HR Vertilog

Magnetic Flux Leakage Inspection

Advanced Analysis

Company	Southern California Gas Company
Well	Porter 69C
Field	Aliso Canyon
County	Los Angeles
State	California
Location:	

Section 34	Township 3N	Range 16W	

Date	Jul. 9, 2016
Service Order	US108272
Recorded by	B. Deal
Witnessed by	T. McMahon
API Serial No.	04-037-24128

Permanent Datum:	G.L.	Elevation:	2366.000 ft.	Depth	7882.000
Log Measured From:	K.B.	23.500	ft. above Perm. Datum	Btm. Log Interval	7510.460
Drilling Measured From:	K.B.	23.500	ft. above Perm. Datum	Top Log Interval	22.000
				Fluid Type	KCL

Casing Data

Size	Weight	Grade	From	To	Length
9 5/8 inch	47.0 lb/ft	N-80 (HR Std)	Surface	7596	7596.0
13 3/8 inch	54.5 lb/ft	K-55	Surface	1043	1043.0
5 1/2 inch	17.0 lb/ft	J-55	7520	7881	361.0

Software Version 6.0.0.0

Equipment Data

Run	Trip	Tool Type	Tool Series	Serial Number	Position
1	1	HRVRT MFL	4997	PB11669776	LOWER
1	1	HRVRT MFL	4997	QB11669777	UPPER
1	1	HRVRT TELEM	4993	EA10360726	

Calibration Data

Calibration File Name	4997-9-001-QB11669777-L.CAL
Date of Calibration	01/25/2016 15:54
Calibration Identifier	3CDE52CA-879D-4396-B413-935918DBD3CD

Tool Number	4997-00
Calibrator Number	4997-9-001
Calibrator Size	(9-5/8 In - 238 mm)
Calibration Source File	20160125_112449_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.3.4.0
Comment	RMA1315

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Calibration Software Rev	Microvision 32-bit 7.3.4.0
Comment	RMA1315

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 to depth collars provided by Southern California Gas Company.

Joints; JT-2, JT-105) and JT-169 are short joints.

23.38 ft	Hardware - External Casing Head Response.
1037.45 ft	Hardware - Bottom of 13 3/8" External Casing.
3274.85 ft	Multiple Centralizers can be seen throughout the logged interval, see the Feature List for a complete listing.
7393.78 ft	Hardware - Unidentified External Hardware.
7442.36 ft	Hardware - Centralizer not over collar.
7455.02 ft	Hardware - Unidentified External Hardware.
7487.09 ft	Hardware - Centralizer not over collar
7498.61 ft	Hardware - Unidentified External Hardware.

Joint Interpretation Summary

Joint	From	To	Length	Class	Max Depth	Position	Type	ID/OD
1	22.00	57.37	35.37	Class 1	-	-	-	-
2	57.37	69.09	11.72	Class 1	-	-	-	-
3	69.09	115.02	45.93	Class 1	-	-	-	-
4	115.02	157.60	42.58	Class 1	-	-	-	-
5	157.60	200.61	43.01	Class 1	-	-	-	-
6	200.61	236.99	36.38	Class 1	-	-	-	-
7	236.99	275.90	38.91	Class 1	-	-	-	-

