

R/V M.G. Langseth MGL2201
April 4 – 27, 2027, Newport OR

CASIE22
CAScadia Seismic Imaging Experiment

SENSOR
SEafloor Nodal Seismic arrays off ORegon

ROV
1200-0000
Jesse Doren
Tym Catterson
Erik Hodges

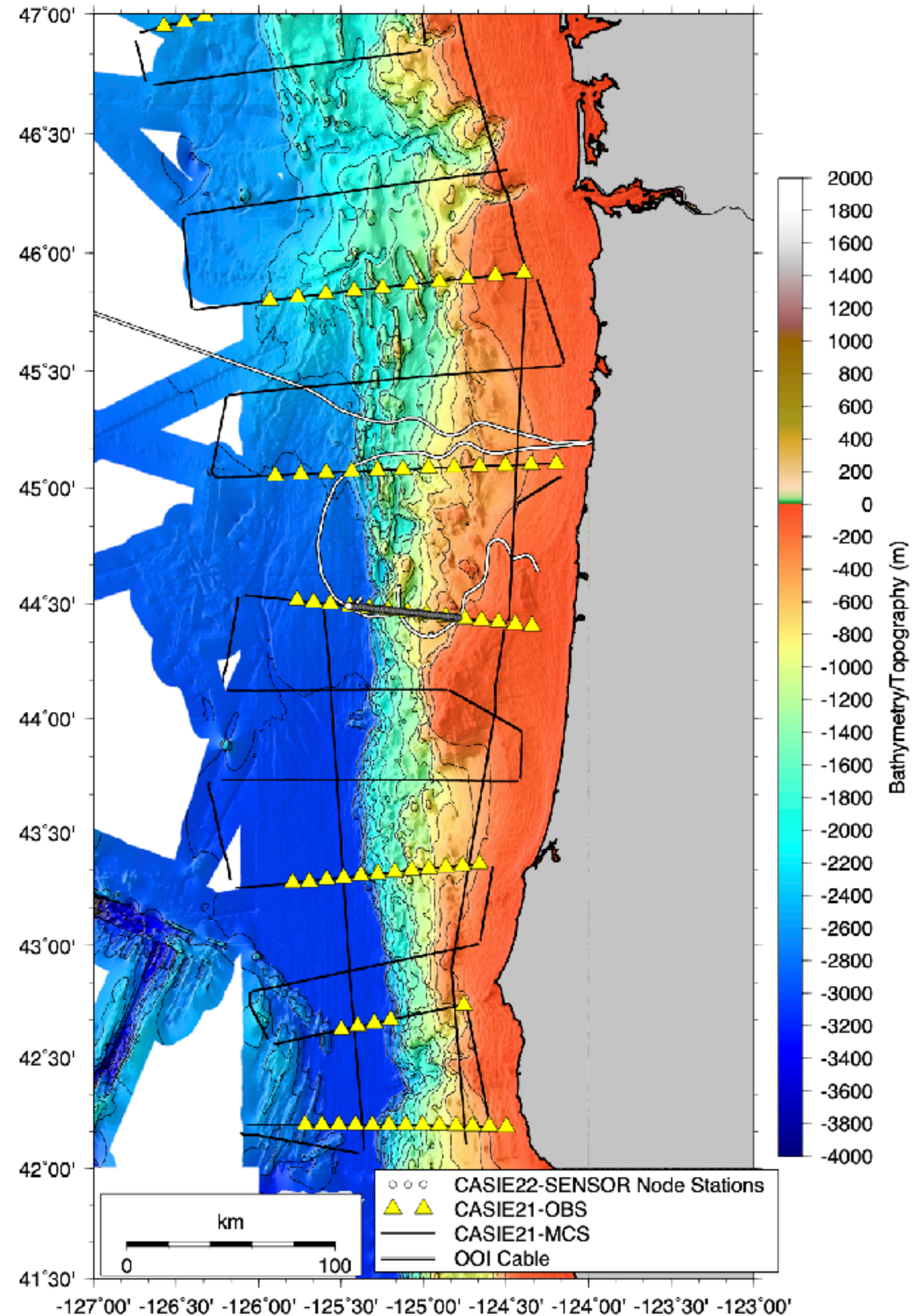
Science
Dan Lizarralde
Bailey Fluegel

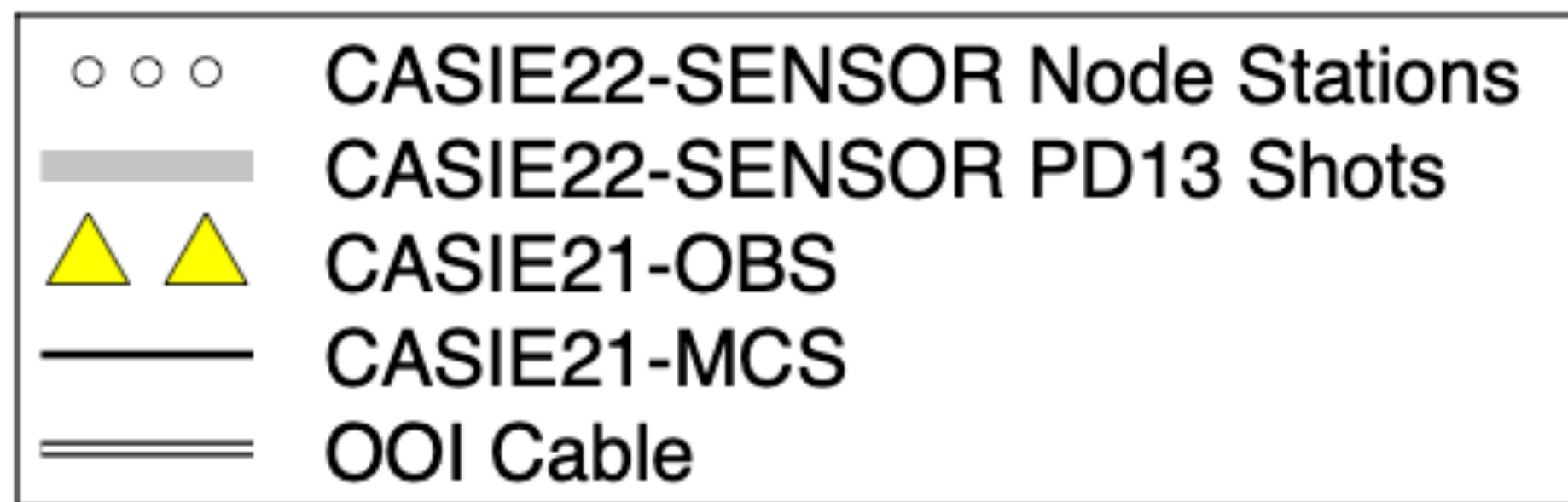
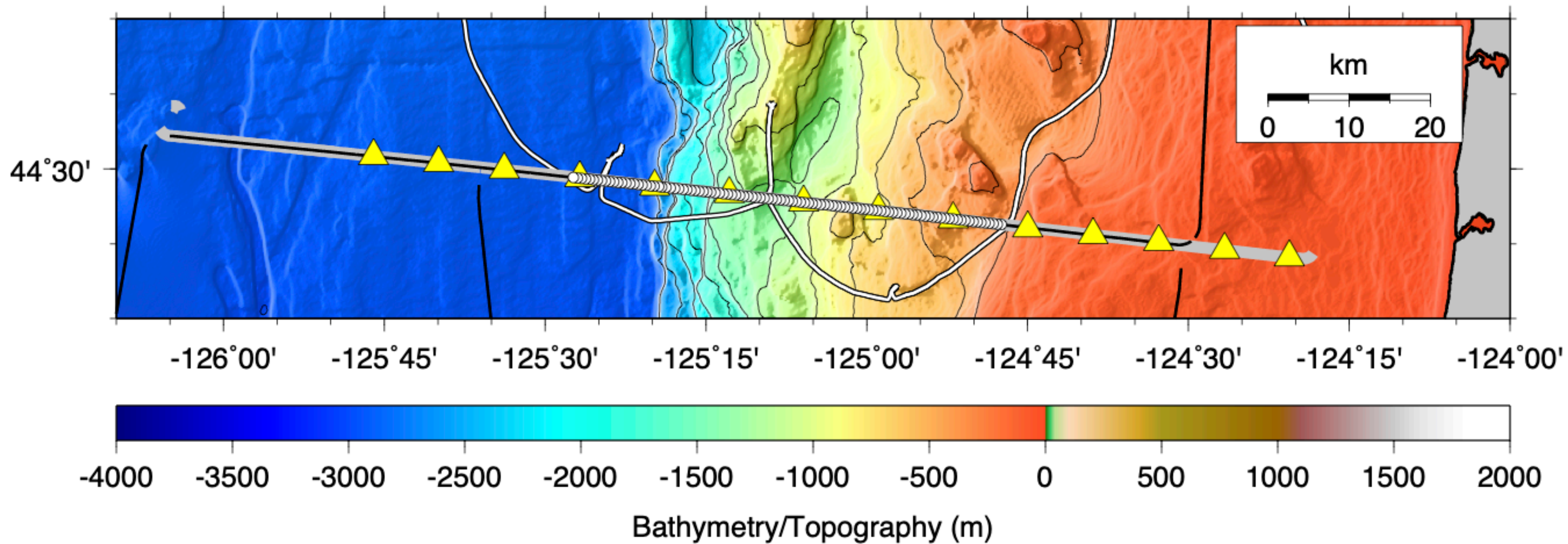
0000-1200
Paul Sanacore
Rudy Schlepp
Kevin Vezzani

J. Pablo Canales
Hanchao Jian

Survey
1200-0000 George Loy
0000-1200 Albert Genter

Node deployment: April 9-16
Airgun Activities: April 16-18
Node Recoveries: April 18-24





