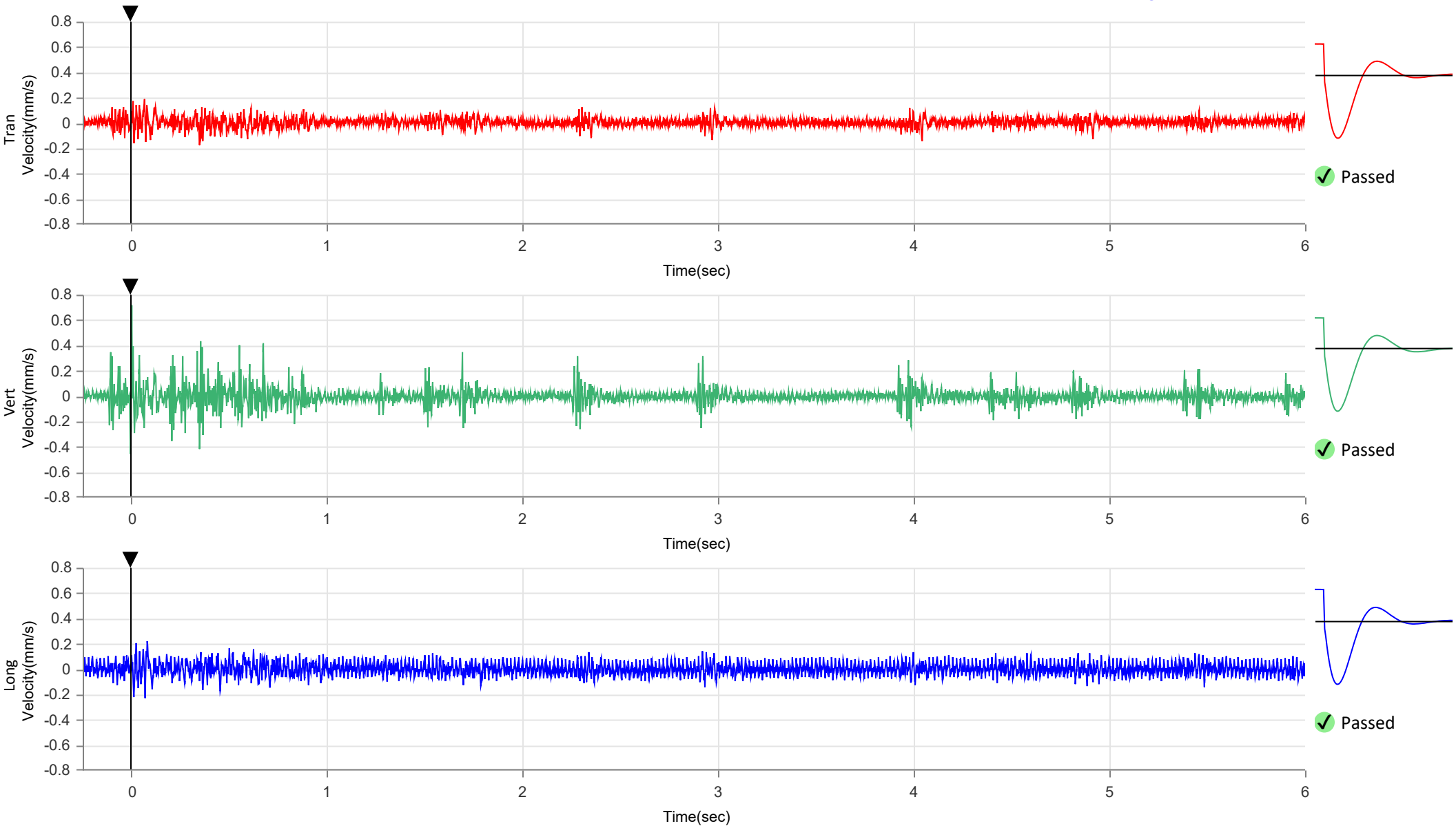
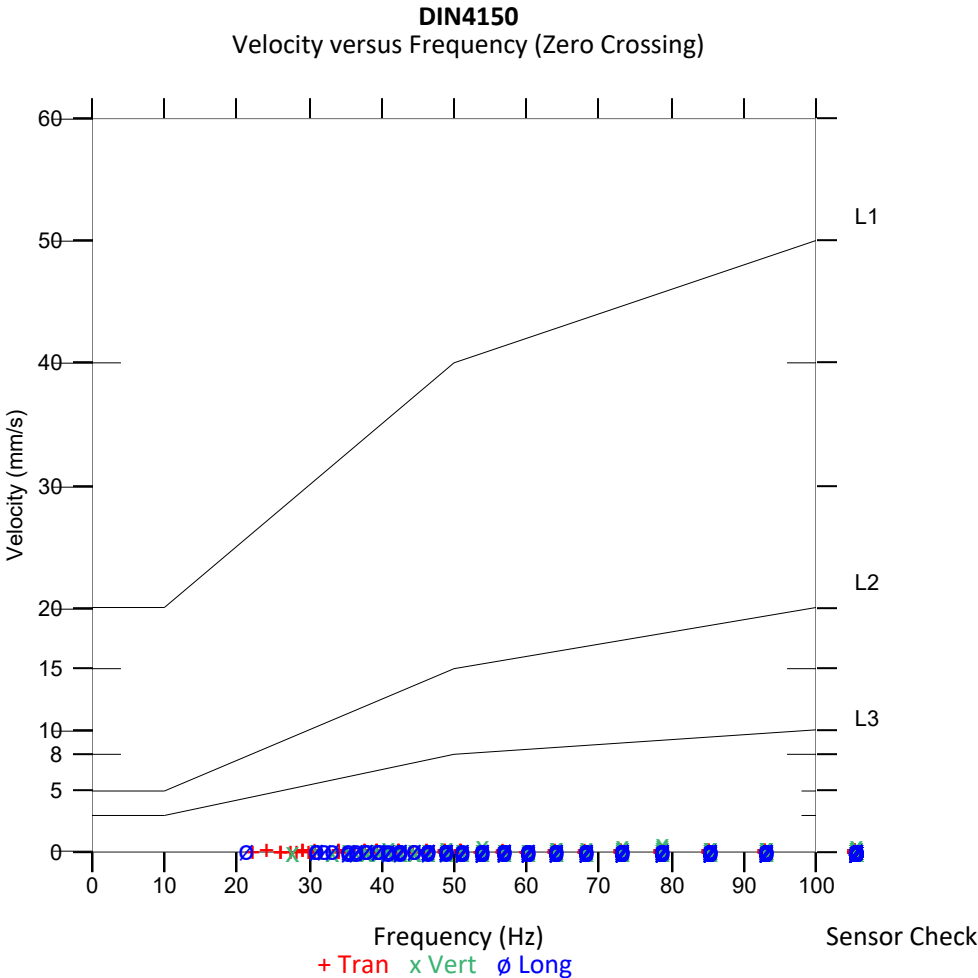
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.189 mm/s	0.717 mm/s	0.229 mm/s
39.4 Hz	78.8 Hz	73.1 Hz
0.066 sec	0.001 sec	0.070 sec
0.015 g	0.036 g	0.018 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 0.725 mm/s at 0.001 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 25, 2022 15:24:16
Geo 0.500 mm/s
0.25 sec/9.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221025152416.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

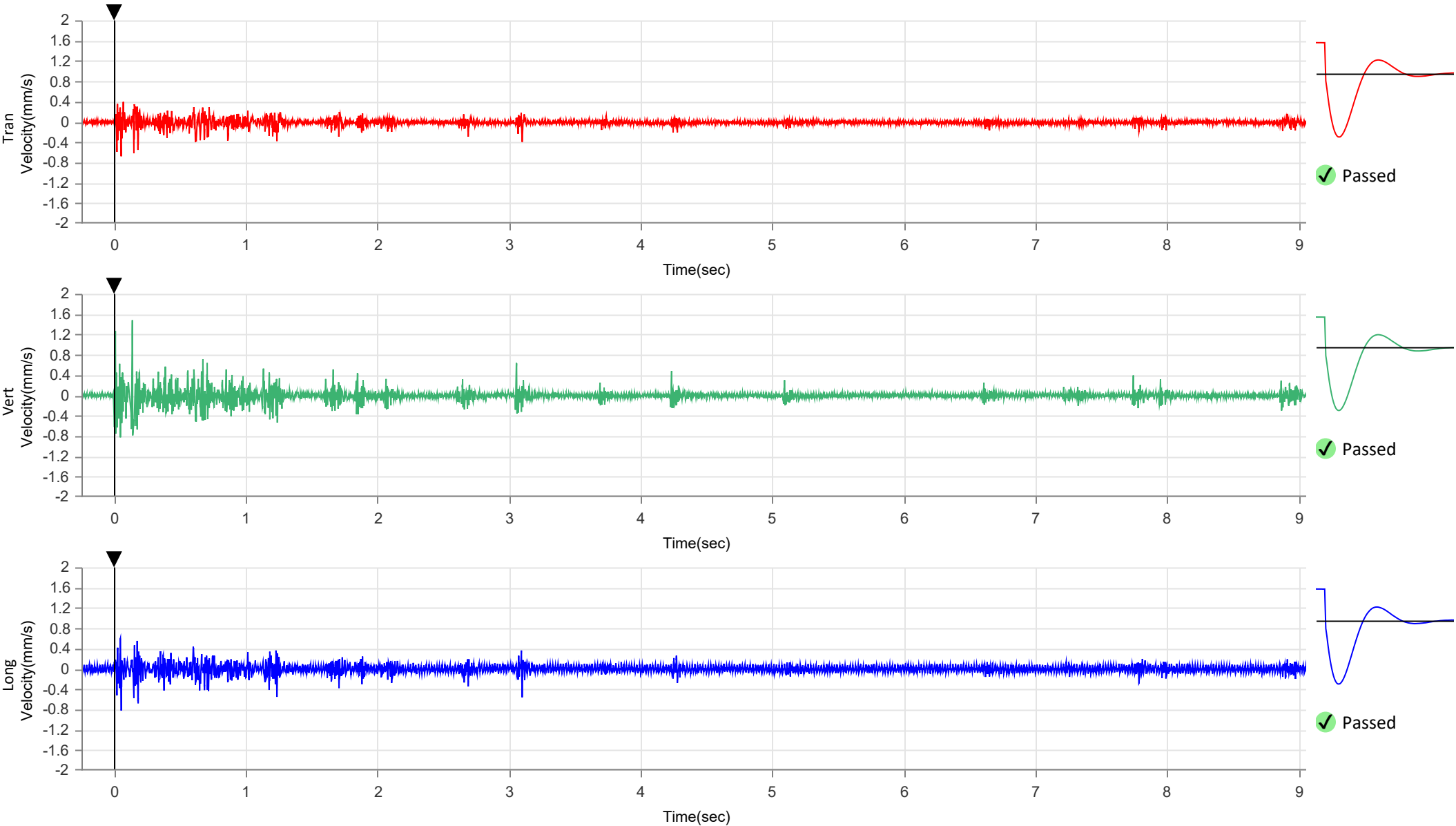
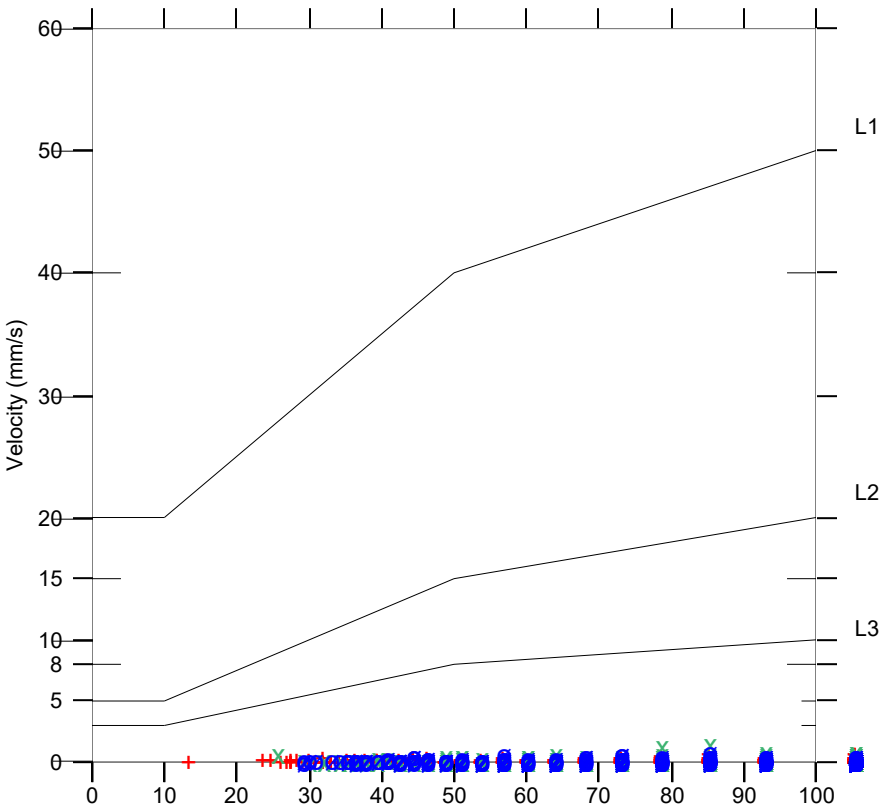
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.678 mm/s	1.482 mm/s	0.820 mm/s
85.3 Hz	85.3 Hz	85.3 Hz
0.052 sec	0.137 sec	0.053 sec
0.039 g	0.100 g	0.043 g
0.001 mm	0.003 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.494 mm/s at 0.137 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 01:22:06
Geo 0.500 mm/s
0.25 sec/14.9 sec (Auto)
2048 sps
factory.mmb
Operator

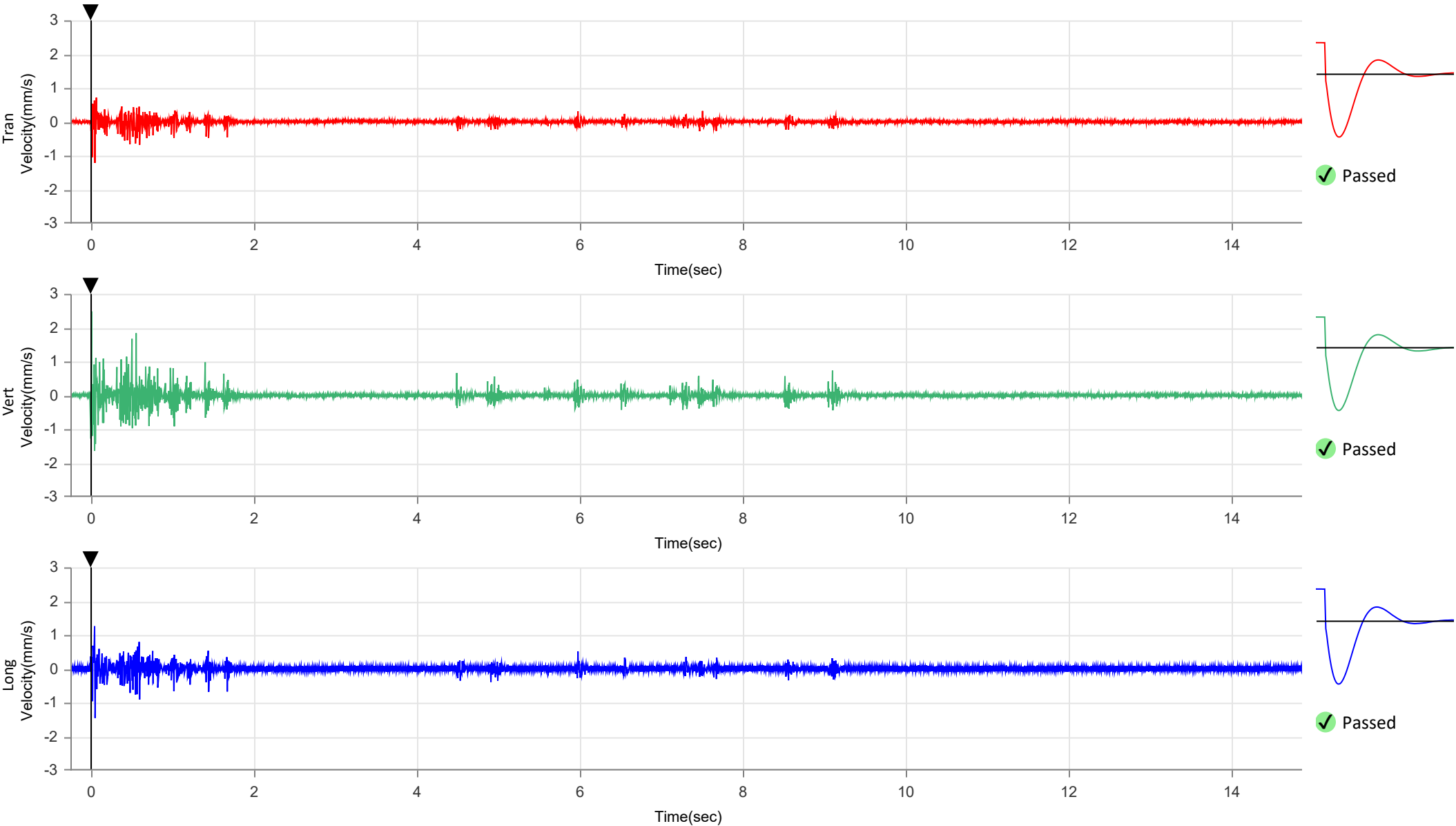
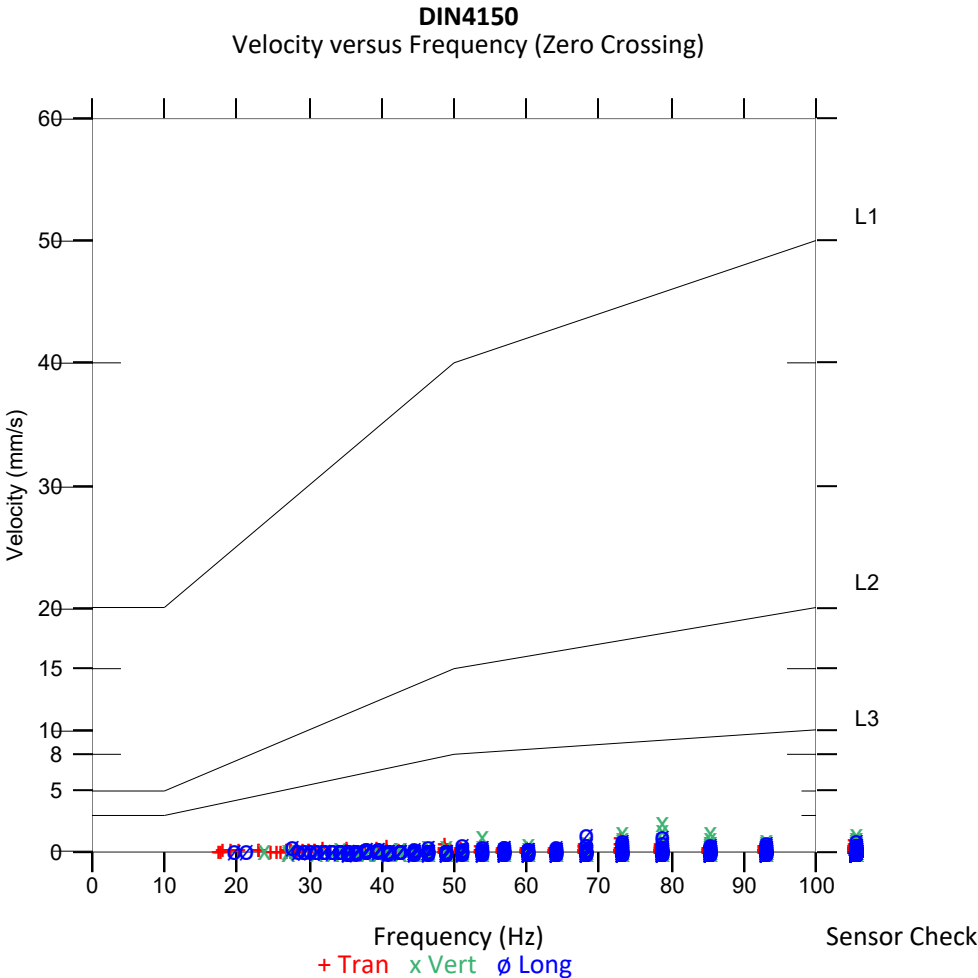
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221026012206.IDFW
Disabled

Notes
Location MM-29, Zg. Skofije 128e
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.214 mm/s	2.483 mm/s	1.450 mm/s
Zero Crossing Frequency	73.1 Hz	78.8 Hz	68.3 Hz
Time (Relative to Trigger)	0.052 sec	0.010 sec	0.053 sec
Peak Acceleration	0.079 g	0.160 g	0.064 g
Peak Displacement	0.002 mm	0.005 mm	0.003 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	2.508 mm/s at 0.010 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 09:36:00
Geo 0.500 mm/s
0.25 sec/6.0 sec (Auto)
2048 sps
factory.mmb
Operator