8	275.90	312.18	36.28	Class 1	-	-	-	-
9	312.18	349.19	37.01	Class 1	-	-	-	-
10	349.19	383.65	34.46	Class 1	-	-	-	-
11	383.65	419.74	36.09	Class 1	-	-	-	-
12	419.74	456.08	36.34	Class 1	-	-	-	-
13	456.08	493.09	37.01	Class 1	-	-	-	-
14	493.09	529.23	36.14	Class 1	-	-	-	-
15	529.23	566.54	37.31	Class 1	-	-	-	-
16	566.54	601.40	34.86	Class 1	-	-	-	-
17	601.40	638.32	36.92	Class 1	-	-	-	-
18	638.32	675.36	37.04	Class 1	-	-	-	-
19	675.36	711.87	36.51	Class 1	-	-	-	-
20	711.87	748.77	36.90	Class 1	-	-	-	-
21	748.77	787.30	38.53	Class 1	-	-	-	-
22	787.30	832.31	45.01	Class 1	-	-	-	-
23	832.31	874.02	41.71	Class 1	-	-	-	-
24	874.02	917.51	43.49	Class 1	-	-	-	-
25	917.51	960.48	42.97	Class 1	-	-	-	-
26	960.48	1003.97	43.49	Class 1	-	-	-	-
27	1003.97	1047.73	43.76	Class 1	-	-	-	-
28	1047.73	1093.76	46.03	Class 1	-	-	-	-
29	1093.76	1138.34	44.58	Class 1	-	-	-	-
30	1138.34	1181.72	43.38	Class 1	-	-	-	-
31	1181.72	1226.91	45.19	Class 1	-	-	-	-
32	1226.91	1272.04	45.13	Class 1	-	-	-	-
33	1272.04	1315.53	43.49	Class 1	-	-	-	-
34	1315.53	1358.19	42.66	Class 1	-	-	-	-
35	1358.19	1402.28	44.09	Class 1	-	-	-	-
36	1402.28	1449.19	46.91	Class 1	-	-	-	-
37	1449.19	1492.49	43.30	Class 1	-	-	-	-
38	1492.49	1535.93	43.44	Class 1	-	-	-	-
39	1535.93	1578.77	42.84	Class 1	-	-	-	-
40	1578.77	1620.99	42.22	Class 1	-	-	-	-
41	1620.99	1664.04	43.05	Class 1	-	-	-	-
42	1664.04	1706.96	42.92	Class 1	-	-	-	-
43	1706.96	1743.61	36.65	Class 1	-	-	-	-
44	1743.61	1786.62	43.01	Class 1	-	-	-	-
45	1786.62	1830.79	44.17	Class 1	-	-	-	-
46	1830.79	1870.36	39.57	Class 1	-	-	-	-
47	1870.36	1914.16	43.80	Class 1	-	-	-	-
48	1914.16	1957.65	43.49	Class 1	-	-	-	-
49	1957.65	2000.83	43.18	Class 1	-	-	-	-
50	2000.83	2043.85	43.02	Class 1	-	-	-	-
51	2043.85	2087.42	43.57	Class 1	-	-	-	-
52	2087.42	2132.39	44.97	Class 1	-	-	-	-
53	2132.39	2175.83	43.44	Class 1	-	-	-	-
54	2175.83	2219.71	43.88	Class 1	-	-	-	-
55	2219.71	2263.61	43.90	Class 1	-	-	-	-
56	2263.61	2306.51	42.90	Class 1	-	-	-	-
57	2306.51	2352.23	45.72	Class 1	-	-	-	-
58	2352.23	2394.45	42.22	Class 1	-	-	-	-
59	2394.45	2437.68	43.23	Class 1	-	-	-	-
60	2437.68	2479.26	41.58	Class 1	-	-	-	-
61	2479.26	2522.66	43.40	Class 1	-	-	-	-
62	2522.66	2569.17	46.51	Class 1	-	-	-	-
63	2569.17	2613.01	43.84	Class 1	-	-	-	-
64	2613.01	2649.11	36.10	Class 1	-	-	-	-
65	2649.11	2685.56	36.45	Class 1	-	-	-	-
66	2685.56	2721.96	36.40	Class 1	-	-	-	-
67	2721.96	2765.22	43.26	Class 1	-	-	-	-
68	2765.22	2806.92	41.70	Class 1	-	-	-	-
69	2806.92	2843.76	36.84	Class 1	-	-	-	-
70	2843.76	2881.85	38.09	Class 1	-	-	-	-
71	2881.85	2924.94	43.09	Class 1	-	-	-	-

72	2924.94	2970.10	45.16	Class 1	-	-	-	-
73	2970.10	3013.51	43.41	Class 1	-	-	-	-
74	3013.51	3056.58	43.07	Class 1	-	-	-	-
75	3056.58	3101.46	44.88	Class 1	-	-	-	-
76	3101.46	3144.26	42.80	Class 1	-	-	-	-
77	3144.26	3186.98	42.72	Class 1	-	-	-	-
78	3186.98	3230.09	43.11	Class 1	-	-	-	-
79	3230.09	3275.12	45.03	Class 1	-	-	-	-
80	3275.12	3320.13	45.01	Class 1	-	-	-	-
81	3320.13	3361.98	41.85	Class 1	-	-	-	-
82	3361.98	3405.51	43.53	Class 1	-	-	-	-
83	3405.51	3451.86	46.35	Class 1	-	-	-	-
84	3451.86	3493.80	41.94	Class 1	-	-	-	-
85	3493.80	3537.28	43.48	Class 1	-	-	-	-
86	3537.28	3580.53	43.25	Class 1	-	-	-	-
87	3580.53	3622.89	42.36	Class 1	-	-	-	-
88	3622.89	3666.39	43.50	Class 1	-	-	-	-
89	3666.39	3711.48	45.09	Class 1	-	-	-	-
90	3711.48	3755.46	43.98	Class 1	-	-	-	-
91	3755.46	3797.48	42.02	Class 1	-	-	-	-
92	3797.48	3840.43	42.95	Class 1	-	-	-	-
93	3840.43	3883.18	42.75	Class 1	-	-	-	-
94	3883.18	3924.99	41.81	Class 1	-	-	-	-
95	3924.99	3966.53	41.54	Class 1	-	-	-	-
96	3966.53	4009.36	42.83	Class 1	-	-	-	-
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98	4056.15	4098.92	42.77	Class 1	-	-	-	-
99	4098.92	4141.71	42.79	Class 1	-	-	-	-
100	4141.71	4183.97	42.26	Class 1	-	-	-	-
101	4183.97	4227.47	43.50	Class 1	-	-	-	-
102	4227.47	4270.43	42.96	Class 1	-	-	-	-
103	4270.43	4310.73	40.30	Class 1	-	-	-	-
104	4310.73	4353.67	42.94	Class 1	-	-	-	-
105	4353.67	4367.89	14.22	Class 1	-	-	-	-
106	4367.89	4413.60	45.71	Class 1	-	-	-	-
107	4413.60	4458.19	44.59	Class 1	-	-	-	-
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122	5061.53	5102.51	40.98	Class 1	-	-	-	-
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124	5144.92	5184.95	40.03	Class 1	-	-	-	-
125	5184.95	5224.63	39.68	Class 1	-	-	-	-
126	5224.63	5267.51	42.88	Class 1	-	-	-	-
127	5267.51	5313.11	45.60	Class 1	-	-	-	-
128	5313.11	5355.24	42.13	Class 1	-	-	-	-
129	5355.24	5398.12	42.88	Class 1	-	-	-	-
130	5398.12	5431.50	33.38	Class 1	-	-	-	-
131	5431.50	5475.28	43.78	Class 1	-	-	-	-
132	5475.28	5511.55	36.27	Class 1	-	-	-	-
133	5511.55	5549.69	38.14	Class 1	-	-	-	-
134	5549.69	5595.16	45.47	Class 1	-	-	-	-