Node Deployments

Dive #	Start Date Time [UTC]	Start Lat (dec. degrees)	Start Long (dec. degrees)	Start Depth (m)	End Date Time [UTC]	End Lat (dec. degrees)	End Long (dec. degrees)	End Depth (m)	Duration [hours]	# of Nodes Carried	OBX Station #s
2	Wed 13 Apr 2022 01:03:36 +0000	44.490807	-125.455637	2903	Wed 13 Apr 2022 12:23:16 +0000	44.487378	-125.418545	2905.3	11.3	7	280-286
3	Wed 13 Apr 2022 13:00:21 +0000	44.487003	-125.411975	2909.7	Wed 13 Apr 2022 22:03:01 +0000	44.48403	-125.374053	2907	9.1	7	273-279
4	Wed 13 Apr 2022 22:36:12 +0000	44.483637	-125.3678	2906	Thu 14 Apr 2022 08:23:01 +0000	44.480178	-125.32356	2609.5	10.8	8	265-272
5	Thu 14 Apr 2022 08:47:54 +0000	44.479832	-125.318452	2676.5	Thu 14 Apr 2022 18:00:00 +0000	44.476878	-125.2736	1979.9	10.2	8	257-264
6	Thu 14 Apr 2022 19:04:08 +0000	44.475827	-125.266603	1928.8	Fri 15 Apr 2022 01:58:10 +0000	44.472505	-125.22234	1454.8	6.9	8	249-256
7	Fri 15 Apr 2022 02:21:50 +0000	44.471972	-125.216048	1411.9	Fri 15 Apr 2022 09:24:10 +0000	44.468053	-125.165492	1280.7	7.1	9	240-248
8	Fri 15 Apr 2022 09:46:09 +0000	44.467548	-125.159187	1286.4	Fri 15 Apr 2022 16:25:17 +0000	44.463622	-125.1091	1226.6	7.7	9	231-239
9	Fri 15 Apr 2022 16:56:16 +0000	44.463122	-125.102862	1201.8	Fri 15 Apr 2022 22:29:50 +0000	44.459168	-125.052903	832.2	6.6	9	222-230
10	Fri 15 Apr 2022 22:52:03 +0000	44.458683	-125.046675	785.3	Sat 16 Apr 2022 04:40:16 +0000	44.45478	-124.9967	867.7	6.8	9	213-221
11	Sat 16 Apr 2022 05:08:32 +0000	44.45424	-124.990457	849	Sat 16 Apr 2022 10:08:04 +0000	44.45025	-124.94051	562	5	9	204-212
12	Sat 16 Apr 2022 10:41:46 +0000	44.449587	-124.934937	560.7	Sat 16 Apr 2022 15:16:00 +0000	44.445468	-124.884545	382.3	5.6	9	195-203
13	Sat 16 Apr 2022 15:41:20 +0000	44.445045	-124.878103	364.3	Sat 16 Apr 2022 19:22:00 +0000	44.441033	-124.828188	360.3	4.7	9	186-194
14	Sat 16 Apr 2022 19:45:08 +0000	44.440538	-124.821938	355.1	Sat 16 Apr 2022 23:08:30 +0000	44.438093	-124.790715	315.8	4.4	6	180-185

Node Recoveries

Dive #	Start Date Time [UTC]	Start Lat (dec. degrees)	Start Long (dec. degrees)	Start Depth (m)	End Date Time [UTC]	End Lat (dec. degrees)	End Long (dec. degrees)	End Depth (m)	Duration [hours]	# of Nodes Carried	OBX Station #s
15	Mon 18 Apr 2022 20:47:02 +0000	44.490327	-125.455935	2902.6	Tue 19 Apr 2022 09:20:00 +0000	44.48712	-125.409395	2910.7	12.5	8	279-286
16	Tue 19 Apr 2022 09:50:07 +0000	44.486862	-125.405775	2908.1	Tue 19 Apr 2022 19:44:02 +0000	44.482818	-125.35578	2906.8	9.9	9	270-278
17	Tue 19 Apr 2022 20:14:49 +0000	44.482372	-125.349283	2903.2	Wed 20 Apr 2022 07:43:04 +0000	44.478118	-125.292122	2112.4	11.5	10	260-269
18	ABORTED	ABORTED	ABORTED	ABORTED	ABORTED	ABORTED	ABORTED	ABORTED	ABORTED	ABORTED	ABORTED
19	Fri 22 Apr 2022 08:00:59 +0000	44.477918	-125.285978	2047.3	Fri 22 Apr 2022 16:30:48 +0000	44.473033	-125.229352	1593.9	8.5	9	251-259
20	Fri 22 Apr 2022 17:26:11 +0000	44.473053	-125.229388	1513.4	Sat 23 Apr 2022 01:02:35 +0000	44.4691	-125.178025	1251.1	7.6	9	242-250
21	Sat 23 Apr 2022 01:34:20 +0000	44.468578	-125.17171	1265	Sat 23 Apr 2022 08:29:12 +0000	44.464443	-125.1198	1285.2	6.9	9	233-241
22	Sat 23 Apr 2022 09:03:48 +0000	44.463973	-125.115468	1248.9	Sat 23 Apr 2022 14:22:23 +0000	44.460095	-125.064365	907.7	5.3	9	224-232
23	Sat 23 Apr 2022 15:00:09 +0000	44.46001	-125.059308	873.7	Sat 23 Apr 2022 19:52:07 +0000	44.455692	-125.009787	818.5	4.9	9	215-223
24	Sat 23 Apr 2022 20:19:19 +0000	44.455273	-125.003685	879.4	Sun 24 Apr 2022 01:25:04 +0000	44.45122	-124.953573	643.6	5.1	9	206-214
25	Sun 24 Apr 2022 01:49:29 +0000	44.450757	-124.947338	578.1	Sun 24 Apr 2022 06:08:04 +0000	44.446745	-124.897607	392	4.3	9	197-205
26	Sun 24 Apr 2022 06:32:53 +0000	44.446233	-124.891215	394.9	Sun 24 Apr 2022 10:16:54 +0000	44.44214	-124.841098	373.9	3.7	9	188-196
27	Sun 24 Apr 2022 10:42:47 +0000	44.441618	-124.835068	367	Sun 24 Apr 2022 13:47:42 +0000	44.438105	-124.791408	316.6	3.1	8	180-187

