HR Vertilog

Magnetic Flux Leakage Inspection

Advanced Analysis

Company	Southern California Gas Company
Well	Fernando Fee 35B
Field	Aliso Canyon
County	Los Angeles
State	California

Location:
146' S & 659' E
From Station 84 3

Section 34	Township 3N	Range 16W	

Date	Jul. 14, 2016
Service Order	US108271
Recorded by	B. Deal
Witnessed by	T. McMahon
API Serial No.	04-037-21458

Permanent Datum:	G.L.	Elevation: 1674.000	ft.	Depth	7331.000
Log Measured From:	K.B.	15.000	ft. above Perm. Datum	Btm. Log Interval	7049.900
Drilling Measured From:	K.B.	15.000	ft. above Perm. Datum	Top Log Interval	14.610
				Fluid Type	KCL

Casing Data

Size	Weight	Grade	From	To	Length
8 5/8 inch	36.0 lb/ft	K-55	Surface	5835	5835.0
8 5/8 inch	36.0 lb/ft	N-80	5835	7229	1394.0
13 3/8 inch	54.5 lb/ft	K-55	Surface	830	830.0
5 inch liner	18.0 lb/ft	N-80	7100	7331	231.0

Software Version 6.0.0.0

Equipment Data

Run	Trip	Tool Type	Tool Series	Serial Number	Position
1	1	HRVRT MFL	4997	PA10409830	LOWER
1	1	HRVRT MFL	4997	QA10409822	UPPER
1	1	HRVRT TELEM	4993	EA10360726	

Calibration Data

Calibration File Name	4997-8-001-PA10409822-U.CAL
Date of Calibration	06/16/2016 16:01

Calibration Identifier	A00C9D82-DCC8-4973-8454-0F98E8079F2F
Tool Number	4997-00
Calibrator Number	4997-8-001
Calibrator Size	(8-5/8 In - 219 mm)
Calibration Source File	20160616_141623_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.3.4.0
Comment	RMA1333

Calibration Data

Calibration File Name	4997-8-001-QA10409830-L.CAL
Date of Calibration	06/16/2016 16:01
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Comment	RMA1333

In making interpretations of logs our employees will give customer the benefit of their best judgment. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Interpretation

HRVRT analysis was depth correlated Welex Micro-Seismogram logged 14 Sep 1974.

The top joint (JT-1), joint 98 (JT-98) and joint 140 (JT-140) are shorter joints.

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  15.54 ft   Hardware -External Casing Head Response.
 829.00 ft   Hardware - Bottom of 13 3/8" External Casing.
3815.45 ft   Hardware -  Multiple Centralizers can be seen
             throughout the logged interval, see the Feature List for
             a complete centralizer listing.
3984.60 ft   Hardware - Centralizer - not over collar.
3987.46 ft   Hardware - Stage Collar.
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Interpretation was zoned for variable casing weights and grades.

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5837.43 ft   Collar - 8 5/8" Casing Grade change; K-55 36 lb/ft
             above and N-80 36 lb/ft below.
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Joint Interpretation Summary

Joint	From	To	Length	Class	Max Depth	Position	Type	ID/OD
1	14.61	25.12	10.51	Class 1	-	-	-	-
2	25.12	67.28	42.16	Class 1	-	-	-	-
3	67.28	110.17	42.89	Class 1	-	-	-	-
4	110.17	151.93	41.76	Class 1	-	-	-	-

5	151.93	193.57	41.64	Class	1	-	-	-	-
6	193.57	234.71	41.14	Class	1	-	-	-	-
7	234.71	276.80	42.09	Class	1	-	-	-	-
8	276.80	315.29	38.49	Class	1	-	-	-	-
9	315.29	355.91	40.62	Class	1	-	-	-	-
10	355.91	395.64	39.73	Class	1	-	-	-	-
11	395.64	438.85	43.21	Class	1	-	-	-	-
12	438.85	479.85	41.00	Class	1	-	-	-	-
13	479.85	521.86	42.01	Class	1	-	-	-	-
14	521.86	560.94	39.08	Class	1	-	-	-	-
15	560.94	602.52	41.58	Class	1	-	-	-	-
16	602.52	645.30	42.78	Class	1	-	-	-	-
17	645.30	688.07	42.77	Class	1	-	-	-	-
18	688.07	728.53	40.46	Class	1	-	-	-	-
19	728.53	772.22	43.69	Class	1	-	-	-	-
20	772.22	815.55	43.33	Class	1	-	-	-	-
21	815.55	857.39	41.84	Class	1	-	-	-	-
22	857.39	899.51	42.12	Class	1	-	-	-	-
23	899.51	940.76	41.25	Class	1	-	-	-	-
24	940.76	982.16	41.40	Class	1	-	-	-	-
25	982.16	1023.29	41.13	Class	1	-	-	-	-
26	1023.29	1063.82	40.53	Class	1	-	-	-	-
27	1063.82	1103.66	39.84	Class	1	-	-	-	-
28	1103.66	1145.25	41.59	Class	1	-	-	-	-
29	1145.25	1187.29	42.04	Class	1	-	-	-	-
30	1187.29	1230.74	43.45	Class	1	-	-	-	-
31	1230.74	1272.31	41.57	Class	1	-	-	-	-
32	1272.31	1314.21	41.90	Class	1	-	-	-	-
33	1314.21	1355.91	41.70	Class	1	-	-	-	-
34	1355.91	1395.67	39.76	Class	1	-	-	-	-
35	1395.67	1437.23	41.56	Class	1	-	-	-	-
36	1437.23	1478.61	41.38	Class	1	-	-	-	-
37	1478.61	1521.61	43.00	Class	1	-	-	-	-
38	1521.61	1562.81	41.20	Class	1	-	-	-	-
39	1562.81	1604.69	41.88	Class	1	-	-	-	-
40	1604.69	1643.71	39.02	Class	1	-	-	-	-
41	1643.71	1686.42	42.71	Class	1	-	-	-	-
42	1686.42	1727.46	41.04	Class	1	-	-	-	-
43	1727.46	1768.46	41.00	Class	1	-	-	-	-
44	1768.46	1810.38	41.92	Class	1	-	-	-	-
45	1810.38	1852.05	41.67	Class	1	-	-	-	-
46	1852.05	1895.18	43.13	Class	1	-	-	-	-
47	1895.18	1937.08	41.90	Class	1	-	-	-	-
48	1937.08	1978.19	41.11	Class	1	-	-	-	-
49	1978.19	2019.05	40.86	Class	1	-	-	-	-
50	2019.05	2060.44	41.39	Class	1	-	-	-	-
51	2060.44	2103.07	42.63	Class	1	-	-	-	-
52	2103.07	2144.14	41.07	Class	1	-	-	-	-
53	2144.14	2185.84	41.70	Class	1	17.0%	2158.84	ISO	OD
54	2185.84	2227.23	41.39	Class	1	19.0%	2197.13	ISO	OD
55	2227.23	2269.24	42.01	Class	2	21.0%	2242.62	ISO	OD
56	2269.24	2310.32	41.08	Class	1	-	-	-	-
57	2310.32	2353.87	43.55	Class	1	15.0%	2318.22	ISO	OD
58	2353.87	2394.92	41.05	Class	1	-	-	-	-
59	2394.92	2435.92	41.00	Class	1	-	-	-	-
60	2435.92	2477.11	41.19	Class	1	-	-	-	-
61	2477.11	2518.93	41.82	Class	1	-	-	-	-
62	2518.93	2561.61	42.68	Class	1	-	-	-	-
63	2561.61	2603.89	42.28	Class	1	-	-	-	-
64	2603.89	2646.18	42.29	Class	1	15.0%	2635.20	ISO	OD
65	2646.18	2687.38	41.20	Class	1	-	-	-	-
66	2687.38	2729.58	42.20	Class	1	-	-	-	-
67	2729.58	2772.88	43.30	Class	1	-	-	-	-

68	2772.88	2815.07	42.19	Class	1	-	-	-	-
69	2815.07	2856.73	41.66	Class	1	-	-	-	-
70	2856.73	2898.44	41.71	Class	1	-	-	-	-
71	2898.44	2940.32	41.88	Class	1	-	-	-	-
72	2940.32	2982.83	42.51	Class	1	-	-	-	-
73	2982.83	3025.48	42.65	Class	1	-	-	-	-
74	3025.48	3067.05	41.57	Class	1	-	-	-	-
75	3067.05	3109.08	42.03	Class	1	-	-	-	-
76	3109.08	3148.06	38.98	Class	1	-	-	-	-
77	3148.06	3190.40	42.34	Class	1	-	-	-	-
78	3190.40	3232.71	42.31	Class	1	-	-	-	-
79	3232.71	3274.56	41.85	Class	1	-	-	-	-
80	3274.56	3315.65	41.09	Class	1	-	-	-	-
81	3315.65	3357.77	42.12	Class	1	-	-	-	-
82	3357.77	3400.67	42.90	Class	1	-	-	-	-
83	3400.67	3441.93	41.26	Class	1	-	-	-	-
84	3441.93	3484.33	42.40	Class	1	-	-	-	-
85	3484.33	3525.30	40.97	Class	1	-	-	-	-
86	3525.30	3567.46	42.16	Class	1	-	-	-	-
87	3567.46	3608.34	40.88	Class	1	-	-	-	-
88	3608.34	3651.02	42.68	Class	1	-	-	-	-
89	3651.02	3688.89	37.87	Class	1	-	-	-	-
90	3688.89	3731.09	42.20	Class	1	-	-	-	-
91	3731.09	3773.37	42.28	Class	1	-	-	-	-
92	3773.37	3815.47	42.10	Class	1	-	-	-	-
93	3815.47	3859.01	43.54	Class	1	-	-	-	-
94	3859.01	3901.84	42.83	Class	1	-	-	-	-
95	3901.84	3944.10	42.26	Class	1	-	-	-	-
96	3944.10	3988.27	44.17	Class	1	15.0%	3979.22	ISO	OD
97	3988.27	4031.12	42.85	Class	1	-	-	-	-
98	4031.12	4058.52	27.40	Class	1	-	-	-	-
99	4058.52	4100.02	41.50	Class	1	-	-	-	-
100	4100.02	4143.26	43.24	Class	1	-	-	-	-
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111	4559.26	4600.54	41.28	Class	1	-	-	-	-
112	4600.54	4642.04	41.50	Class	1	-	-	-	-
113	4642.04	4683.11	41.07	Class	1	-	-	-	-
114	4683.11	4725.33	42.22	Class	1	-	-	-	-
115	4725.33	4765.11	39.78	Class	1	-	-	-	-
116	4765.11	4807.61	42.50	Class	1	-	-	-	-
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118	4847.01	4888.72	41.71	Class	1	-	-	-	-
119	4888.72	4930.53	41.81	Class	1	-	-	-	-
120	4930.53	4972.76	42.23	Class	1	-	-	-	-
121	4972.76	5015.40	42.64	Class	1	-	-	-	-
122	5015.40	5057.06	41.66	Class	1	-	-	-	-
123	5057.06	5098.89	41.83	Class	1	-	-	-	-
124	5098.89	5141.31	42.42	Class	1	-	-	-	-
125	5141.31	5183.34	42.03	Class	1	-	-	-	-
126	5183.34	5225.15	41.81	Class	1	-	-	-	-
127	5225.15	5267.72	42.57	Class	1	-	-	-	-
128	5267.72	5304.53	36.81	Class	1	-	-	-	-
129	5304.53	5346.26	41.73	Class	1	-	-	-	-
130	5346.26	5387.93	41.67	Class	1	-	-	-	-
131	5387.93	5430.38	42.45	Class	1	-	-	-	-

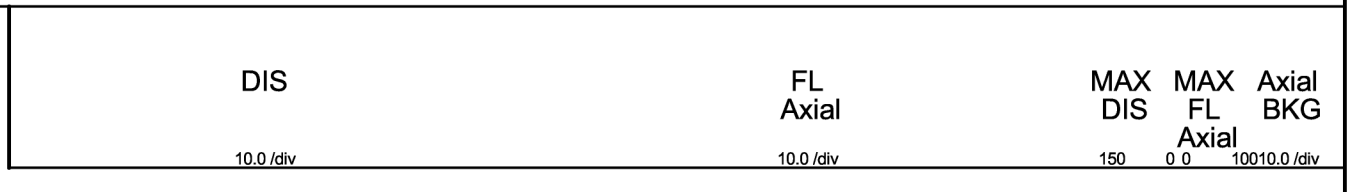
132	5430.38	5472.58	42.20	Class	1	-	-	-	-
133	5472.58	5512.88	40.30	Class	1	-	-	-	-
134	5512.88	5555.31	42.43	Class	1	-	-	-	-
135	5555.31	5598.00	42.69	Class	1	-	-	-	-
136	5598.00	5640.52	42.52	Class	1	-	-	-	-
137	5640.52	5682.91	42.39	Class	1	-	-	-	-
138	5682.91	5724.06	41.15	Class	1	-	-	-	-
139	5724.06	5765.91	41.85	Class	1	-	-	-	-
140	5765.91	5795.27	29.36	Class	1	-	-	-	-
141	5795.27	5837.43	42.16	Class	1	-	-	-	-
142	5837.43	5880.12	42.69	Class	1	-	-	-	-
143	5880.12	5921.23	41.11	Class	1	-	-	-	-
144	5921.23	5963.62	42.39	Class	1	-	-	-	-
145	5963.62	6005.59	41.97	Class	1	-	-	-	-
146	6005.59	6047.57	41.98	Class	1	-	-	-	-
147	6047.57	6090.23	42.66	Class	1	-	-	-	-
148	6090.23	6132.68	42.45	Class	1	-	-	-	-
149	6132.68	6175.52	42.84	Class	1	-	-	-	-
150	6175.52	6216.65	41.13	Class	1	-	-	-	-
151	6216.65	6258.56	41.91	Class	1	-	-	-	-
152	6258.56	6299.19	40.63	Class	1	-	-	-	-
153	6299.19	6341.27	42.08	Class	1	-	-	-	-
154	6341.27	6384.11	42.84	Class	1	-	-	-	-
155	6384.11	6426.29	42.18	Class	1	-	-	-	-
156	6426.29	6467.76	41.47	Class	1	-	-	-	-
157	6467.76	6510.25	42.49	Class	1	-	-	-	-
158	6510.25	6552.00	41.75	Class	1	-	-	-	-
159	6552.00	6594.93	42.93	Class	1	-	-	-	-
160	6594.93	6637.29	42.36	Class	1	-	-	-	-
161	6637.29	6679.41	42.12	Class	1	-	-	-	-
162	6679.41	6720.36	40.95	Class	1	-	-	-	-
163	6720.36	6762.91	42.55	Class	1	-	-	-	-
164	6762.91	6805.15	42.24	Class	1	-	-	-	-
165	6805.15	6844.56	39.41	Class	1	-	-	-	-
166	6844.56	6887.15	42.59	Class	1	17.0%	6867.55	ISO	ID
167	6887.15	6929.61	42.46	Class	2	26.0%	6907.94	ISO	ID
168	6929.61	6972.45	42.84	Class	1	18.0%	6969.86	ISO	ID
169	6972.45	7015.17	42.72	Class	1	-	-	-	-
170	7015.17	7049.90	34.73	Class	1	18.0%	7025.67	ISO	ID

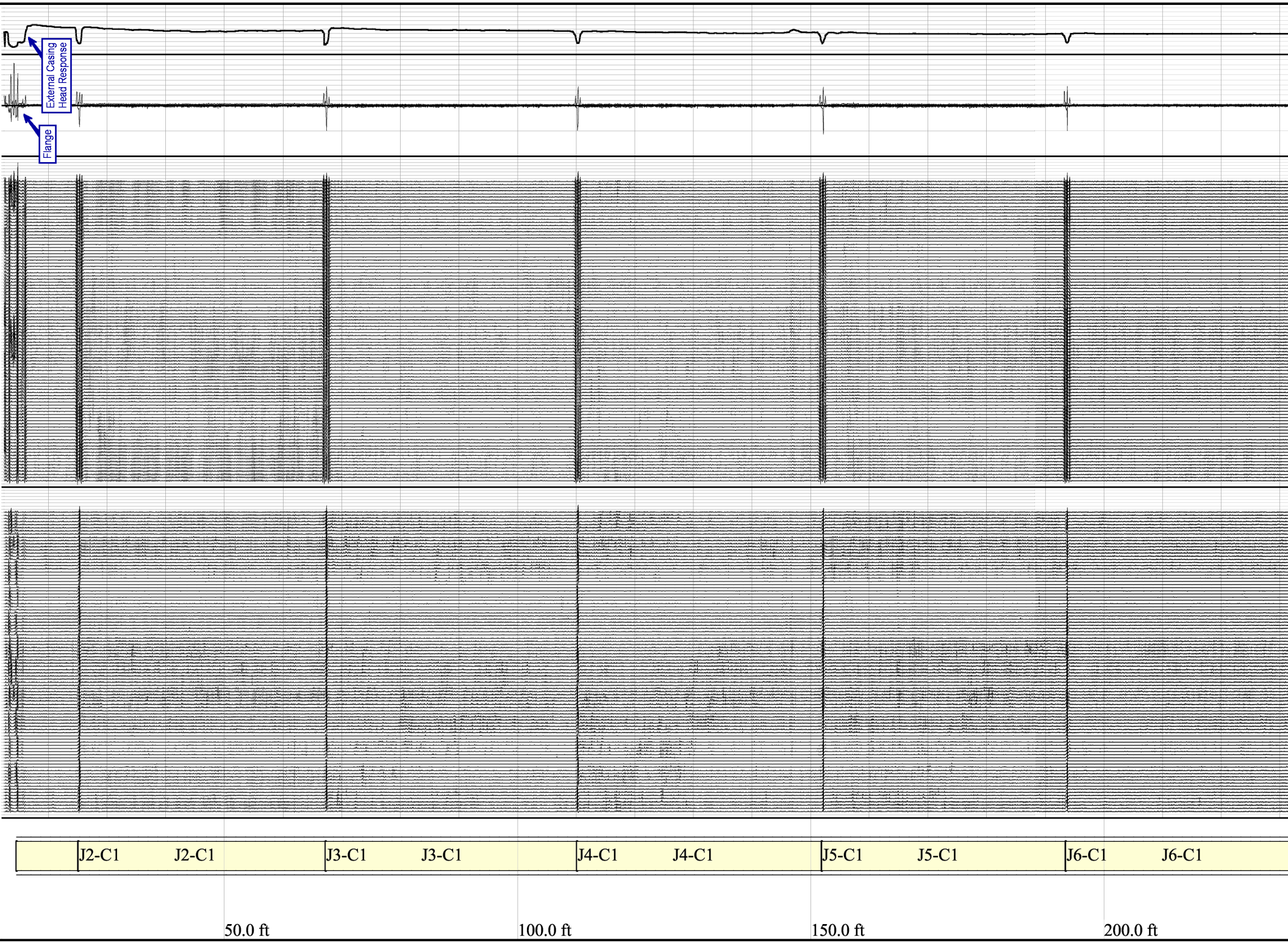
Southern California Gas Company Fernando Fee 35B