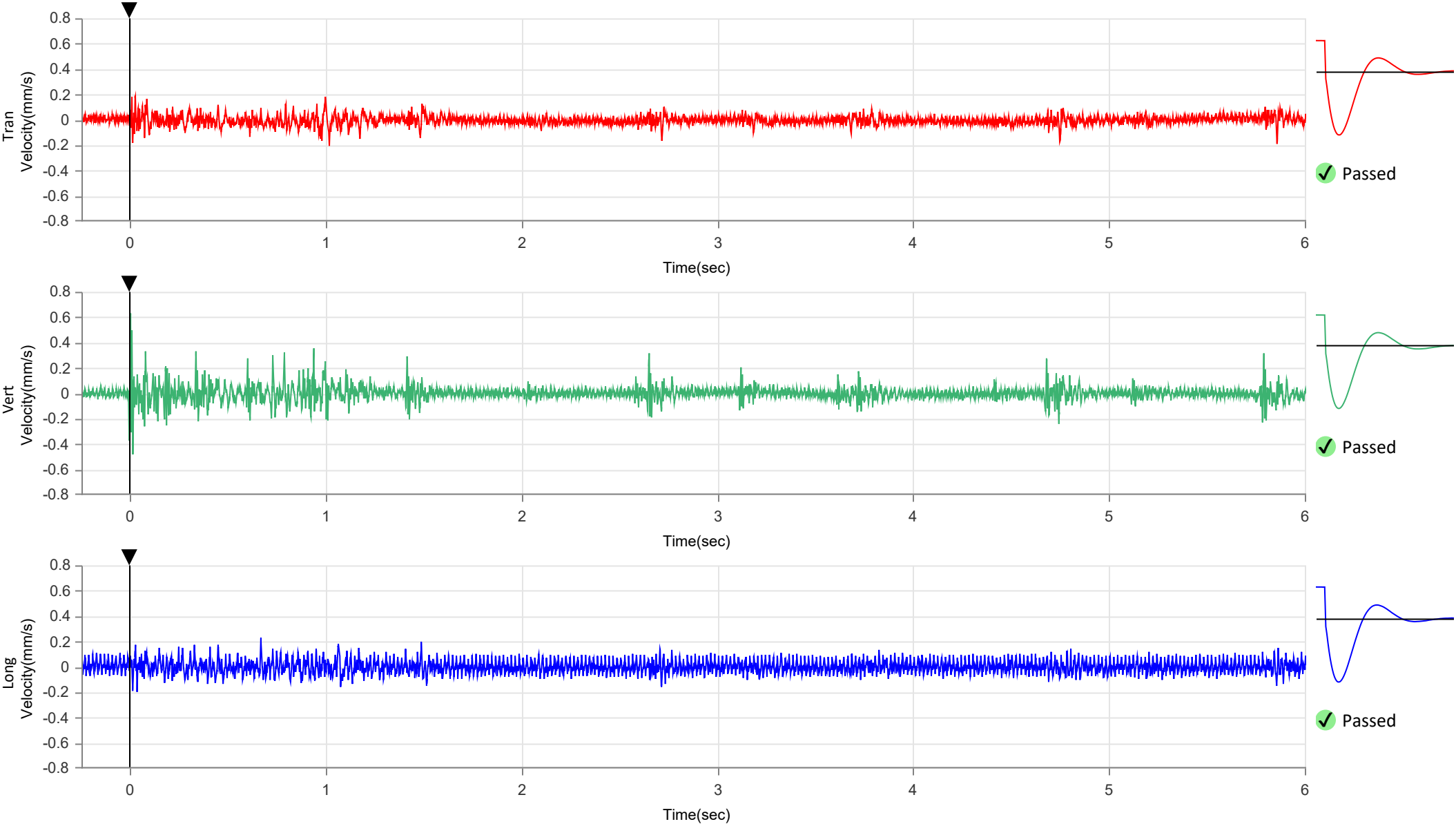
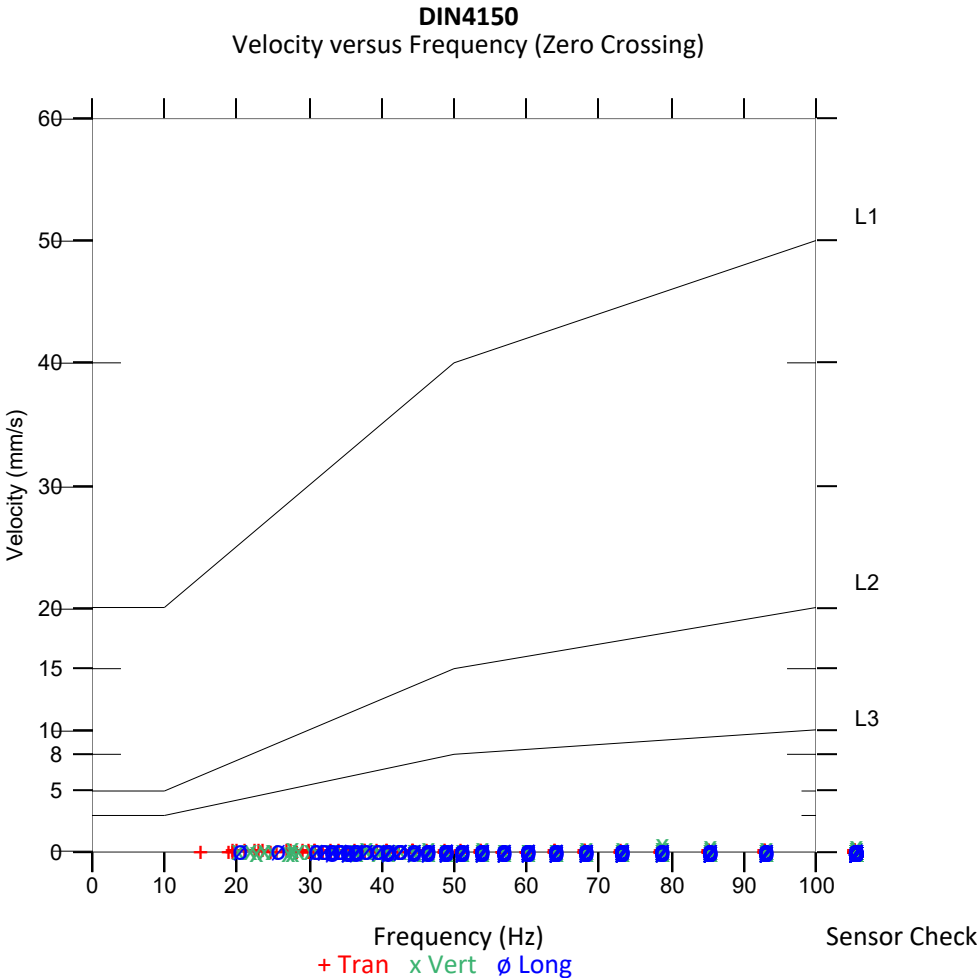
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221026093600.IDFW
Disabled

Notes
Location MM-29, Zg. Skofije 128e
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.205 mm/s	0.631 mm/s	0.229 mm/s
Zero Crossing Frequency	23.3 Hz	78.8 Hz	42.7 Hz
Time (Relative to Trigger)	1.017 sec	0.001 sec	0.667 sec
Peak Acceleration	0.015 g	0.036 g	0.015 g
Peak Displacement	0.001 mm	0.001 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	0.641 mm/s at 0.001 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 13:02:18
Geo 0.500 mm/s
0.25 sec/13.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221026130218.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

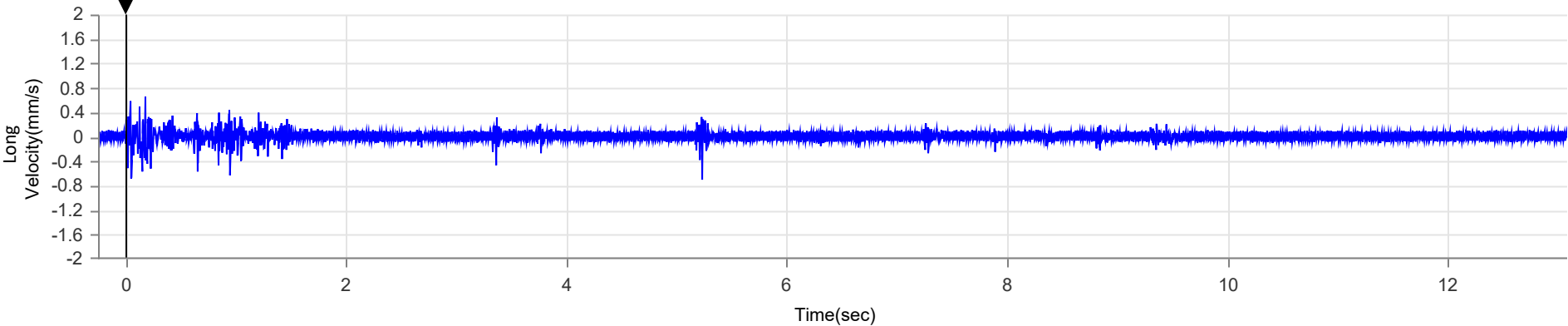
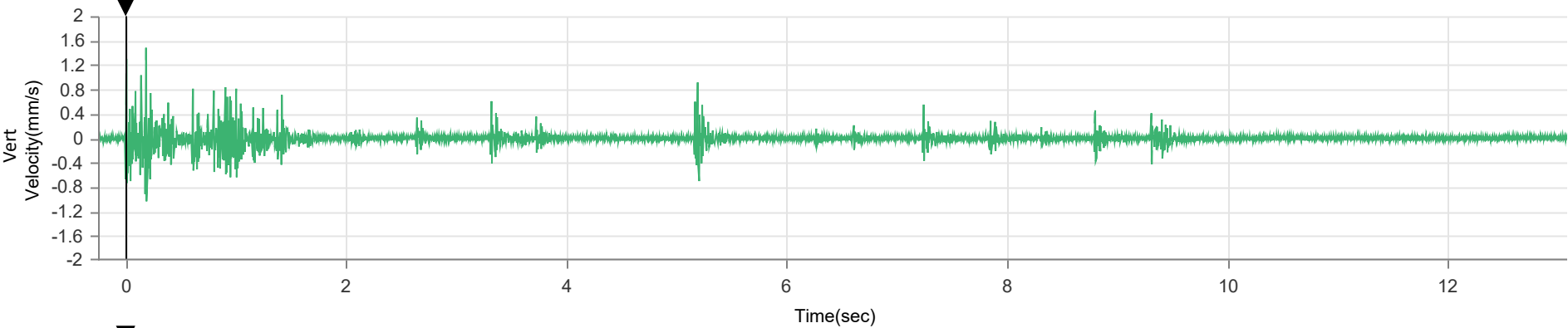
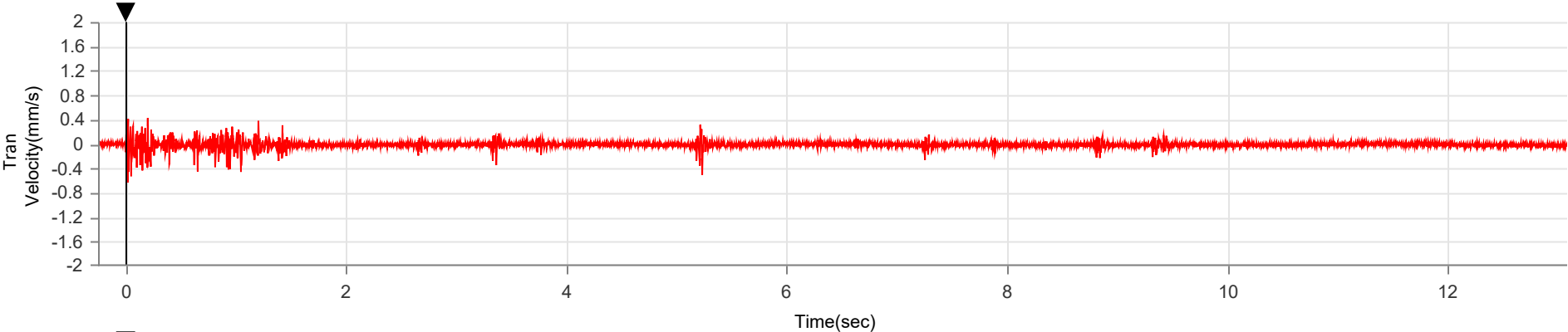
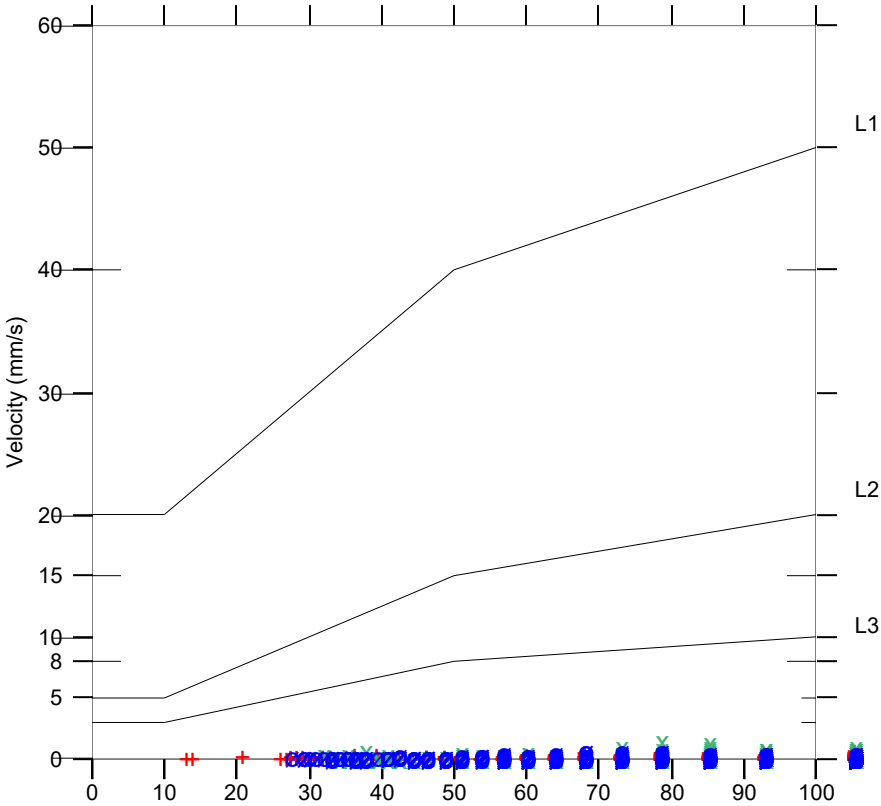
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.631 mm/s	1.482 mm/s	0.701 mm/s
>100 Hz	78.8 Hz	73.1 Hz
0.021 sec	0.187 sec	5.233 sec
0.053 g	0.114 g	0.038 g
0.001 mm	0.003 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.500 mm/s at 0.187 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 22:34:14
Geo 0.500 mm/s
0.25 sec/6.1 sec (Auto)
2048 sps
factory.mmb
Operator

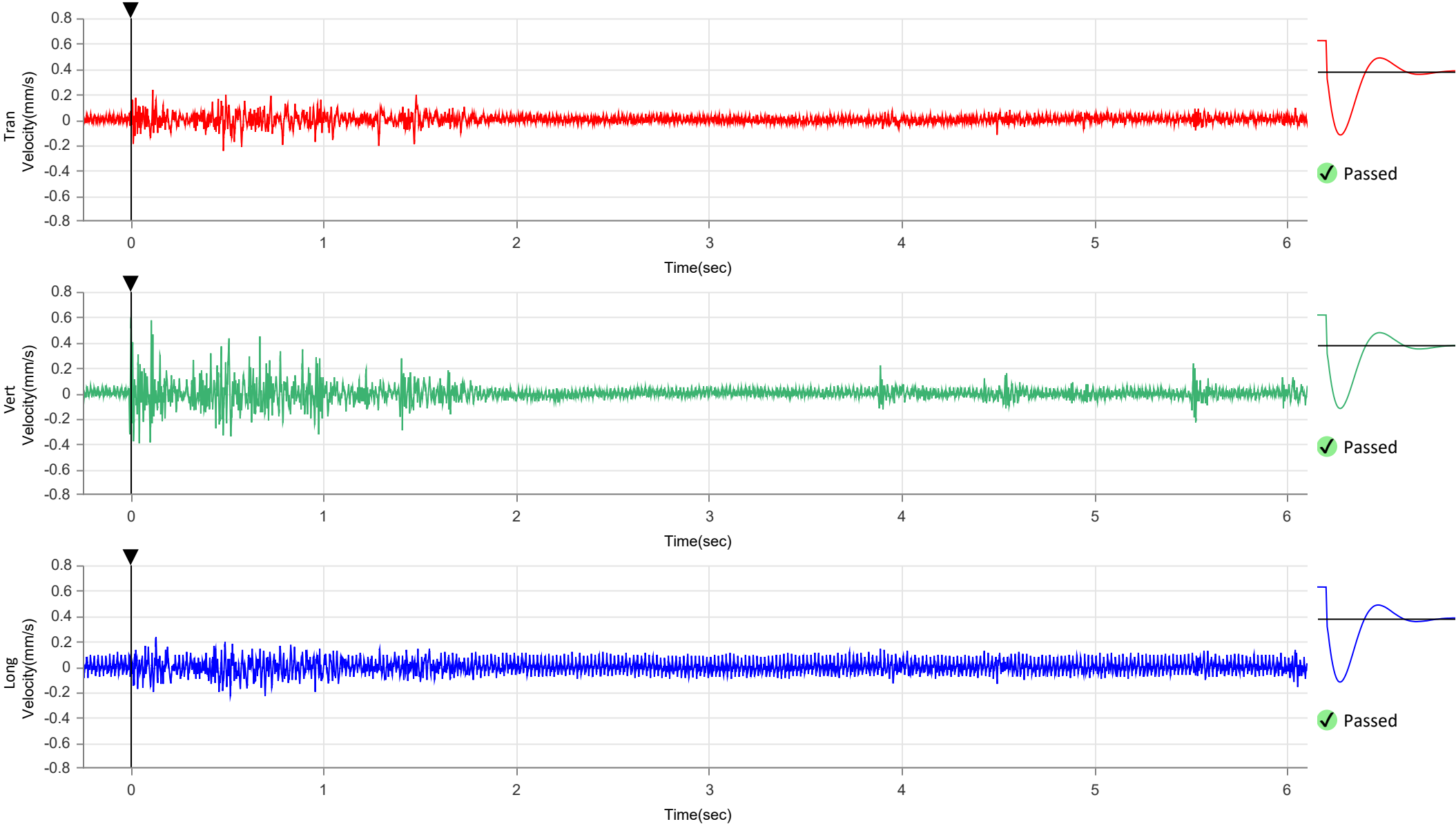
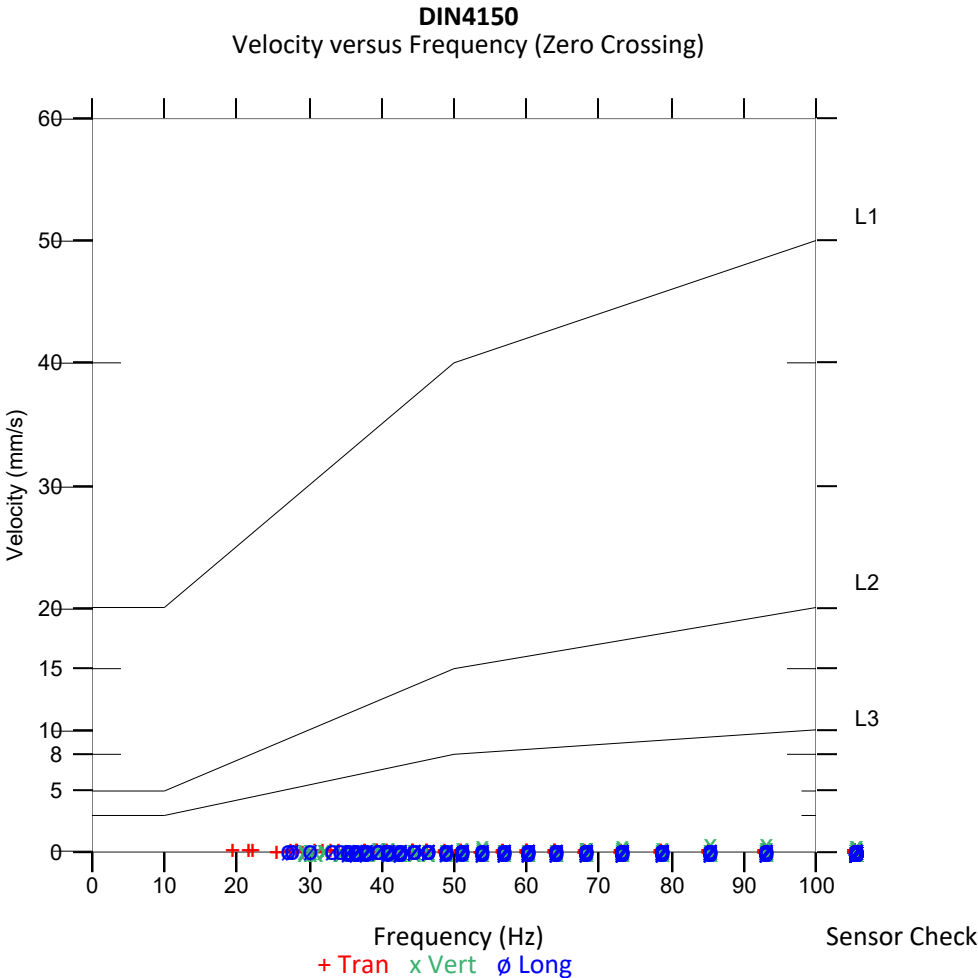
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221026223414.IDFW
Disabled

Notes
Location MM-29, Zg. Skofije 128e
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.244 mm/s	0.654 mm/s	0.236 mm/s
Zero Crossing Frequency	64.0 Hz	85.3 Hz	78.8 Hz
Time (Relative to Trigger)	0.479 sec	0.001 sec	0.130 sec
Peak Acceleration	0.018 g	0.038 g	0.018 g
Peak Displacement	0.001 mm	0.001 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	0.661 mm/s at 0.001 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 26, 2022 23:57:34
Geo 0.500 mm/s
0.25 sec/13.5 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221026235734.IDFW
Disabled