135	5595.16	5637.21	42.05	Class	1	-	-	-	-
136	5637.21	5679.14	41.93	Class	1	-	-	-	-
137	5679.14	5716.24	37.10	Class	1	-	-	-	-
138	5716.24	5762.28	46.04	Class	1	-	-	-	-
139	5762.28	5806.94	44.66	Class	1	-	-	-	-
140	5806.94	5852.81	45.87	Class	1	-	-	-	-
141	5852.81	5895.76	42.95	Class	1	-	-	-	-
142	5895.76	5941.46	45.70	Class	1	-	-	-	-
143	5941.46	5986.96	45.50	Class	1	-	-	-	-
144	5986.96	6030.94	43.98	Class	1	-	-	-	-
145	6030.94	6077.81	46.87	Class	1	-	-	-	-
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147	6124.40	6167.57	43.17	Class	1	-	-	-	-
148	6167.57	6208.33	40.76	Class	1	-	-	-	-
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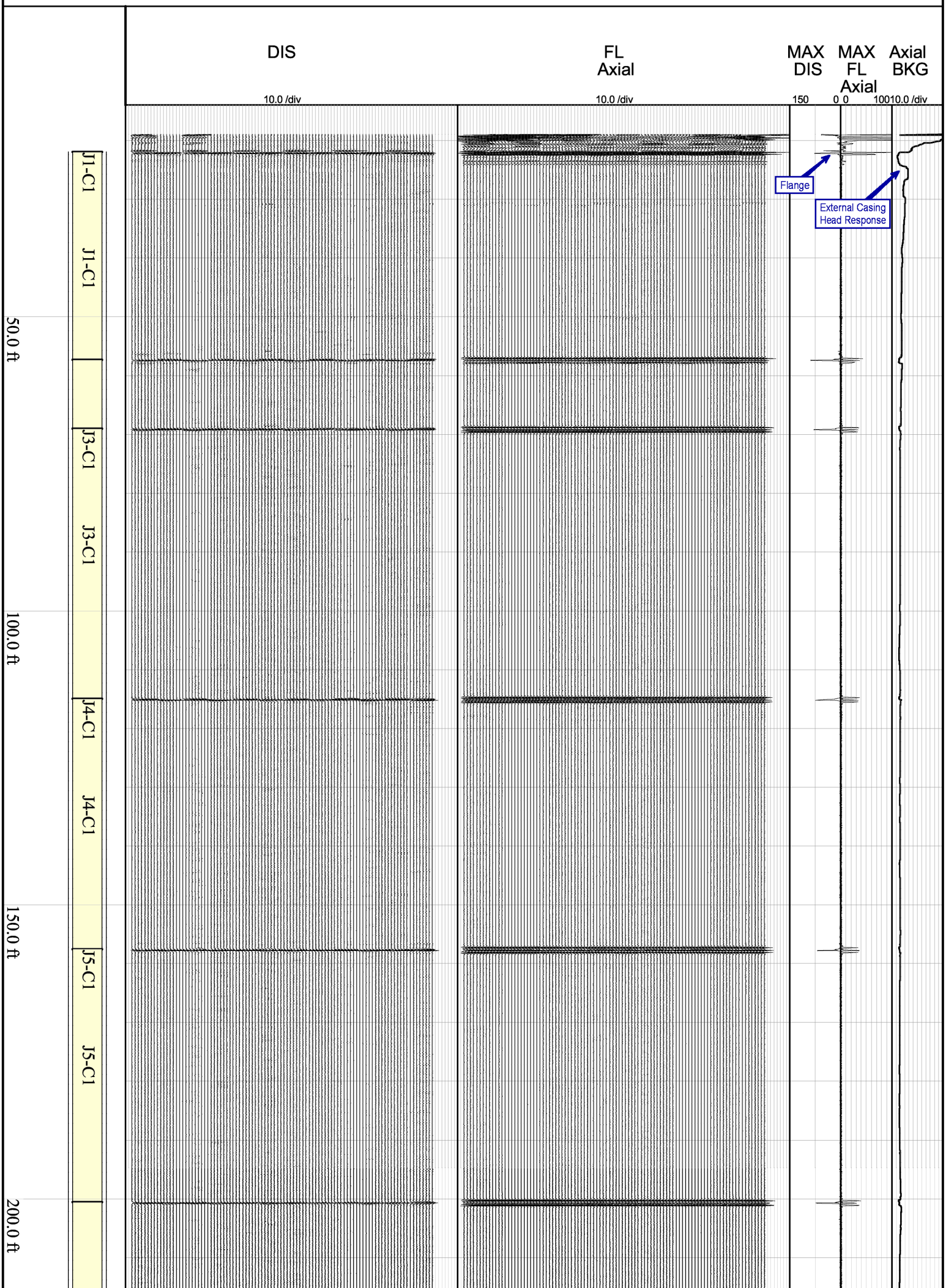
153	6378.93	6421.34	42.41	Class	1	-	-	-	-
154	6421.34	6463.69	42.35	Class	1	-	-	-	-
155	6463.69	6506.11	42.42	Class	1	-	-	-	-
156	6506.11	6549.38	43.27	Class	1	-	-	-	-
157	6549.38	6594.11	44.73	Class	1	-	-	-	-
158	6594.11	6637.47	43.36	Class	1	-	-	-	-
159	6637.47	6680.90	43.43	Class	1	-	-	-	-
160	6680.90	6723.26	42.36	Class	1	-	-	-	-
161	6723.26	6768.23	44.97	Class	1	-	-	-	-
162	6768.23	6808.95	40.72	Class	1	-	-	-	-
163	6808.95	6852.27	43.32	Class	1	-	-	-	-
164	6852.27	6895.72	43.45	Class	1	-	-	-	-
165	6895.72	6937.90	42.18	Class	1	-	-	-	-
166	6937.90	6977.28	39.38	Class	1	-	-	-	-
167	6977.28	7020.77	43.49	Class	1	-	-	-	-
168	7020.77	7063.53	42.76	Class	1	-	-	-	-
169	7063.53	7079.02	15.49	Class	1	-	-	-	-
170	7079.02	7123.36	44.34	Class	1	-	-	-	-
171	7123.36	7168.06	44.70	Class	1	-	-	-	-
172	7168.06	7212.17	44.11	Class	1	-	-	-	-
173	7212.17	7255.38	43.21	Class	1	-	-	-	-
174	7255.38	7296.46	41.08	Class	1	-	-	-	-
175	7296.46	7338.34	41.88	Class	1	-	-	-	-
176	7338.34	7379.94	41.60	Class	1	-	-	-	-
177	7379.94	7422.90	42.96	Class	1	17.0%	7396.11	ISO	ID
178	7422.90	7466.91	44.01	Class	2	26.0%	7435.80	ISO	ID
179	7466.91	7509.56	42.65	Class	2	21.0%	7471.93	ISO	ID
180	7509.56	7510.46	0.90	Class	1	-	-	-	-