Figure 1

File Edit View Insert Tools Desktop Window Help

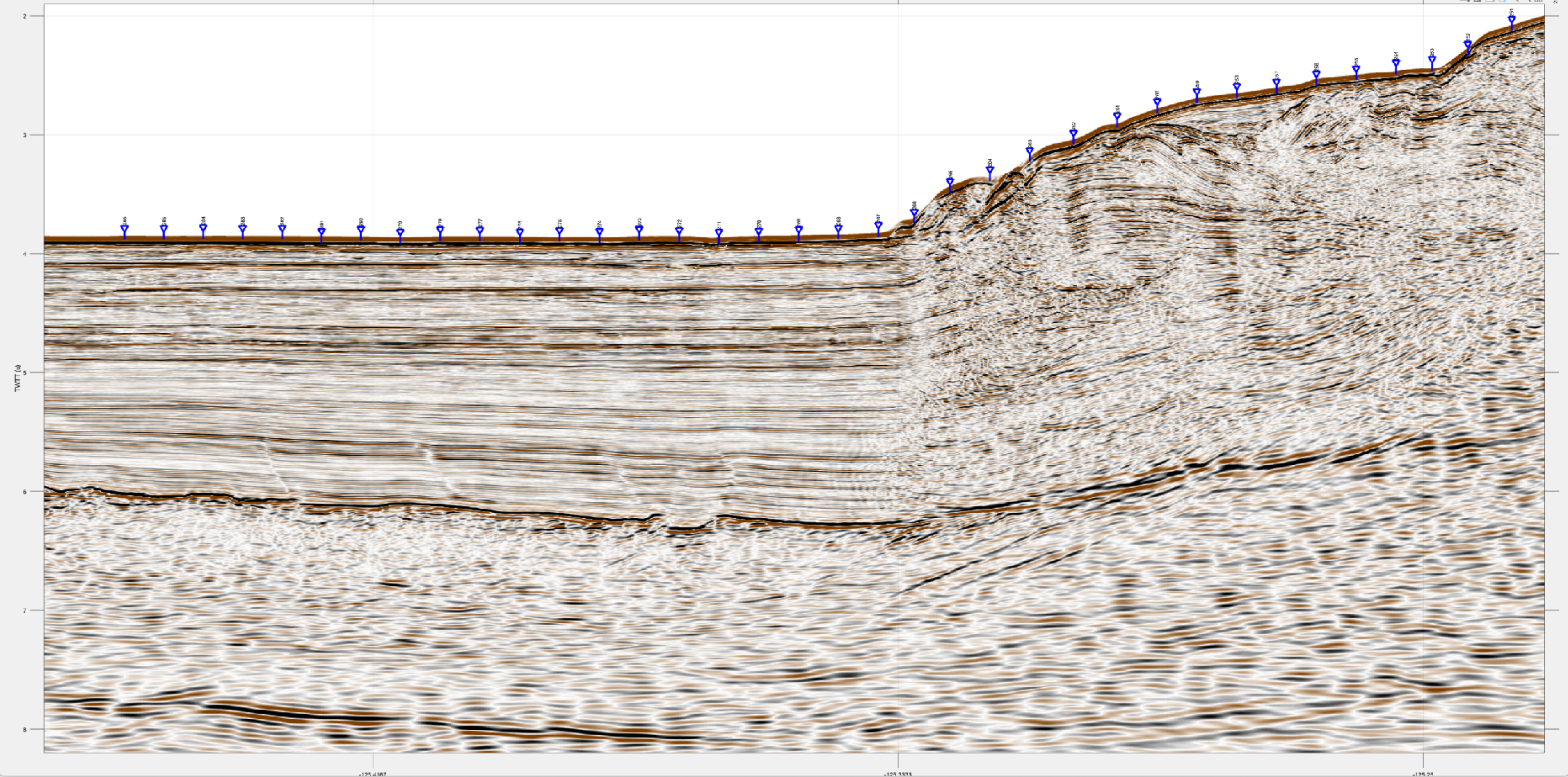
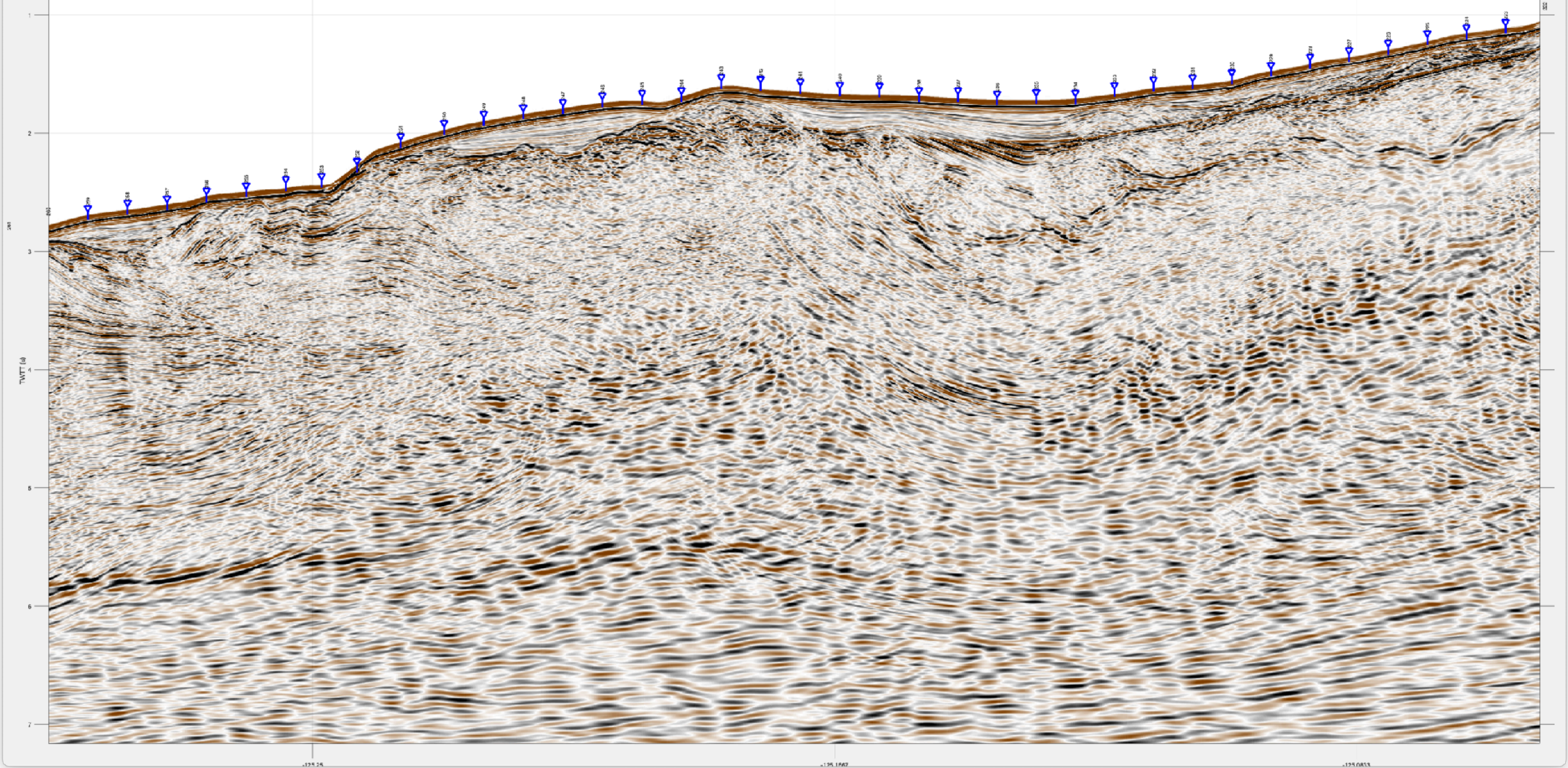
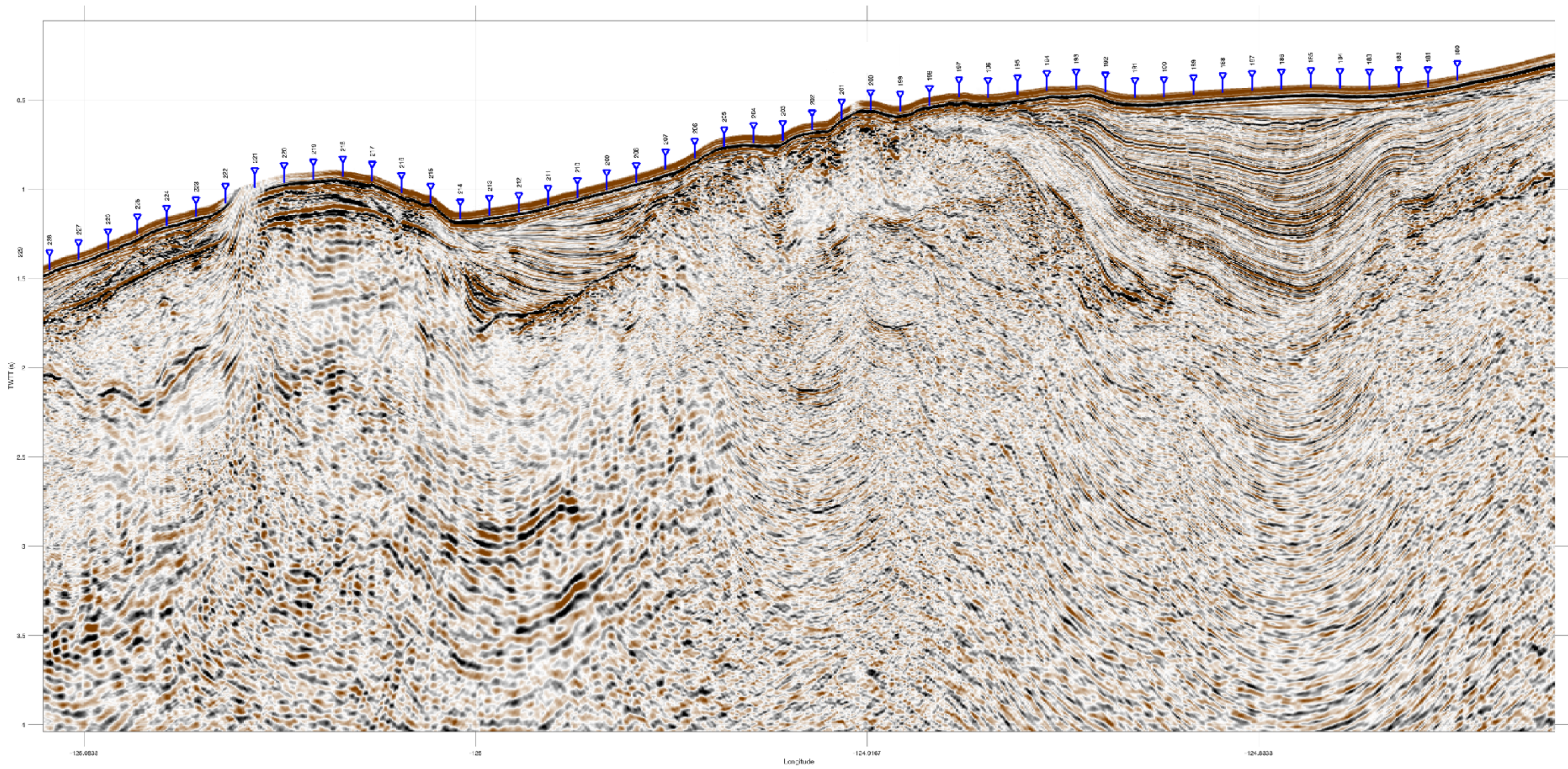