Notes
Location
Client
Company
General Notes

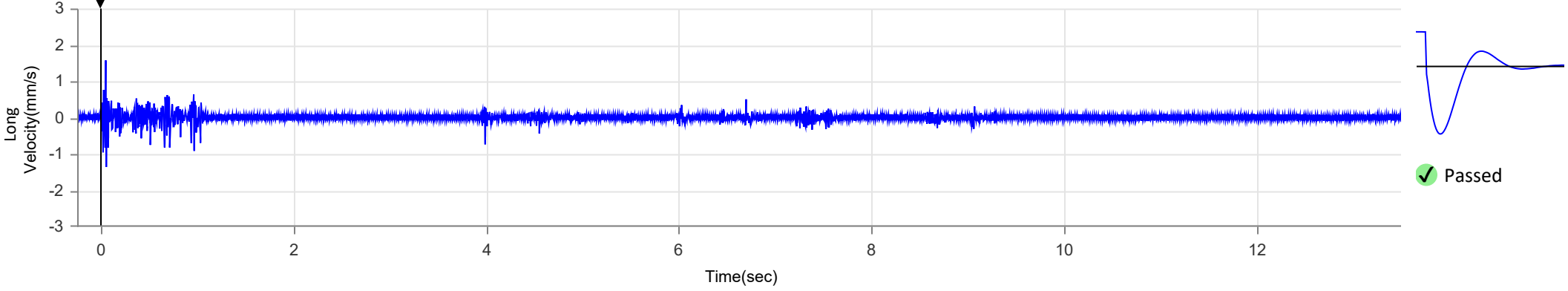
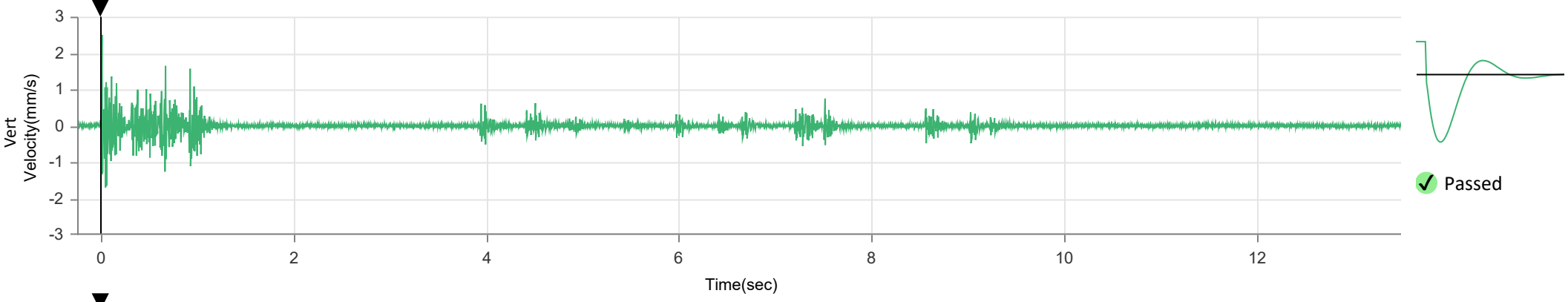
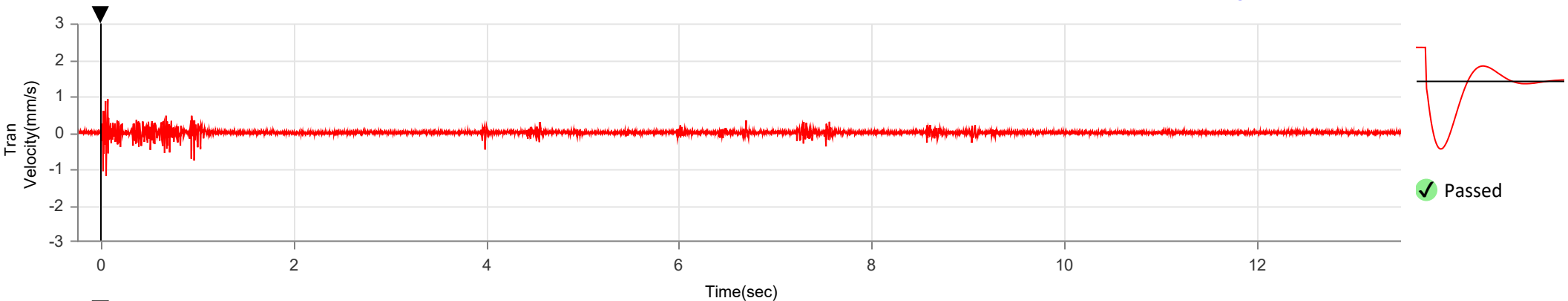
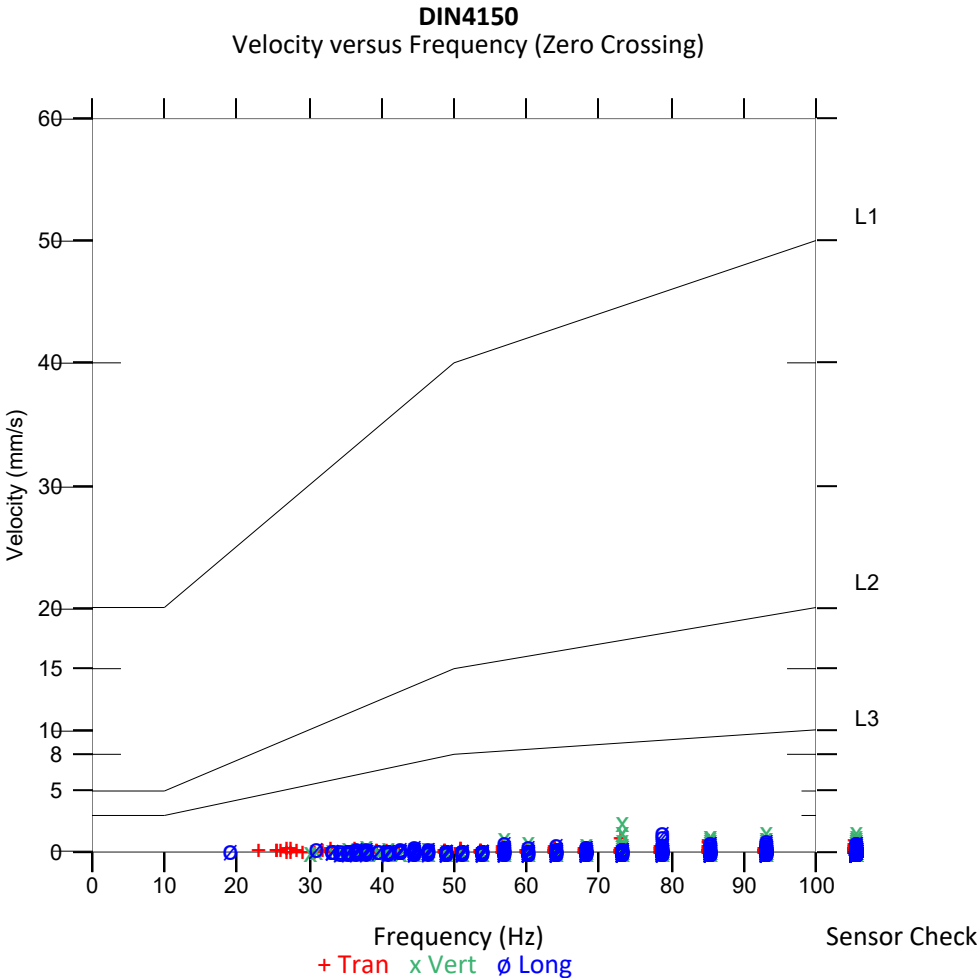
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
1.190 mm/s	2.499 mm/s	1.576 mm/s
78.8 Hz	73.1 Hz	78.8 Hz
0.052 sec	0.009 sec	0.047 sec
0.074 g	0.165 g	0.086 g
0.002 mm	0.005 mm	0.003 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 2.535 mm/s at 0.009 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 09:03:26
Geo 0.500 mm/s
0.25 sec/6.1 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221027090326.IDFW
Disabled

Notes
Location
Client
Company
General Notes

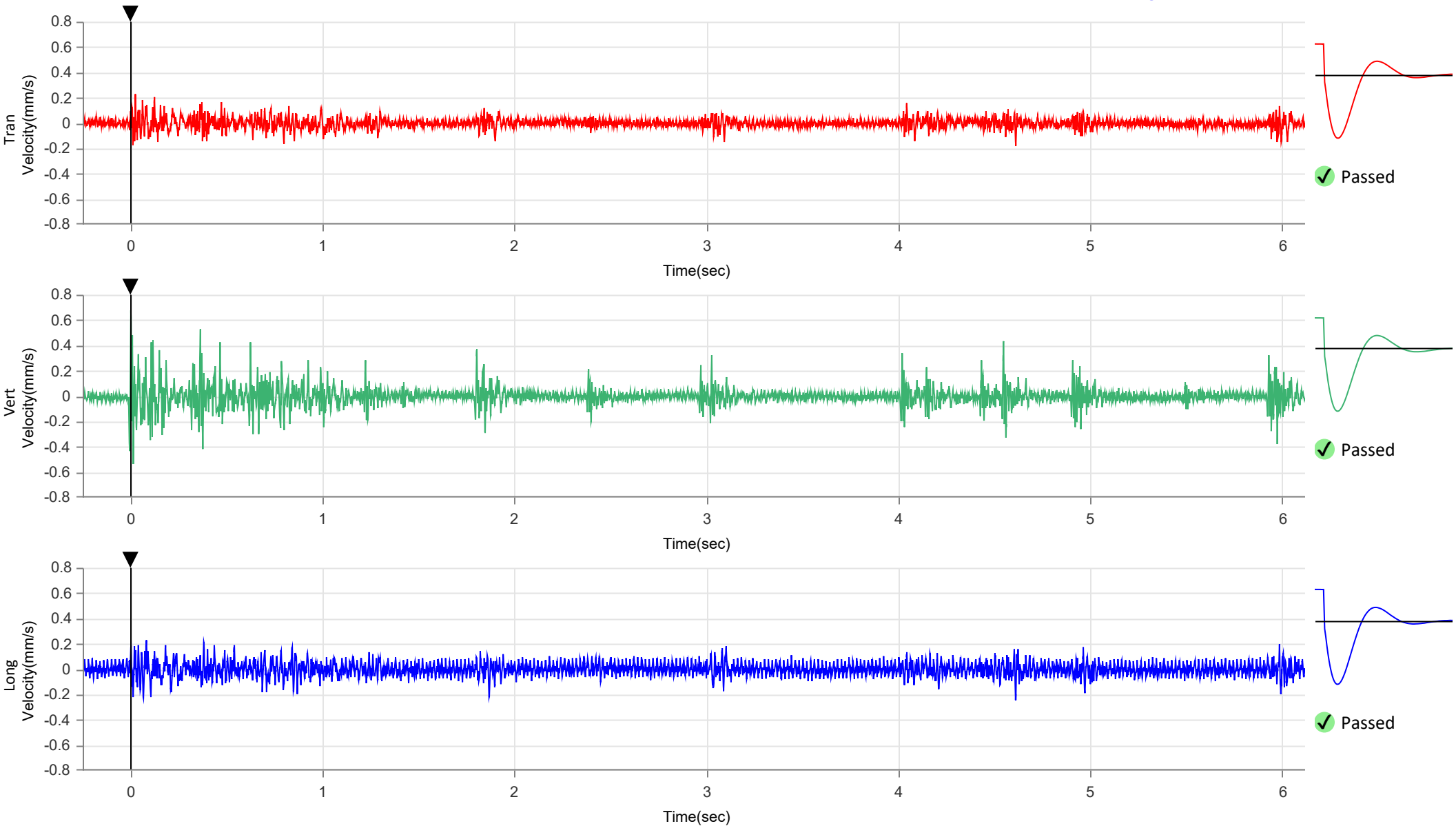
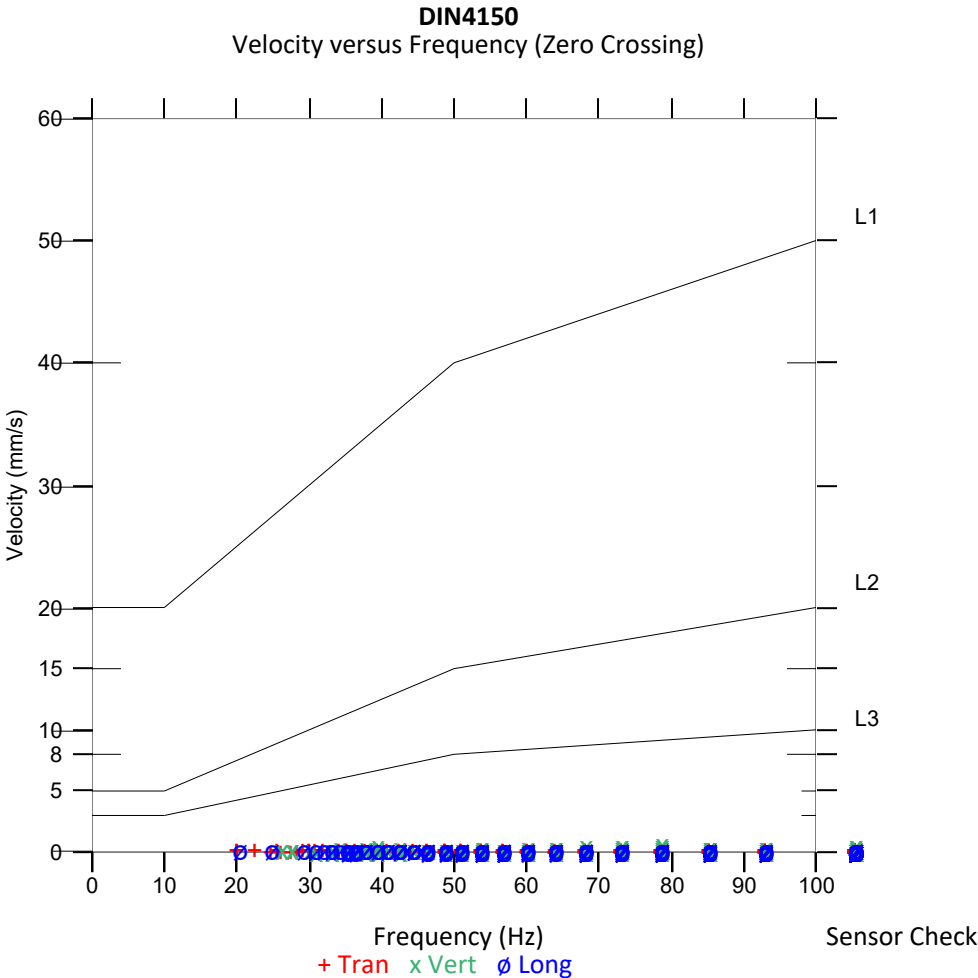
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.229 mm/s	0.678 mm/s	0.244 mm/s
>100 Hz	78.8 Hz	64.0 Hz
0.025 sec	0.001 sec	4.611 sec
0.020 g	0.036 g	0.016 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 0.702 mm/s at 0.001 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 10:44:25
Geo 0.500 mm/s
0.25 sec/10.5 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221027104425.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

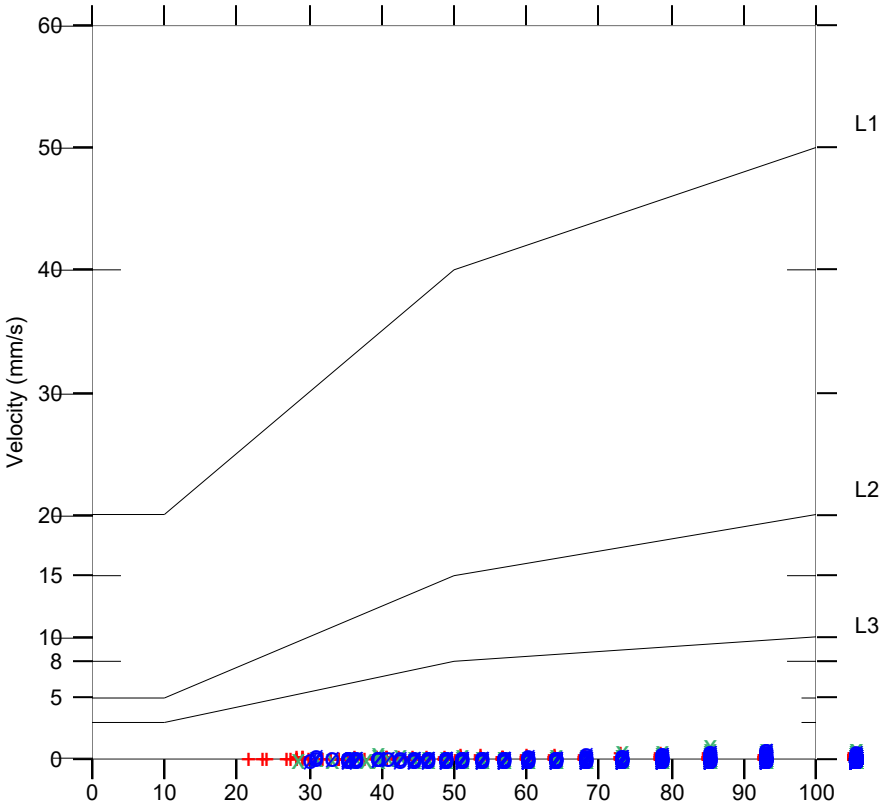
Geophone

Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

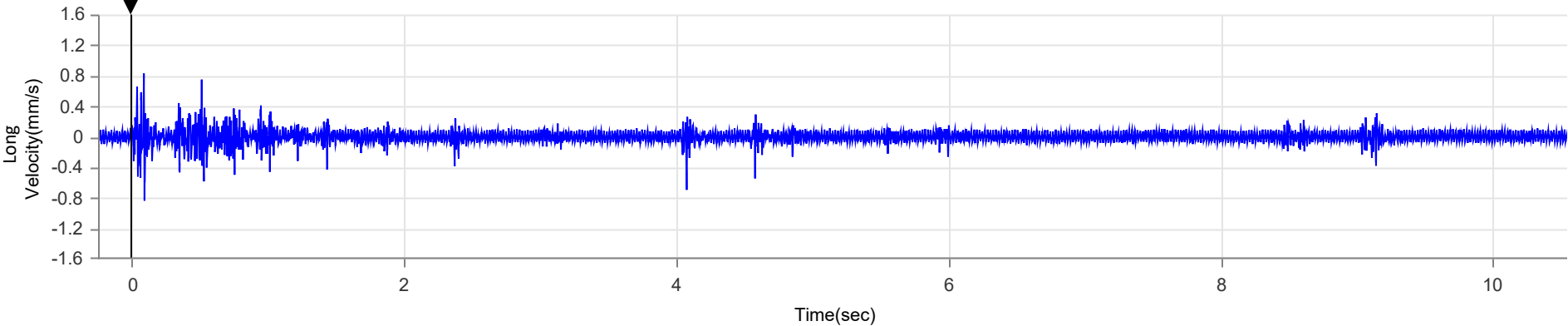
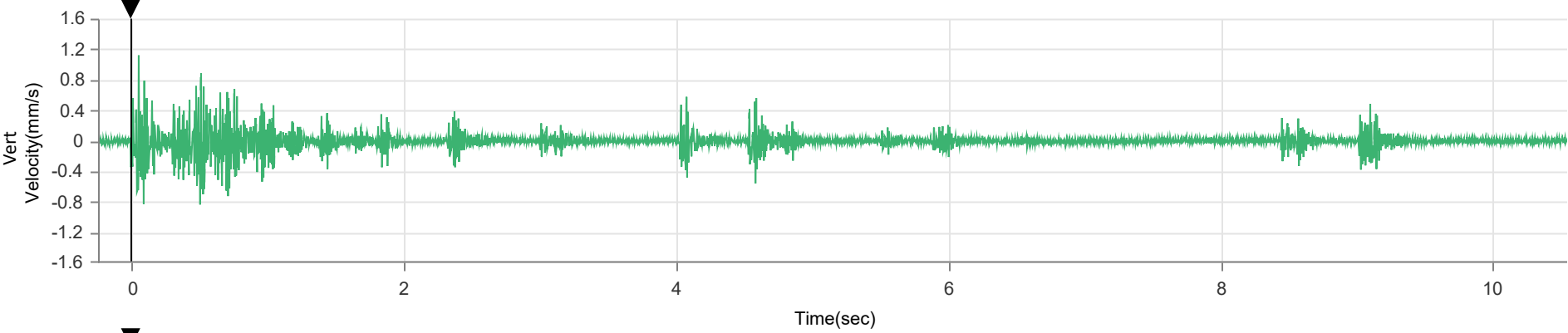
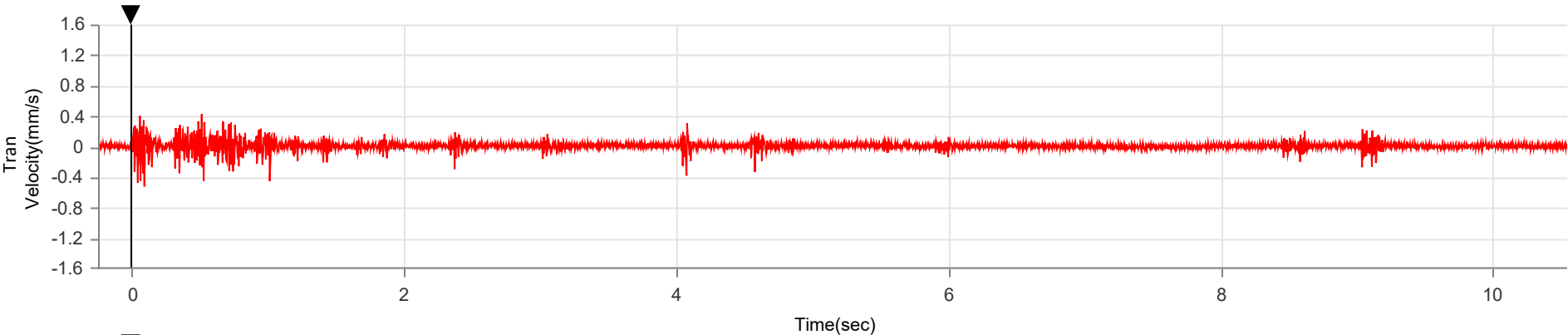
Tran	Vert	Long
0.512 mm/s	1.119 mm/s	0.835 mm/s
78.8 Hz	85.3 Hz	93.1 Hz
0.091 sec	0.050 sec	0.092 sec
0.041 g	0.071 g	0.063 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.196 mm/s at 0.091 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 21:33:47
Geo 0.500 mm/s
0.25 sec/13.8 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

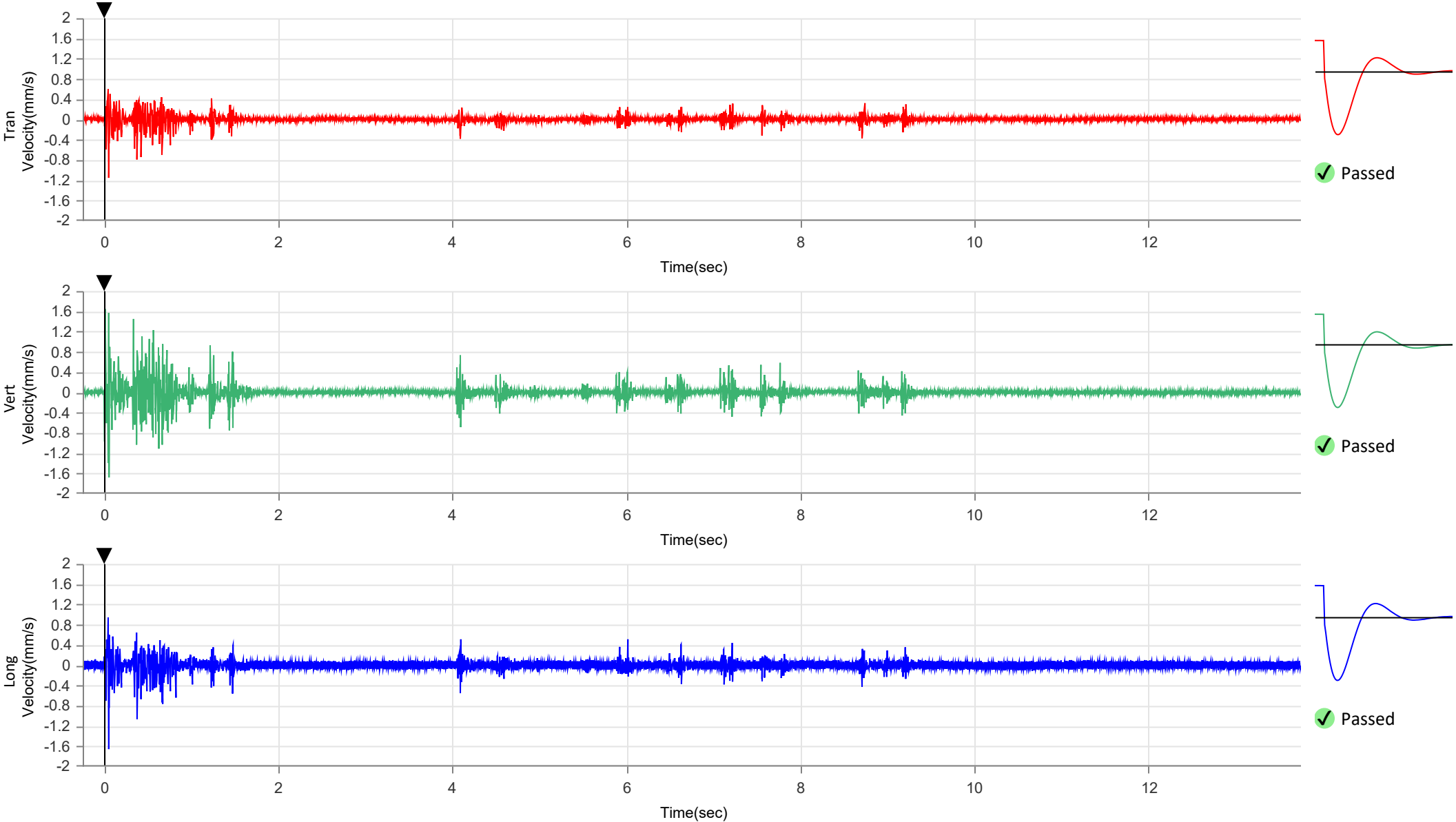
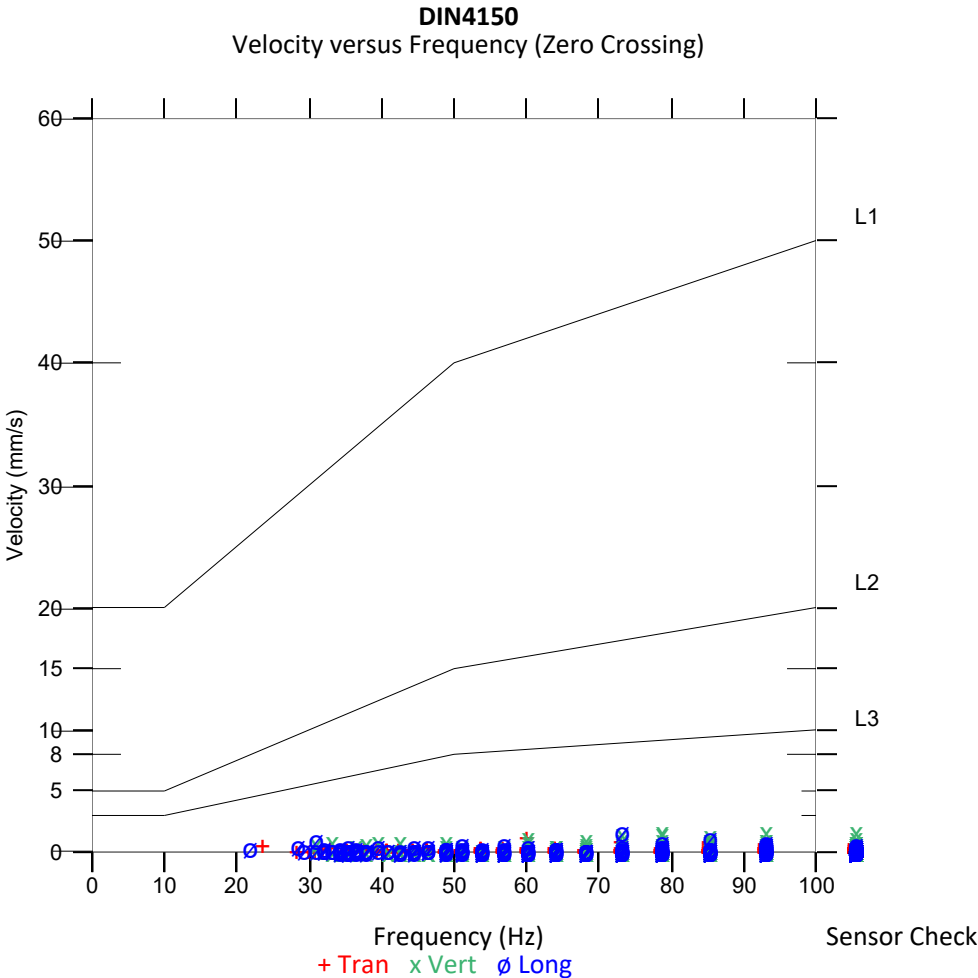
UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221027213347.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.151 mm/s	1.679 mm/s	1.655 mm/s
Zero Crossing Frequency	60.2 Hz	>100 Hz	73.1 Hz
Time (Relative to Trigger)	0.049 sec	0.054 sec	0.050 sec
Peak Acceleration	0.046 g	0.118 g	0.081 g
Peak Displacement	0.003 mm	0.003 mm	0.004 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	2.487 mm/s at 0.050 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 27, 2022 23:37:47
Geo 0.500 mm/s
0.25 sec/6.2 sec (Auto)
2048 sps
factory.mmb
Operator