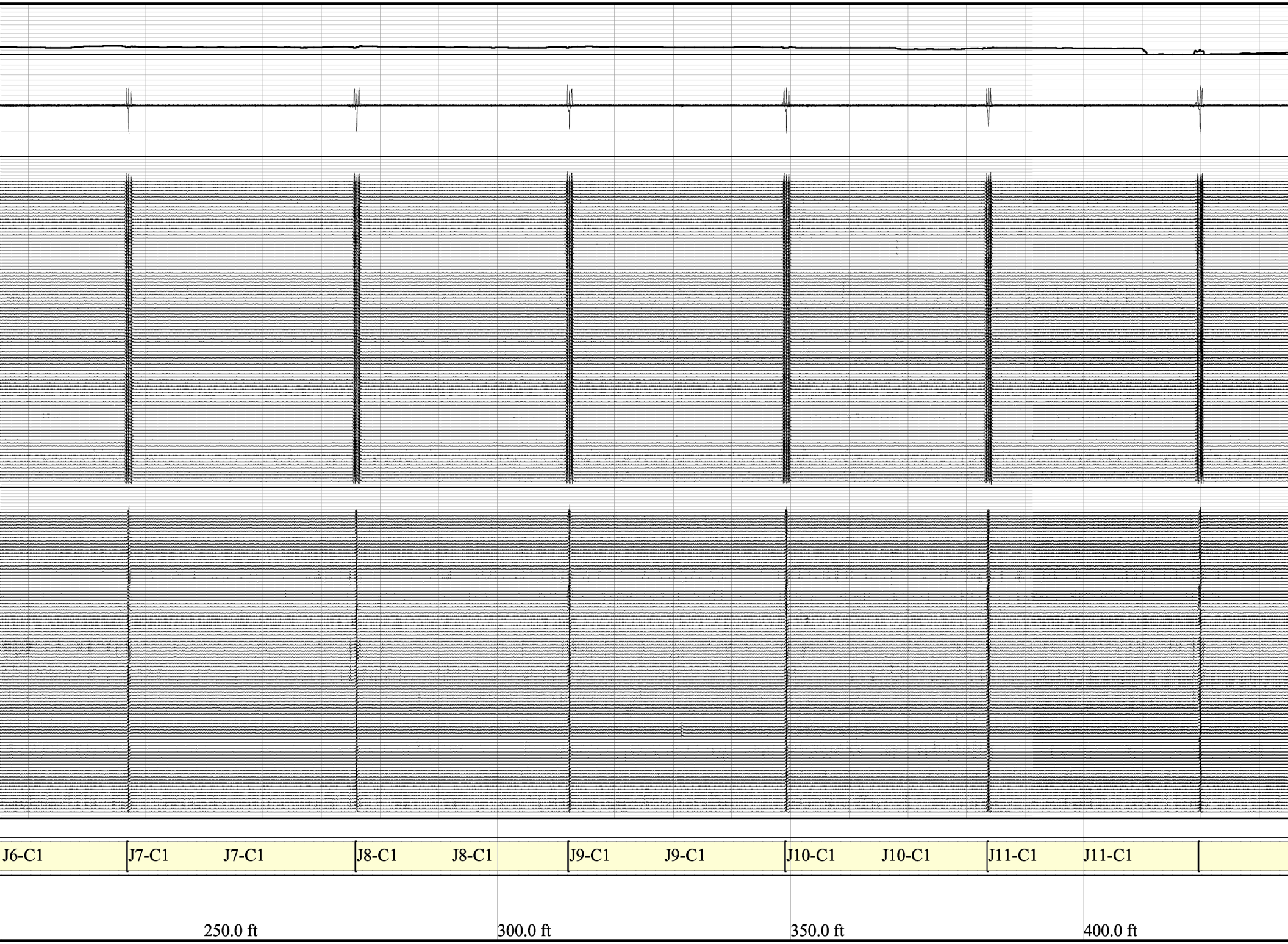
Southern California Gas Company Porter 69C