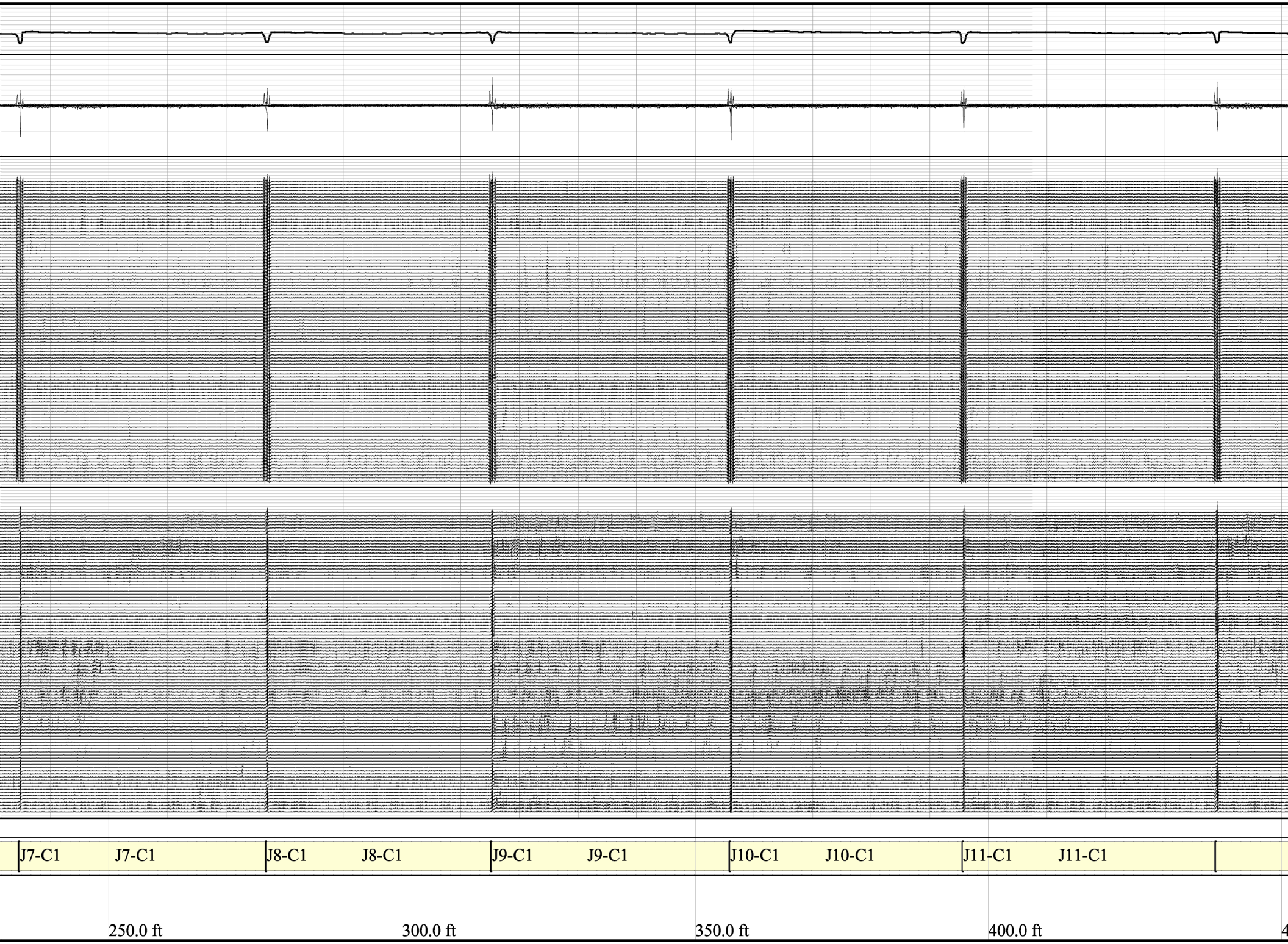
File 20160714_081635_RSP_0_0_0_0_0.mvl

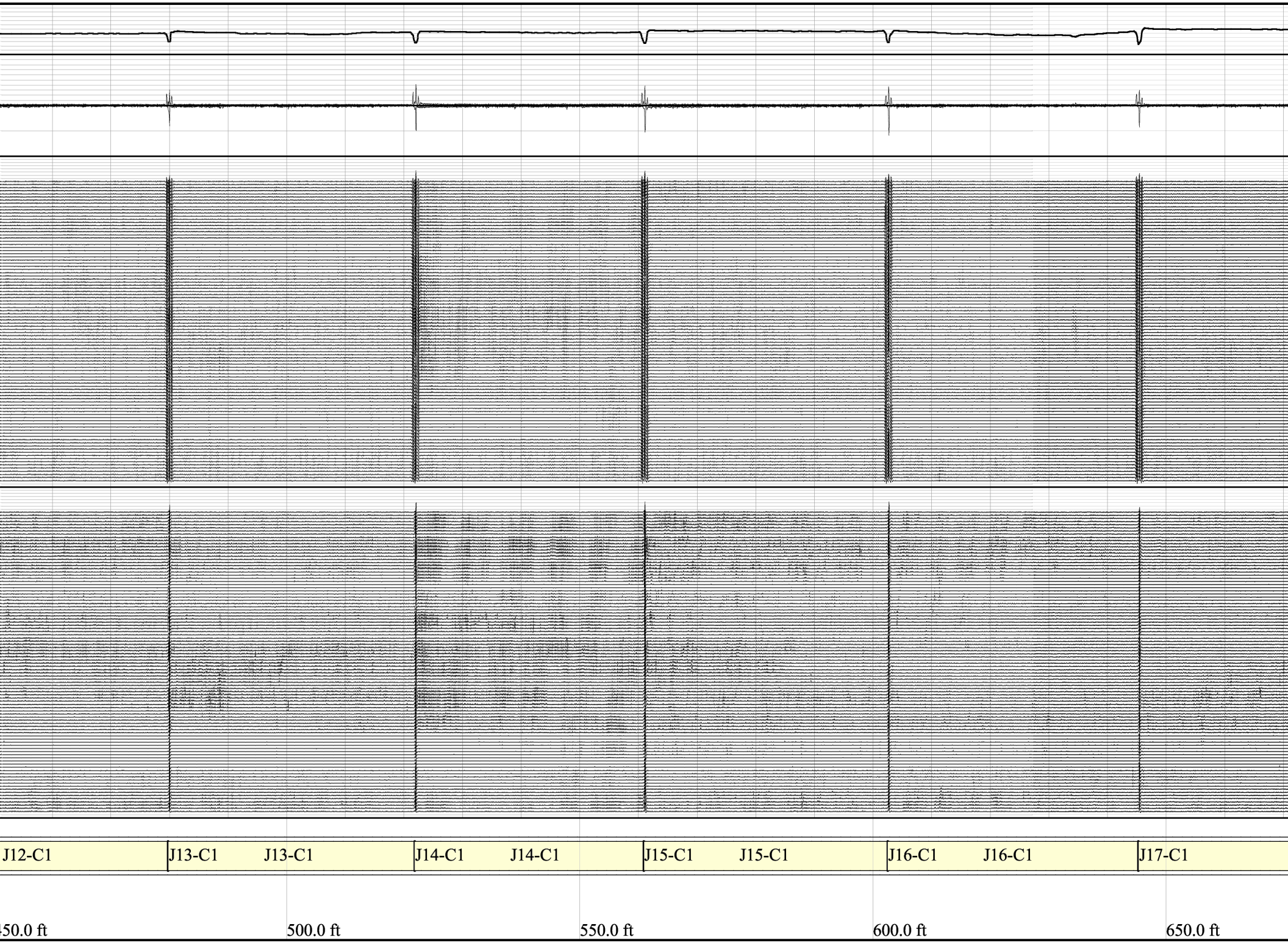
Main Log
5" / 100'

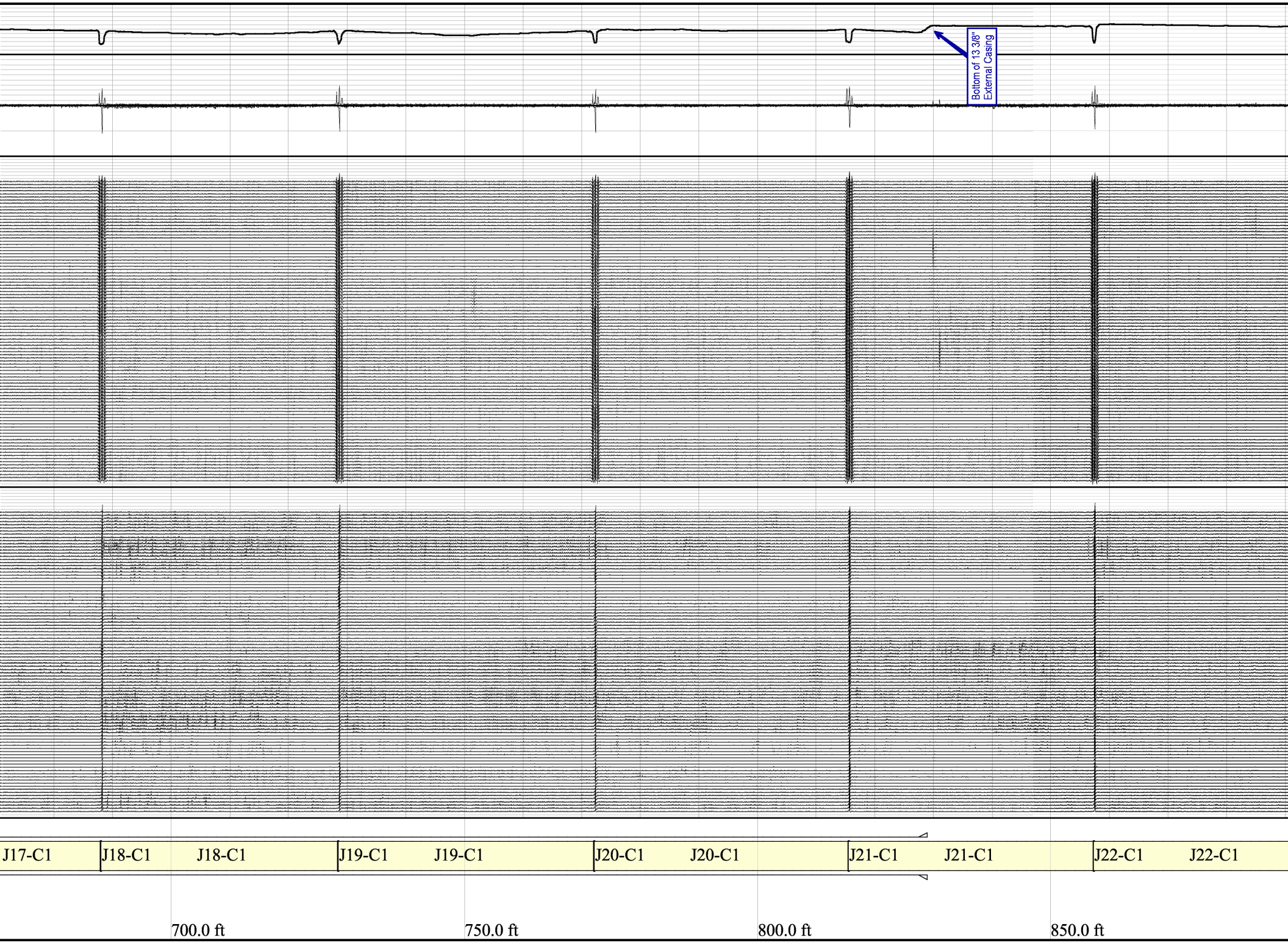
Class 1	Class 2	Class 3	Class 4
0 - 20%	20 - 40%	40 - 60%	60 - 100%

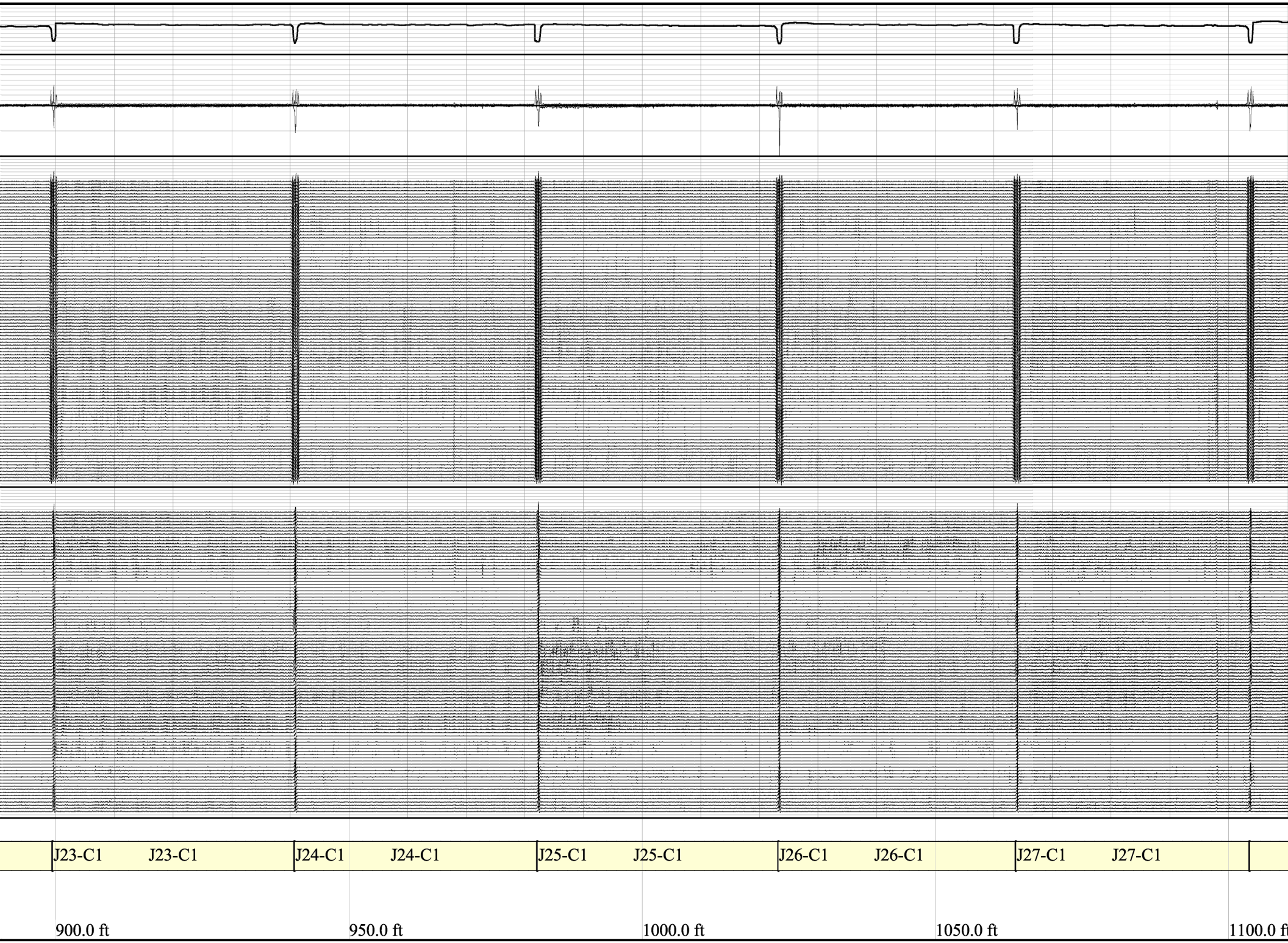


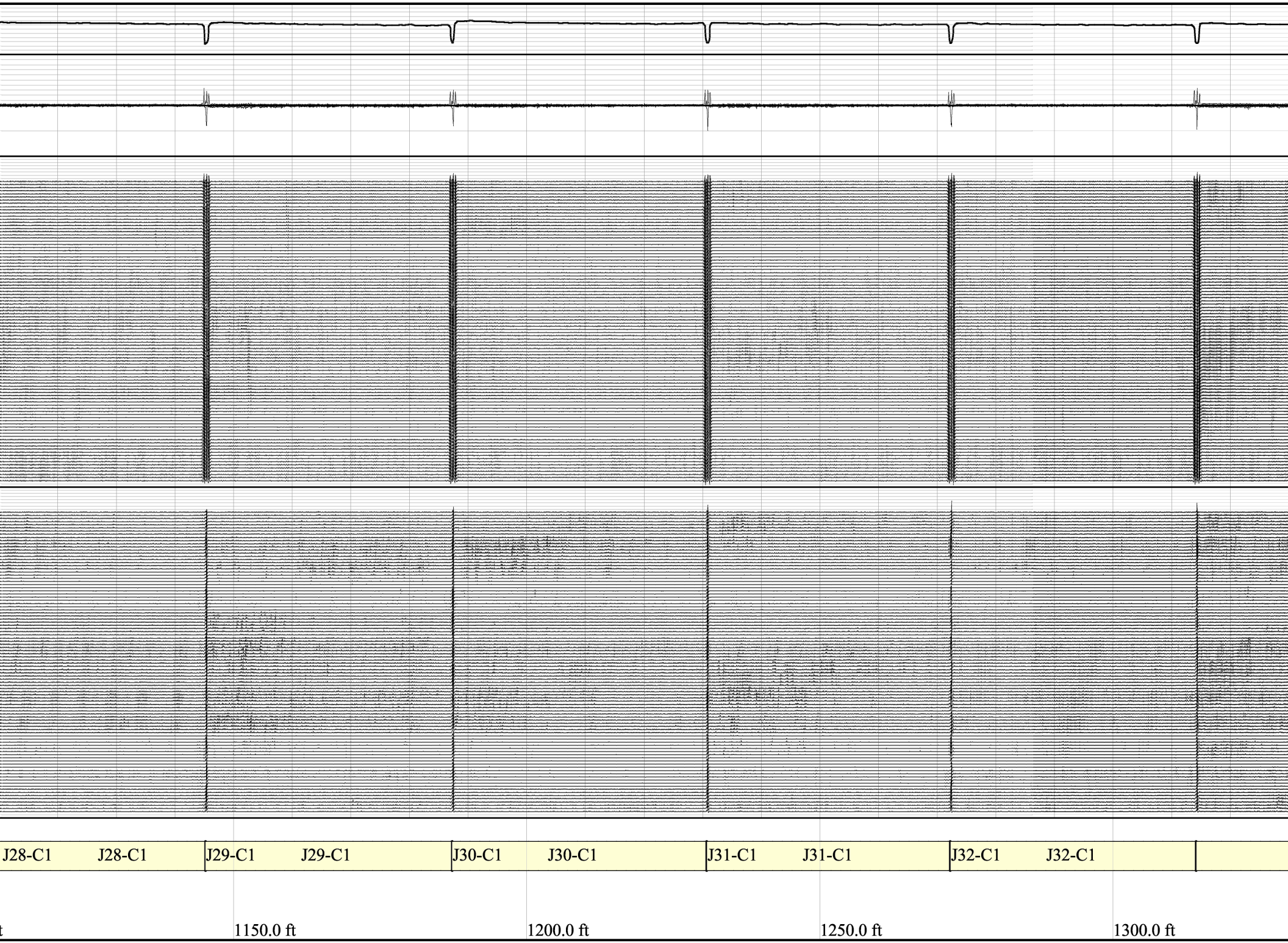

External Casing Head Response
Flange
J2-C1
J2-C1
J3-C1
J3-C1
J4-C1
J4-C1
J5-C1
J5-C1
J6-C1
J6-C1
50.0 ft
100.0 ft
150.0 ft
200.0 ft


J7-C1
J7-C1
J8-C1
J8-C1
J9-C1
J9-C1
J10-C1
J10-C1
J11-C1
J11-C1
250.0 ft
300.0 ft
350.0 ft
400.0 ft


J12-C1
J13-C1
J13-C1
J14-C1
J14-C1
J15-C1
J15-C1
J16-C1
J16-C1
J17-C1
450.0 ft
500.0 ft
550.0 ft
600.0 ft
650.0 ft


Bottom of 13 3/8" External Casing
J17-C1
J18-C1
J18-C1
J19-C1
J19-C1
J20-C1
J20-C1
J21-C1
J21-C1
J22-C1
J22-C1
700.0 ft
750.0 ft
800.0 ft
850.0 ft


J23-C1
J23-C1
J24-C1
J24-C1
J25-C1
J25-C1
J26-C1
J26-C1
J27-C1
J27-C1
900.0 ft
950.0 ft
1000.0 ft
1050.0 ft
1100.0 ft