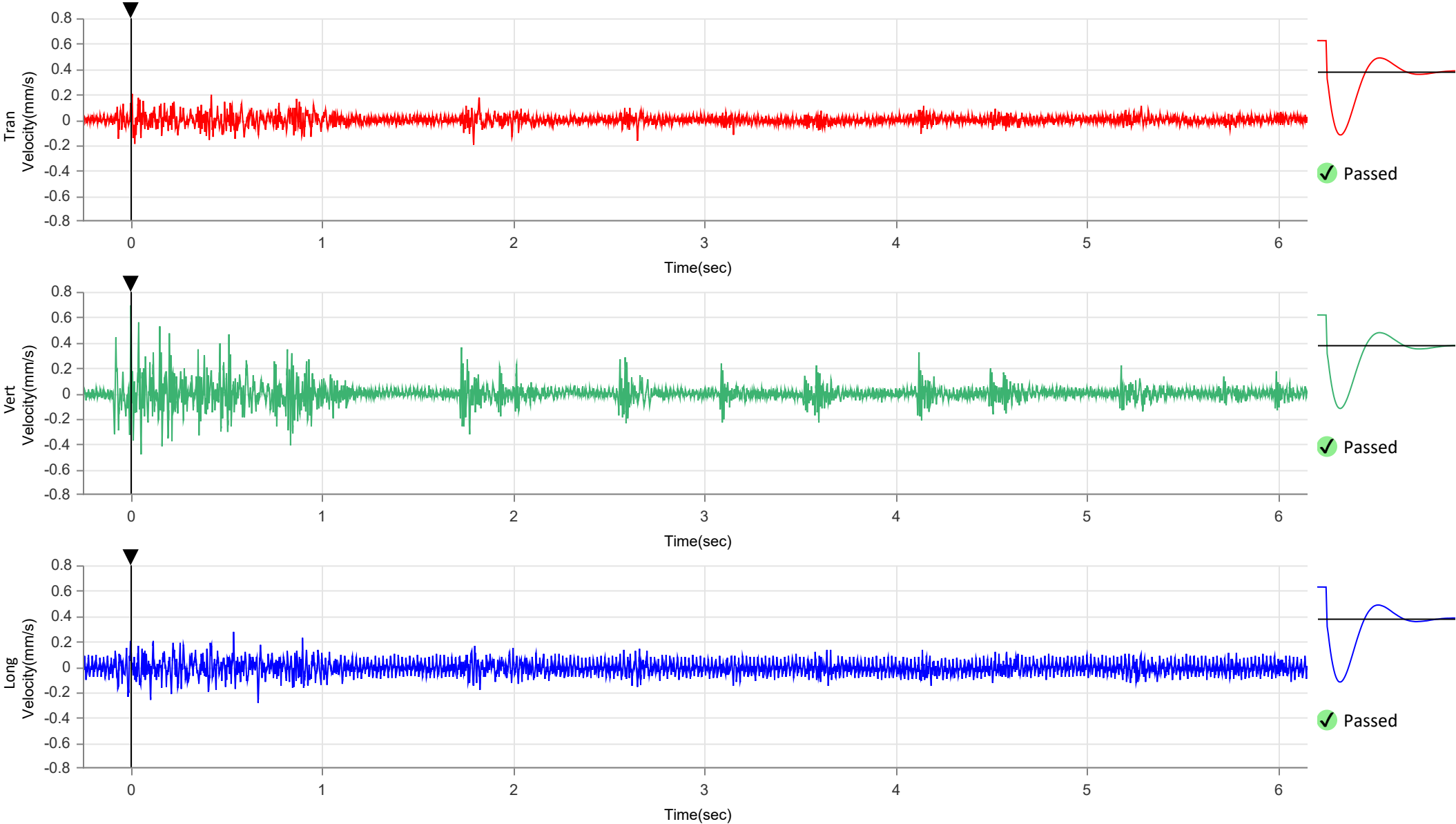
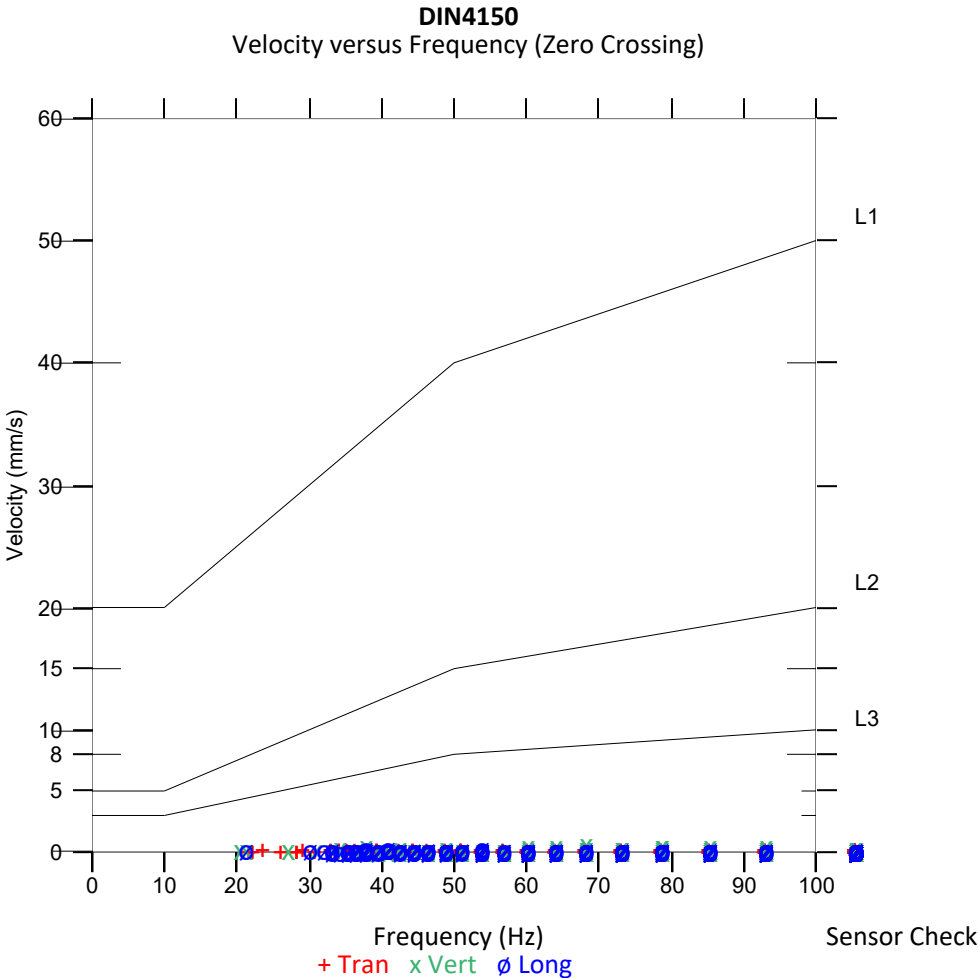
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221027233747.IDFW
Disabled

Notes
Location MM-29, Zg. Skofije 128e
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.205 mm/s	0.694 mm/s	0.284 mm/s
Zero Crossing Frequency	35.3 Hz	68.3 Hz	42.7 Hz
Time (Relative to Trigger)	0.008 sec	0.001 sec	0.667 sec
Peak Acceleration	0.015 g	0.030 g	0.016 g
Peak Displacement	0.001 mm	0.002 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	0.728 mm/s at 0.001 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 04:10:41
Geo 0.500 mm/s
0.25 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221028041041.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

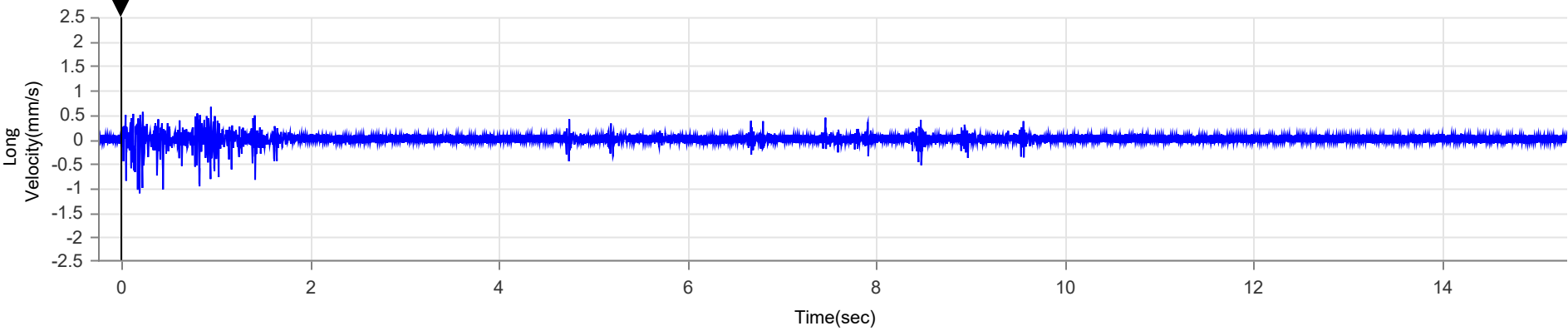
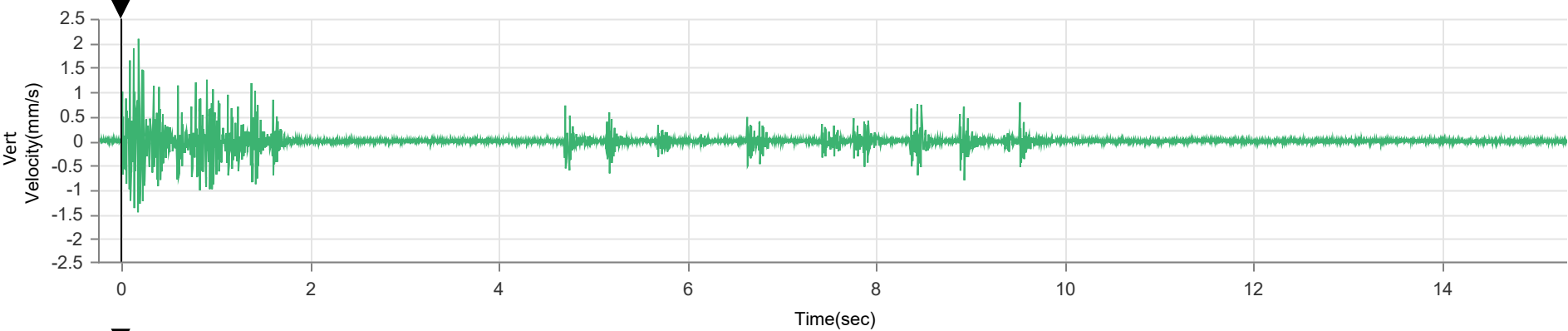
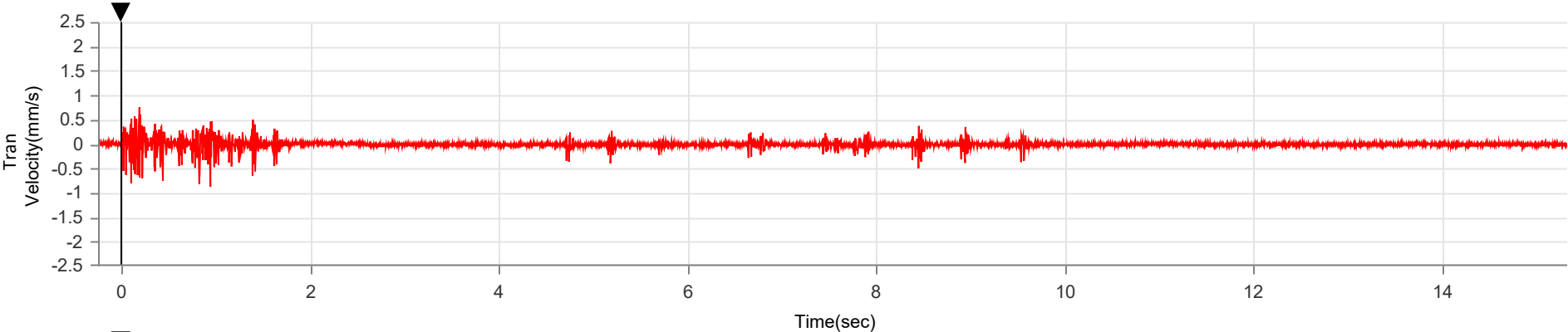
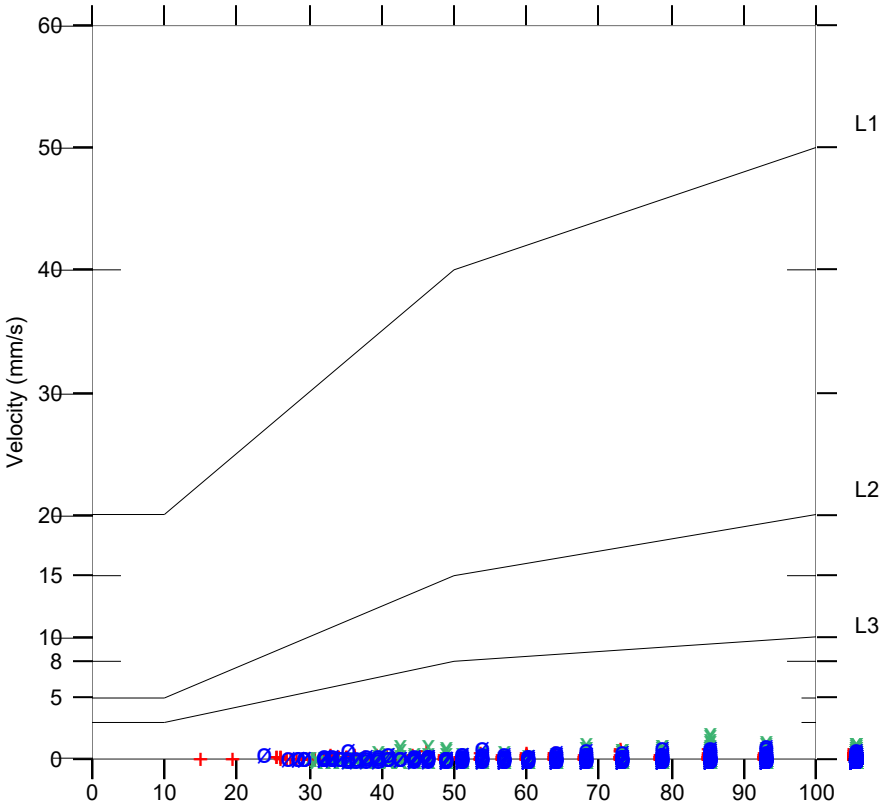
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.875 mm/s	2.089 mm/s	1.103 mm/s
>100 Hz	85.3 Hz	93.1 Hz
0.943 sec	0.181 sec	0.192 sec
0.071 g	0.148 g	0.063 g
0.002 mm	0.004 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 2.134 mm/s at 0.181 sec

DIN4150
Velocity versus Frequency (Zero Crossing)





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 09:52:14
Geo 0.500 mm/s
0.25 sec/6.6 sec (Auto)
2048 sps
factory.mmb
Operator

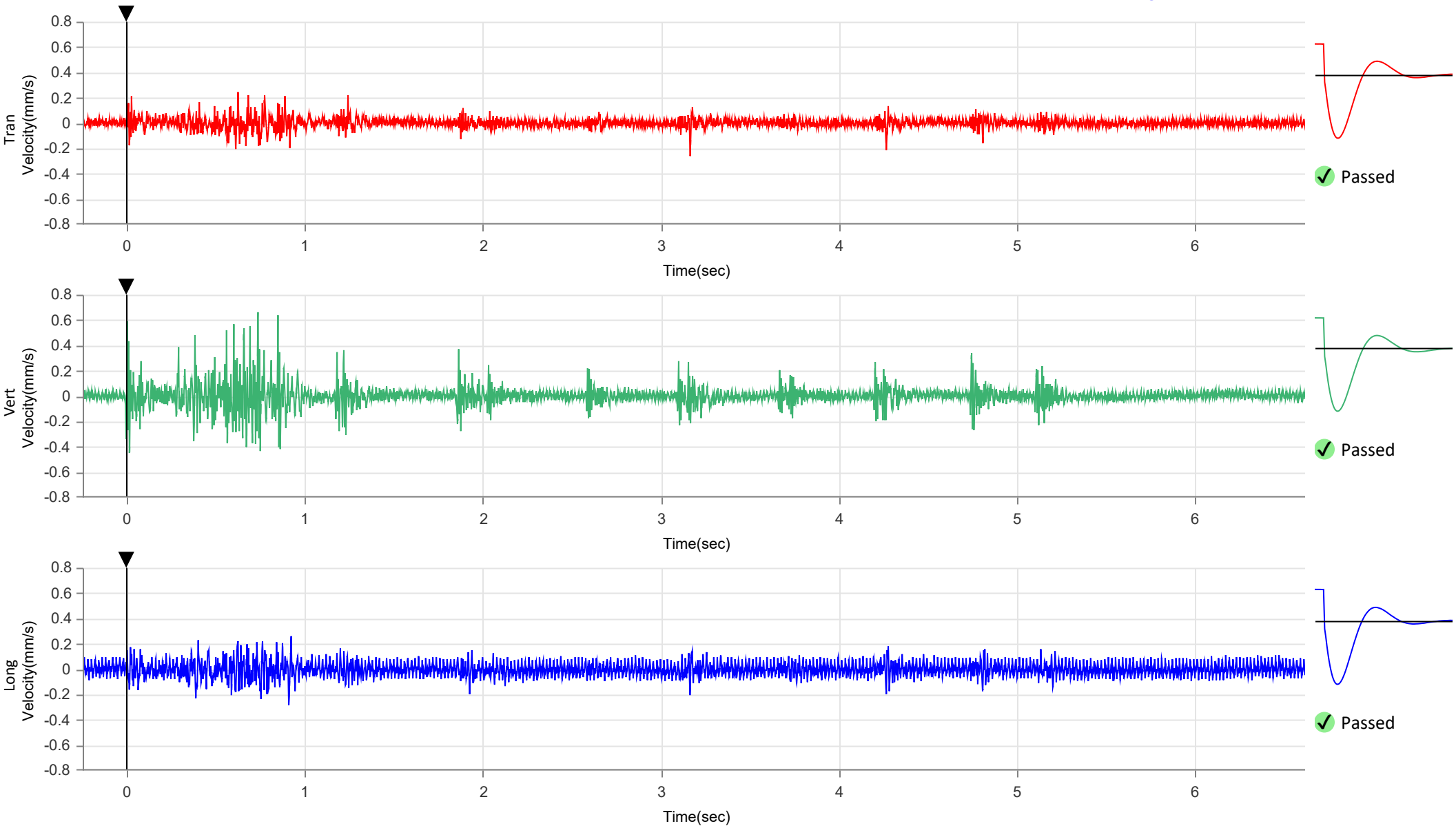
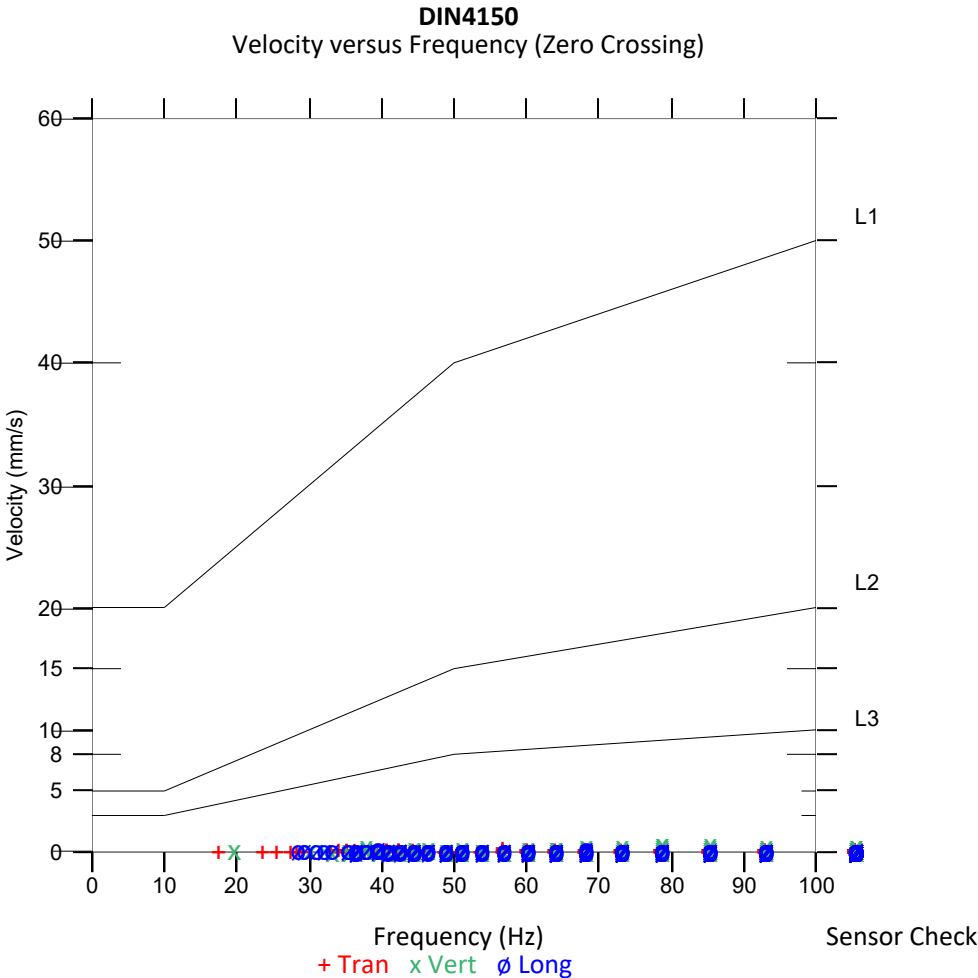
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221028095214.IDFW
Disabled