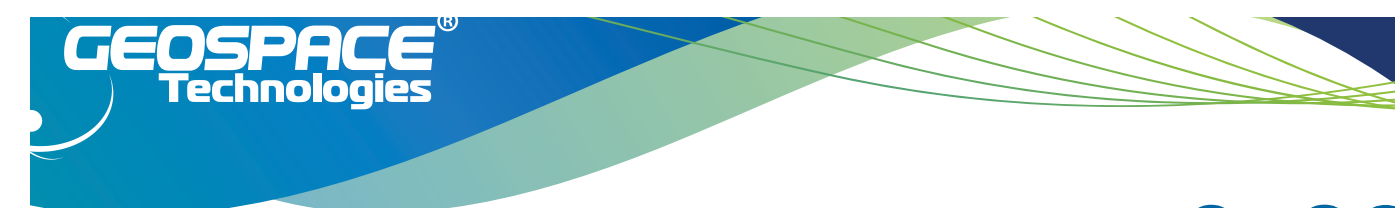
Figure 1

File Edit View Insert Tools Desktop Window Help

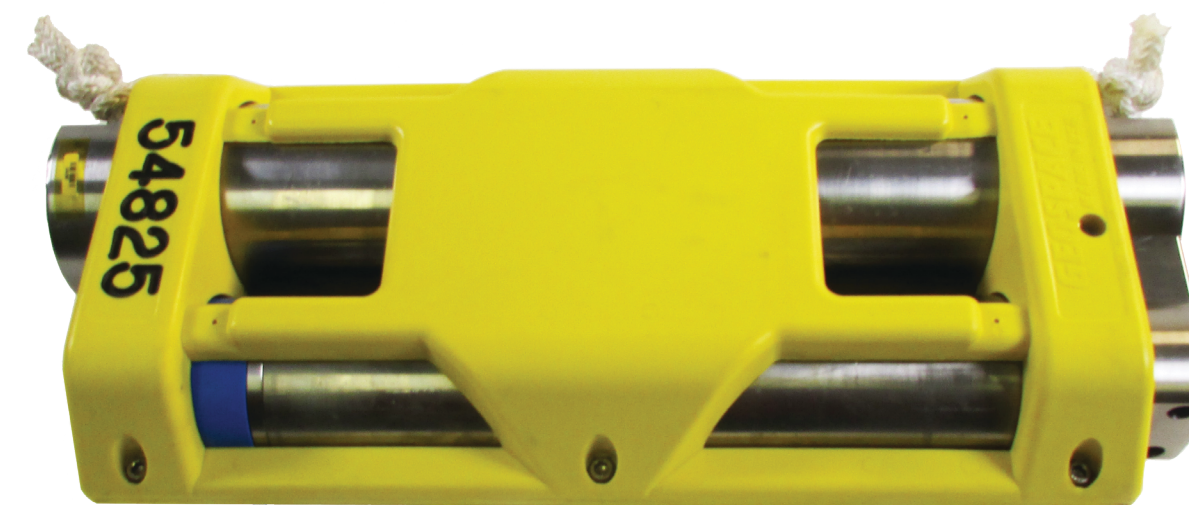




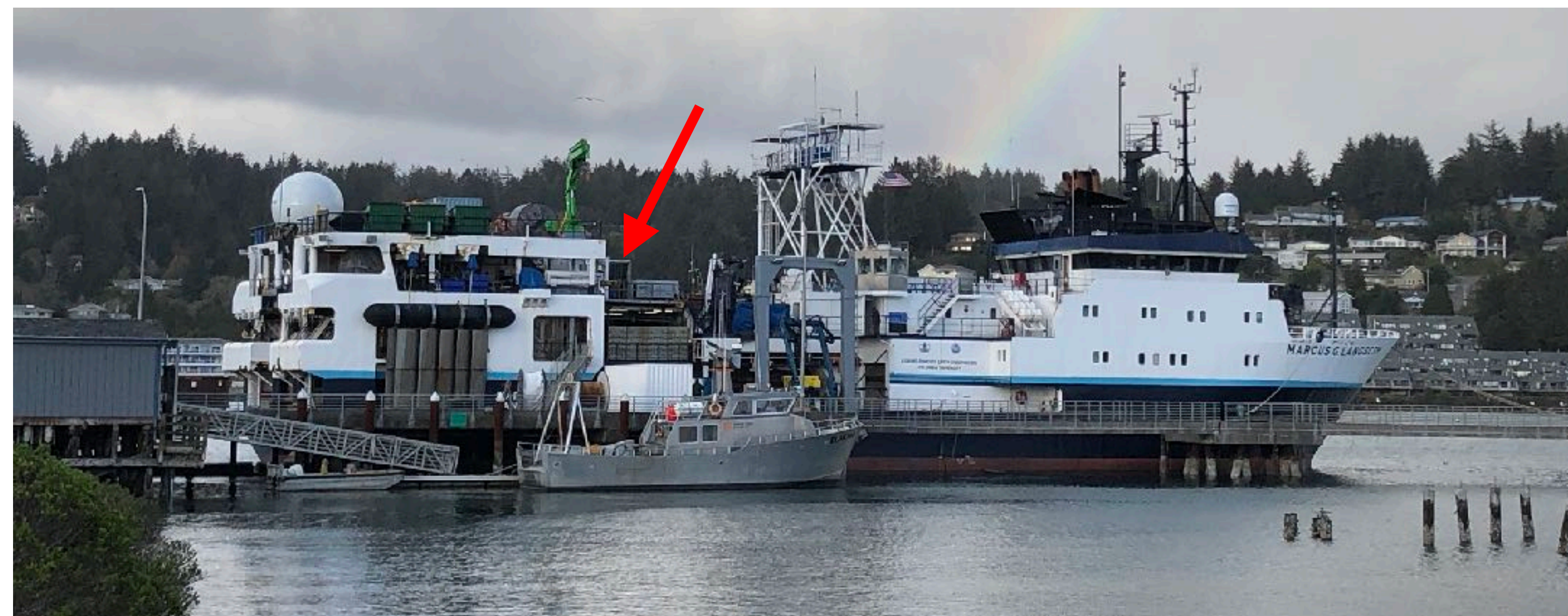
Node Van



OBX2-90 OCEAN BOTTOM RECORDER



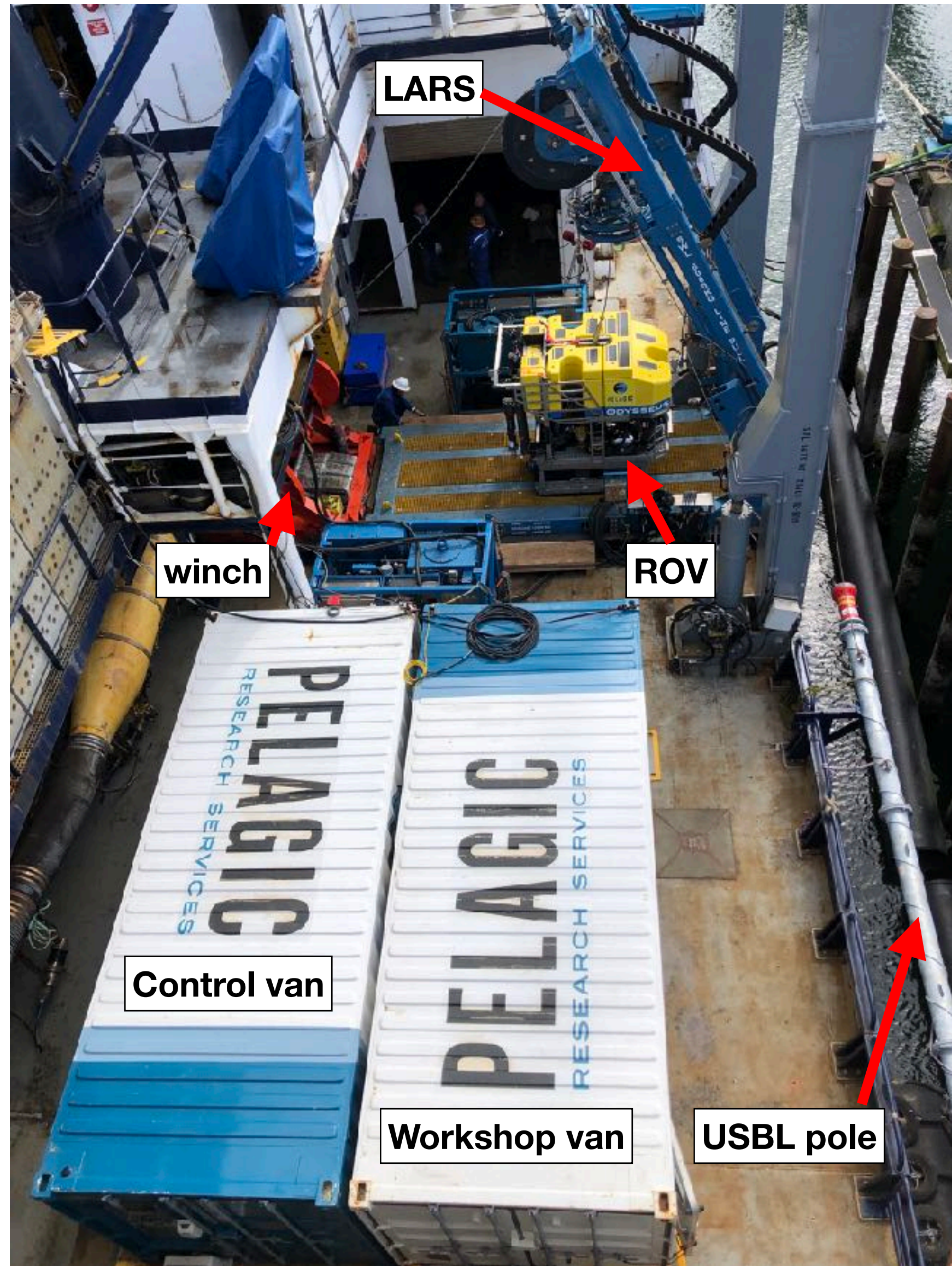
- Continuous cable-free 4C autonomous recording
- Battery module: 90 days operation
- Built-in full resolution test generator
- Solid-state flash memory: 16 GB per channel
- CSAC clock
- Built-in heading sensor