J28-C1
J28-C1
J29-C1
J29-C1
J30-C1
J30-C1
J31-C1
J31-C1
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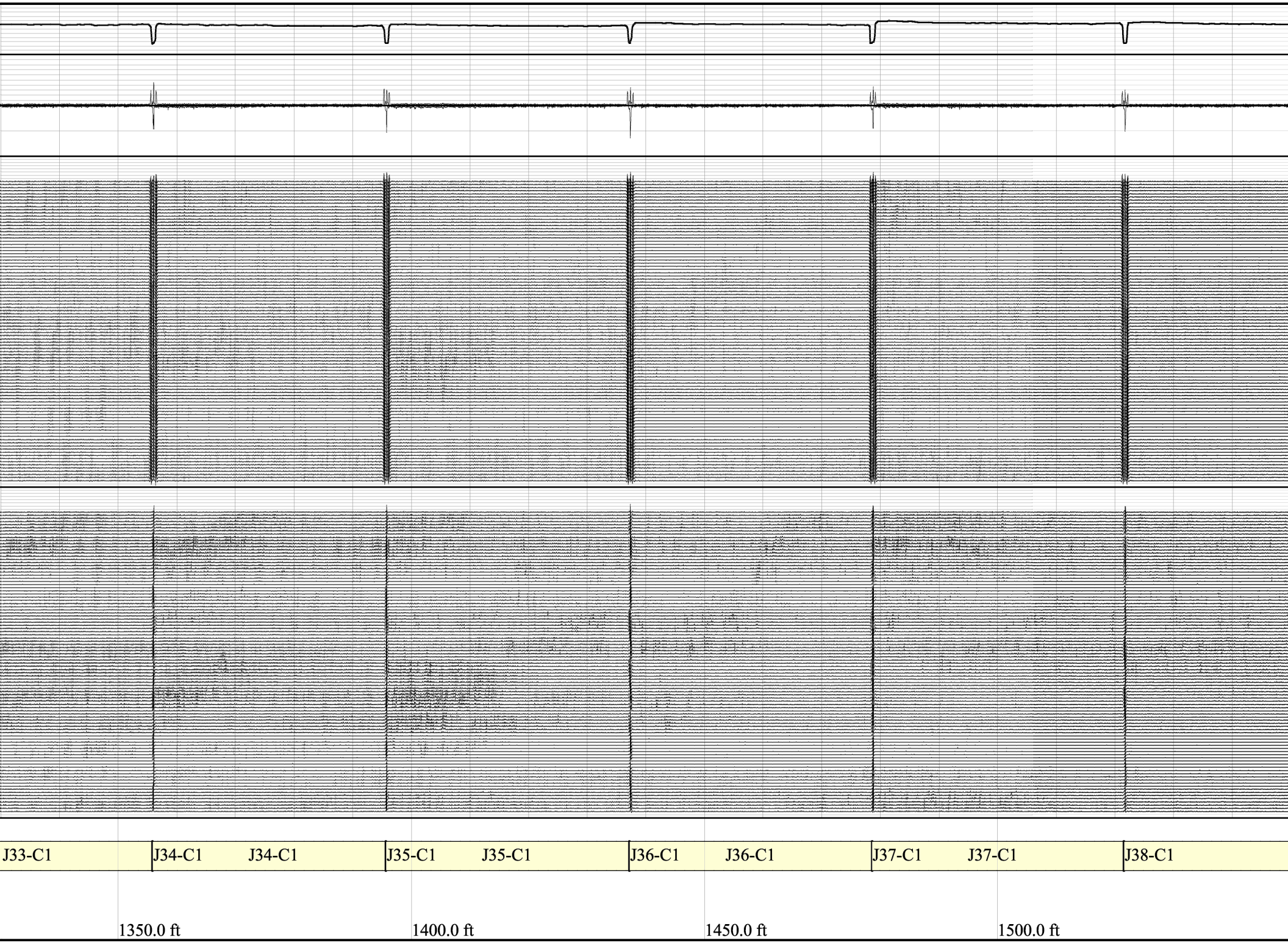
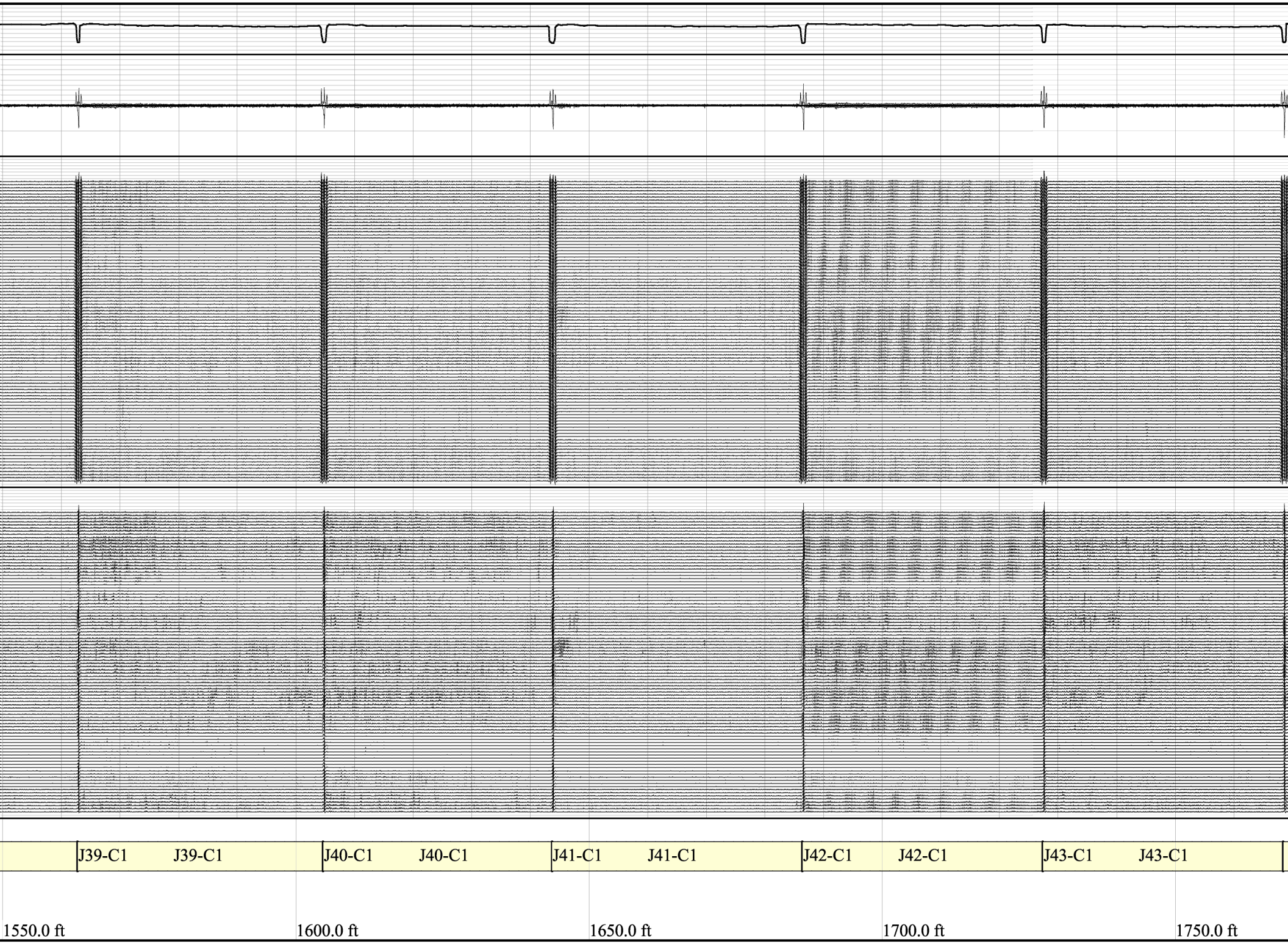
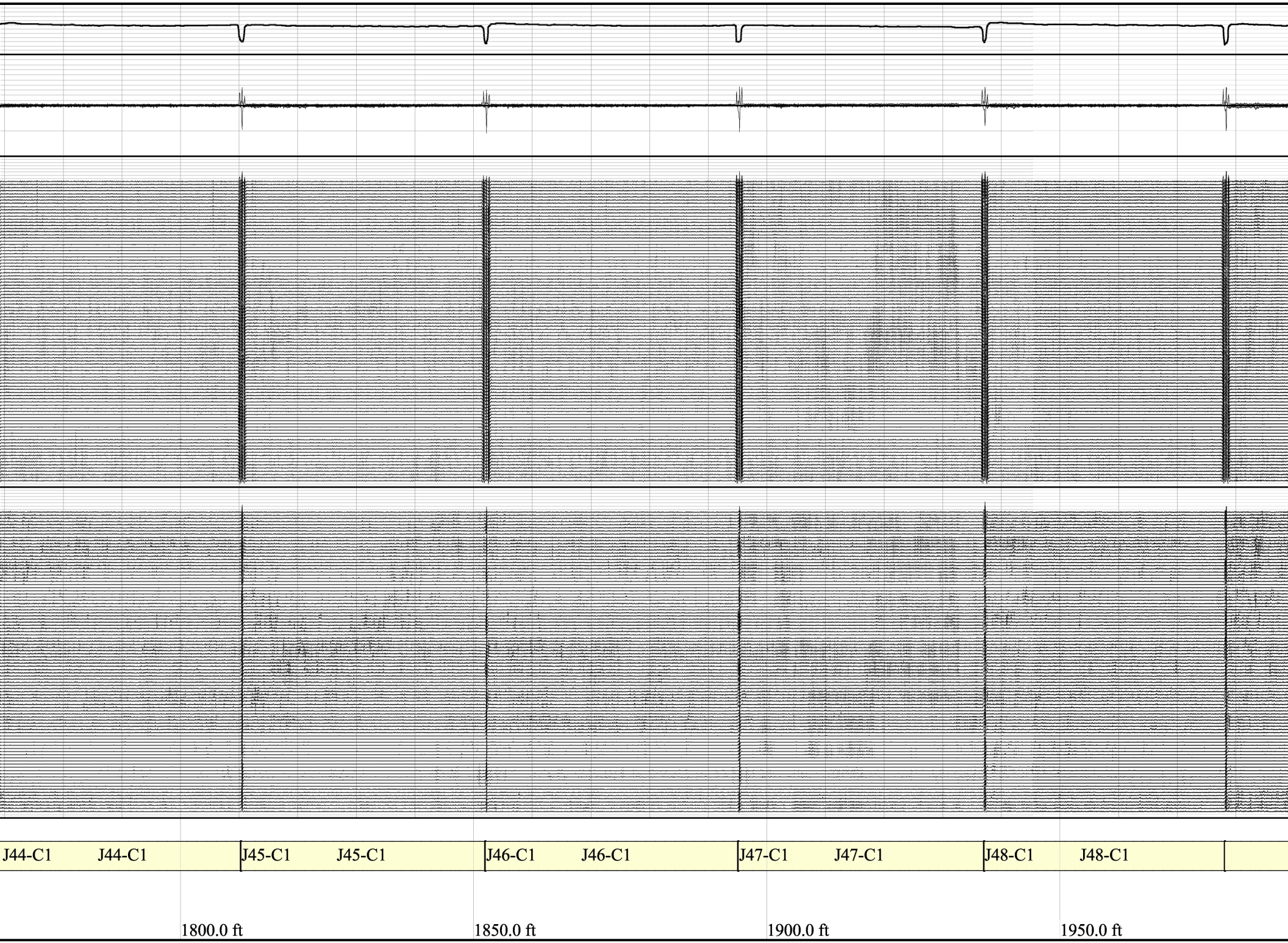
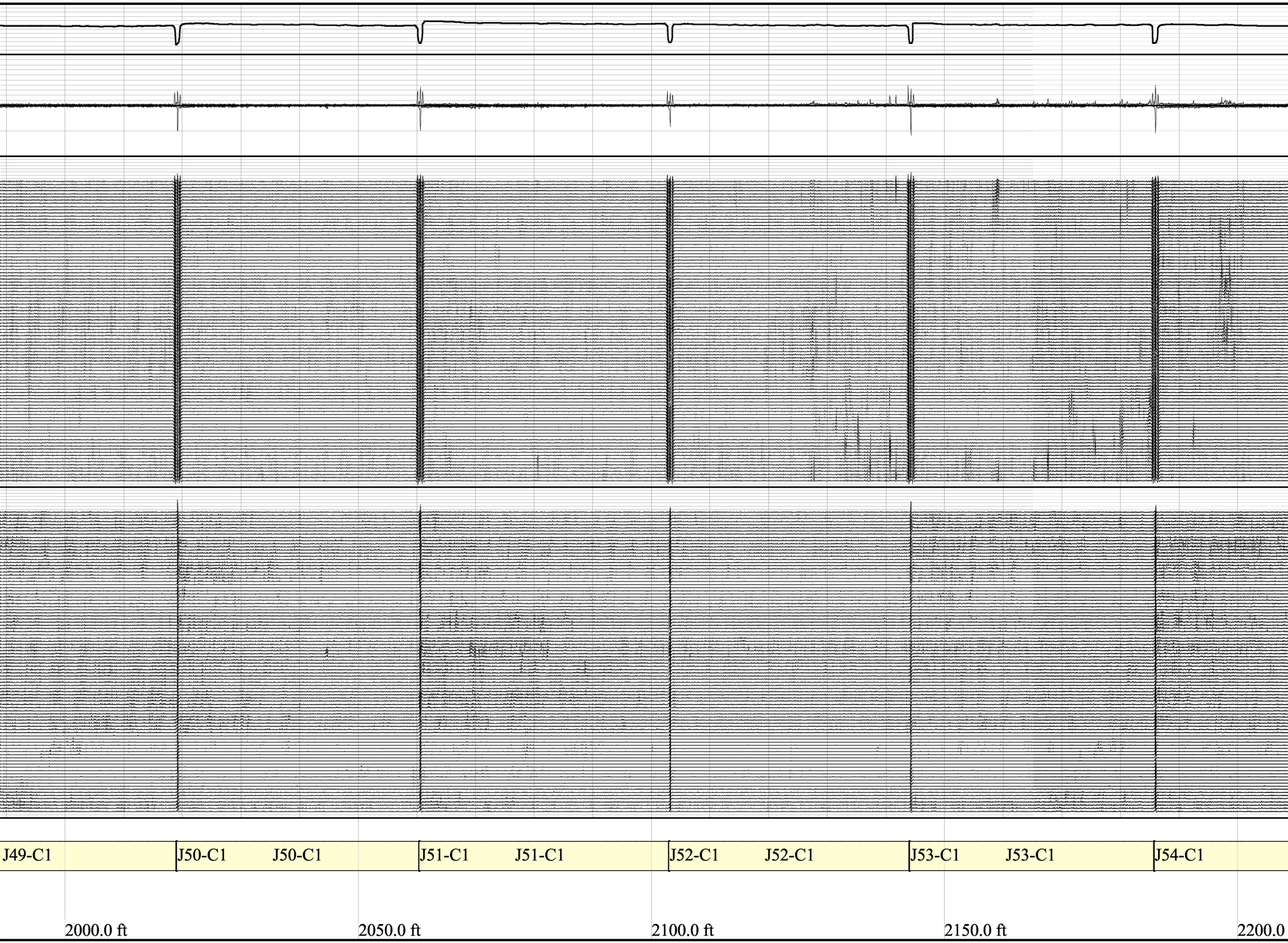
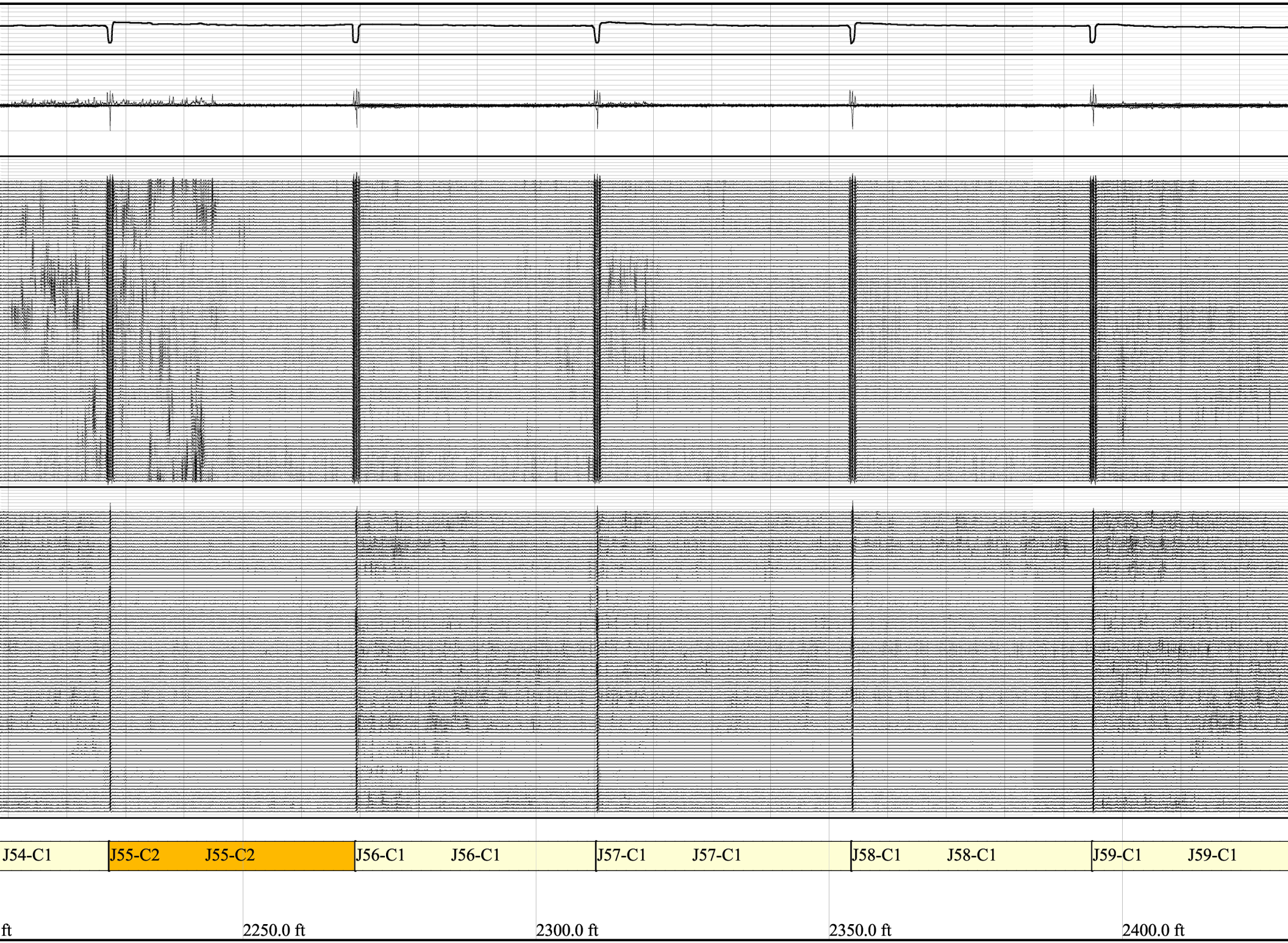
J32-C1
1150.0 ft
1200.0 ft
1250.0 ft
1300.0 ft