Notes
Location MM-29, Zg. Skofije 128e
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.260 mm/s	0.662 mm/s	0.284 mm/s
Zero Crossing Frequency	56.9 Hz	78.8 Hz	39.4 Hz
Time (Relative to Trigger)	3.165 sec	0.735 sec	0.909 sec
Peak Acceleration	0.016 g	0.043 g	0.018 g
Peak Displacement	0.001 mm	0.001 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	0.669 mm/s at 0.848 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 28, 2022 15:46:50
Geo 0.500 mm/s
0.25 sec/15.1 sec (Auto)
2048 sps
factory.mmb
Operator

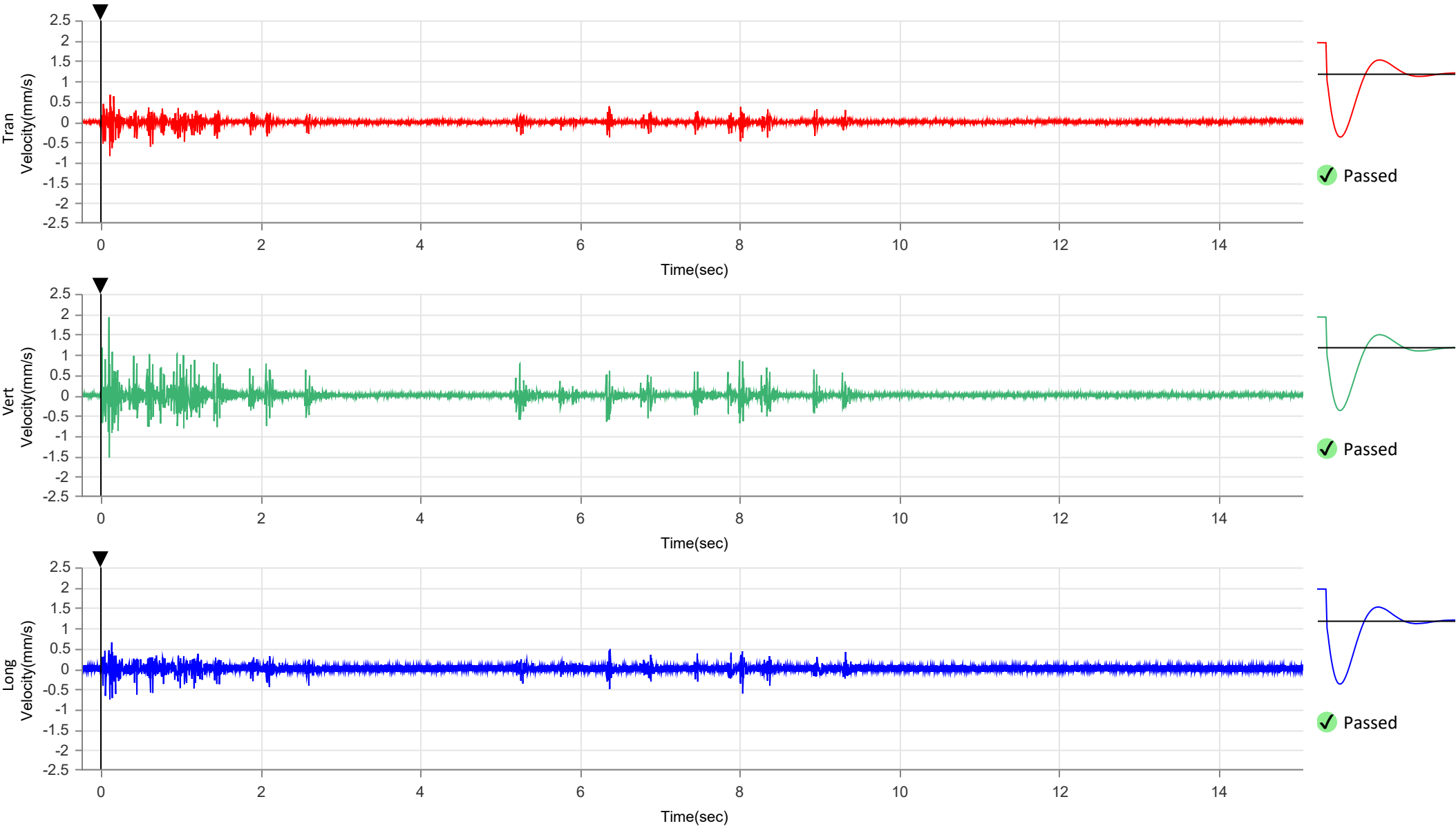
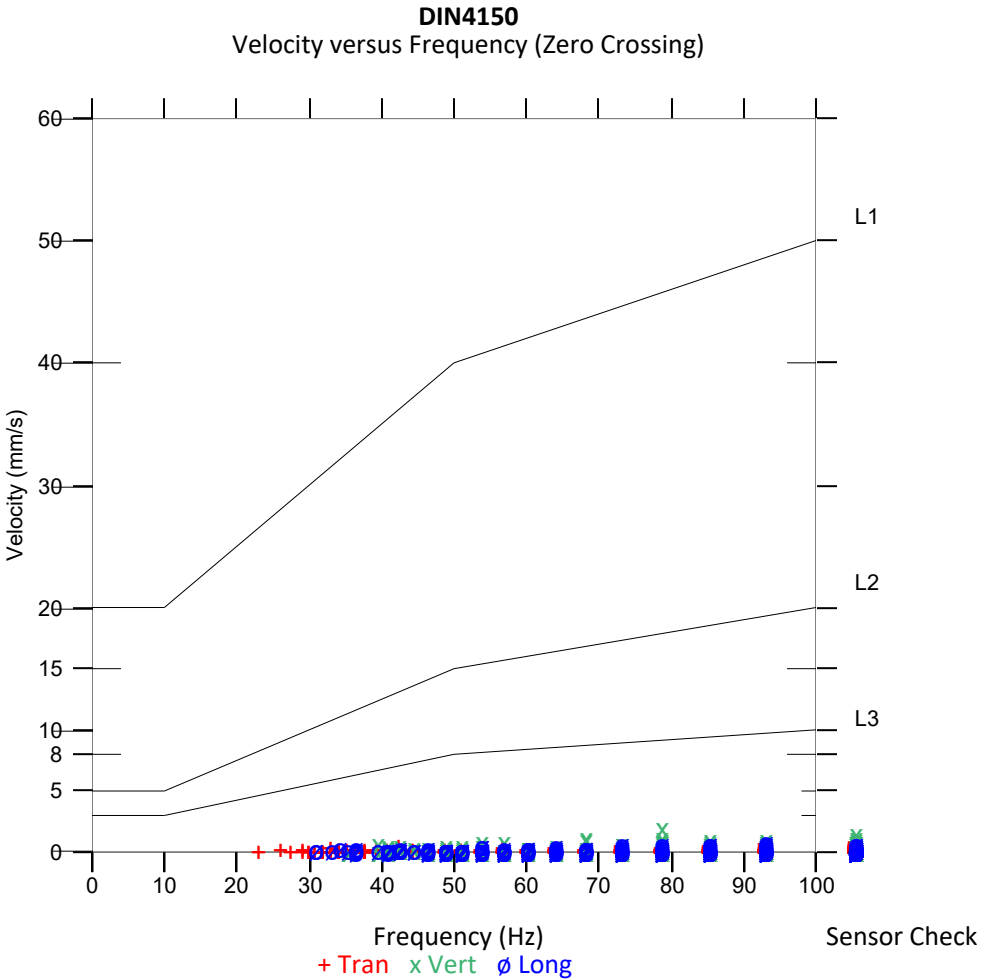
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221028154650.IDFW
Disabled

Notes
Location MM-29, Zg. Skofije 128e
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.843 mm/s	1.923 mm/s	0.749 mm/s
Zero Crossing Frequency	>100 Hz	78.8 Hz	93.1 Hz
Time (Relative to Trigger)	0.106 sec	0.095 sec	0.106 sec
Peak Acceleration	0.071 g	0.146 g	0.064 g
Peak Displacement	0.001 mm	0.004 mm	0.001 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	1.978 mm/s at 0.095 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 00:01:35
Geo 0.500 mm/s
0.25 sec/9.5 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221029000135.IDFW
Disabled

Notes
Location
Client
Company
General Notes

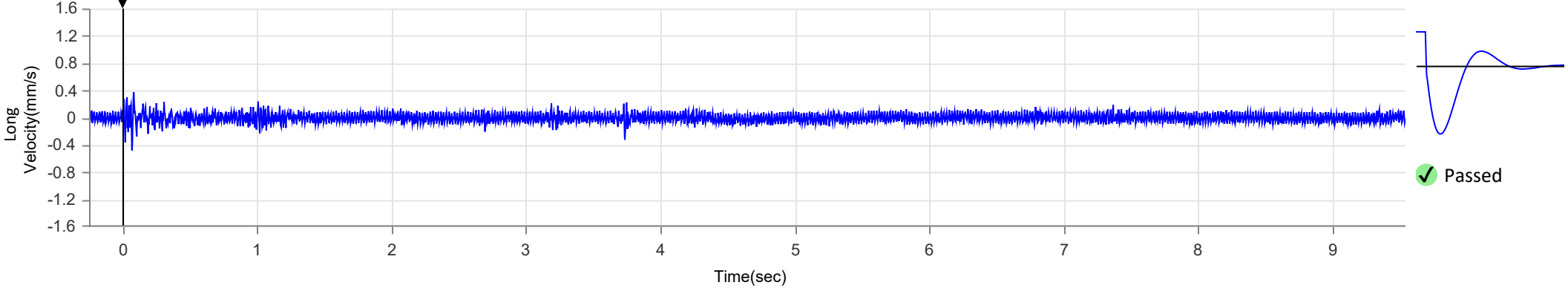
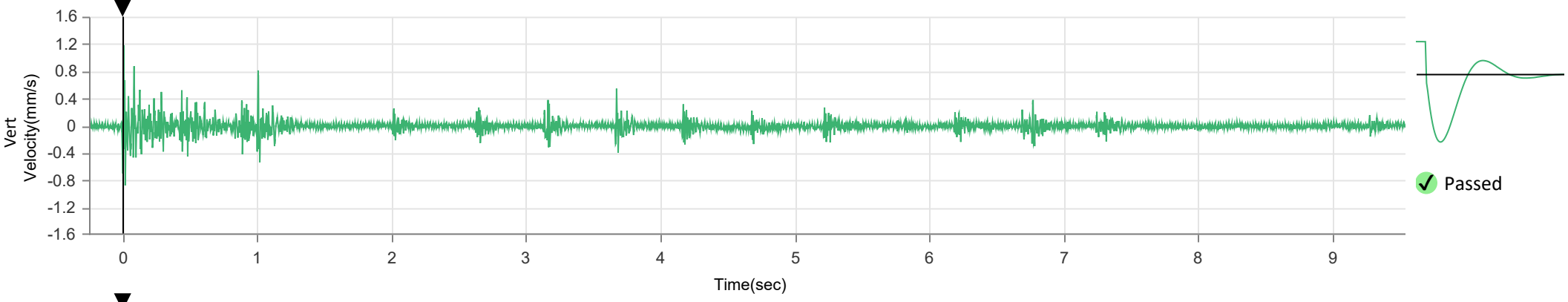
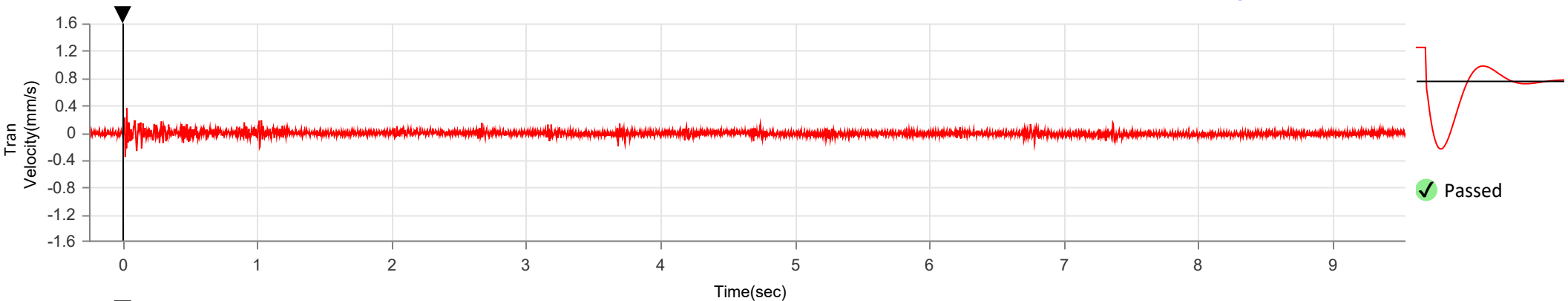
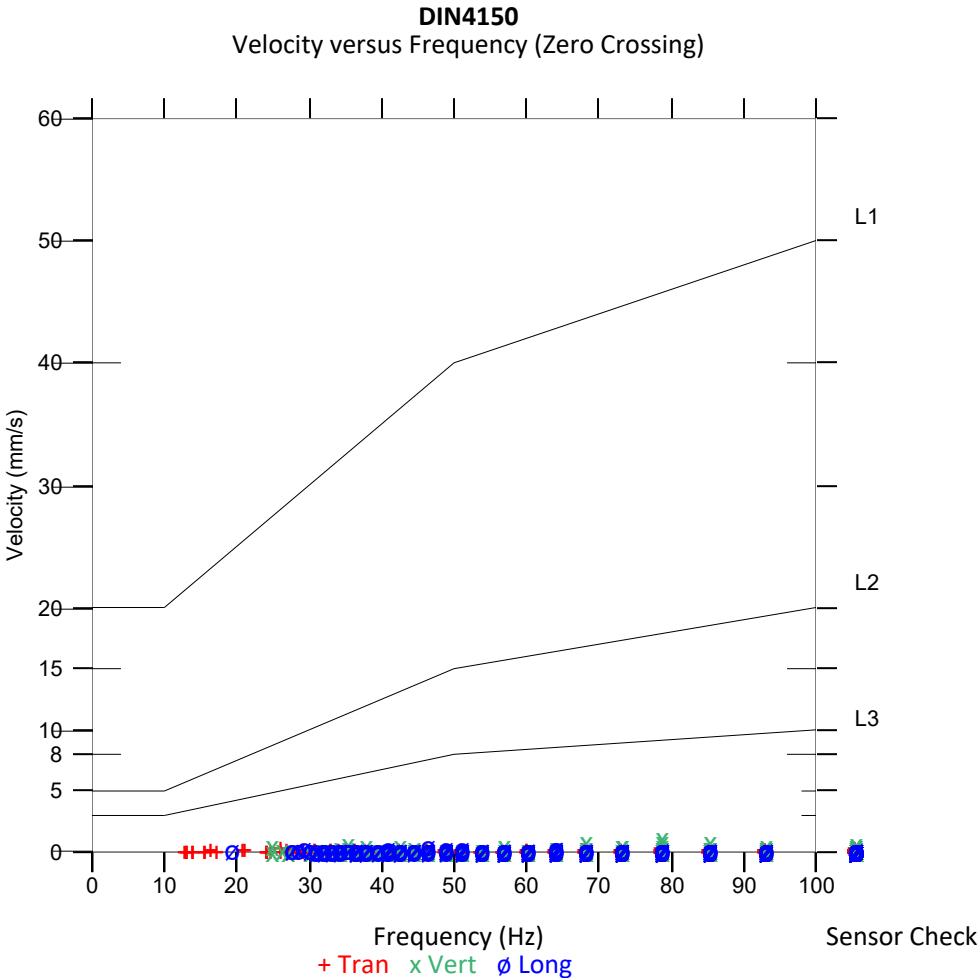
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.363 mm/s	1.182 mm/s	0.481 mm/s
>100 Hz	78.8 Hz	46.5 Hz
0.032 sec	0.008 sec	0.069 sec
0.028 g	0.061 g	0.021 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.221 mm/s at 0.008 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 01:56:57
Geo 0.500 mm/s
0.04 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221029015657.IDFW
Disabled

Notes
Location
Client
Company
General Notes

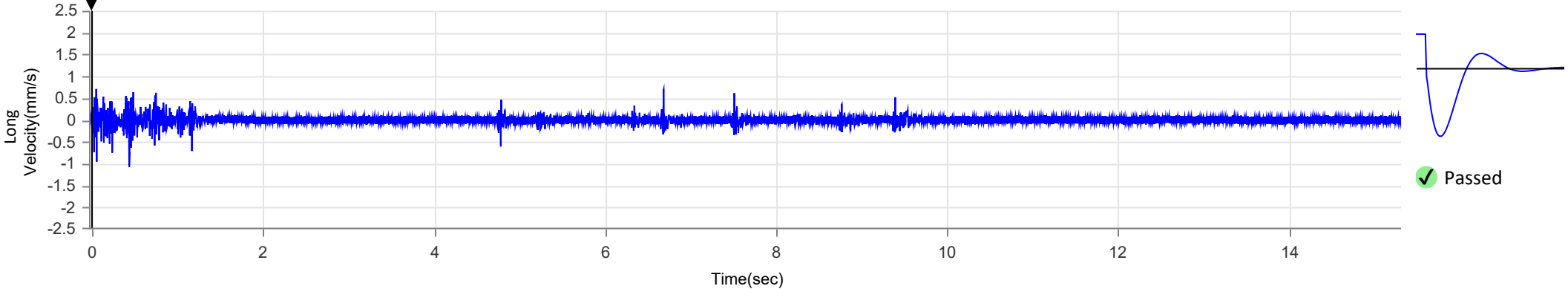
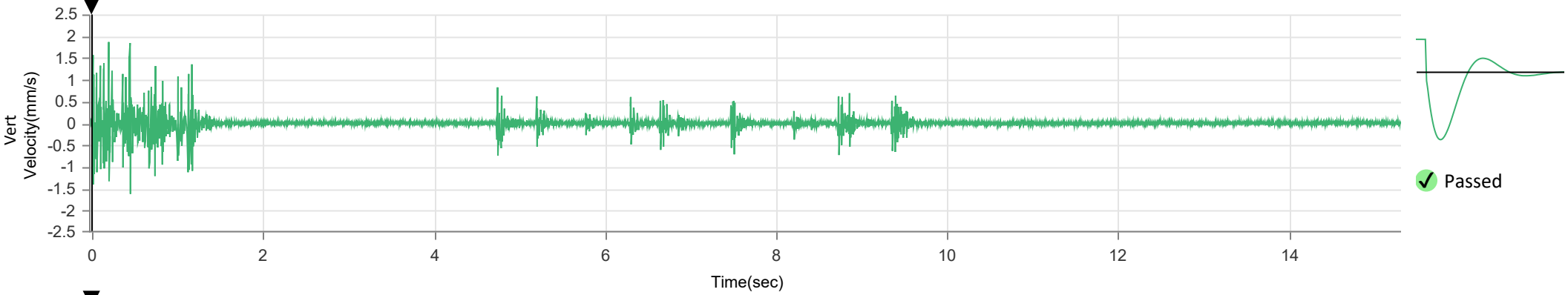
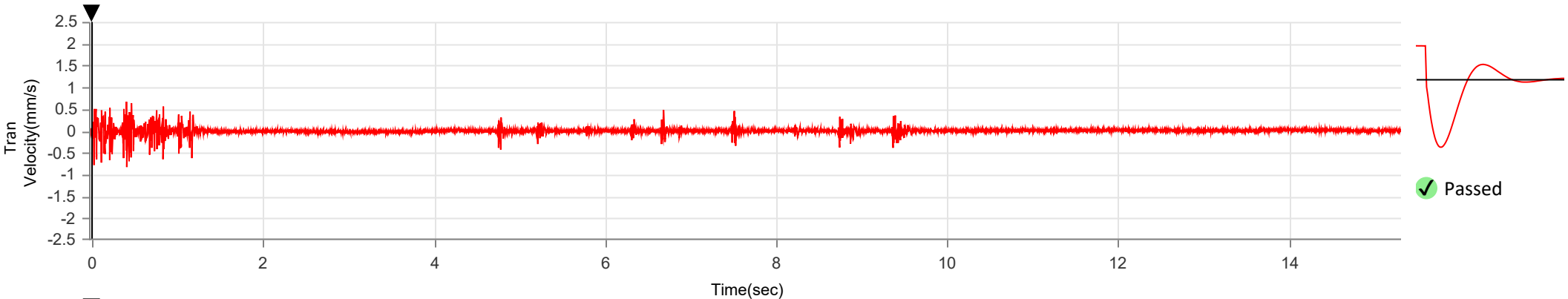
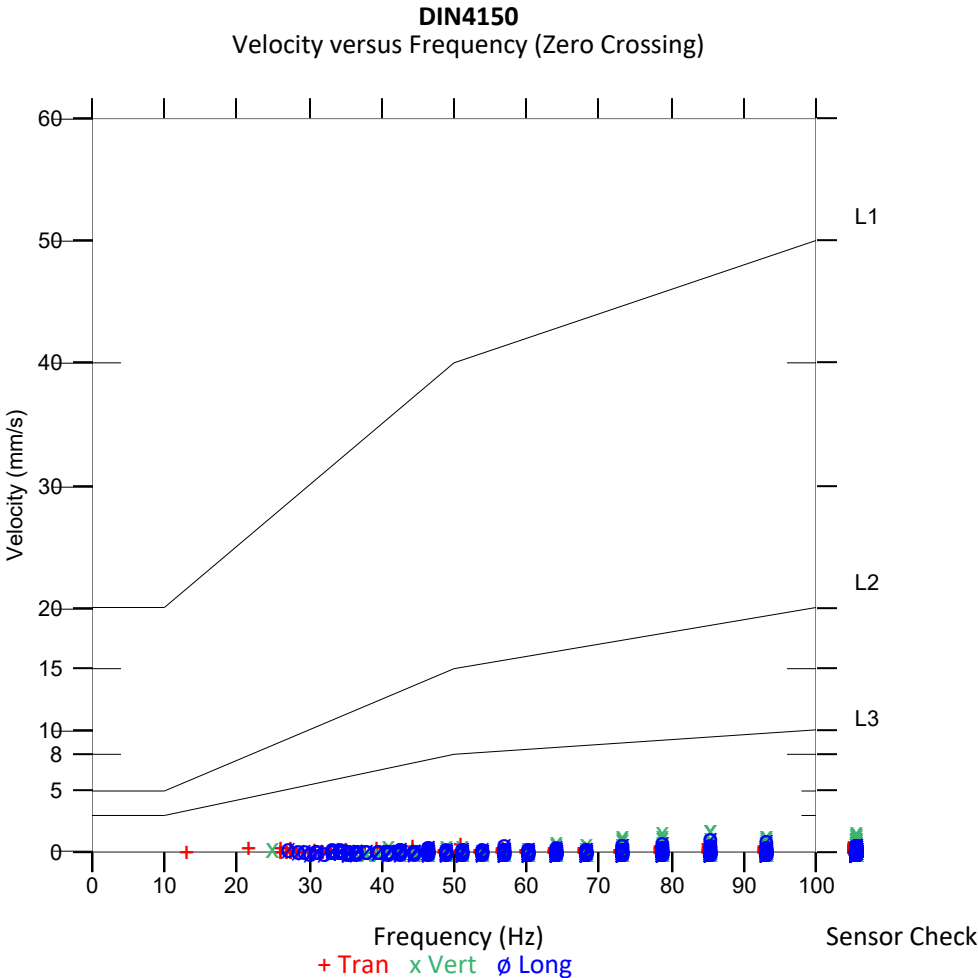
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.828 mm/s	1.868 mm/s	1.072 mm/s
>100 Hz	78.8 Hz	85.3 Hz
0.403 sec	0.191 sec	0.432 sec
0.071 g	0.155 g	0.063 g
0.001 mm	0.004 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.945 mm/s at 0.432 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 06:50:27
Geo 0.500 mm/s
0.25 sec/10.6 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221029065027.IDFW
Disabled