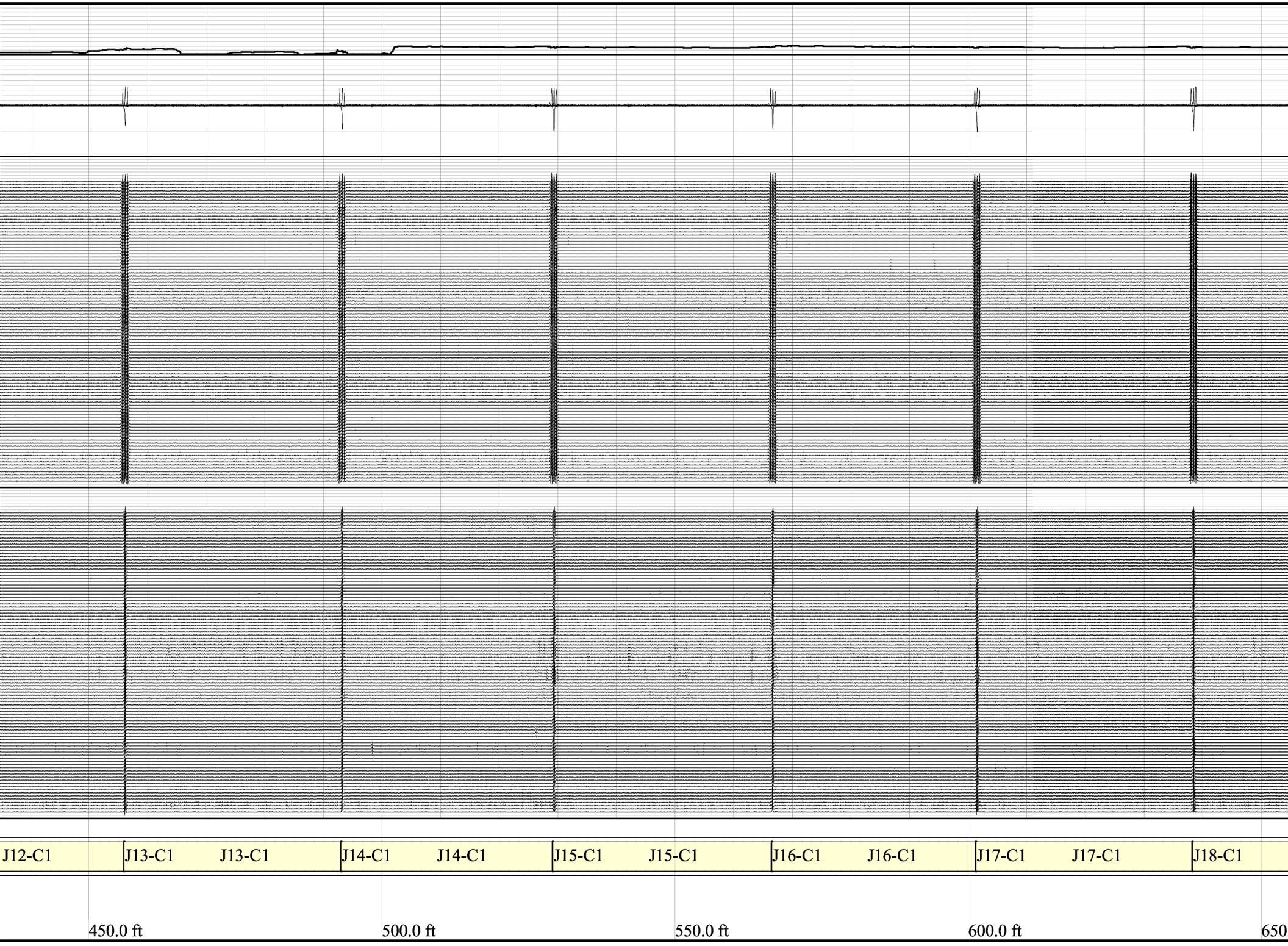
File 20160709_092152_RSP_0_0_0_0_0_0_0_0_0_0_0_0.mvl