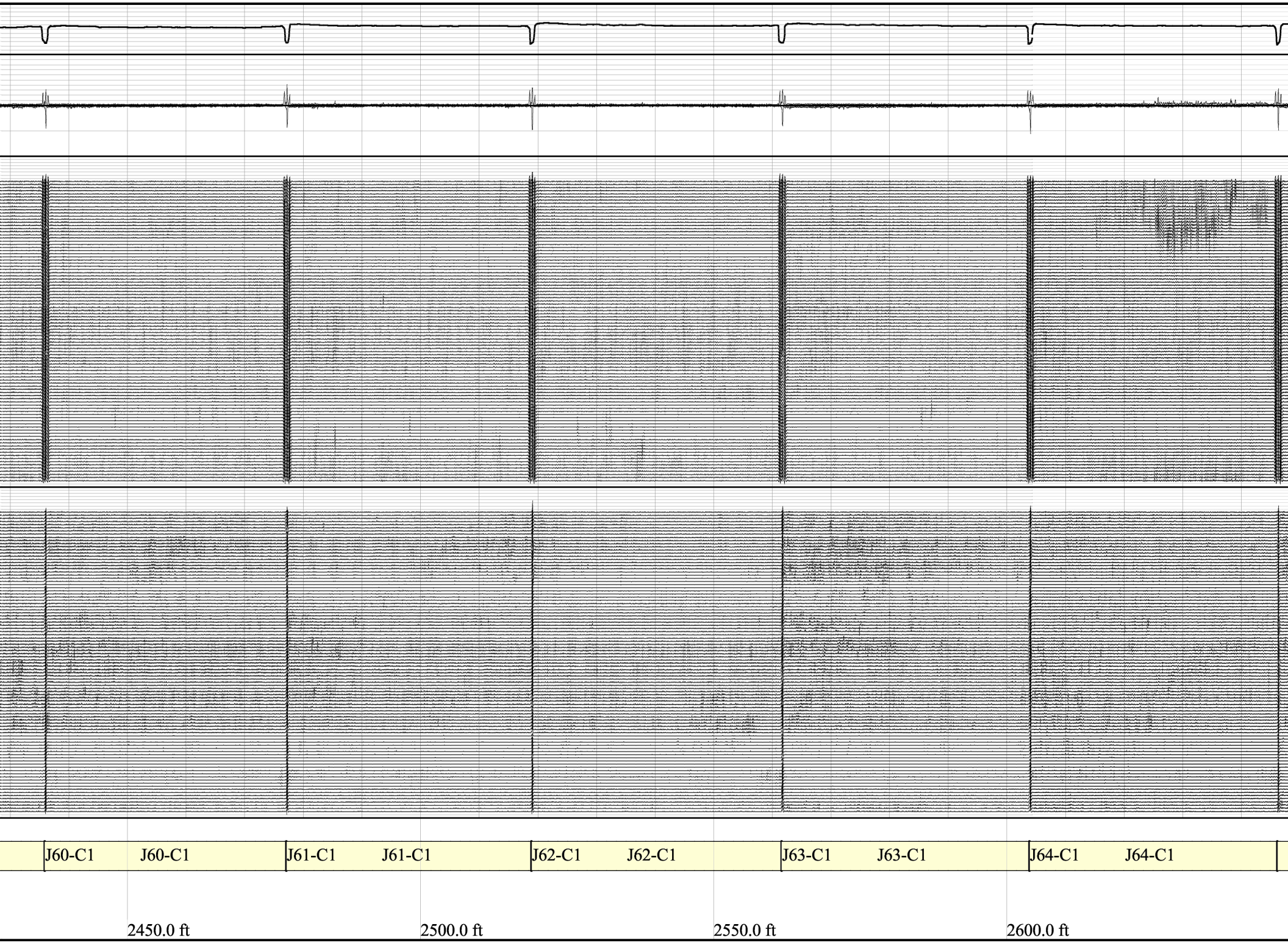

J33-C1
J34-C1
J34-C1
J35-C1
J35-C1
J36-C1
J36-C1
J37-C1
J37-C1
J38-C1
1350.0 ft
1400.0 ft
1450.0 ft
1500.0 ft

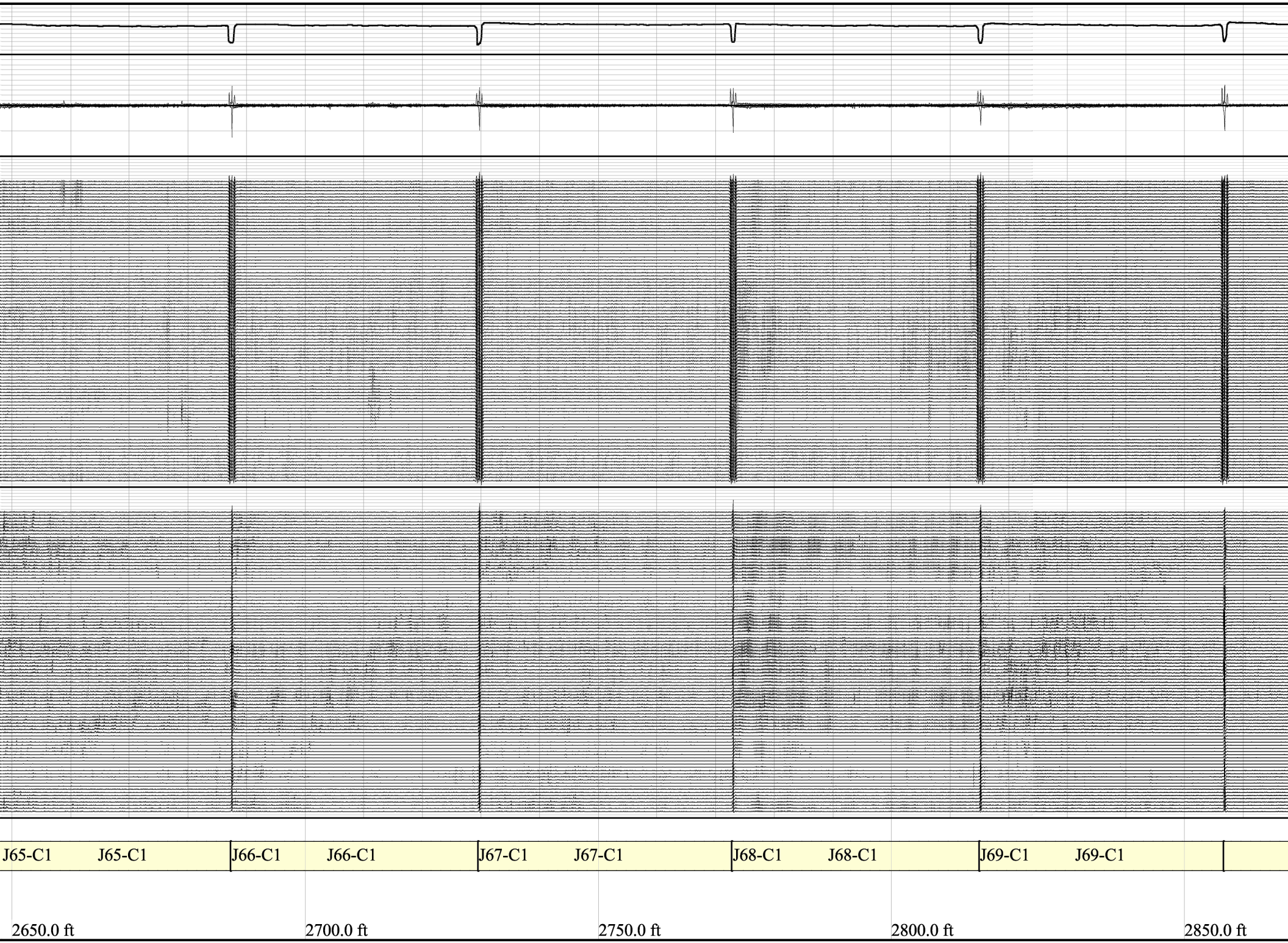

J39-C1
J39-C1
J40-C1
J40-C1
J41-C1
J41-C1
J42-C1
J42-C1
J43-C1
J43-C1
1550.0 ft
1600.0 ft
1650.0 ft
1700.0 ft
1750.0 ft

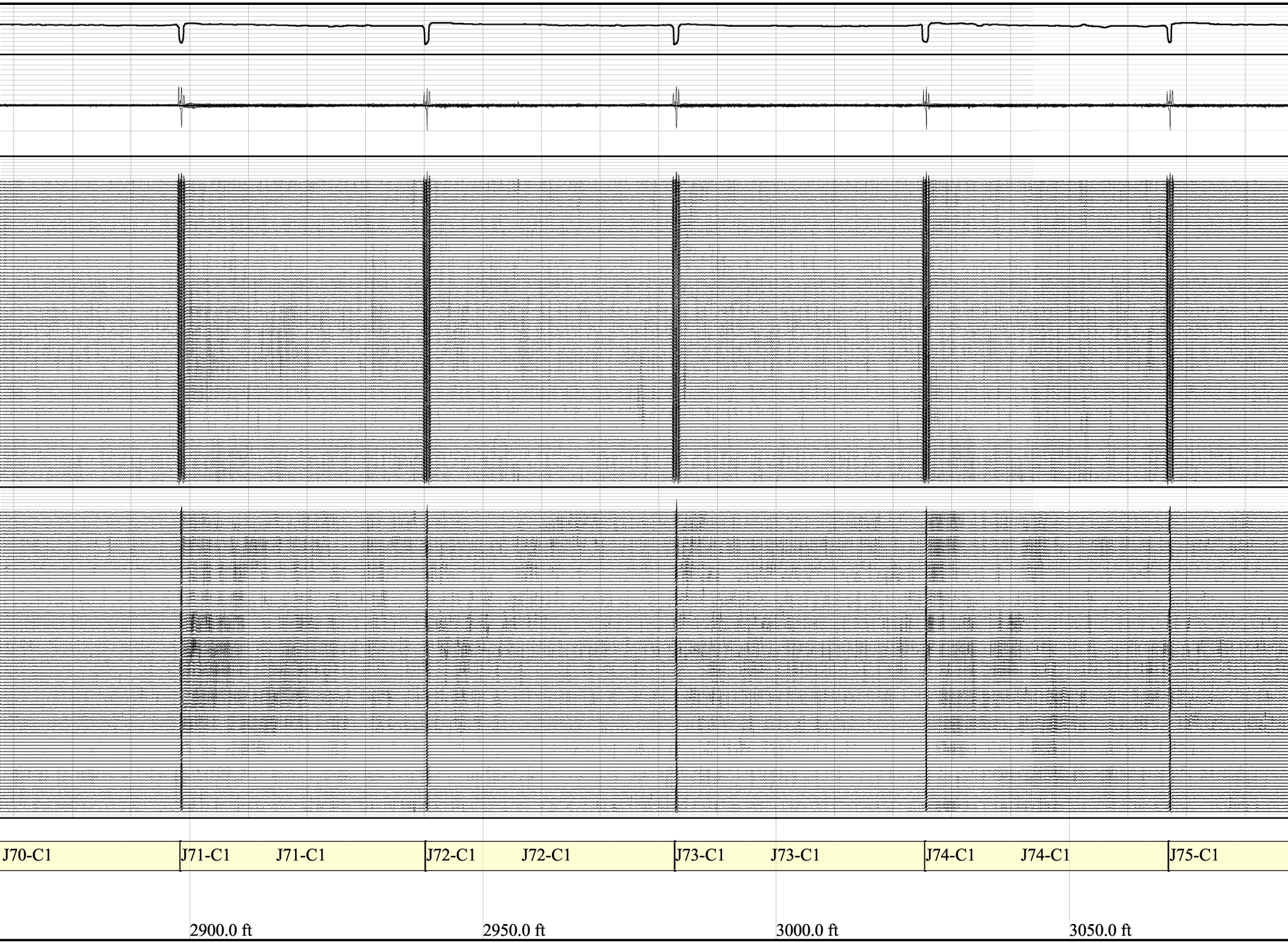

J44-C1
J44-C1
J45-C1
J45-C1
J46-C1
J46-C1
J47-C1
J47-C1
J48-C1
J48-C1
1800.0 ft
1850.0 ft
1900.0 ft
1950.0 ft

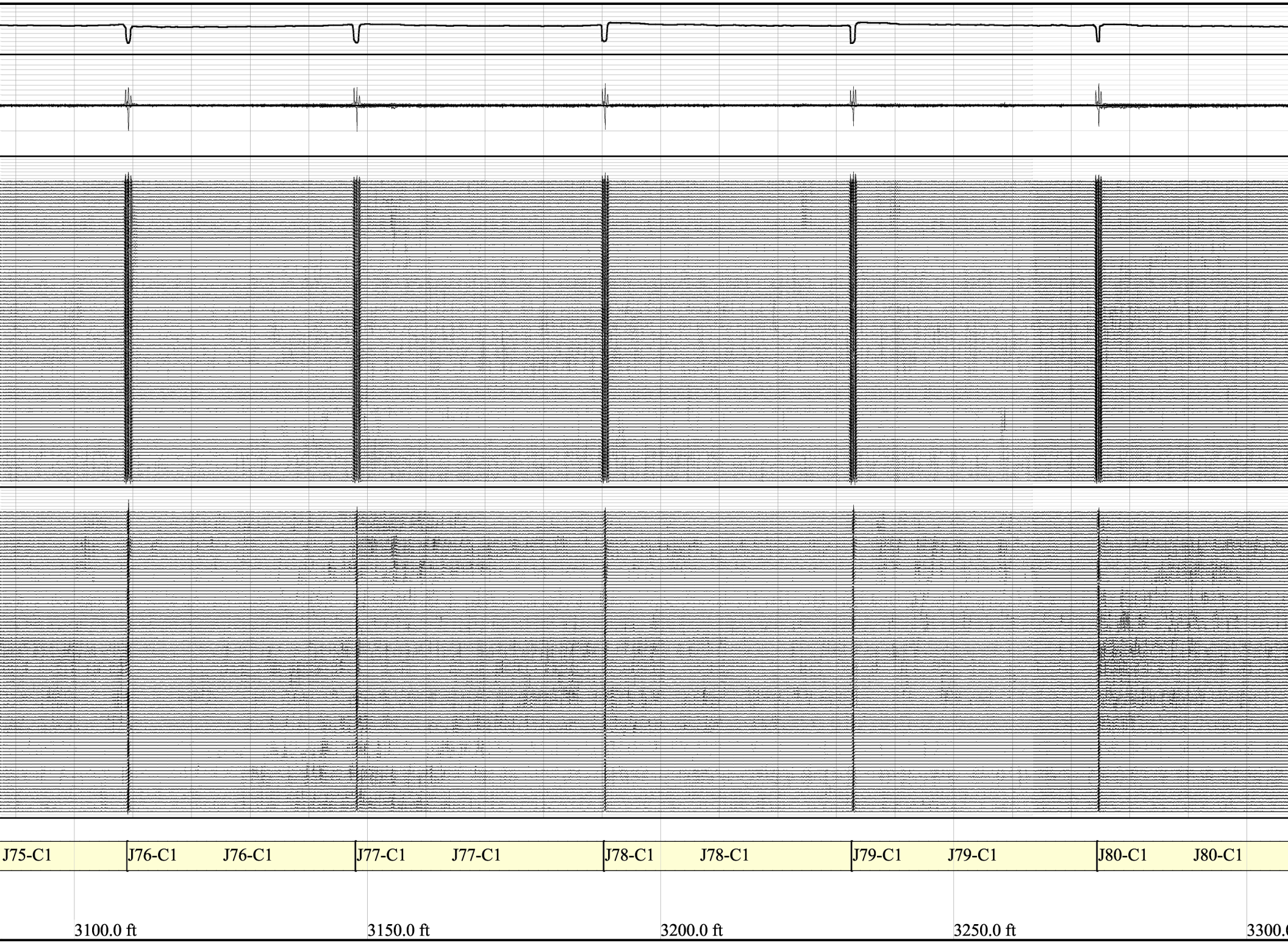

J49-C1
J50-C1
J50-C1
J51-C1
J51-C1
J52-C1
J52-C1
J53-C1
J53-C1
J54-C1
2000.0 ft
2050.0 ft
2100.0 ft
2150.0 ft
2200.0

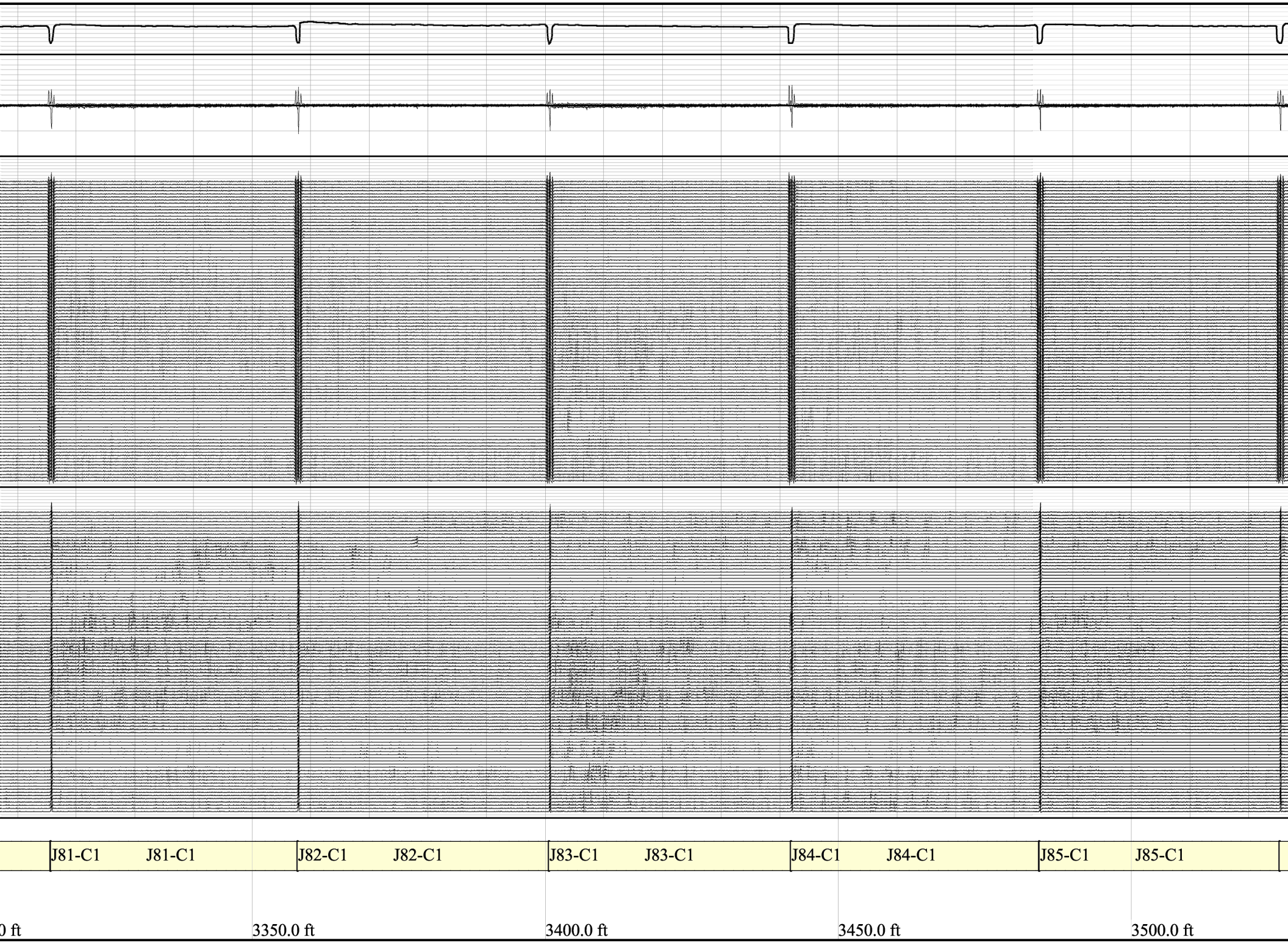

J54-C1
J55-C2
J55-C2
J56-C1
J56-C1
J57-C1
J57-C1
J58-C1
J58-C1
J59-C1
J59-C1
ft
2250.0 ft
2300.0 ft
2350.0 ft
2400.0 ft