Notes
Location
Client
Company
General Notes

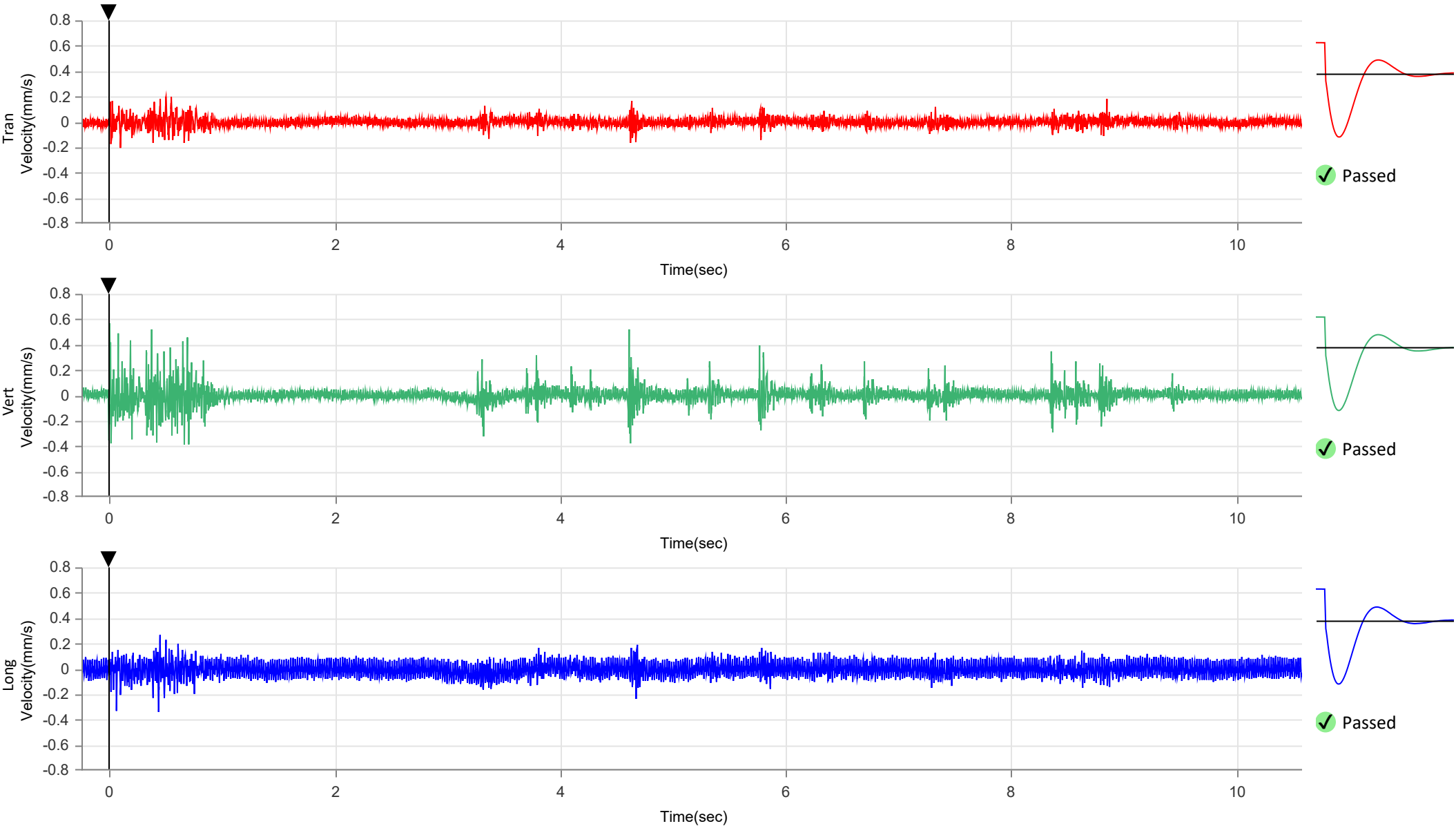
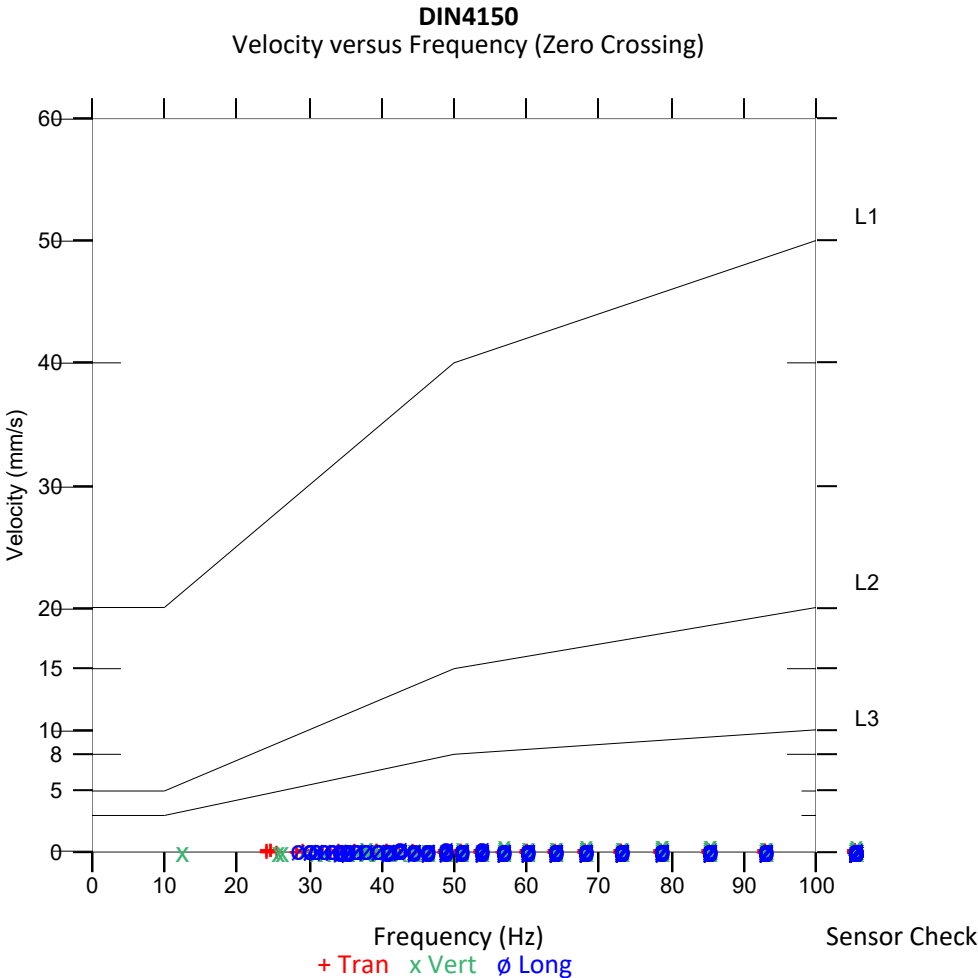
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.205 mm/s	0.567 mm/s	0.339 mm/s
25.0 Hz	78.8 Hz	42.7 Hz
0.097 sec	0.001 sec	0.435 sec
0.016 g	0.038 g	0.018 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 0.574 mm/s at 0.001 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 08:58:57
Geo 0.500 mm/s
0.25 sec/15.4 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221029085857.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

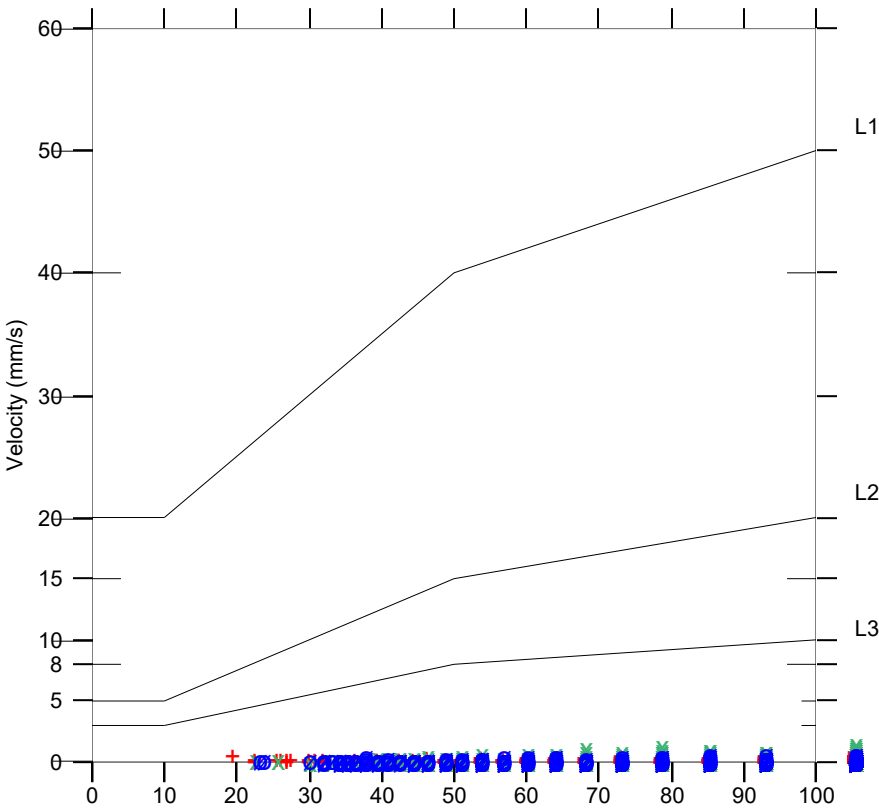
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

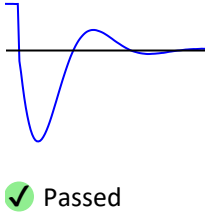
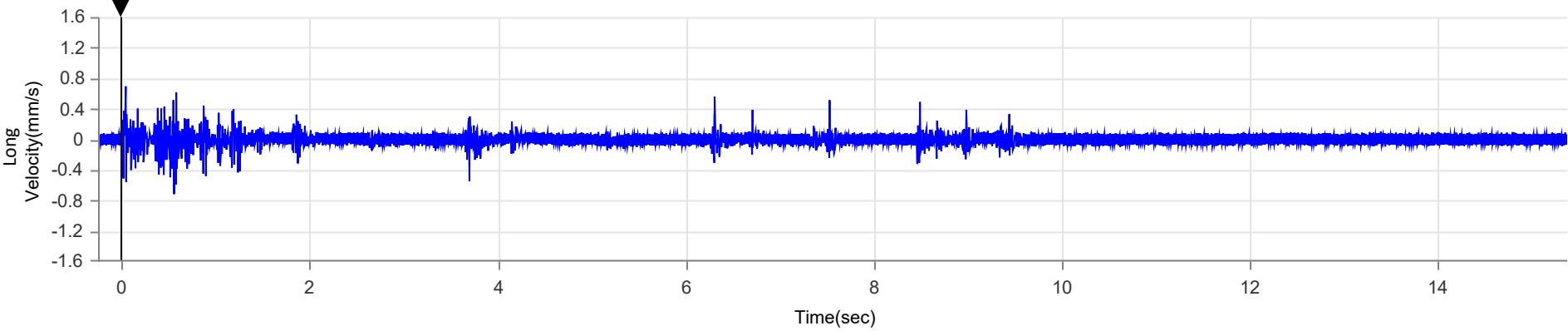
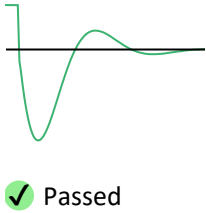
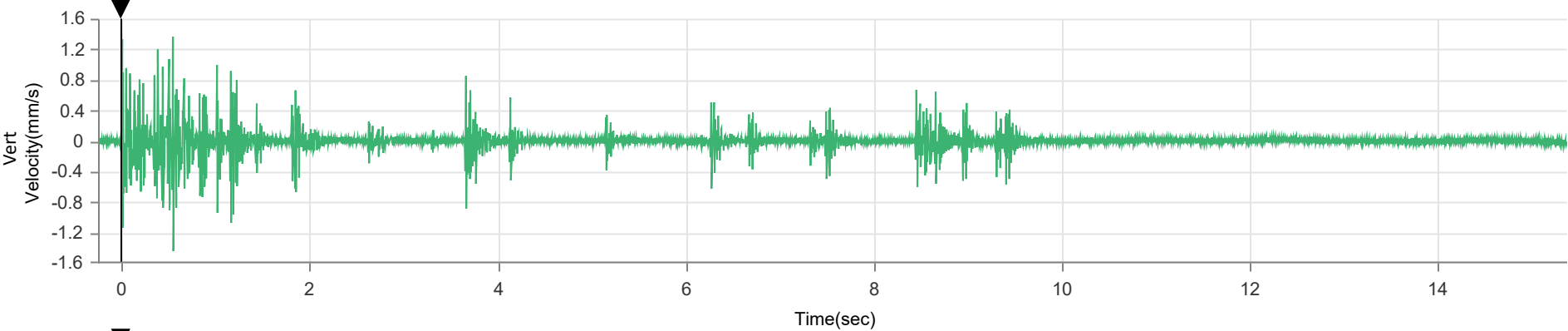
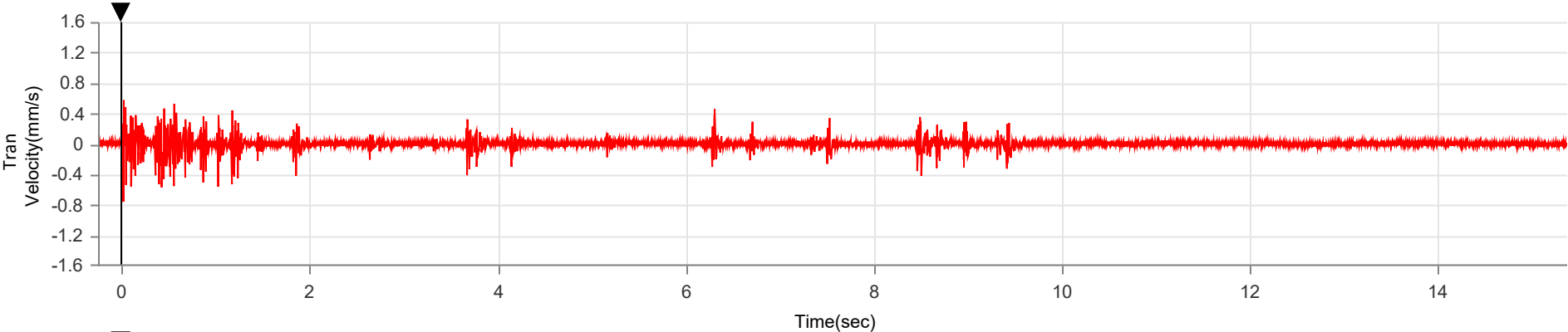
Tran	Vert	Long
0.757 mm/s	1.442 mm/s	0.717 mm/s
>100 Hz	>100 Hz	>100 Hz
0.021 sec	0.551 sec	0.559 sec
0.064 g	0.127 g	0.046 g
0.002 mm	0.003 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.527 mm/s at 0.551 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert ø Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 18:39:00
Geo 0.500 mm/s
0.25 sec/6.8 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221029183900.IDFW
Disabled

Notes
Location
Client
Company
General Notes

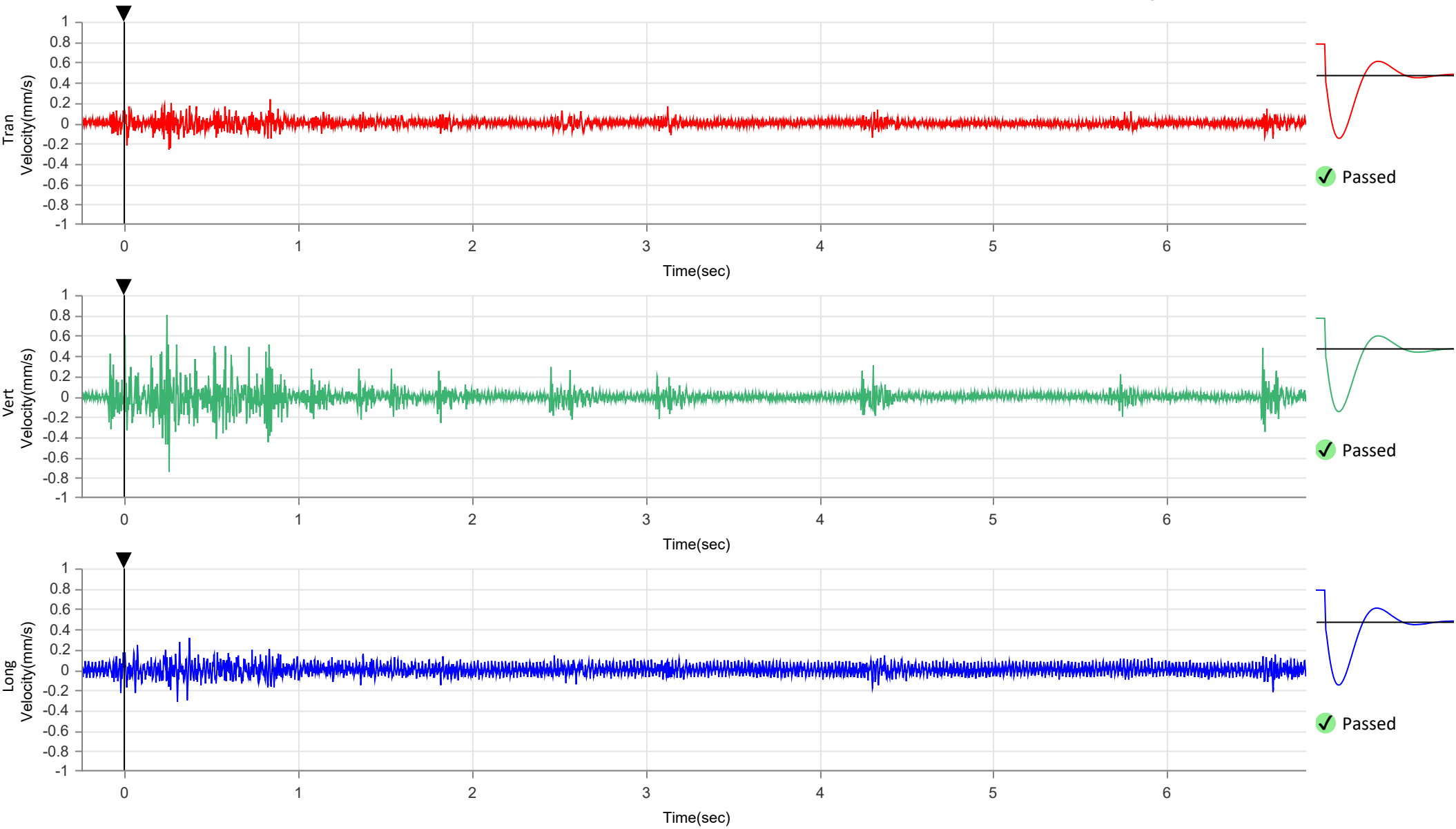
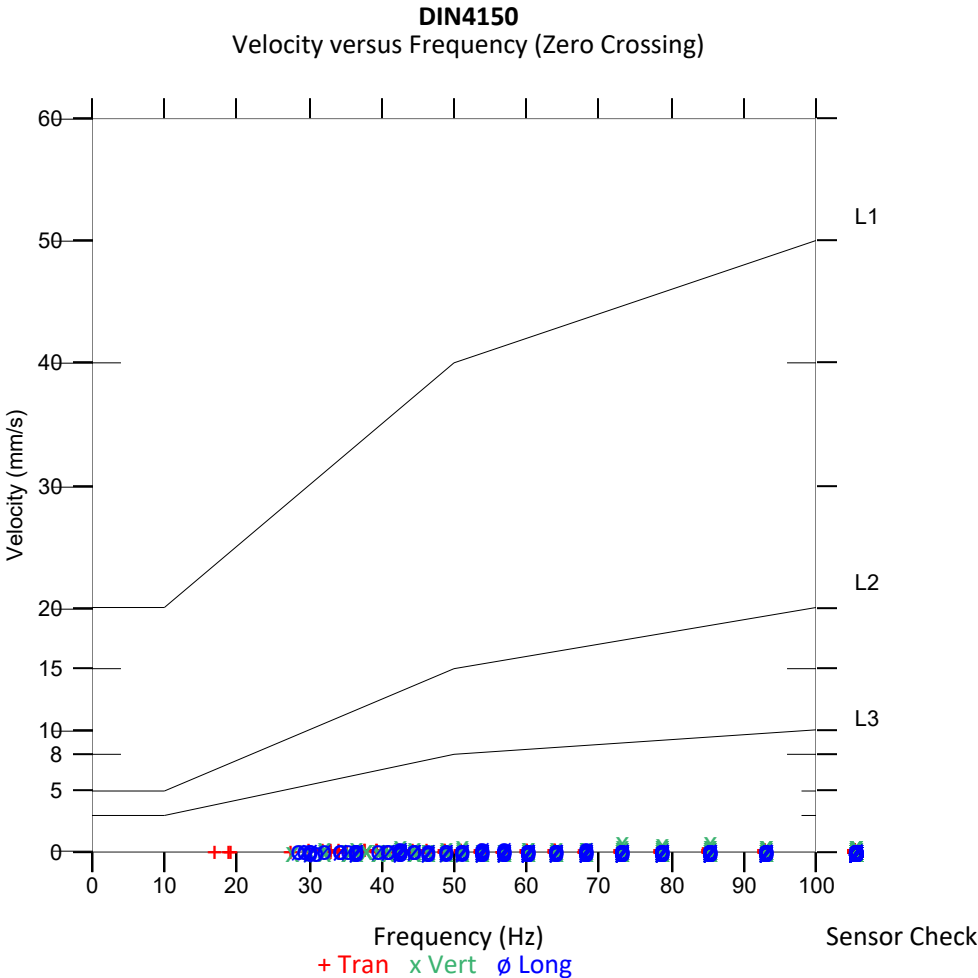
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.260 mm/s	0.804 mm/s	0.315 mm/s
85.3 Hz	73.1 Hz	53.9 Hz
0.254 sec	0.243 sec	0.303 sec
0.020 g	0.051 g	0.021 g
0.001 mm	0.002 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 0.816 mm/s at 0.243 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 29, 2022 20:54:07
Geo 0.500 mm/s
0.25 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