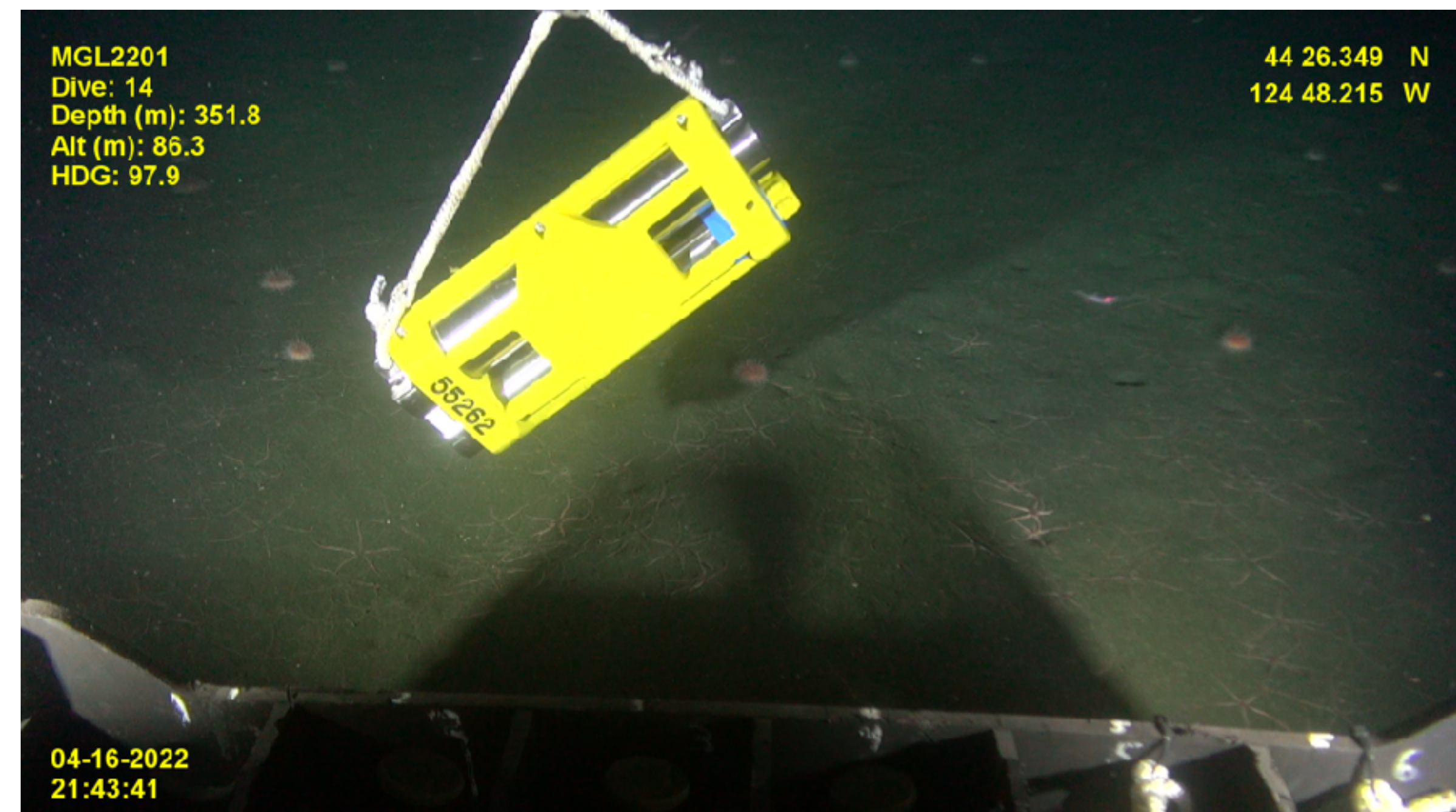
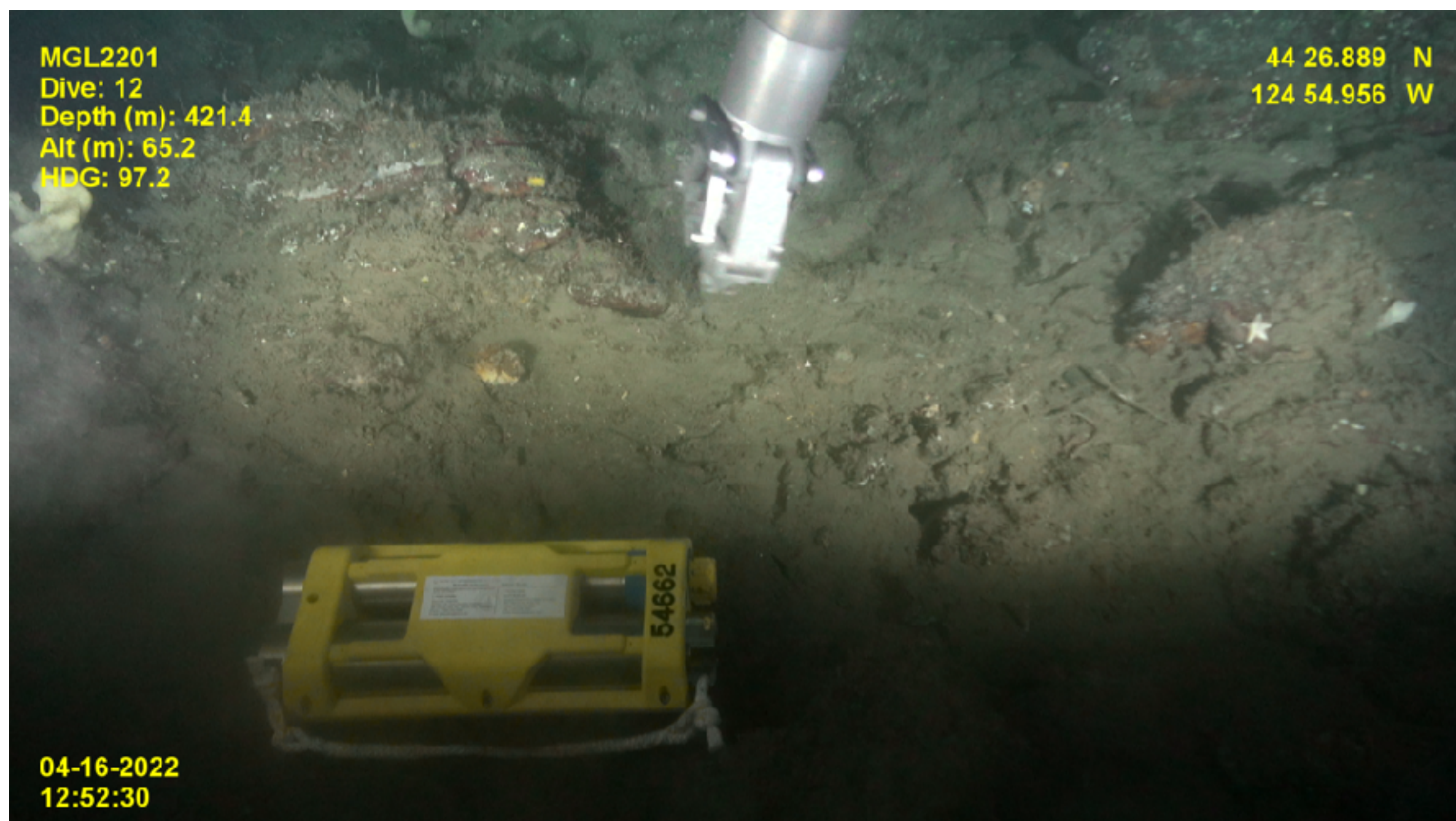
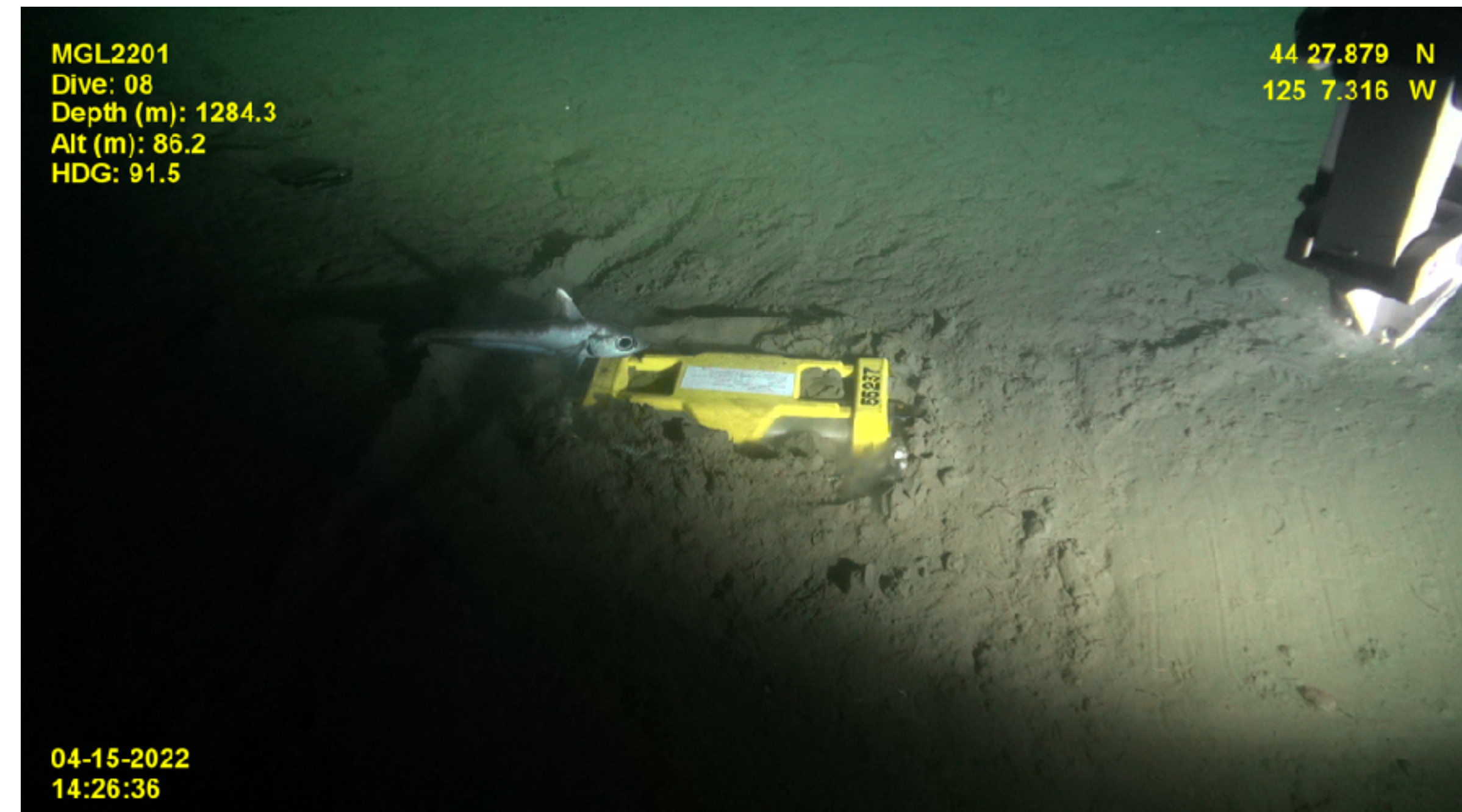
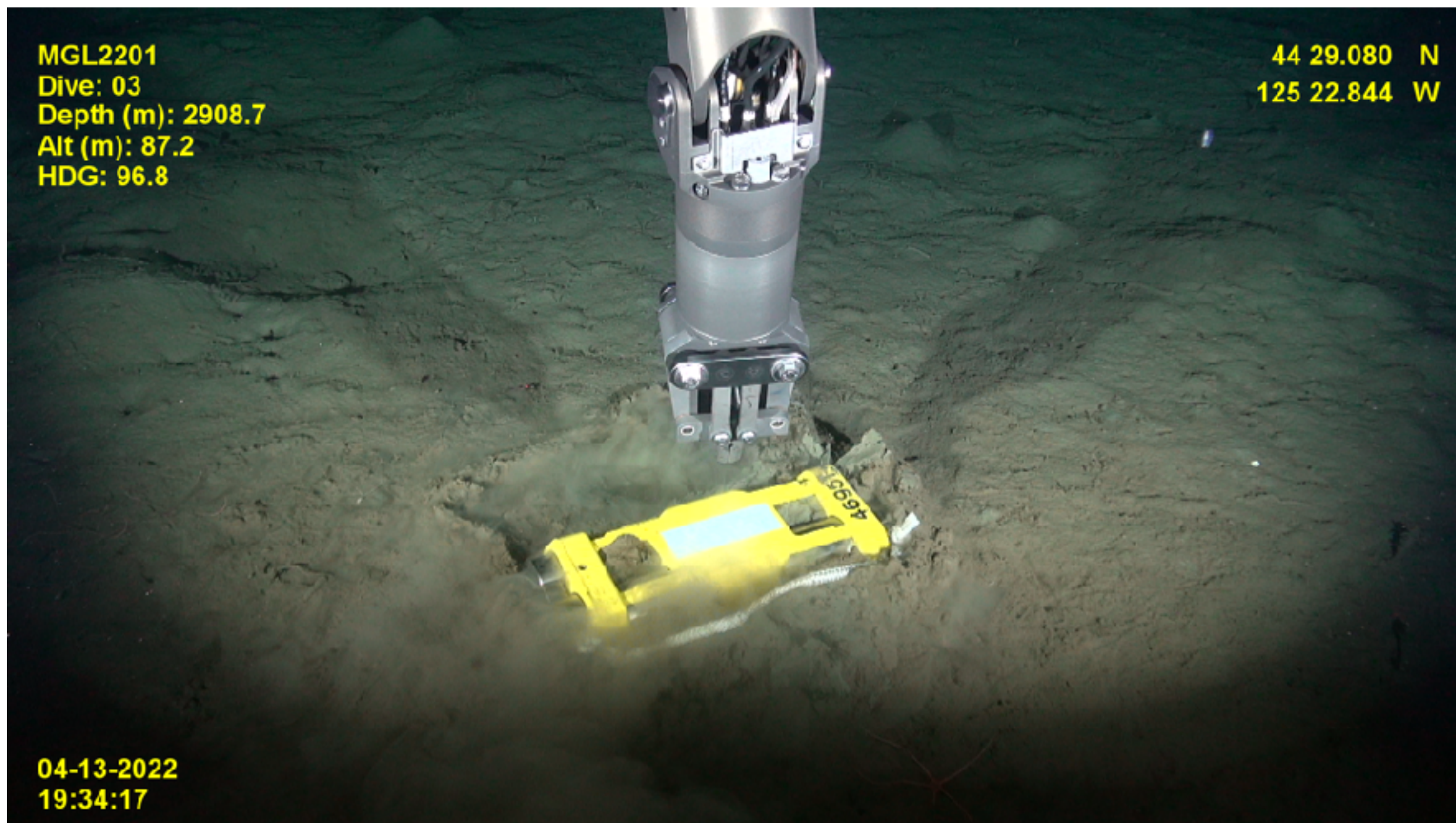
Node Van