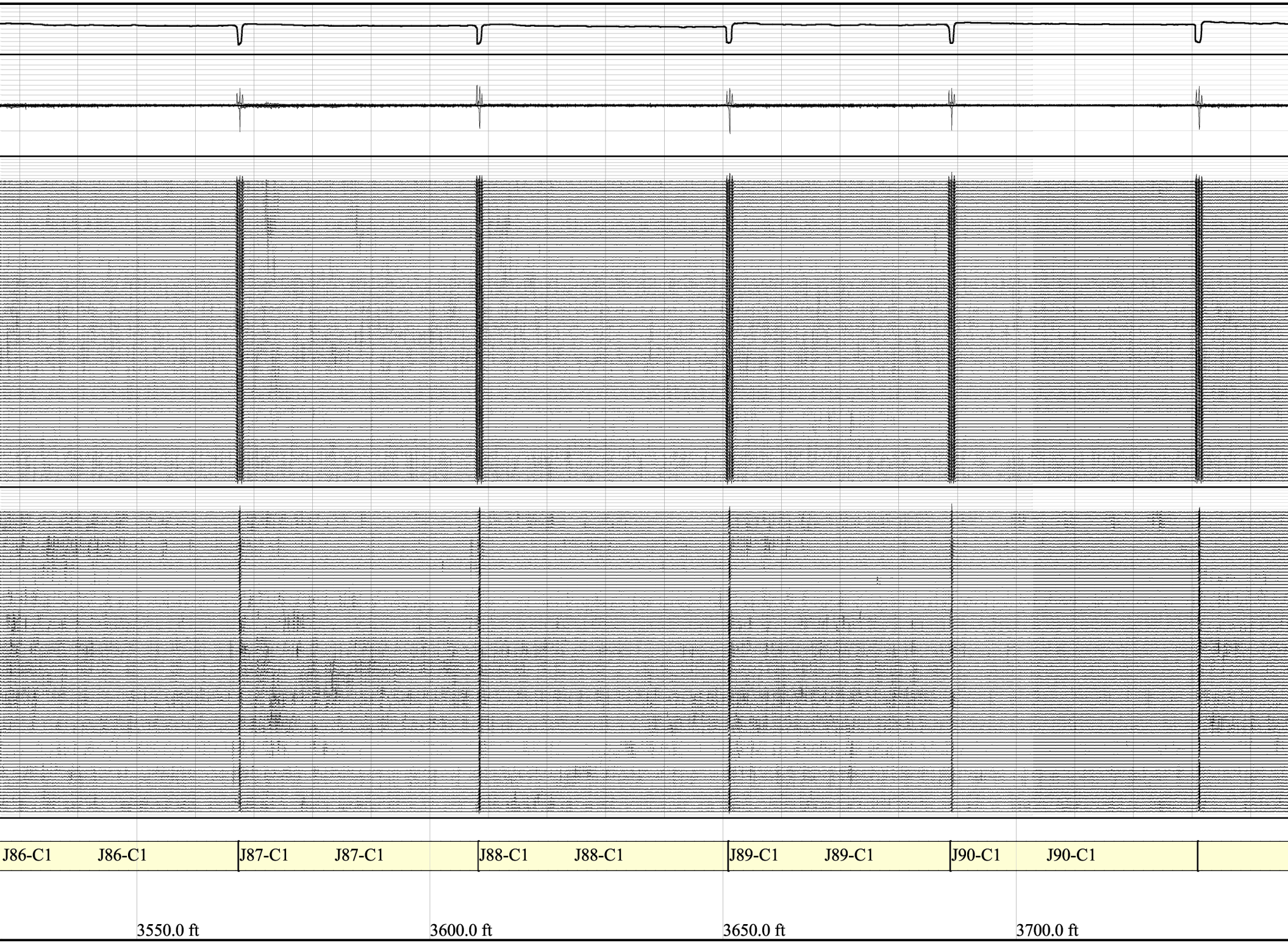

J60-C1
J60-C1
J61-C1
J61-C1
J62-C1
J62-C1
J63-C1
J63-C1
J64-C1
J64-C1
2450.0 ft
2500.0 ft
2550.0 ft
2600.0 ft

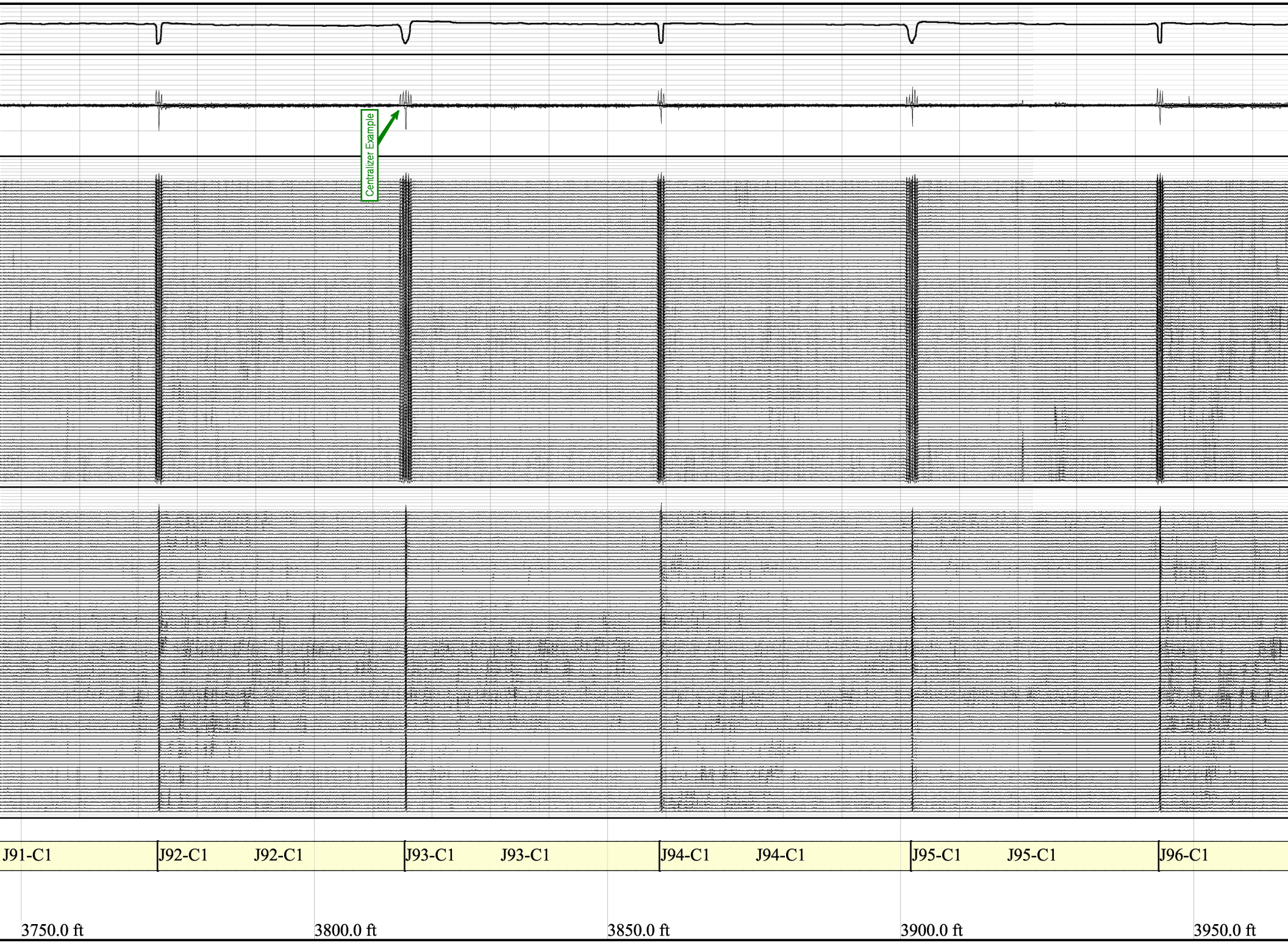

J65-C1
J65-C1
J66-C1
J66-C1
J67-C1
J67-C1
J68-C1
J68-C1
J69-C1
J69-C1
2650.0 ft
2700.0 ft
2750.0 ft
2800.0 ft
2850.0 ft

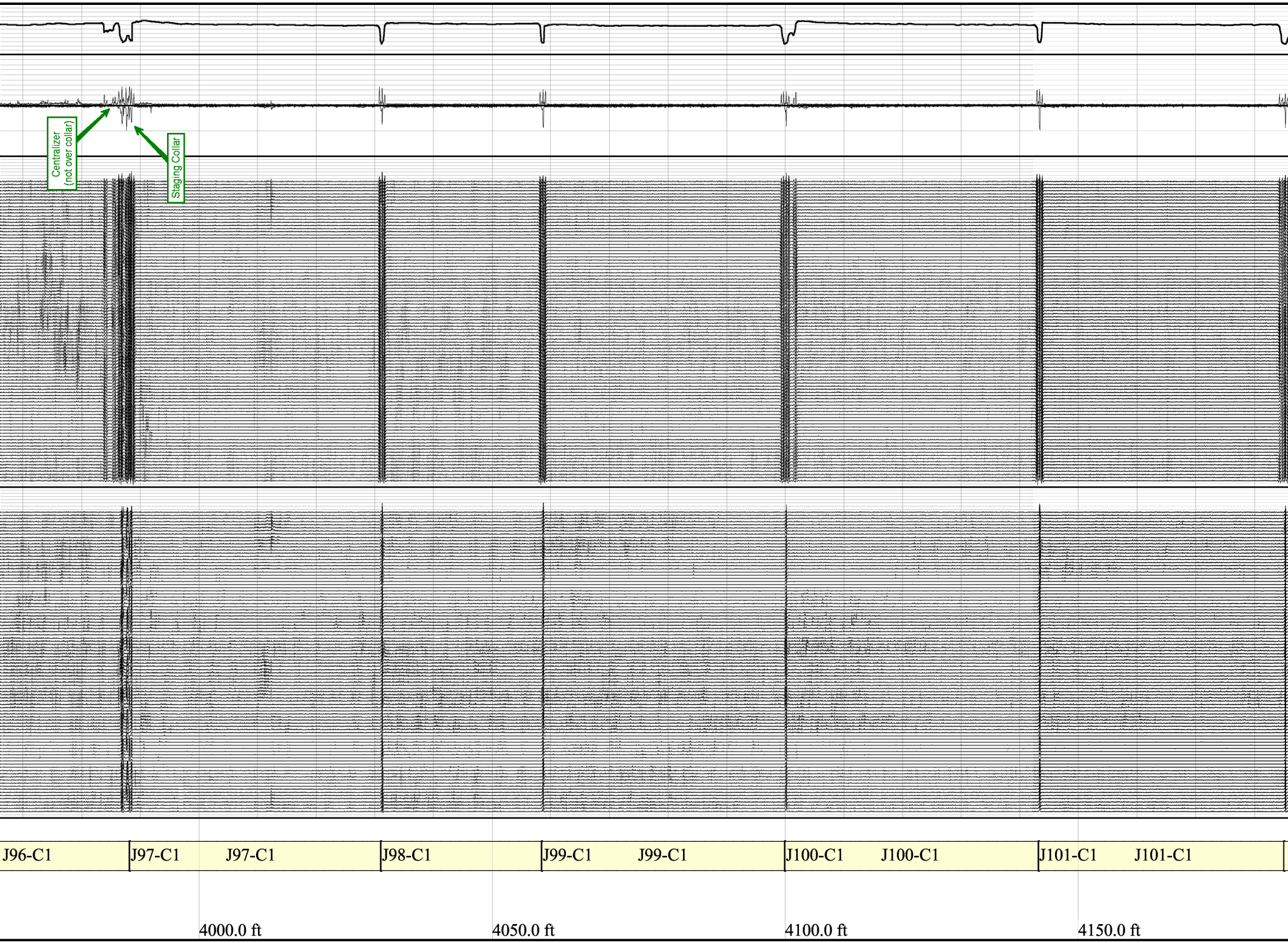

J70-C1
J71-C1
J71-C1
J72-C1
J72-C1
J73-C1
J73-C1
J74-C1
J74-C1
J75-C1
2900.0 ft
2950.0 ft
3000.0 ft
3050.0 ft

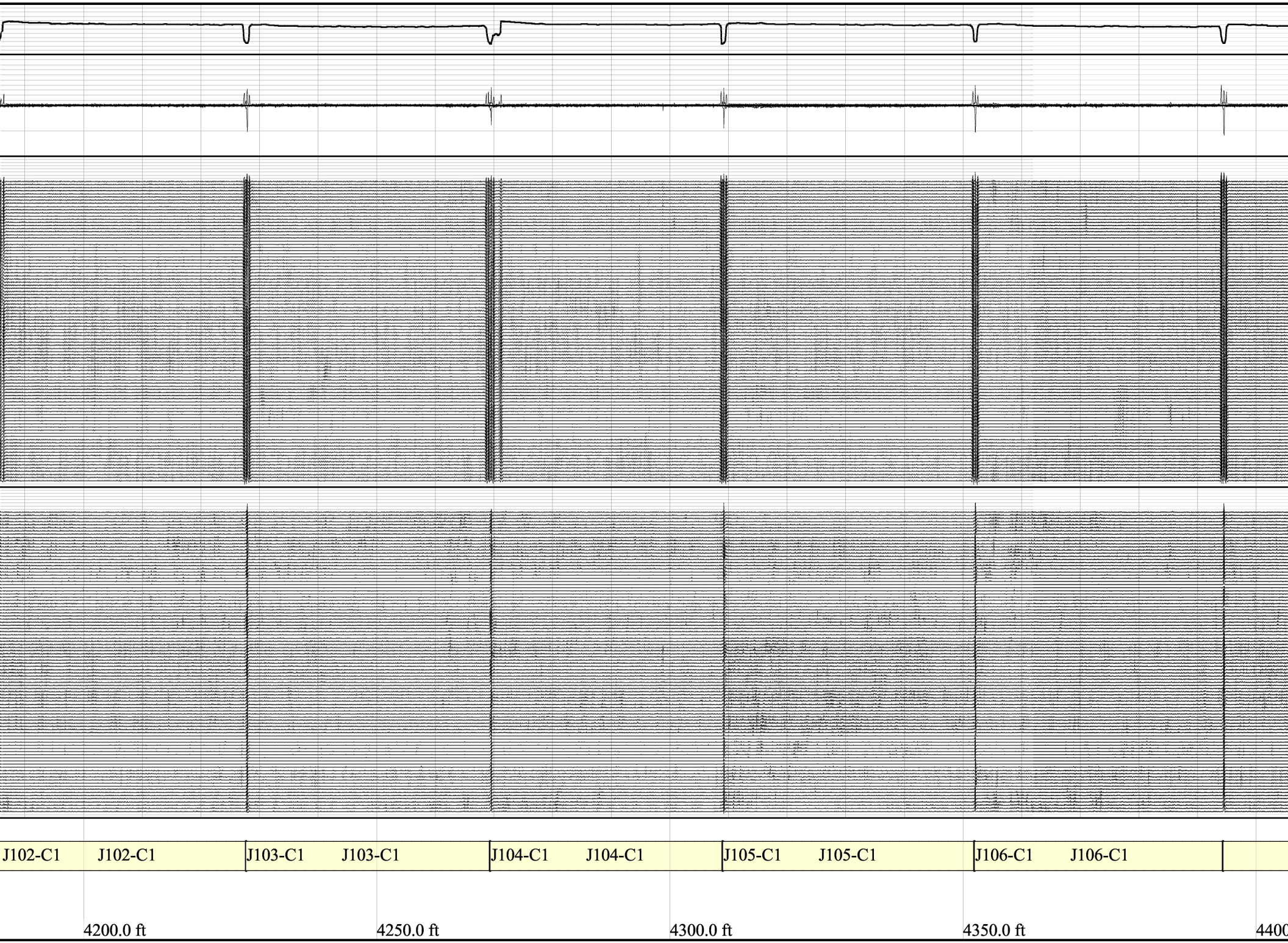

J75-C1
J76-C1
J76-C1
J77-C1
J77-C1
J78-C1
J78-C1
J79-C1
J79-C1
J80-C1
J80-C1
3100.0 ft
3150.0 ft
3200.0 ft
3250.0 ft

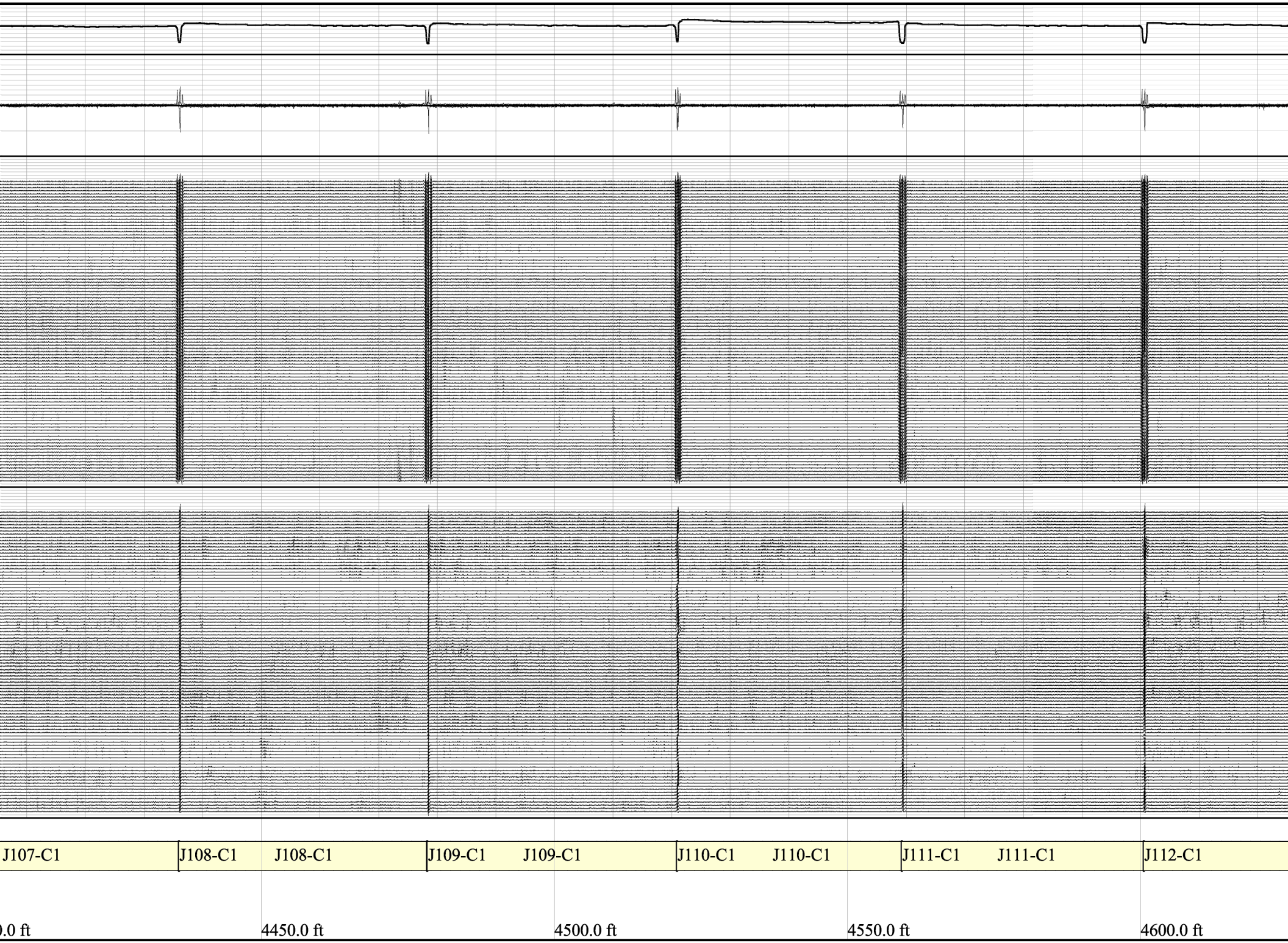

J81-C1
J81-C1
J82-C1
J82-C1
J83-C1
J83-C1
J84-C1
J84-C1
J85-C1
J85-C1
0 ft
3350.0 ft
3400.0 ft
3450.0 ft
3500.0 ft