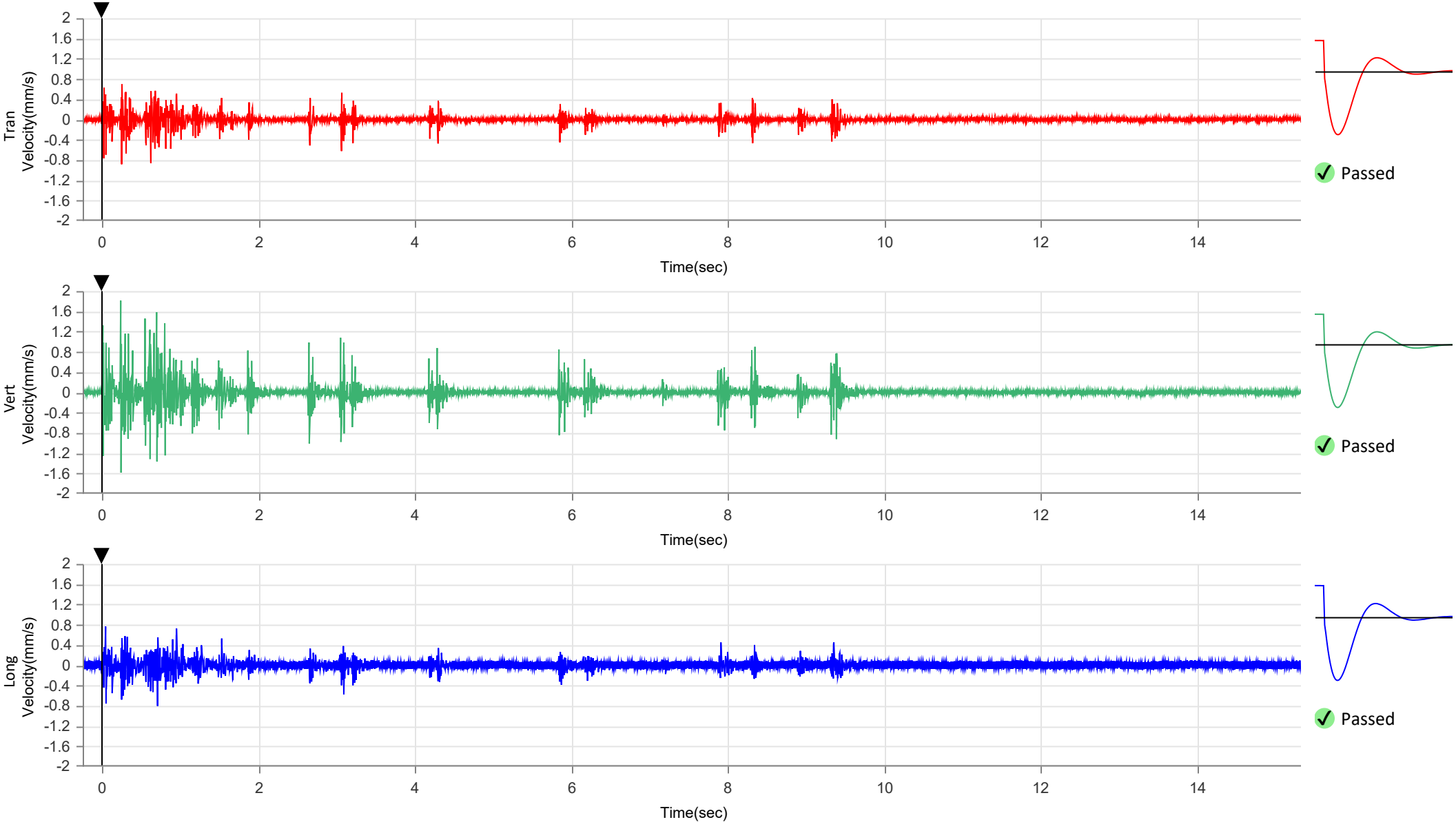
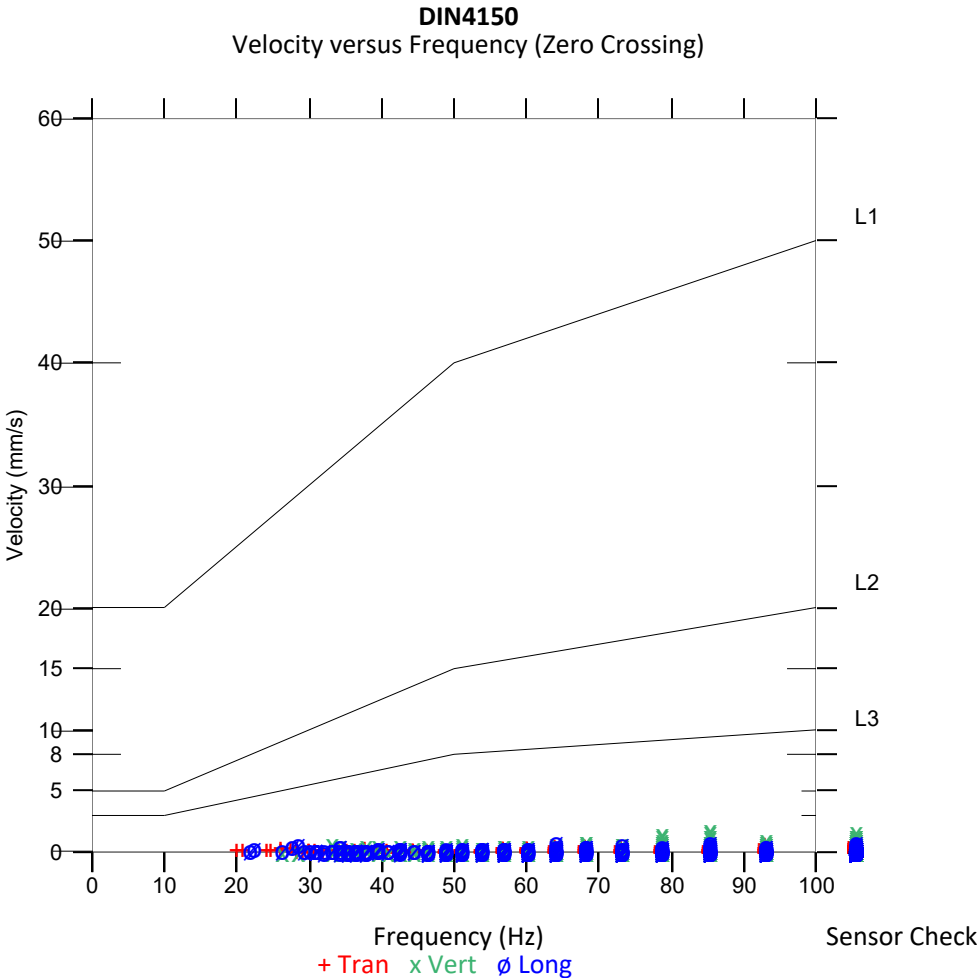
Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221029205407.IDFW
Disabled

Notes
Location MM-29, Zg. Skofije 128e
Client
Company
General Notes

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.883 mm/s	1.813 mm/s	0.804 mm/s
Zero Crossing Frequency	>100 Hz	85.3 Hz	64.0 Hz
Time (Relative to Trigger)	0.249 sec	0.237 sec	0.708 sec
Peak Acceleration	0.079 g	0.146 g	0.059 g
Peak Displacement	0.001 mm	0.003 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	1.830 mm/s at 0.237 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 04:01:42
Geo 0.500 mm/s
0.25 sec/6.2 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221030040142.IDFW
Disabled

Notes
Location
Client
Company
General Notes

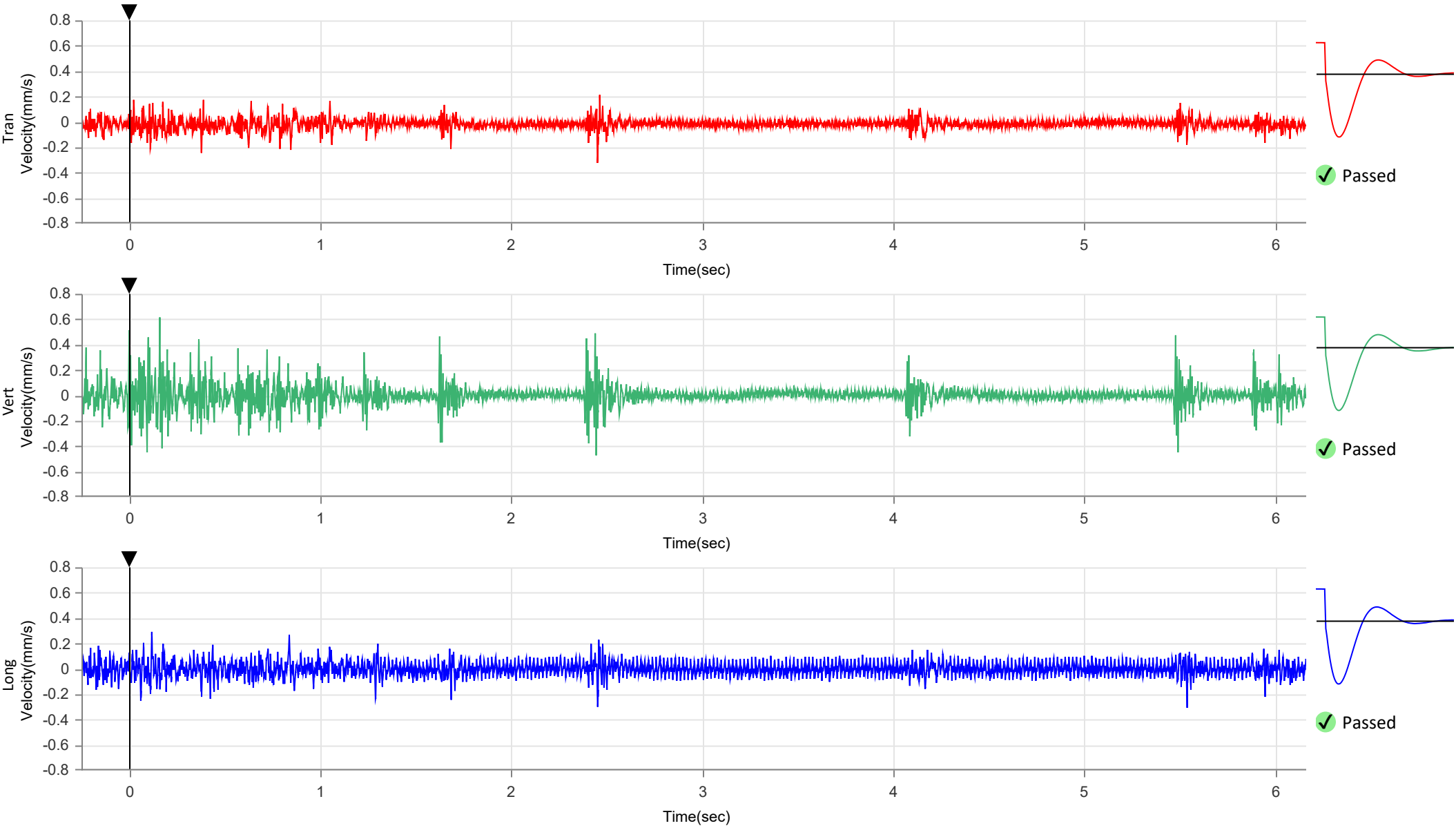
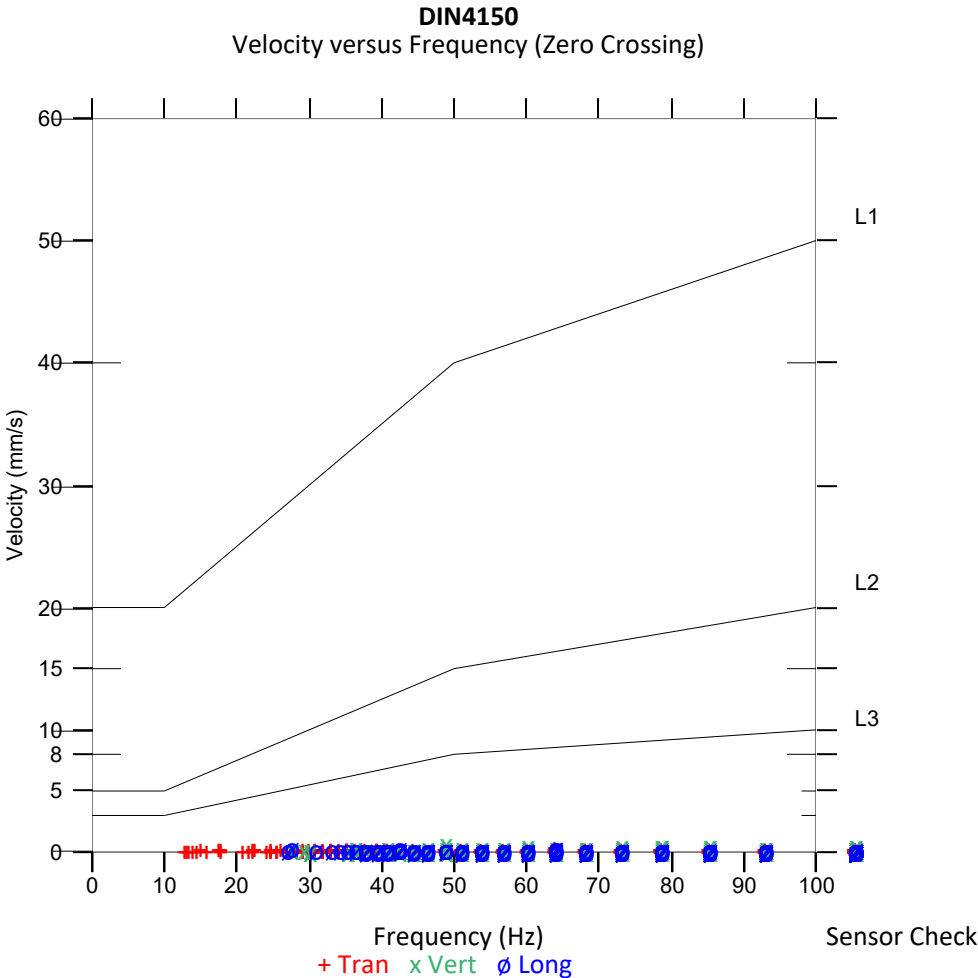
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.323 mm/s	0.615 mm/s	0.307 mm/s
64.0 Hz	46.5 Hz	64.0 Hz
2.452 sec	0.160 sec	5.538 sec
0.020 g	0.043 g	0.016 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 0.635 mm/s at 0.160 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 07:26:22
Geo 0.500 mm/s
0.25 sec/13.6 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221030072622.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

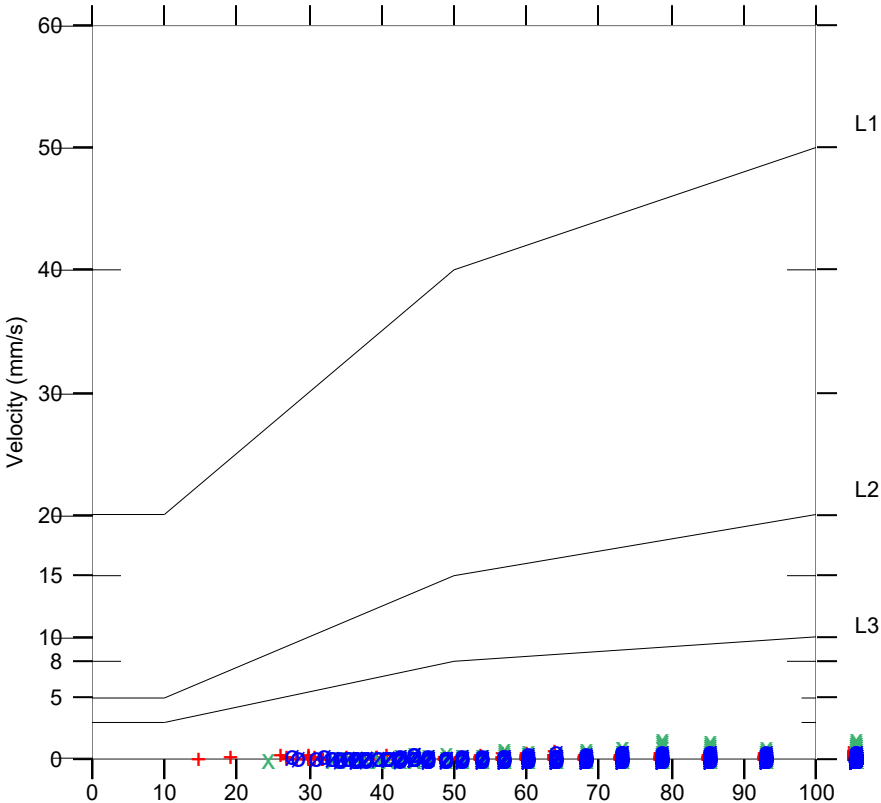
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

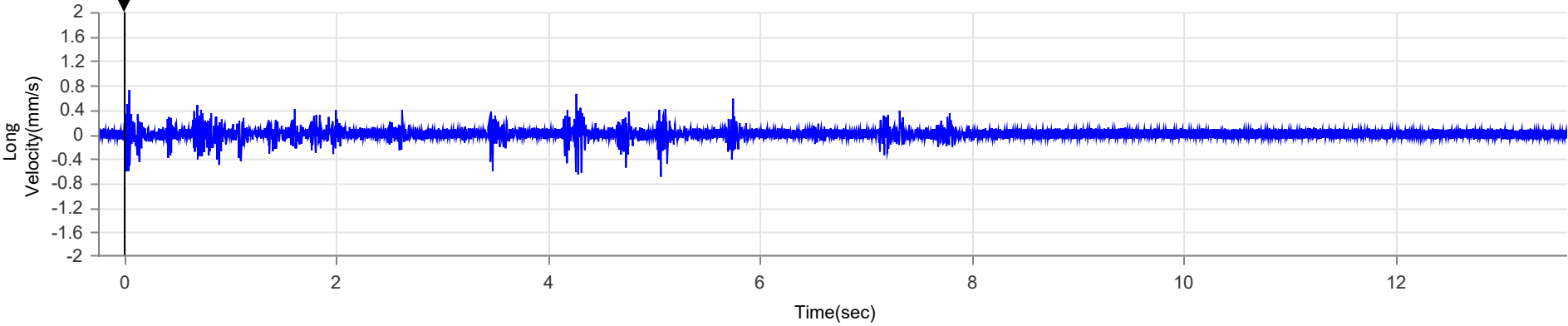
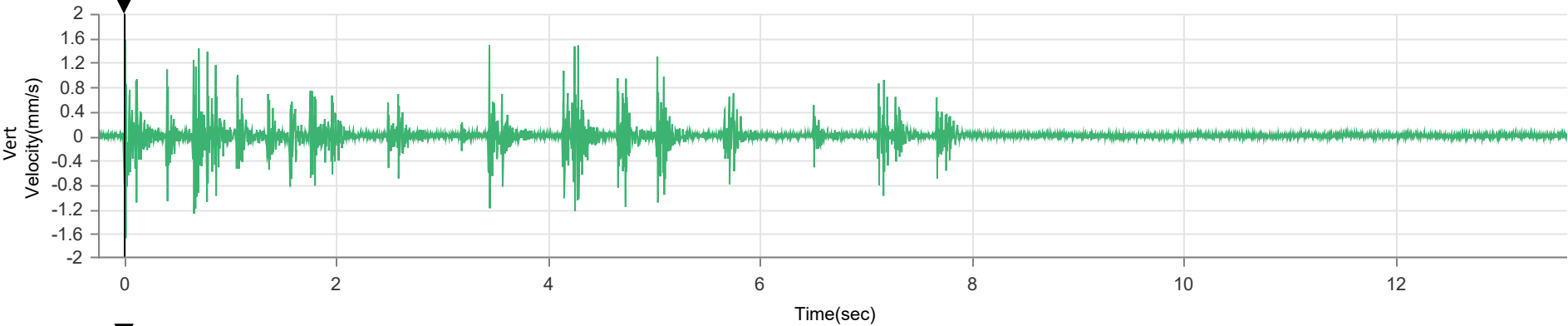
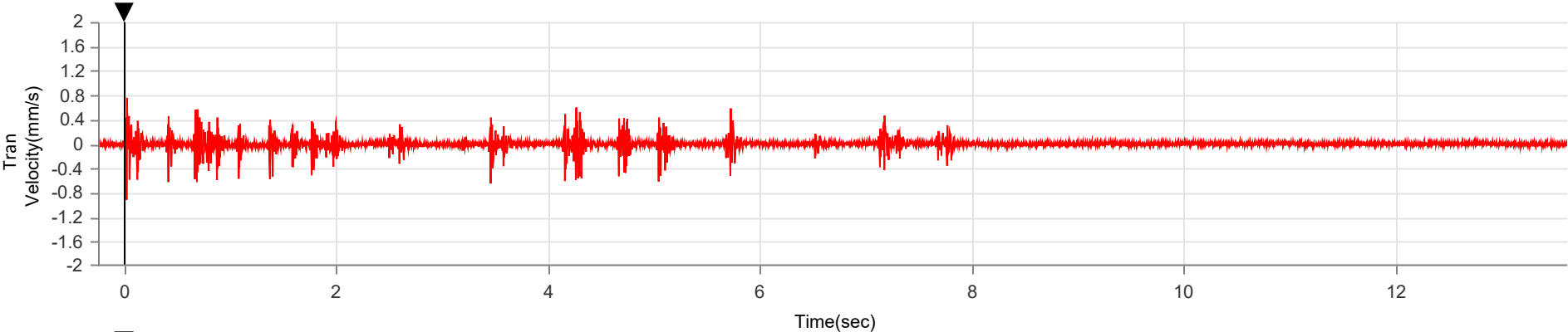
Tran	Vert	Long
0.914 mm/s	1.671 mm/s	0.725 mm/s
>100 Hz	>100 Hz	>100 Hz
0.021 sec	0.013 sec	0.045 sec
0.082 g	0.142 g	0.054 g
0.001 mm	0.003 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.5 Hz
4.3	4.8	4.4