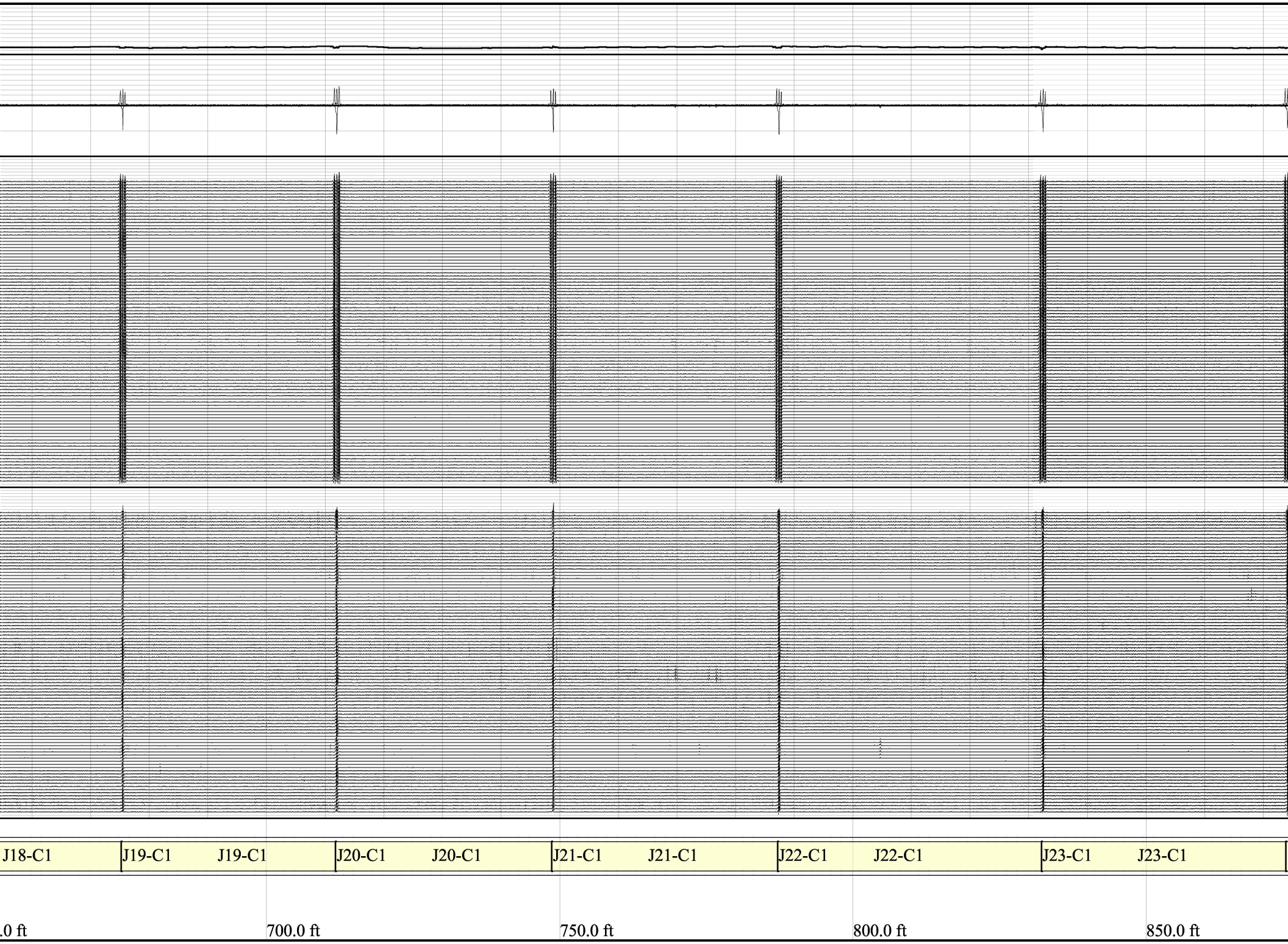
Main Log
5" / 100'