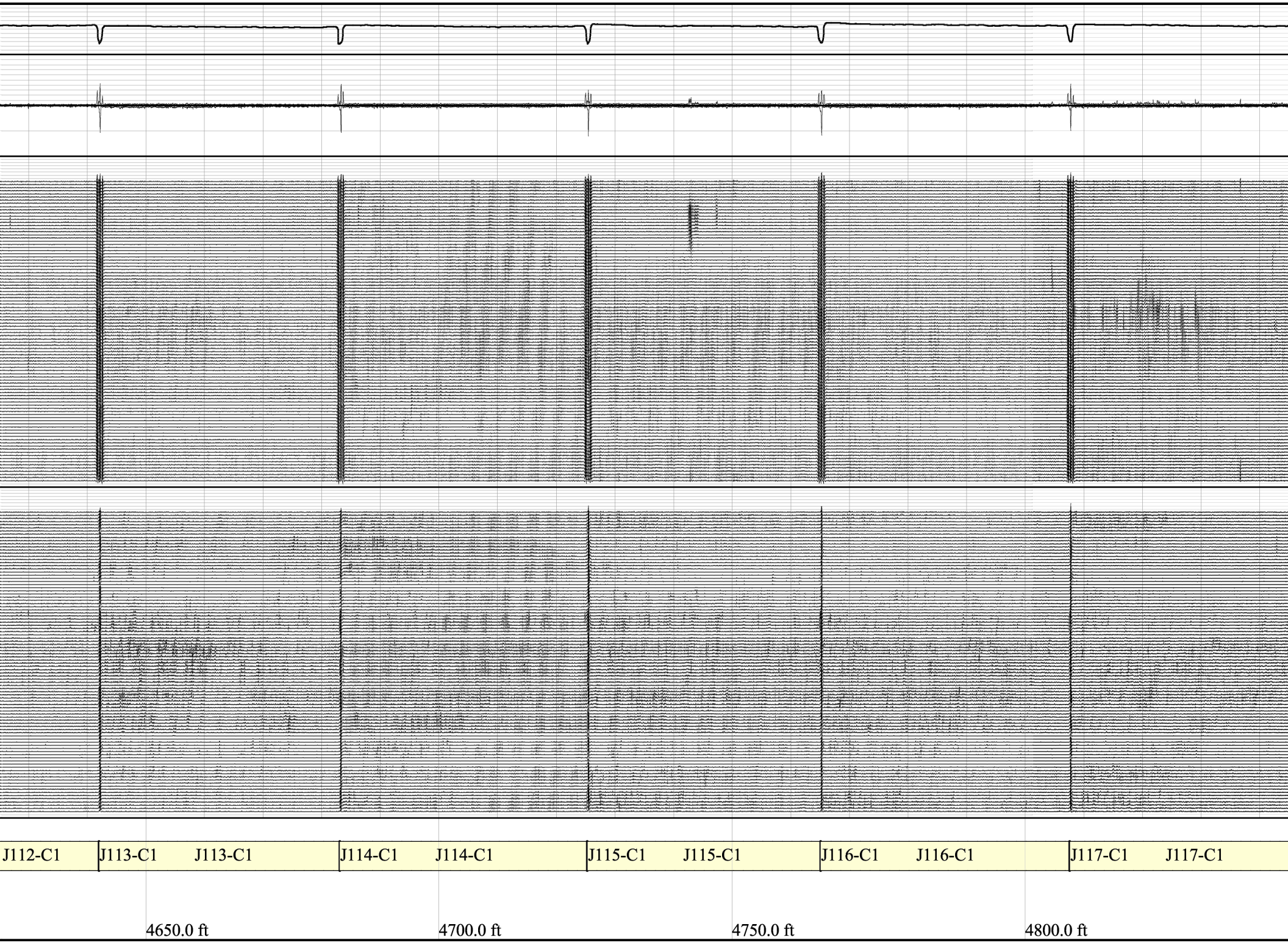

J86-C1
J86-C1
J87-C1
J87-C1
J88-C1
J88-C1
J89-C1
J89-C1
J90-C1
J90-C1
3550.0 ft
3600.0 ft
3650.0 ft
3700.0 ft

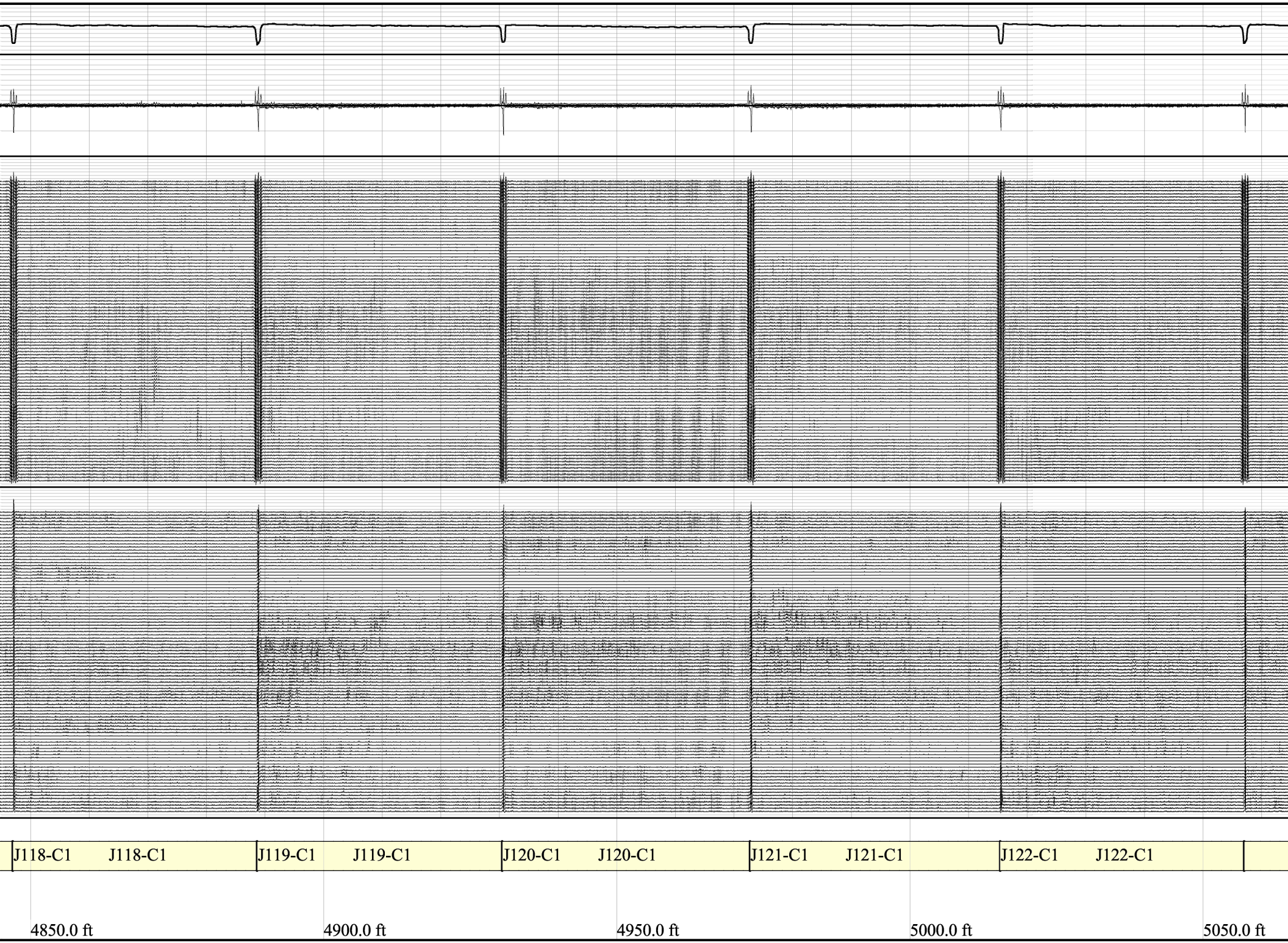

Centralizer Example
J91-C1
J92-C1
J92-C1
J93-C1
J93-C1
J94-C1
J94-C1
J95-C1
J95-C1
J96-C1
3750.0 ft
3800.0 ft
3850.0 ft
3900.0 ft
3950.0 ft

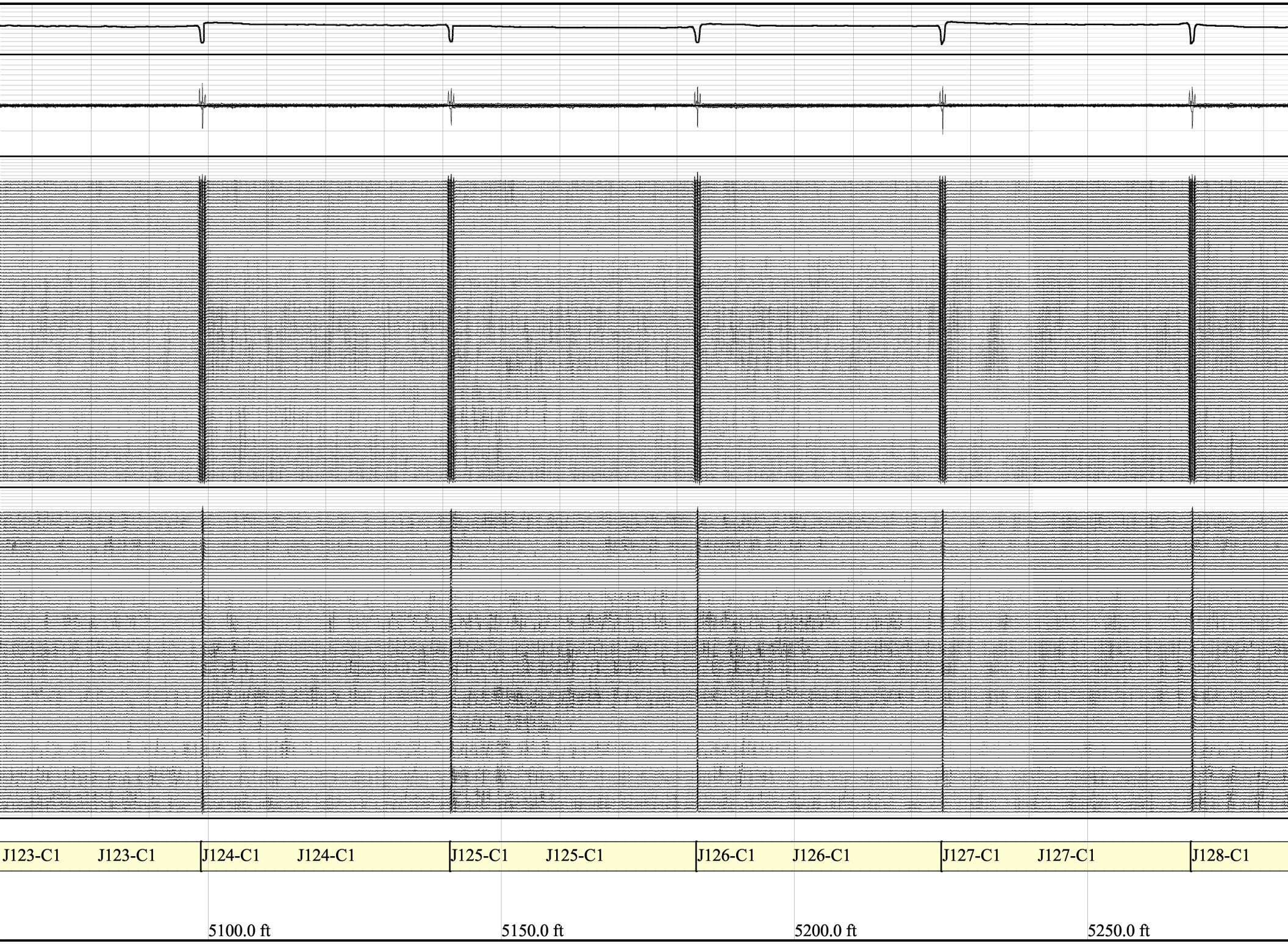

Centralizer
(not over collar)
Staging Collar
J96-C1
J97-C1
J97-C1
J98-C1
J99-C1
J99-C1
J100-C1
J100-C1
J101-C1
J101-C1
4000.0 ft
4050.0 ft
4100.0 ft
4150.0 ft

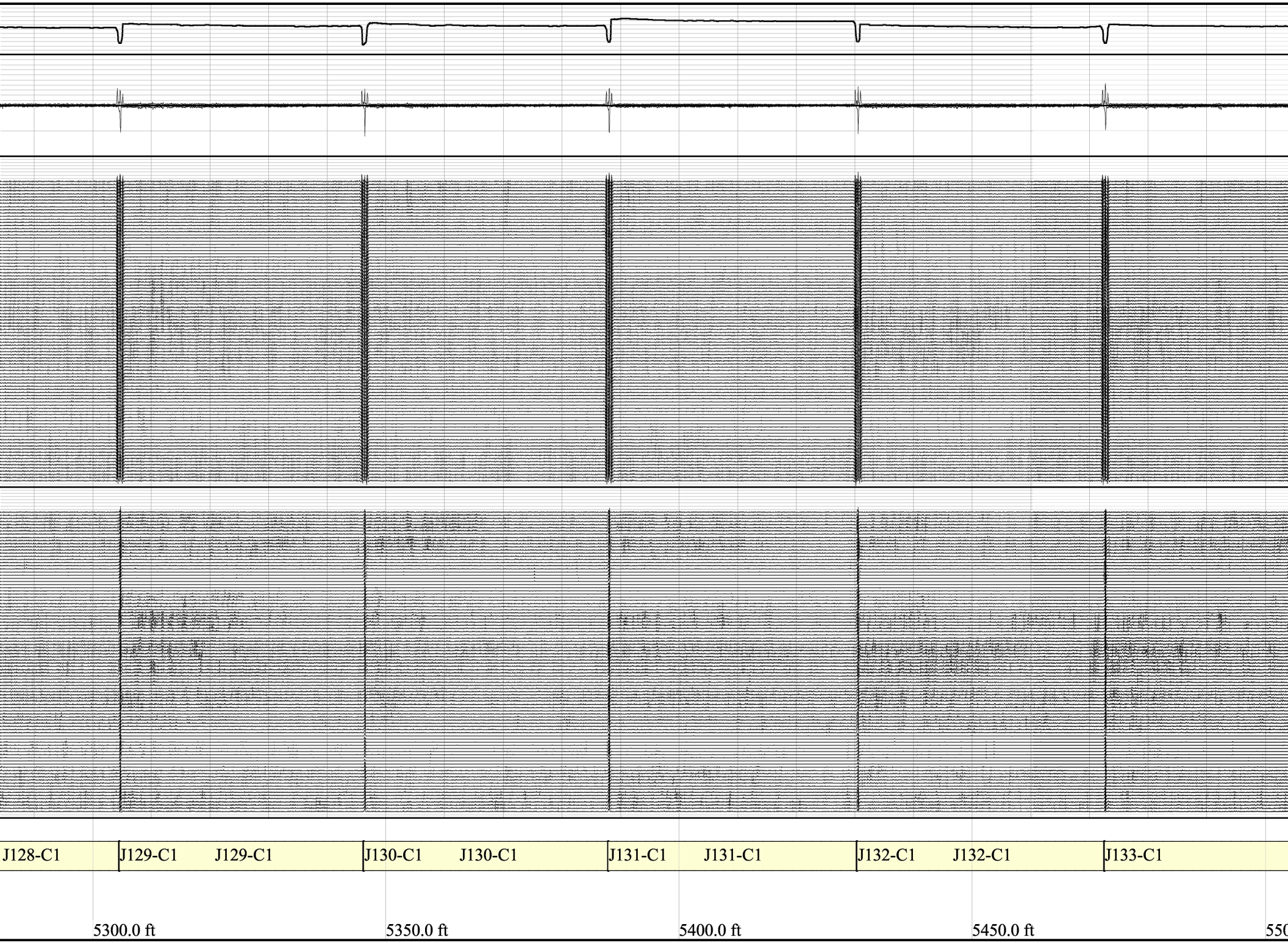

J102-C1
J102-C1
J103-C1
J103-C1
J104-C1
J104-C1
J105-C1
J105-C1
J106-C1
J106-C1
4200.0 ft
4250.0 ft
4300.0 ft
4350.0 ft

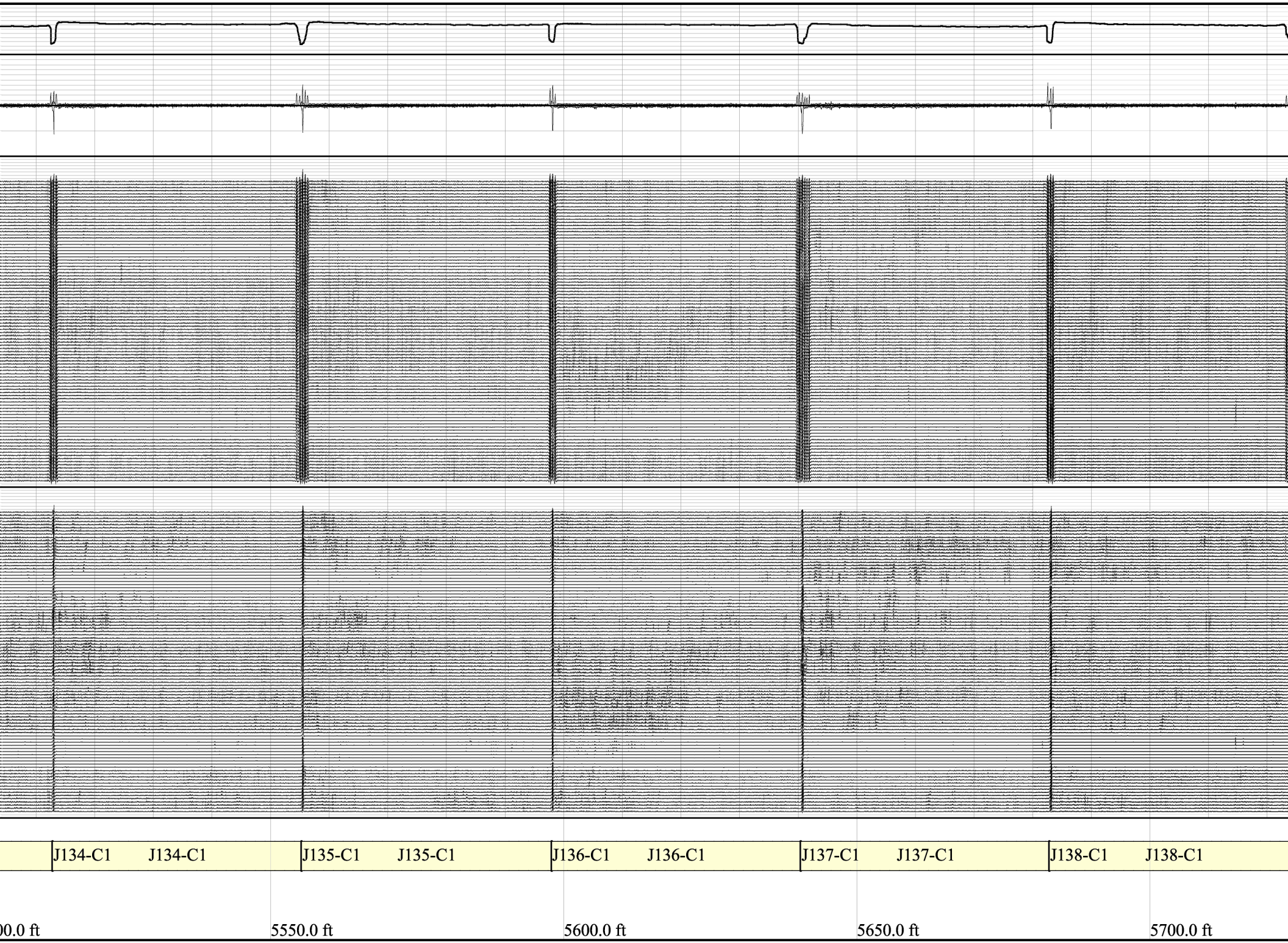

J107-C1
J108-C1
J108-C1
J109-C1
J109-C1
J110-C1
J110-C1
J111-C1
J111-C1
J112-C1
0.0 ft
4450.0 ft
4500.0 ft
4550.0 ft
4600.0 ft