Peak Vector Sum 1.677 mm/s at 4.284 sec

DIN4150
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert o Long
Sensor Check





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 13:50:32
Geo 0.500 mm/s
0.25 sec/9.6 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221030135032.IDFW
Disabled

Notes
Location
Client
Company
General Notes

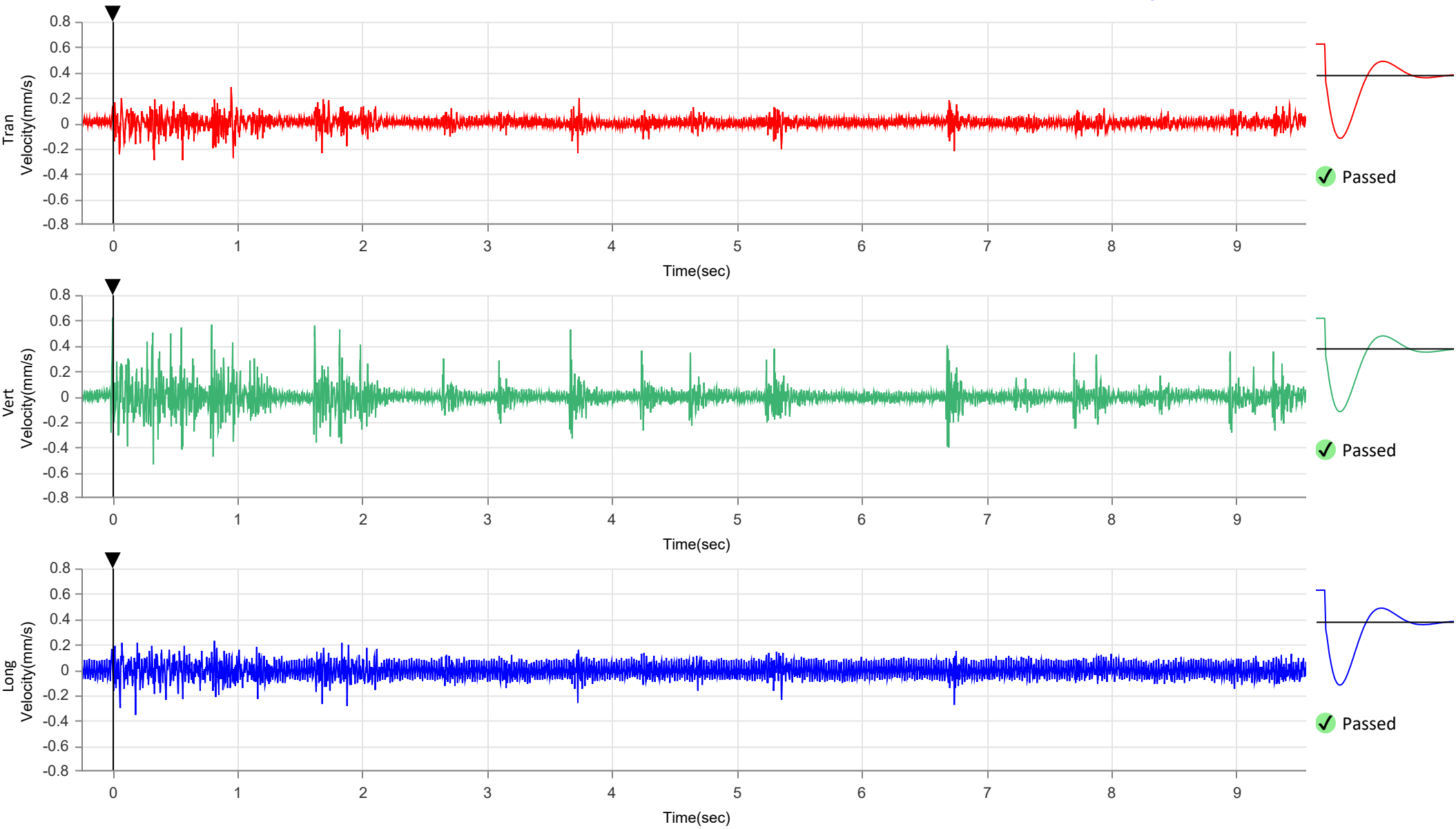
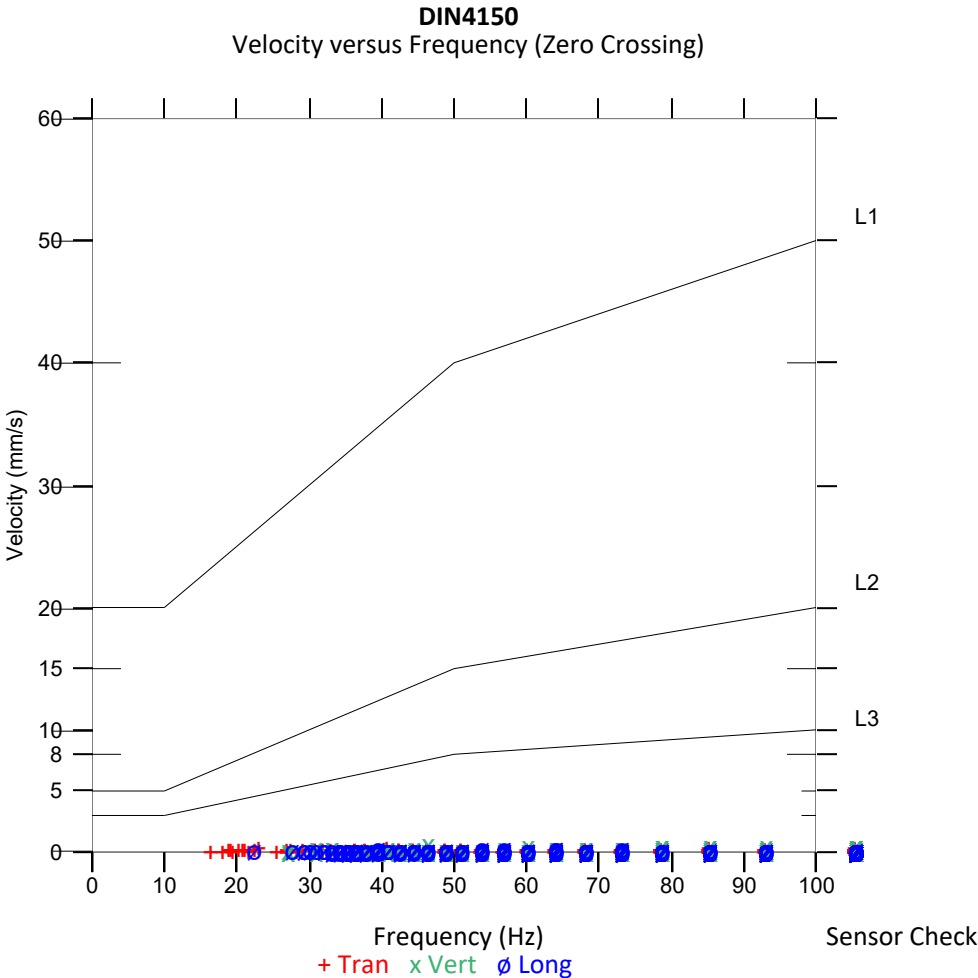
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.292 mm/s	0.623 mm/s	0.355 mm/s
>100 Hz	46.5 Hz	64.0 Hz
0.333 sec	0.001 sec	0.185 sec
0.020 g	0.039 g	0.020 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.7 Hz	6.9 Hz
4.3	4.8	4.4

Peak Vector Sum 0.635 mm/s at 0.001 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 30, 2022 17:05:05
Geo 0.500 mm/s
0.25 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221030170505.IDFW
Disabled

Notes
Location
Client
Company
General Notes

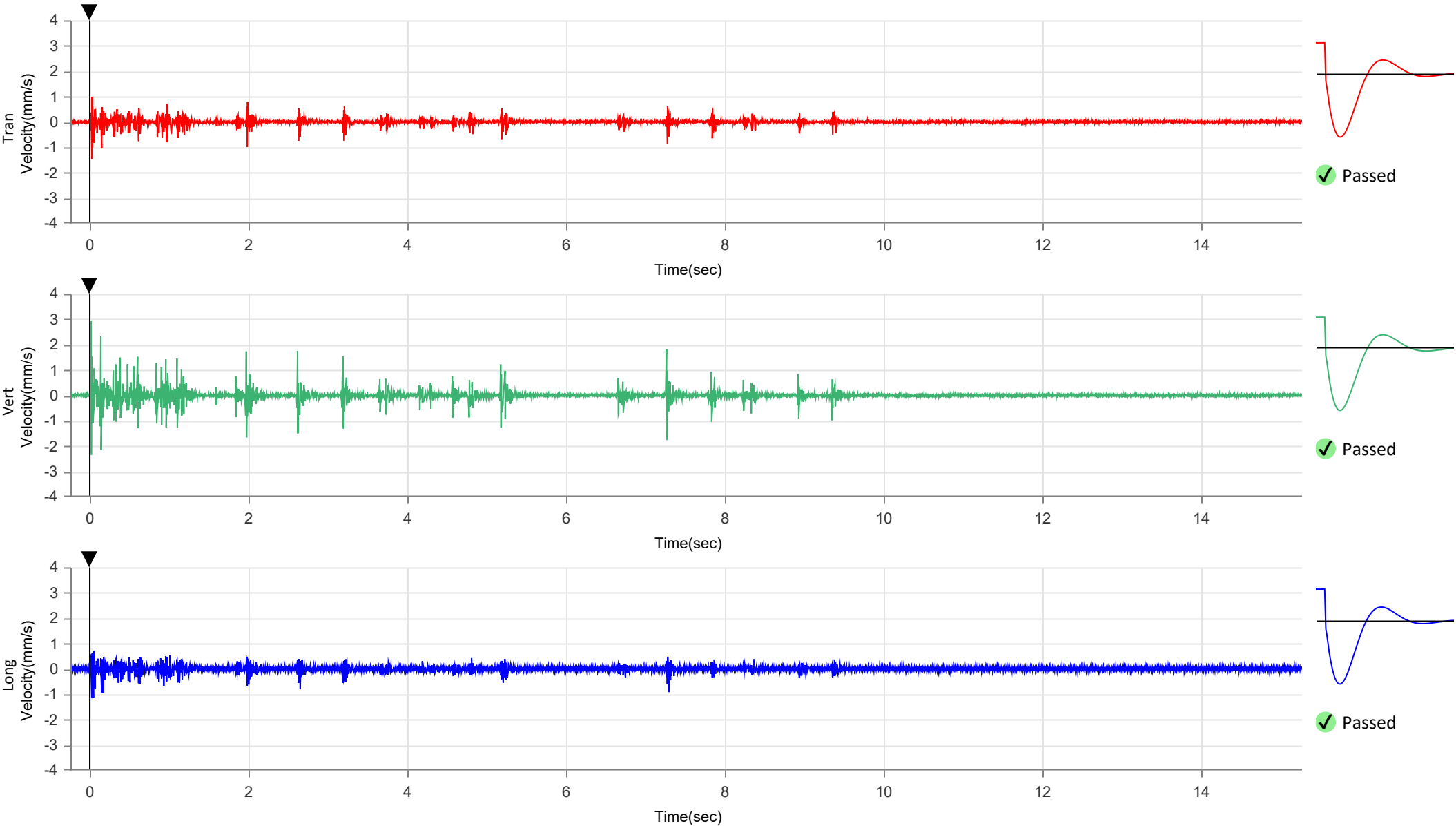
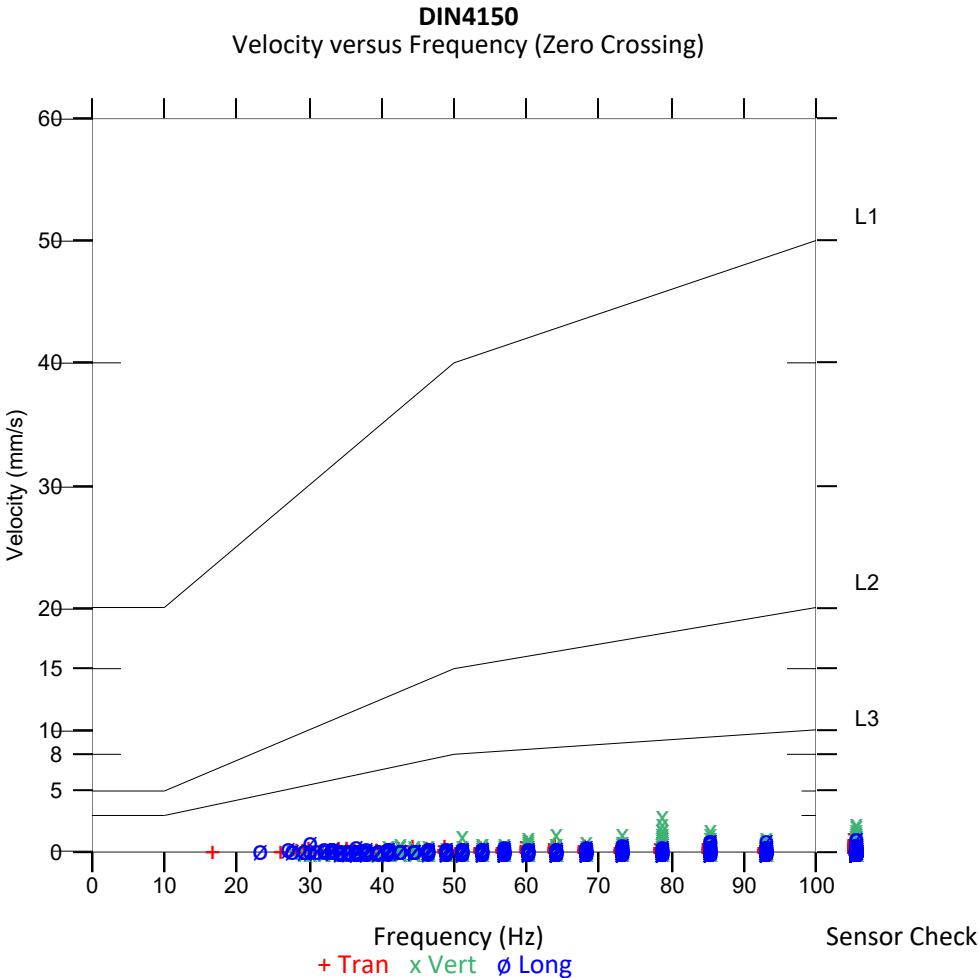
MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
1.450 mm/s	2.924 mm/s	1.159 mm/s
>100 Hz	78.8 Hz	>100 Hz
0.021 sec	0.010 sec	0.021 sec
0.123 g	0.230 g	0.074 g
0.002 mm	0.006 mm	0.002 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.7 Hz	6.9 Hz
4.3	4.8	4.4

Peak Vector Sum 2.955 mm/s at 0.010 sec





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 02:40:35
Geo 0.500 mm/s
0.25 sec/15.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

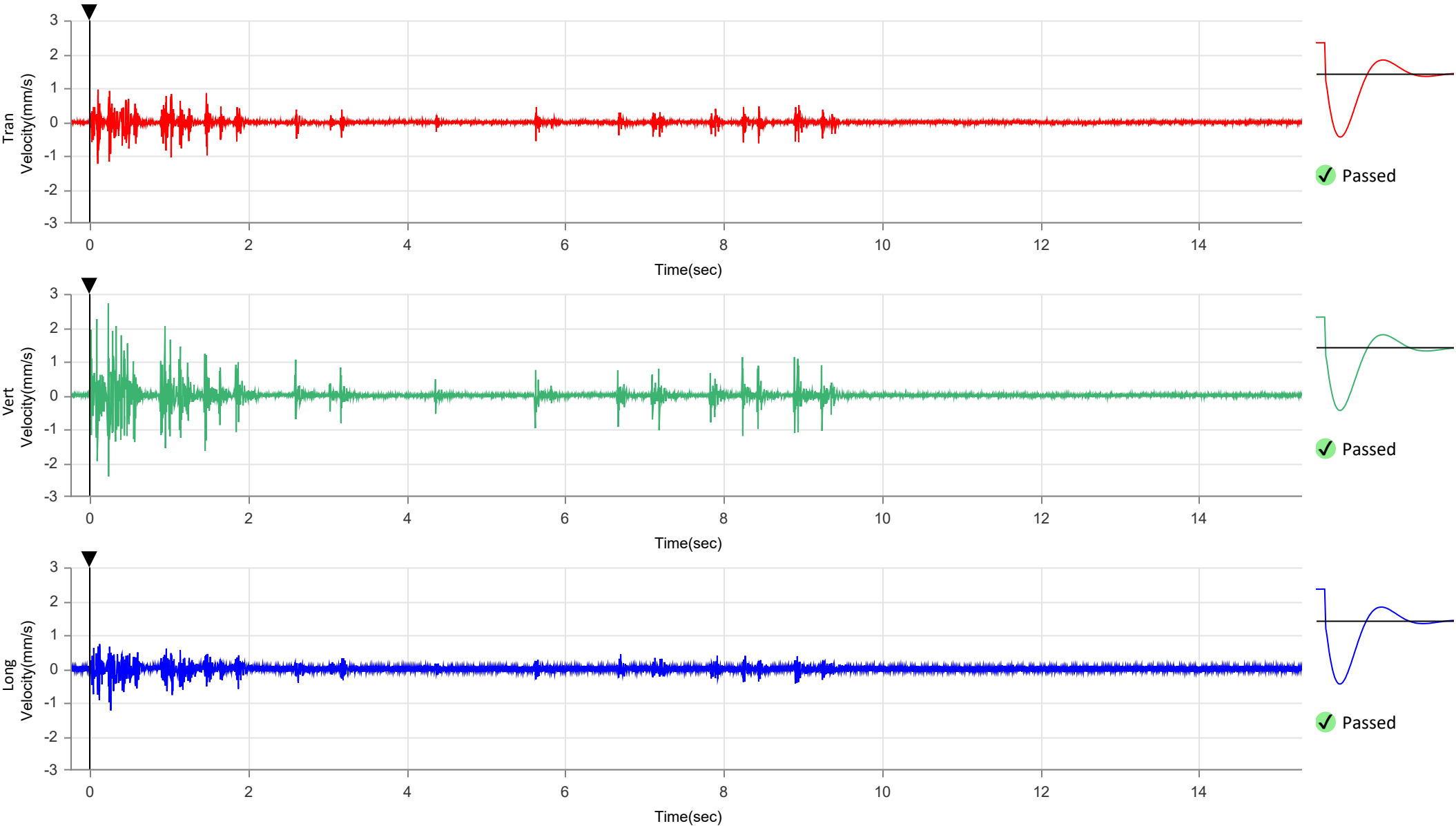
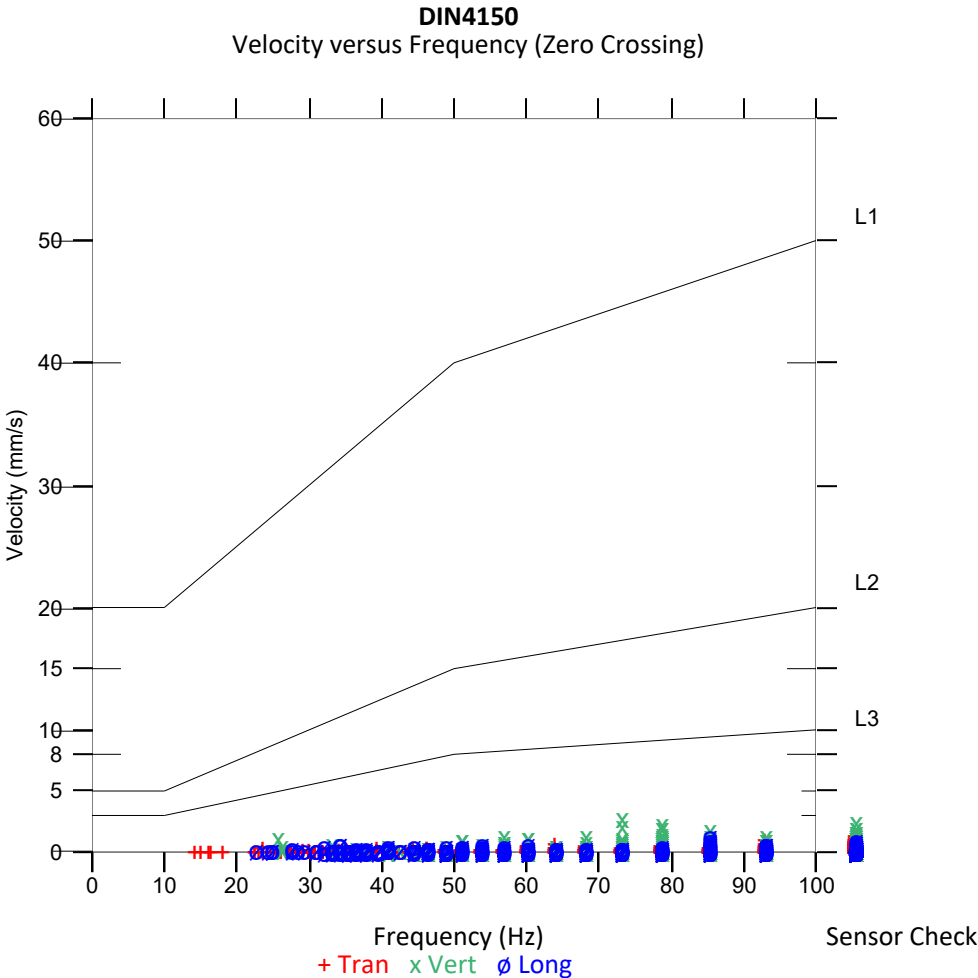
UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221031024035.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	1.237 mm/s	2.719 mm/s	1.230 mm/s
Zero Crossing Frequency	>100 Hz	73.1 Hz	85.3 Hz
Time (Relative to Trigger)	0.097 sec	0.229 sec	0.261 sec
Peak Acceleration	0.110 g	0.211 g	0.064 g
Peak Displacement	0.002 mm	0.005 mm	0.002 mm
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.7 Hz	6.7 Hz	6.9 Hz
Overswing Ratio	4.3	4.8	4.4
Peak Vector Sum	2.736 mm/s at 0.229 sec		





Waveform Trigger Source
Trigger Level(s)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at October 31, 2022 05:17:02
Geo 0.500 mm/s
0.25 sec/6.3 sec (Auto)
2048 sps
factory.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20419
Micromate DIN 10.90GC
3.8 volts
June 24, 2022 by Instantel
UM20419_20221031051702.IDFW
Disabled

Notes
Location
Client
Company
General Notes

MM-29, Zg. Skofije 128e

Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran	Vert	Long
0.315 mm/s	0.638 mm/s	0.426 mm/s
78.8 Hz	93.1 Hz	60.2 Hz
0.058 sec	0.008 sec	-0.088 sec
0.021 g	0.044 g	0.020 g
0.001 mm	0.001 mm	0.001 mm
✓ Passed	✓ Passed	✓ Passed
6.7 Hz	6.7 Hz	6.9 Hz
4.3	4.8	4.4

Peak Vector Sum 0.657 mm/s at 0.372 sec