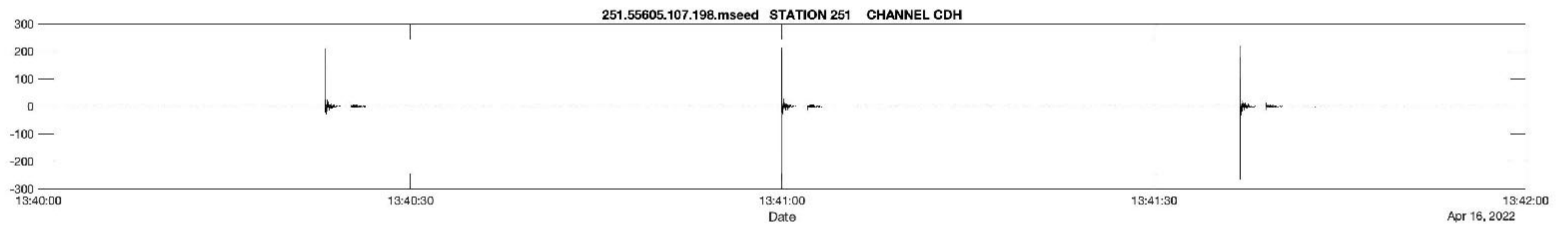
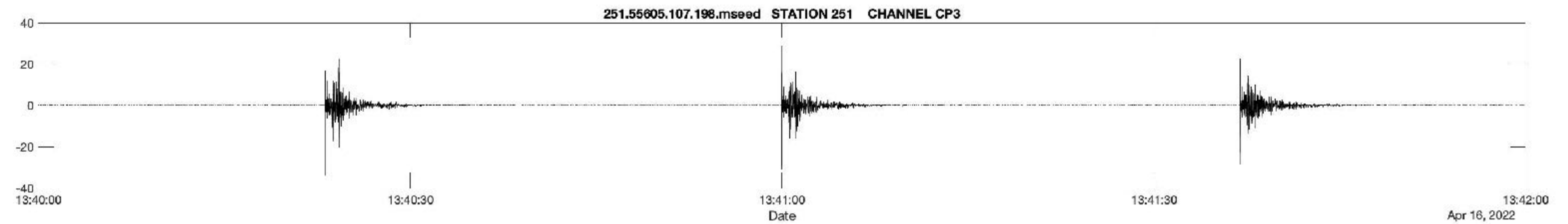
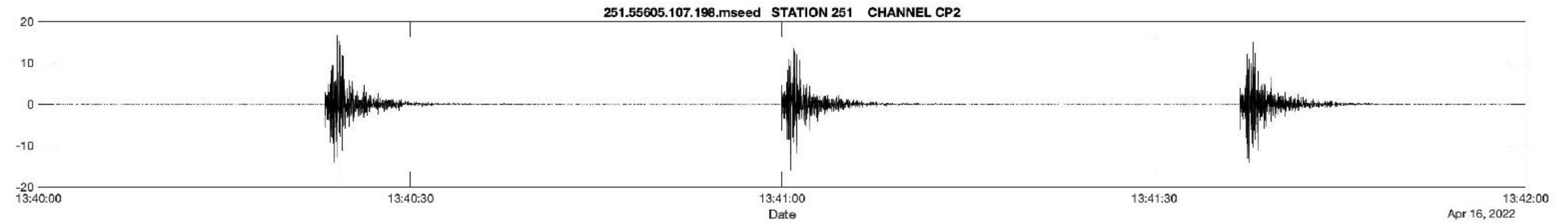
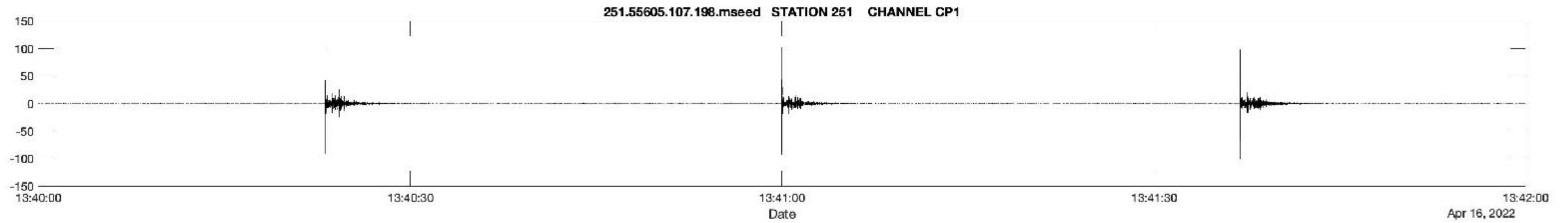