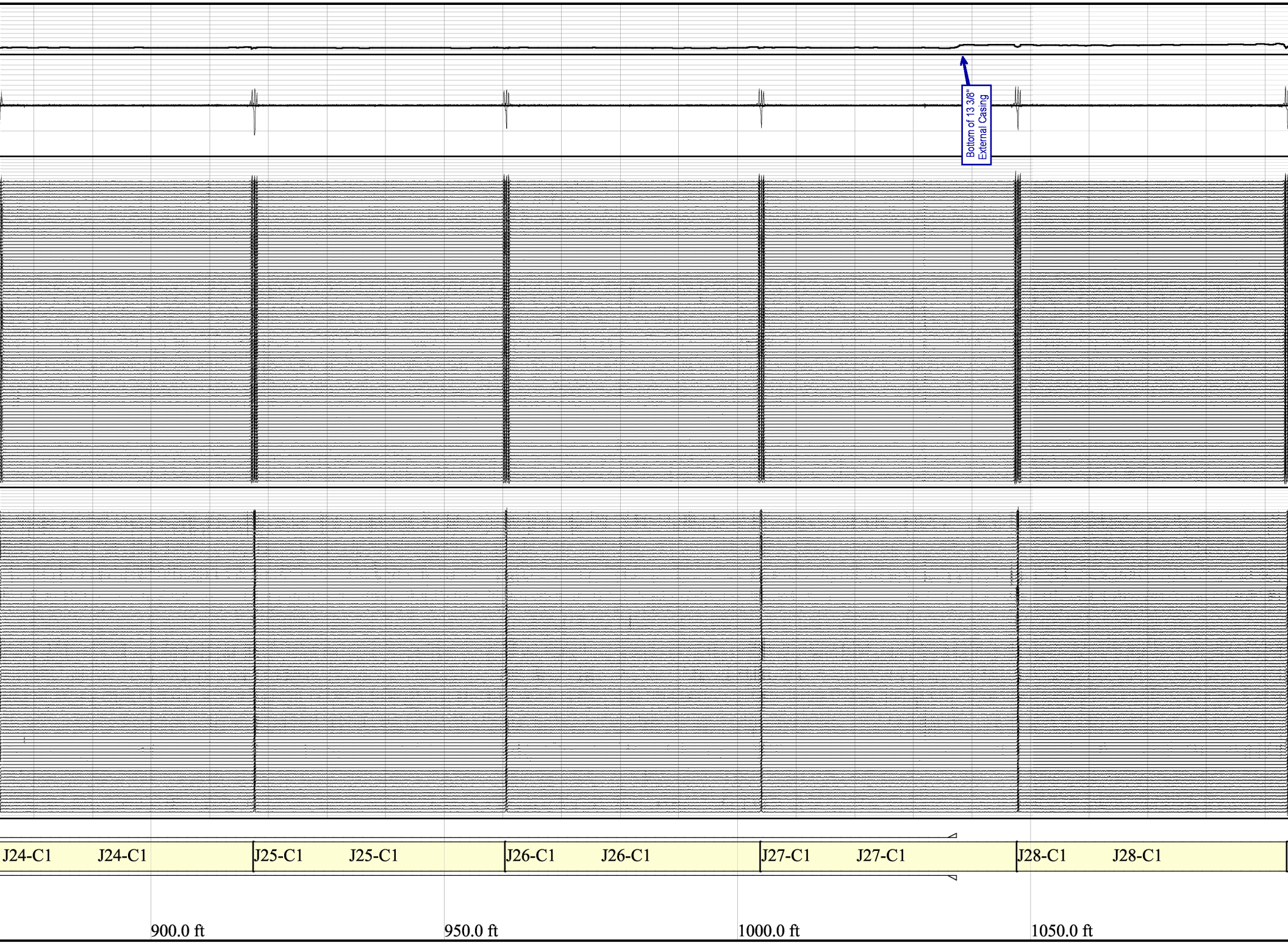
Class 1	Class 2	Class 3	Class 4
0 - 20%	20 - 40%	40 - 60%	60 - 100%