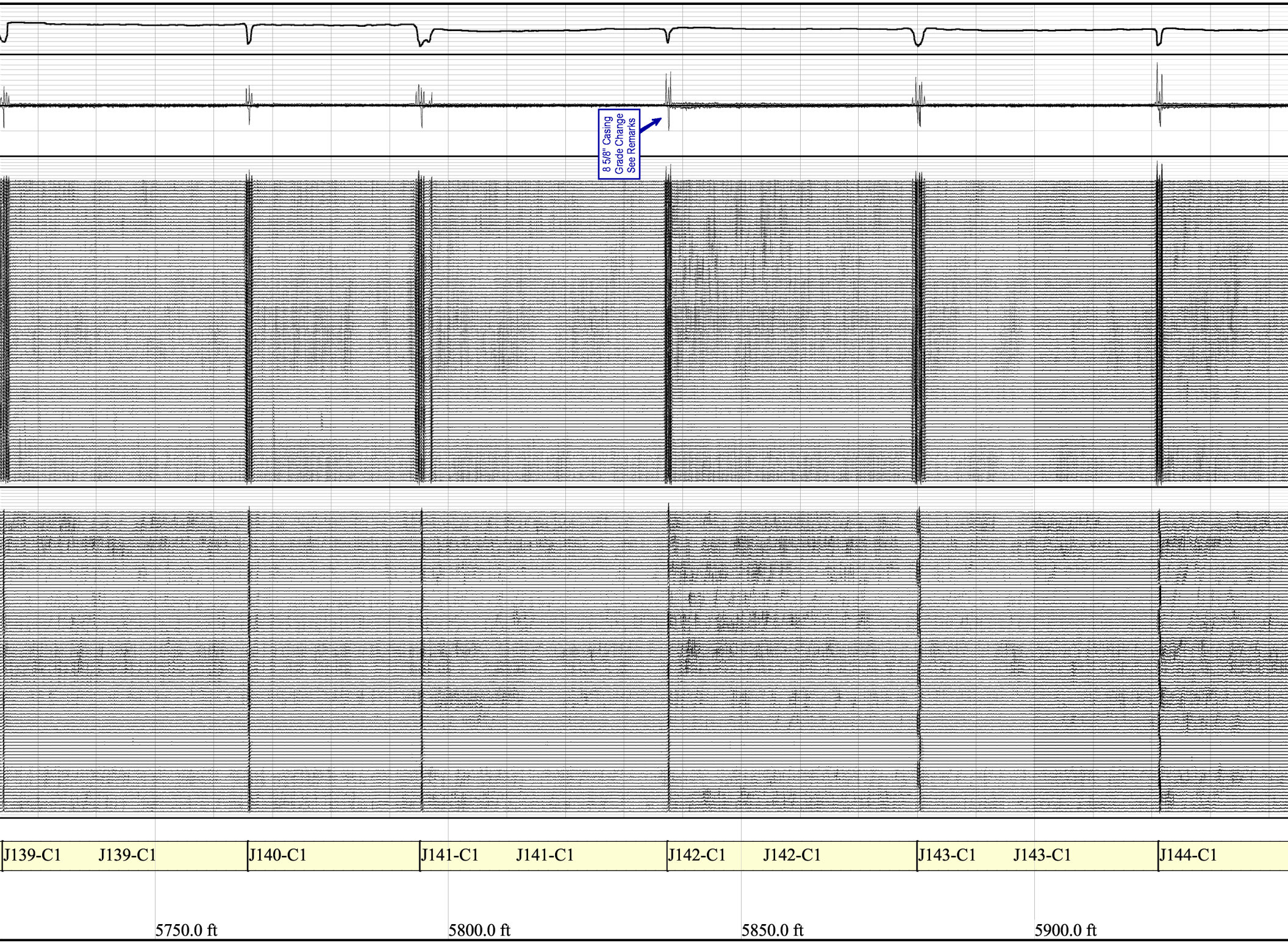

J112-C1
J113-C1
J113-C1
J114-C1
J114-C1
J115-C1
J115-C1
J116-C1
J116-C1
J117-C1
J117-C1
4650.0 ft
4700.0 ft
4750.0 ft
4800.0 ft

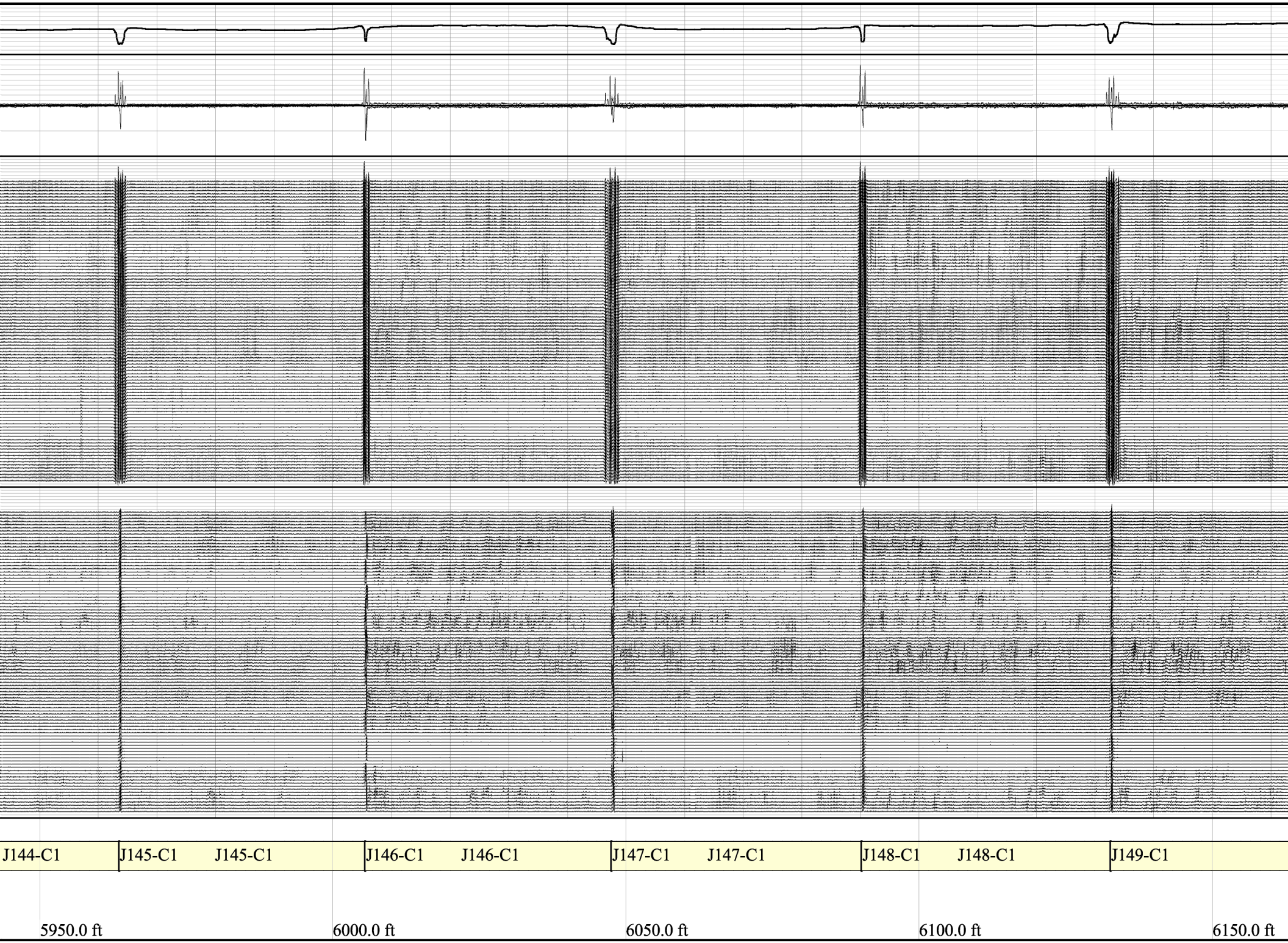

J118-C1
J118-C1
J119-C1
J119-C1
J120-C1
J120-C1
J121-C1
J121-C1
J122-C1
J122-C1
4850.0 ft
4900.0 ft
4950.0 ft
5000.0 ft
5050.0 ft

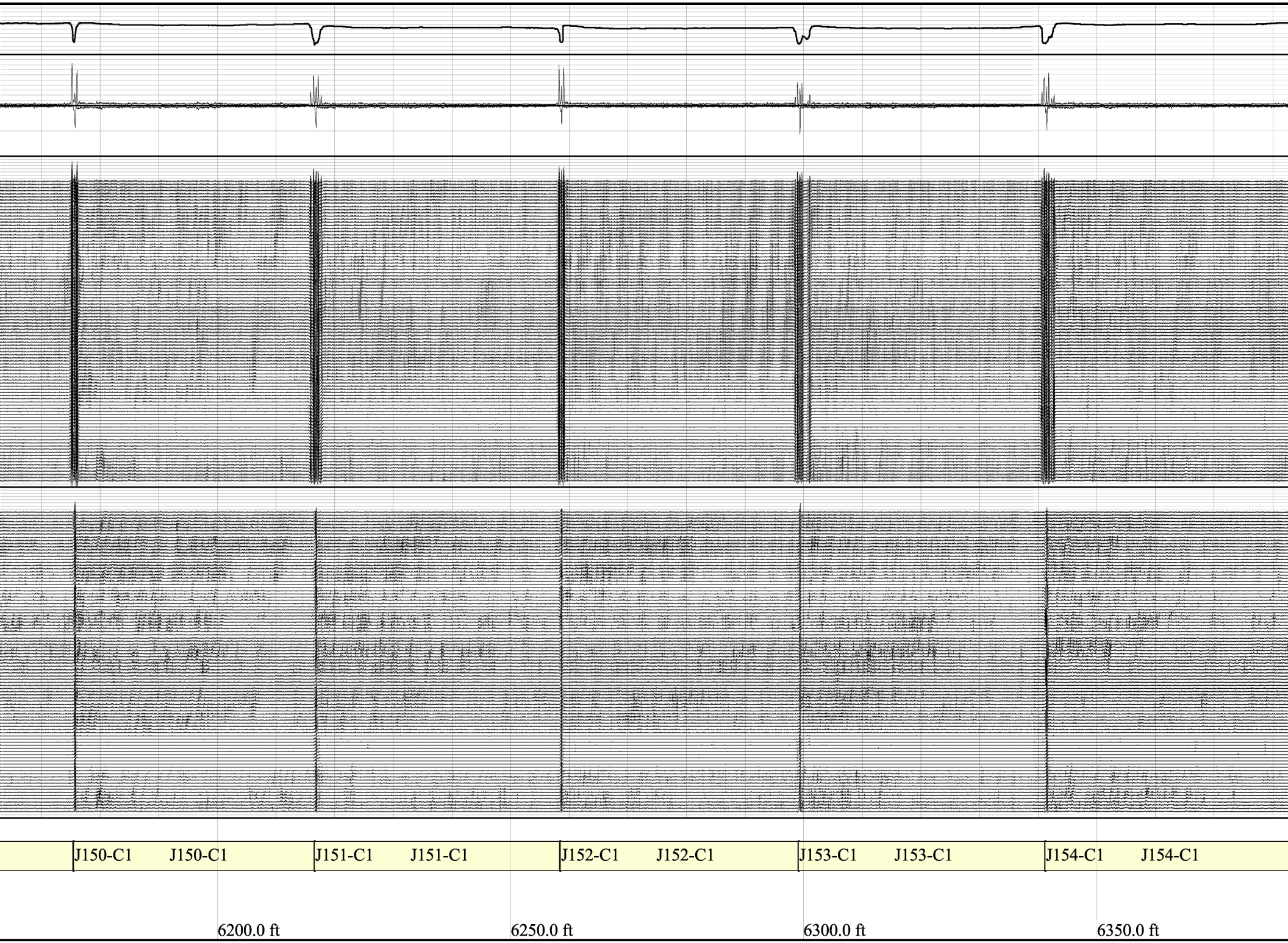

J123-C1
J123-C1
J124-C1
J124-C1
J125-C1
J125-C1
J126-C1
J126-C1
J127-C1
J127-C1
J128-C1
5100.0 ft
5150.0 ft
5200.0 ft
5250.0 ft

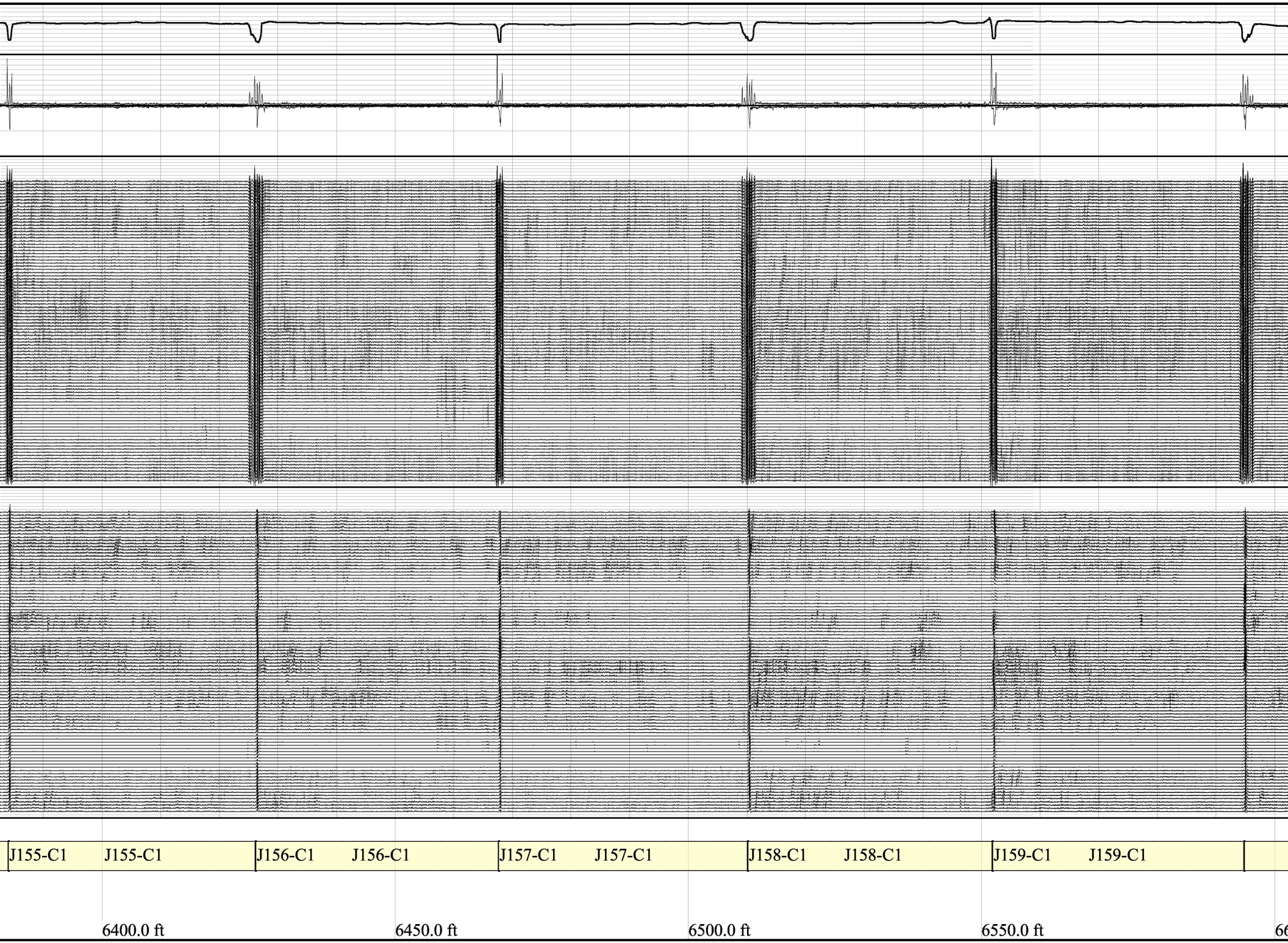

J128-C1
J129-C1
J129-C1
J130-C1
J130-C1
J131-C1
J131-C1
J132-C1
J132-C1
J133-C1
5300.0 ft
5350.0 ft
5400.0 ft
5450.0 ft

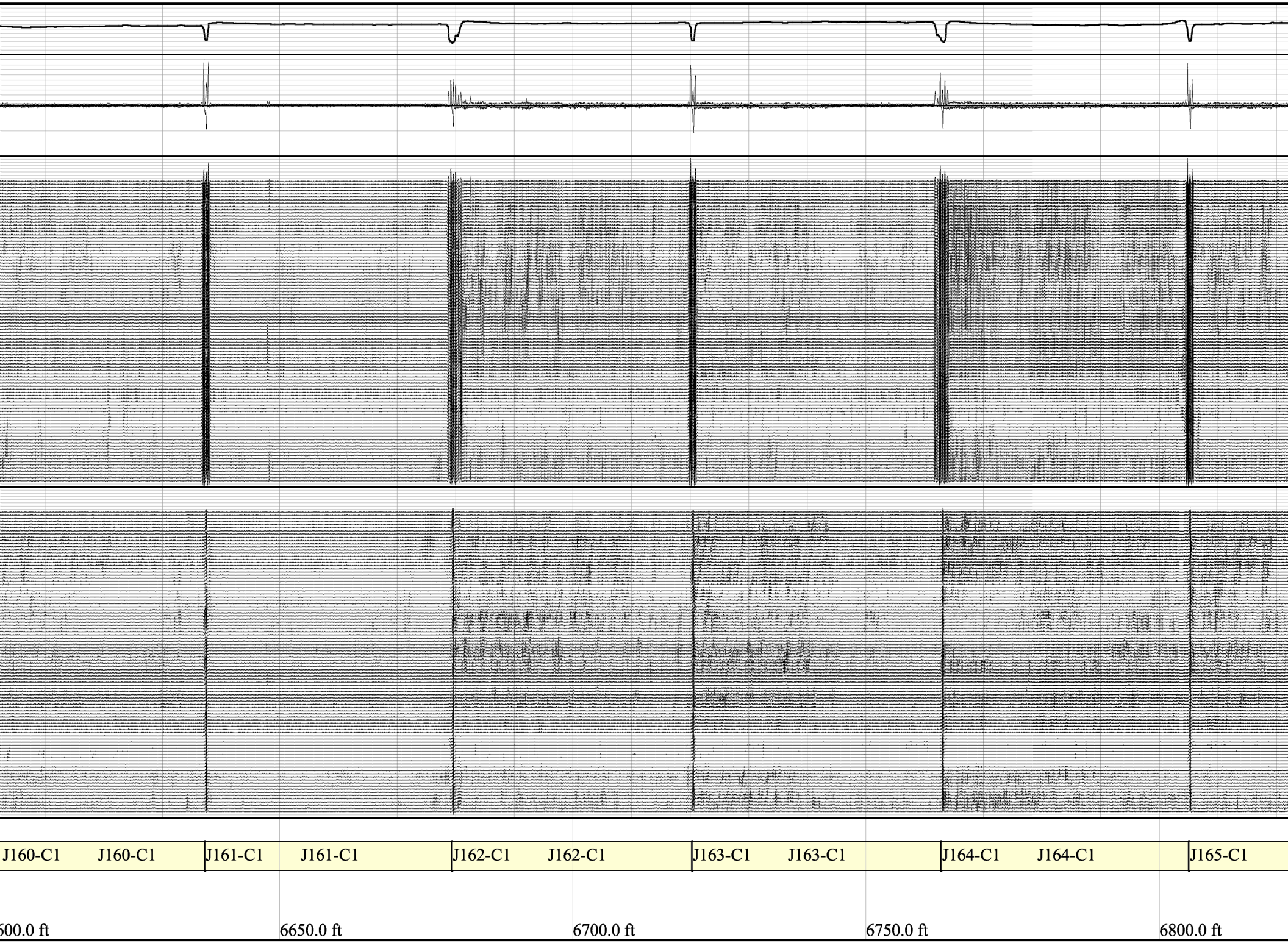

J134-C1
J134-C1
J135-C1
J135-C1
J136-C1
J136-C1
J137-C1
J137-C1
J138-C1
J138-C1
00.0 ft
5550.0 ft
5600.0 ft
5650.0 ft
5700.0 ft