ROV System

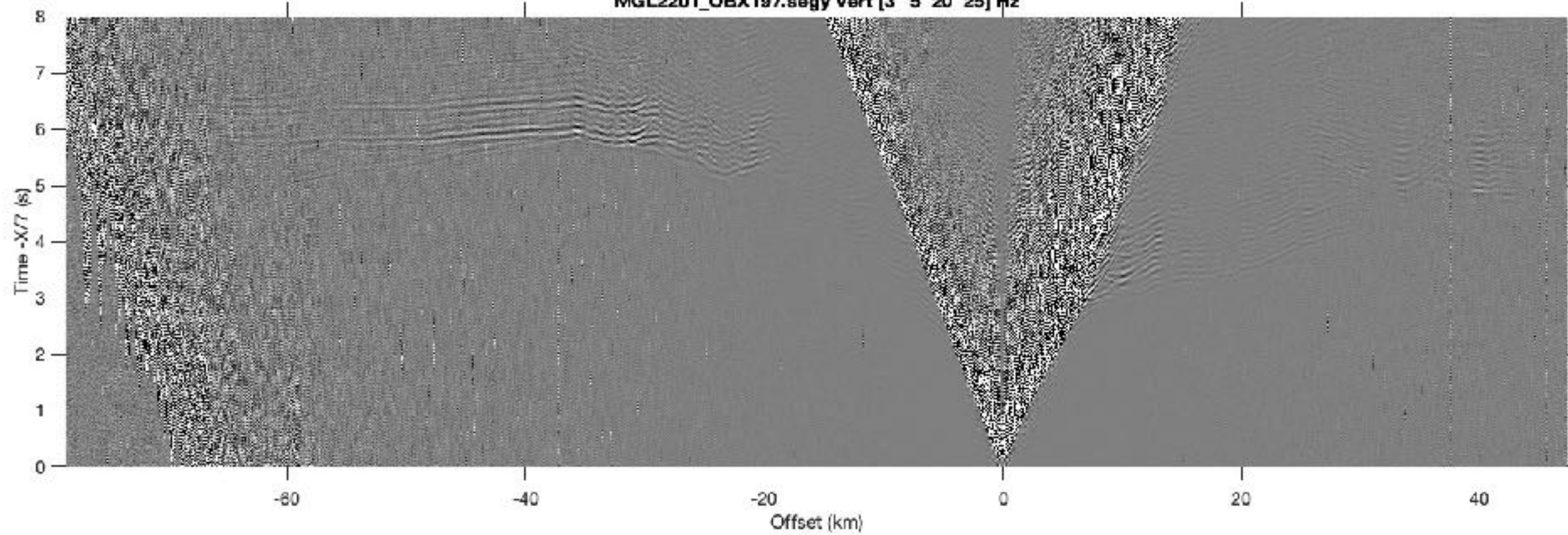




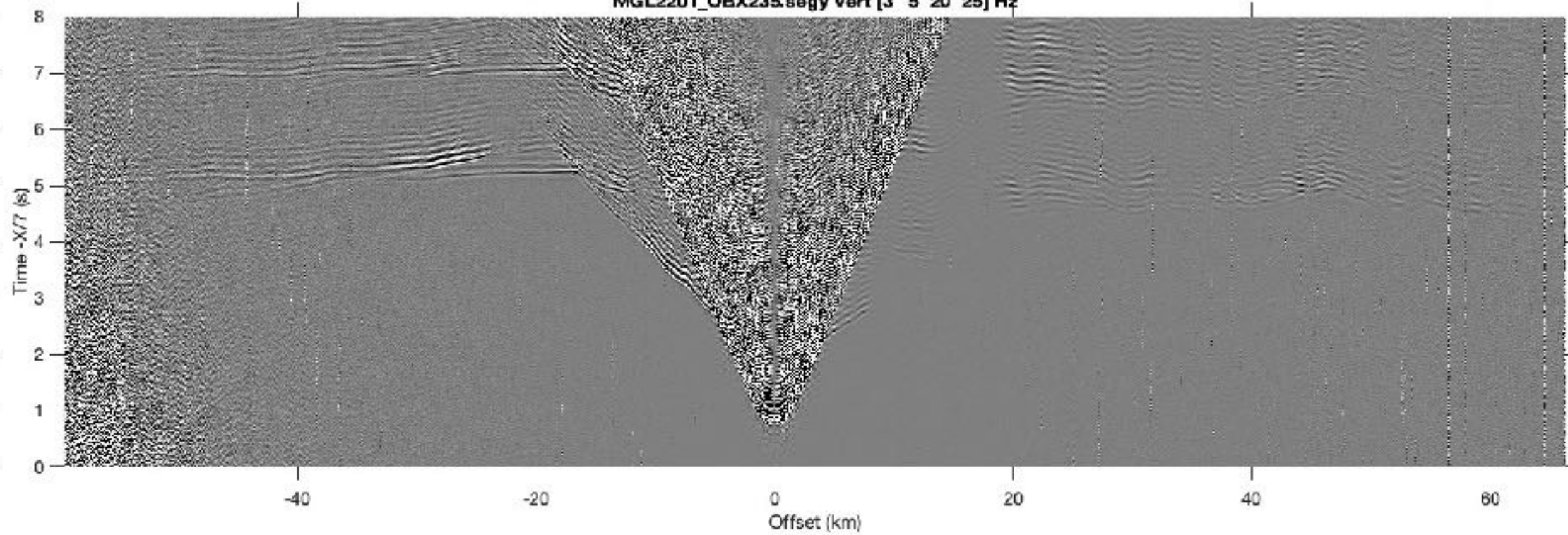




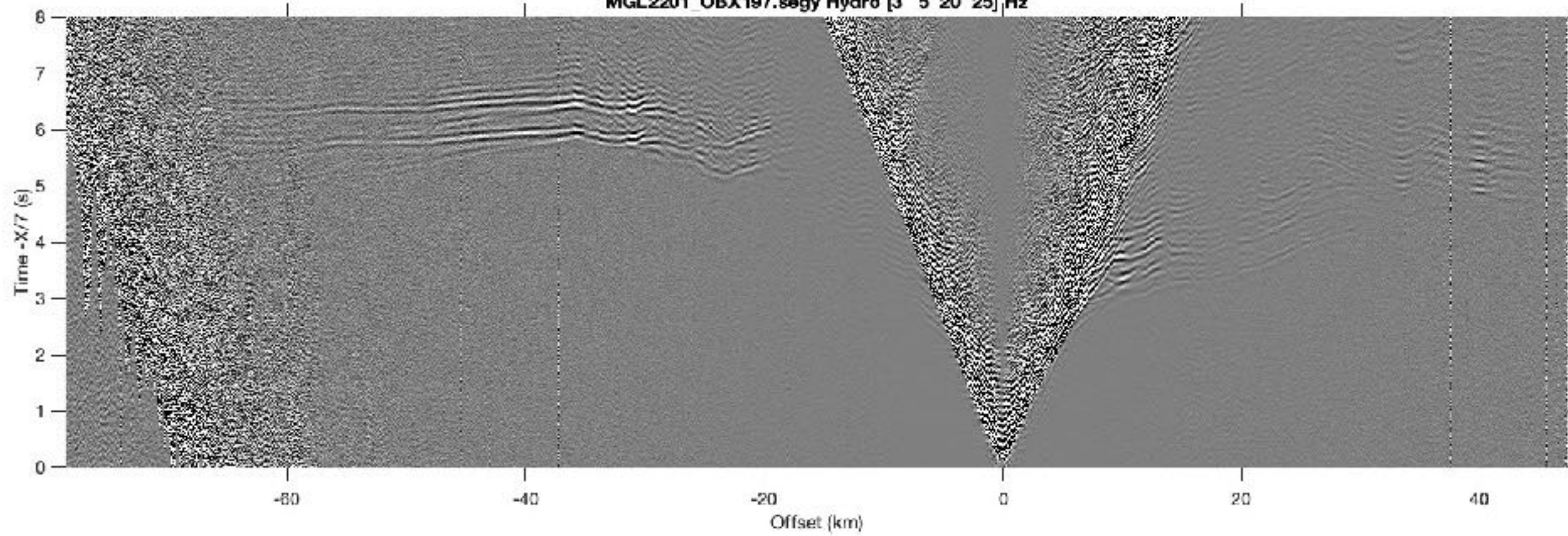
MGL2201_OBX197.segy Vert [3 5 20 25] Hz



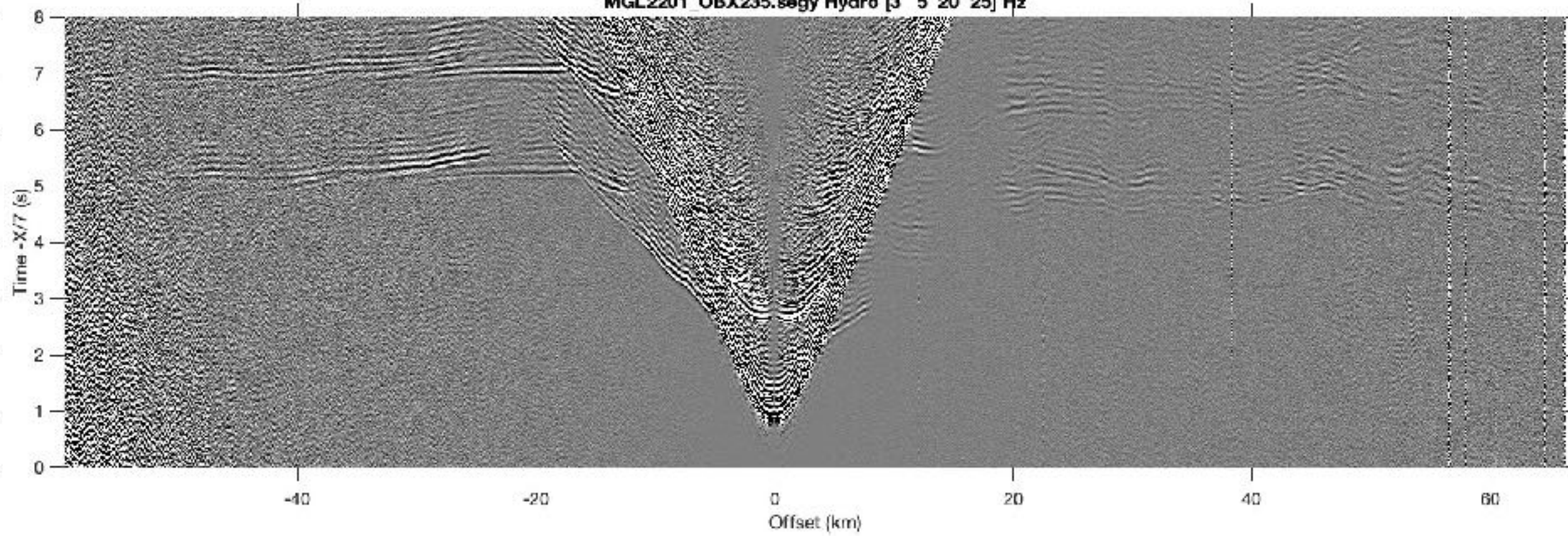
MGL2201_OBX235.segy Vert [3 5 20 25] Hz



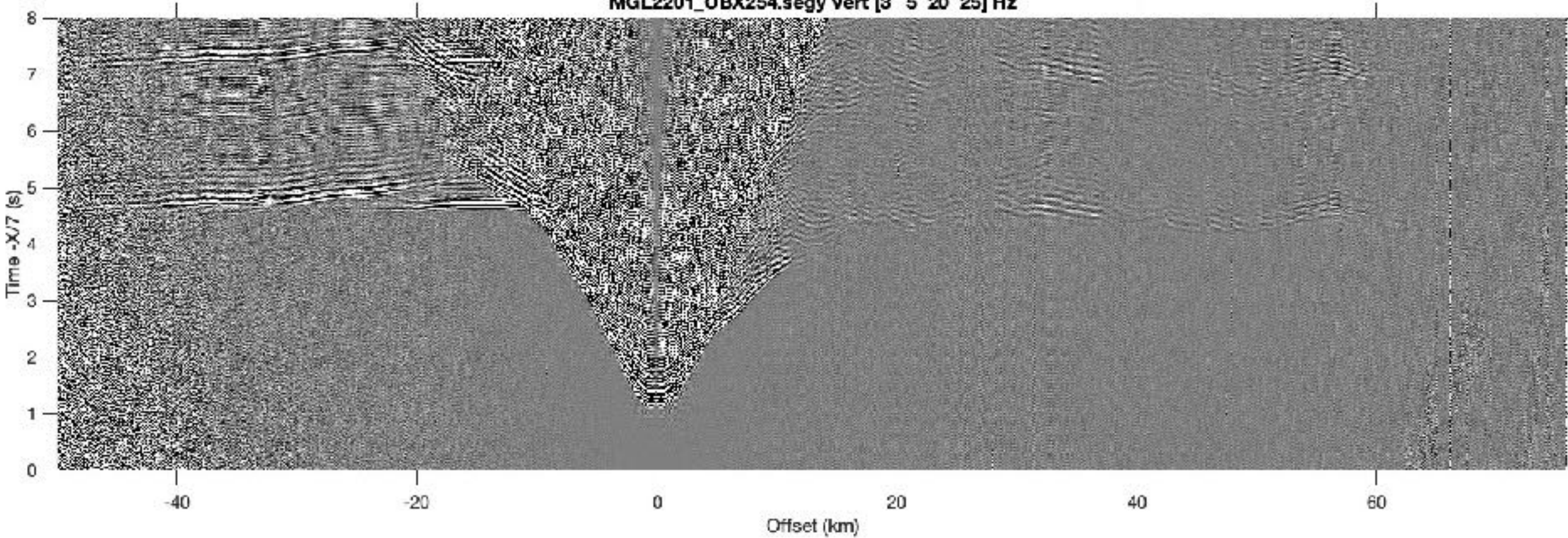
MGL2201_OBX197.segy Hydro [3 5 20 25] Hz



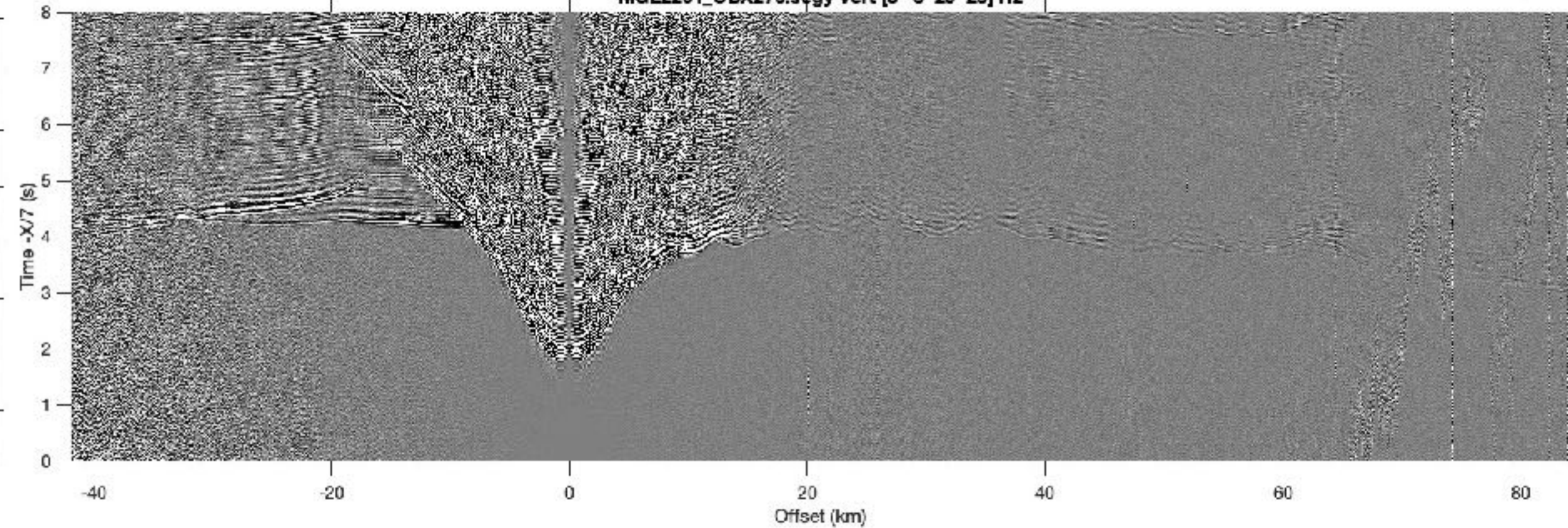
MGL2201_OBX235.segy Hydro [3 5 20 25] Hz



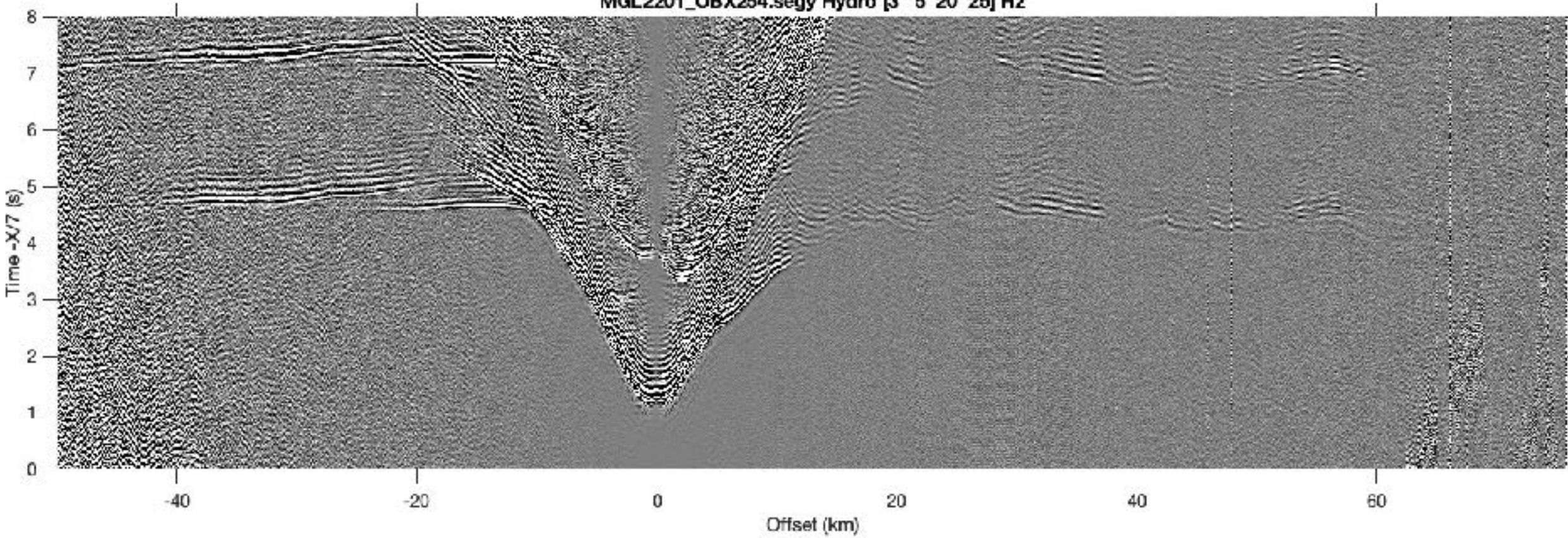
MGL2201_OBX254.segy Vert [3 5 20 25] Hz



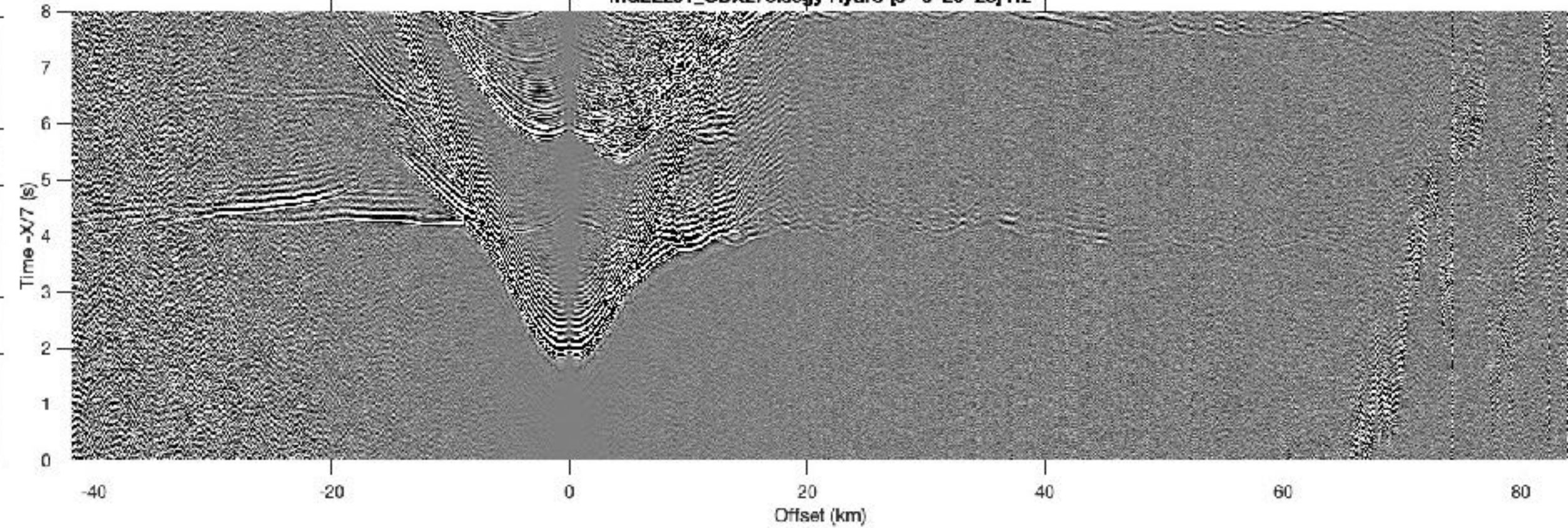
MGL2201_OBX270.segy Vert [3 5 20 25] Hz



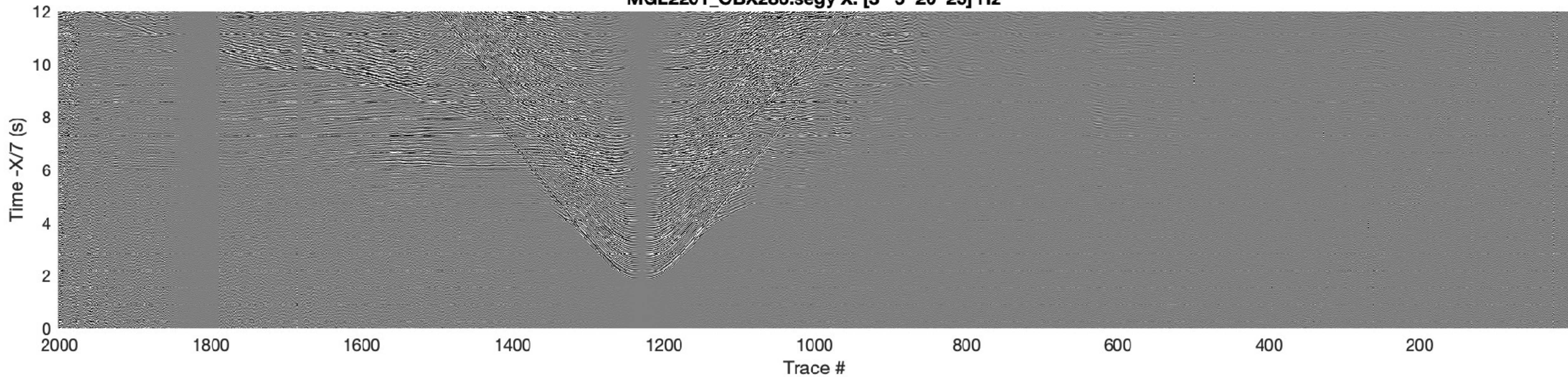
MGL2201_OBX254.segy Hydro [3 5 20 25] Hz



MGL2201_OBX270.segy Hydro [3 5 20 25] Hz



MGL2201_OBX286.segy X. [3 5 20 25] Hz



MGL2201_OBX286.segy Y. [3 5 20 25] Hz