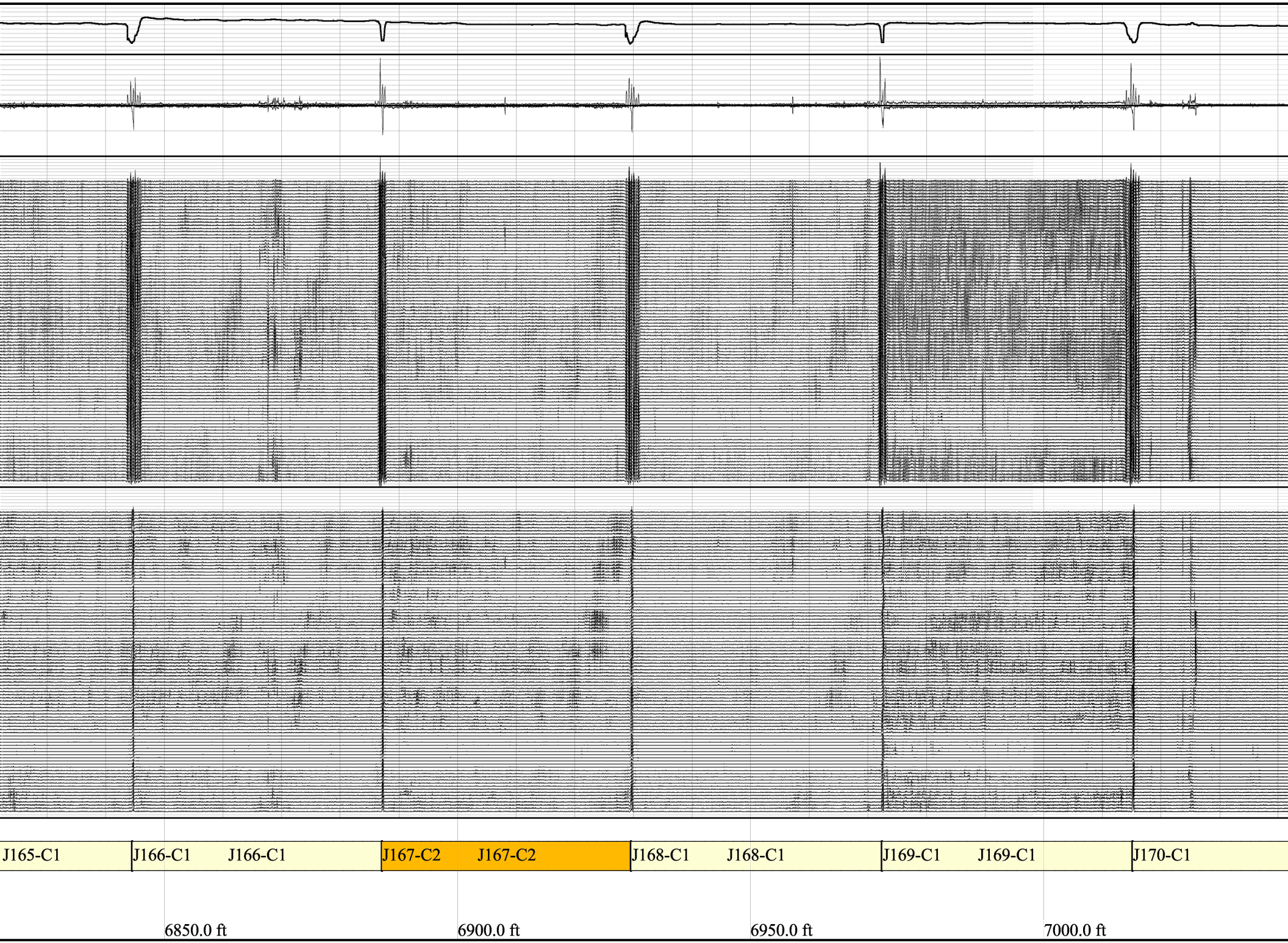

8 5/8" Casing
Grade Change
See Remarks
J139-C1
J139-C1
J140-C1
J141-C1
J141-C1
J142-C1
J142-C1
J143-C1
J143-C1
J144-C1
5750.0 ft
5800.0 ft
5850.0 ft
5900.0 ft


J144-C1
J145-C1
J145-C1
J146-C1
J146-C1
J147-C1
J147-C1
J148-C1
J148-C1
J149-C1
5950.0 ft
6000.0 ft
6050.0 ft
6100.0 ft
6150.0 ft


J150-C1
J150-C1
J151-C1
J151-C1
J152-C1
J152-C1
J153-C1
J153-C1
J154-C1
J154-C1
6200.0 ft
6250.0 ft
6300.0 ft
6350.0 ft


J155-C1
J155-C1
J156-C1
J156-C1
J157-C1
J157-C1
J158-C1
J158-C1
J159-C1
J159-C1
6400.0 ft
6450.0 ft
6500.0 ft
6550.0 ft


J160-C1
J160-C1
J161-C1
J161-C1
J162-C1
J162-C1
J163-C1
J163-C1
J164-C1
J164-C1
J165-C1
600.0 ft
6650.0 ft
6700.0 ft
6750.0 ft
6800.0 ft


J165-C1
J166-C1
J166-C1
J167-C2
J167-C2
J168-C1
J168-C1
J169-C1
J169-C1
J170-C1
6850.0 ft
6900.0 ft
6950.0 ft
7000.0 ft

Southern California Gas Company Fernando Fee 35B
File 20160714_081635_RSP_0_0_0_0_0.mvl

Joint Summary

Southern California Gas Company
Aliso Canyon
Fernando Fee 35B

Identifier	Start Log Depth	Joint Length	Diameter	Wall Thickness	Weight	Max ML Depth	Max ML Position	Min Burst Pressure	Joint Depth Class
	ft	ft	in	in	lb/ft	%	ft	psi	
JT-1	14.61	10.51	8.625	0.400	36.0	0			1
JT-2	25.12	42.16	8.625	0.400	36.0	0			1
JT-3	67.28	42.89	8.625	0.400	36.0	0			1
JT-4	110.17	41.77	8.625	0.400	36.0	0			1
JT-5	151.93	41.64	8.625	0.400	36.0	0			1
JT-6	193.57	41.14	8.625	0.400	36.0	0			1
JT-7	234.71	42.09	8.625	0.400	36.0	0			1
JT-8	276.80	38.49	8.625	0.400	36.0	0			1
JT-9	315.29	40.62	8.625	0.400	36.0	0			1
JT-10	355.91	39.73	8.625	0.400	36.0	0			1
JT-11	395.64	43.21	8.625	0.400	36.0	0			1
JT-12	438.85	41.00	8.625	0.400	36.0	0			1
JT-13	479.85	42.02	8.625	0.400	36.0	0			1
JT-14	521.86	39.07	8.625	0.400	36.0	0			1
JT-15	560.94	41.58	8.625	0.400	36.0	0			1
JT-16	602.52	42.78	8.625	0.400	36.0	0			1
JT-17	645.30	42.77	8.625	0.400	36.0	0			1
JT-18	688.07	40.45	8.625	0.400	36.0	0			1
JT-19	728.53	43.69	8.625	0.400	36.0	0			1
JT-20	772.22	43.33	8.625	0.400	36.0	0			1
JT-21	815.55	41.84	8.625	0.400	36.0	0			1
JT-22	857.39	42.12	8.625	0.400	36.0	0			1
JT-23	899.51	41.25	8.625	0.400	36.0	0			1
JT-24	940.76	41.40	8.625	0.400	36.0	0			1
JT-25	982.16	41.13	8.625	0.400	36.0	0			1
JT-26	1023.29	40.52	8.625	0.400	36.0	0			1
JT-27	1063.82	39.84	8.625	0.400	36.0	0			1
JT-28	1103.66	41.60	8.625	0.400	36.0	0			1
JT-29	1145.25	42.04	8.625	0.400	36.0	0			1
JT-30	1187.29	43.45	8.625	0.400	36.0	0			1
JT-31	1230.74	41.56	8.625	0.400	36.0	0			1
JT-32	1272.31	41.90	8.625	0.400	36.0	0			1
JT-33	1314.21	41.71	8.625	0.400	36.0	0			1
JT-34	1355.91	39.76	8.625	0.400	36.0	0			1
JT-35	1395.67	41.56	8.625	0.400	36.0	0			1
JT-36	1437.23	41.37	8.625	0.400	36.0	0			1
JT-37	1478.61	43.00	8.625	0.400	36.0	0			1
JT-38	1521.61	41.20	8.625	0.400	36.0	0			1
JT-39	1562.81	41.88	8.625	0.400	36.0	0			1
JT-40	1604.69	39.01	8.625	0.400	36.0	0			1
JT-41	1643.71	42.71	8.625	0.400	36.0	0			1
JT-42	1686.42	41.05	8.625	0.400	36.0	0			1
JT-43	1727.46	41.00	8.625	0.400	36.0	0			1
JT-44	1768.46	41.92	8.625	0.400	36.0	0			1
JT-45	1810.38	41.67	8.625	0.400	36.0	0			1
JT-46	1852.05	43.13	8.625	0.400	36.0	0			1
JT-47	1895.18	41.90	8.625	0.400	36.0	0			1
JT-48	1937.08	41.11	8.625	0.400	36.0	0			1
JT-49	1978.19	40.85	8.625	0.400	36.0	0			1
JT-50	2019.05	41.40	8.625	0.400	36.0	0			1
JT-51	2060.44	42.63	8.625	0.400	36.0	0			1
JT-52	2103.07	41.07	8.625	0.400	36.0	0			1
JT-53	2144.14	41.70	8.625	0.400	36.0	17	2158.88	5787	1
JT-54	2185.84	41.39	8.625	0.400	36.0	19	2197.13	5838	1
JT-55	2227.23	42.01	8.625	0.400	36.0	21	2242.62	5788	2
JT-56	2269.24	41.08	8.625	0.400	36.0	0			1
JT-57	2310.32	43.55	8.625	0.400	36.0	15	2318.22	5978	1
JT-58	2353.87	41.05	8.625	0.400	36.0	0			1

JT-59	2394.92	41.00	8.625	0.400	36.0	0			1
JT-60	2435.92	41.18	8.625	0.400	36.0	0			1
JT-61	2477.11	41.82	8.625	0.400	36.0	0			1
JT-62	2518.93	42.68	8.625	0.400	36.0	0			1
JT-63	2561.61	42.28	8.625	0.400	36.0	0			1
JT-64	2603.89	42.29	8.625	0.400	36.0	15	2635.20	5978	1
JT-65	2646.18	41.20	8.625	0.400	36.0	0			1
JT-66	2687.38	42.20	8.625	0.400	36.0	0			1
JT-67	2729.58	43.29	8.625	0.400	36.0	0			1
JT-68	2772.88	42.19	8.625	0.400	36.0	0			1
JT-69	2815.07	41.66	8.625	0.400	36.0	0			1
JT-70	2856.73	41.71	8.625	0.400	36.0	0			1
JT-71	2898.44	41.88	8.625	0.400	36.0	0			1
JT-72	2940.32	42.52	8.625	0.400	36.0	0			1
JT-73	2982.83	42.65	8.625	0.400	36.0	0			1
JT-74	3025.48	41.57	8.625	0.400	36.0	0			1
JT-75	3067.05	42.03	8.625	0.400	36.0	0			1
JT-76	3109.08	38.97	8.625	0.400	36.0	0			1
JT-77	3148.06	42.35	8.625	0.400	36.0	0			1
JT-78	3190.40	42.31	8.625	0.400	36.0	0			1
JT-79	3232.71	41.85	8.625	0.400	36.0	0			1
JT-80	3274.56	41.09	8.625	0.400	36.0	0			1
JT-81	3315.65	42.12	8.625	0.400	36.0	0			1
JT-82	3357.77	42.90	8.625	0.400	36.0	0			1
JT-83	3400.67	41.26	8.625	0.400	36.0	0			1
JT-84	3441.93	42.40	8.625	0.400	36.0	0			1
JT-85	3484.33	40.97	8.625	0.400	36.0	0			1
JT-86	3525.30	42.16	8.625	0.400	36.0	0			1
JT-87	3567.46	40.87	8.625	0.400	36.0	0			1
JT-88	3608.34	42.68	8.625	0.400	36.0	0			1
JT-89	3651.02	37.87	8.625	0.400	36.0	0			1
JT-90	3688.89	42.20	8.625	0.400	36.0	0			1
JT-91	3731.09	42.27	8.625	0.400	36.0	0			1
JT-92	3773.37	42.10	8.625	0.400	36.0	0			1
JT-93	3815.47	43.54	8.625	0.400	36.0	0			1
JT-94	3859.01	42.83	8.625	0.400	36.0	0			1
JT-95	3901.84	42.26	8.625	0.400	36.0	0			1
JT-96	3944.10	44.17	8.625	0.400	36.0	15	3979.22	5989	1
JT-97	3988.27	42.85	8.625	0.400	36.0	0			1
JT-98	4031.12	27.40	8.625	0.400	36.0	0			1
JT-99	4058.52	41.50	8.625	0.400	36.0	0			1
JT-100	4100.02	43.24	8.625	0.400	36.0	0			1
JT-101	4143.26	41.88	8.625	0.400	36.0	0			1
JT-102	4185.14	42.59	8.625	0.400	36.0	0			1
JT-103	4227.73	41.66	8.625	0.400	36.0	0			1
JT-104	4269.40	39.68	8.625	0.400	36.0	0			1
JT-105	4309.08	42.90	8.625	0.400	36.0	0			1
JT-106	4351.98	42.40	8.625	0.400	36.0	0			1
JT-107	4394.38	41.61	8.625	0.400	36.0	0			1
JT-108	4435.99	42.40	8.625	0.400	36.0	0			1
JT-109	4478.39	42.52	8.625	0.400	36.0	0			1
JT-110	4520.91	38.35	8.625	0.400	36.0	0			1
JT-111	4559.26	41.28	8.625	0.400	36.0	0			1
JT-112	4600.54	41.50	8.625	0.400	36.0	0			1
JT-113	4642.04	41.07	8.625	0.400	36.0	0			1
JT-114	4683.11	42.22	8.625	0.400	36.0	0			1
JT-115	4725.33	39.77	8.625	0.400	36.0	0			1
JT-116	4765.11	42.50	8.625	0.400	36.0	0			1
JT-117	4807.61	39.40	8.625	0.400	36.0	0			1
JT-118	4847.01	41.71	8.625	0.400	36.0	0			1
JT-119	4888.72	41.81	8.625	0.400	36.0	0			1
JT-120	4930.53	42.23	8.625	0.400	36.0	0			1
JT-121	4972.76	42.64	8.625	0.400	36.0	0			1
JT-122	5015.40	41.66	8.625	0.400	36.0	0			1
JT-123	5057.06	41.83	8.625	0.400	36.0	0			1
JT-124	5098.89	42.42	8.625	0.400	36.0	0			1
JT-125	5141.31	42.03	8.625	0.400	36.0	0			1
JT-126	5183.34	41.80	8.625	0.400	36.0	0			1
JT-127	5225.15	42.57	8.625	0.400	36.0	0			1
JT-128	5267.72	36.81	8.625	0.400	36.0	0			1
JT-129	5304.53	41.72	8.625	0.400	36.0	0			1
JT-130	5346.26	41.68	8.625	0.400	36.0	0			1
JT-131	5387.93	42.44	8.625	0.400	36.0	0			1
JT-132	5430.38	42.20	8.625	0.400	36.0	0			1
JT-133	5472.58	40.30	8.625	0.400	36.0	0			1
JT-134	5512.88	42.43	8.625	0.400	36.0	0			1
JT-135	5555.31	42.69	8.625	0.400	36.0	0			1
JT-136	5598.00	42.52	8.625	0.400	36.0	0			1
JT-137	5640.52	42.39	8.625	0.400	36.0	0			1
JT-138	5682.91	41.15	8.625	0.400	36.0	0			1
JT-139	5724.06	41.85	8.625	0.400	36.0	0			1
JT-140	5765.91	29.37	8.625	0.400	36.0	0			1
JT-141	5795.27	42.16	8.625	0.400	36.0	0			1
JT-142	5837.43	42.69	8.625	0.400	36.0	0			1
JT-143	5880.12	41.11	8.625	0.400	36.0	0			1

JT-144	5921.23	42.39	8.625	0.400	36.0	0			1
JT-145	5963.62	41.97	8.625	0.400	36.0	0			1
JT-146	6005.59	41.98	8.625	0.400	36.0	0			1
JT-147	6047.57	42.67	8.625	0.400	36.0	0			1
JT-148	6090.23	42.45	8.625	0.400	36.0	0			1
JT-149	6132.68	42.84	8.625	0.400	36.0	0			1
JT-150	6175.52	41.13	8.625	0.400	36.0	0			1
JT-151	6216.65	41.91	8.625	0.400	36.0	0			1
JT-152	6258.56	40.63	8.625	0.400	36.0	0			1
JT-153	6299.19	42.08	8.625	0.400	36.0	0			1
JT-154	6341.27	42.84	8.625	0.400	36.0	0			1
JT-155	6384.11	42.18	8.625	0.400	36.0	0			1
JT-156	6426.29	41.48	8.625	0.400	36.0	0			1
JT-157	6467.76	42.48	8.625	0.400	36.0	0			1
JT-158	6510.25	41.75	8.625	0.400	36.0	0			1
JT-159	6552.00	42.93	8.625	0.400	36.0	0			1
JT-160	6594.93	42.36	8.625	0.400	36.0	0			1
JT-161	6637.29	42.11	8.625	0.400	36.0	0			1
JT-162	6679.41	40.95	8.625	0.400	36.0	0			1
JT-163	6720.36	42.55	8.625	0.400	36.0	0			1
JT-164	6762.91	42.24	8.625	0.400	36.0	0			1
JT-165	6805.15	39.41	8.625	0.400	36.0	0			1
JT-166	6844.56	42.59	8.625	0.400	36.0	17	6867.50	8283	1
JT-167	6887.15	42.46	8.625	0.400	36.0	26	6907.94	8290	2
JT-168	6929.61	42.84	8.625	0.400	36.0	18	6969.86	8228	1
JT-169	6972.45	42.72	8.625	0.400	36.0	0			1
JT-170	7015.17	34.73	8.625	0.400	36.0	18	7025.67	8132	1

Inspection Date: 07-14-2016
Report Date: 07-18-2016