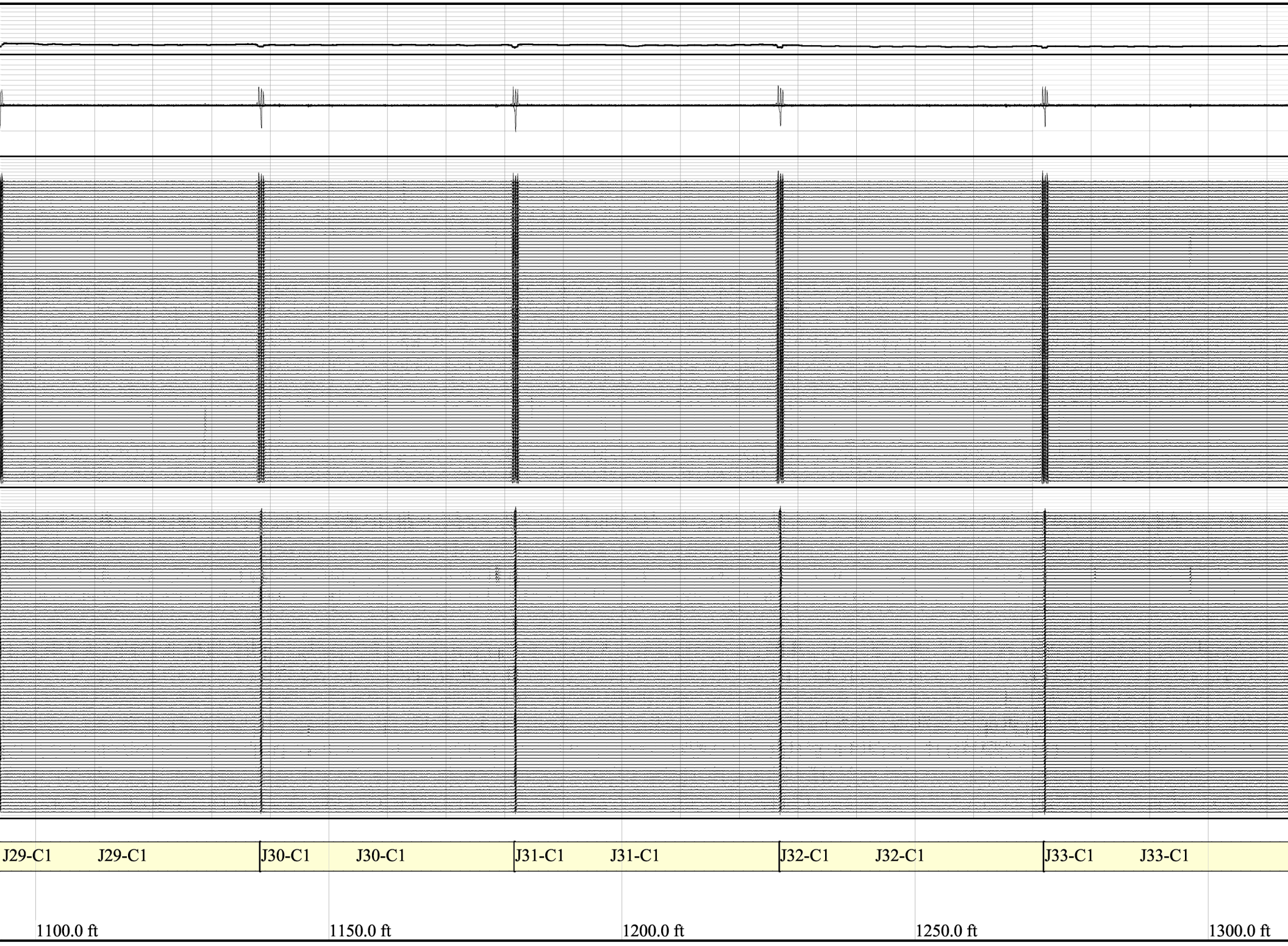

DIS
10.0 /div
FL
Axial
10.0 /div
MAX
DIS
150
MAX
FL
Axial
0 0
Axial
BKG
100
10.0 /div
Flange
External Casing
Head Response
J1-C1
J1-C1
J3-C1
J3-C1
J4-C1
J4-C1
J5-C1
J5-C1
50.0 ft
100.0 ft
150.0 ft
200.0 ft


J6-C1
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
J17-C1
J18-C1
450.0 ft
500.0 ft
550.0 ft
600.0 ft
650


J18-C1
J19-C1
J19-C1
J20-C1
J20-C1
J21-C1
J21-C1
J22-C1
J22-C1
J23-C1
J23-C1
.0 ft
700.0 ft
750.0 ft
800.0 ft
850.0 ft


Bottom of 13 3/8" External Casing
J24-C1
J24-C1
J25-C1
J25-C1
J26-C1
J26-C1
J27-C1
J27-C1
J28-C1
J28-C1
900.0 ft
950.0 ft
1000.0 ft
1050.0 ft


J29-C1
J29-C1
J30-C1
J30-C1
J31-C1
J31-C1
J32-C1
J32-C1
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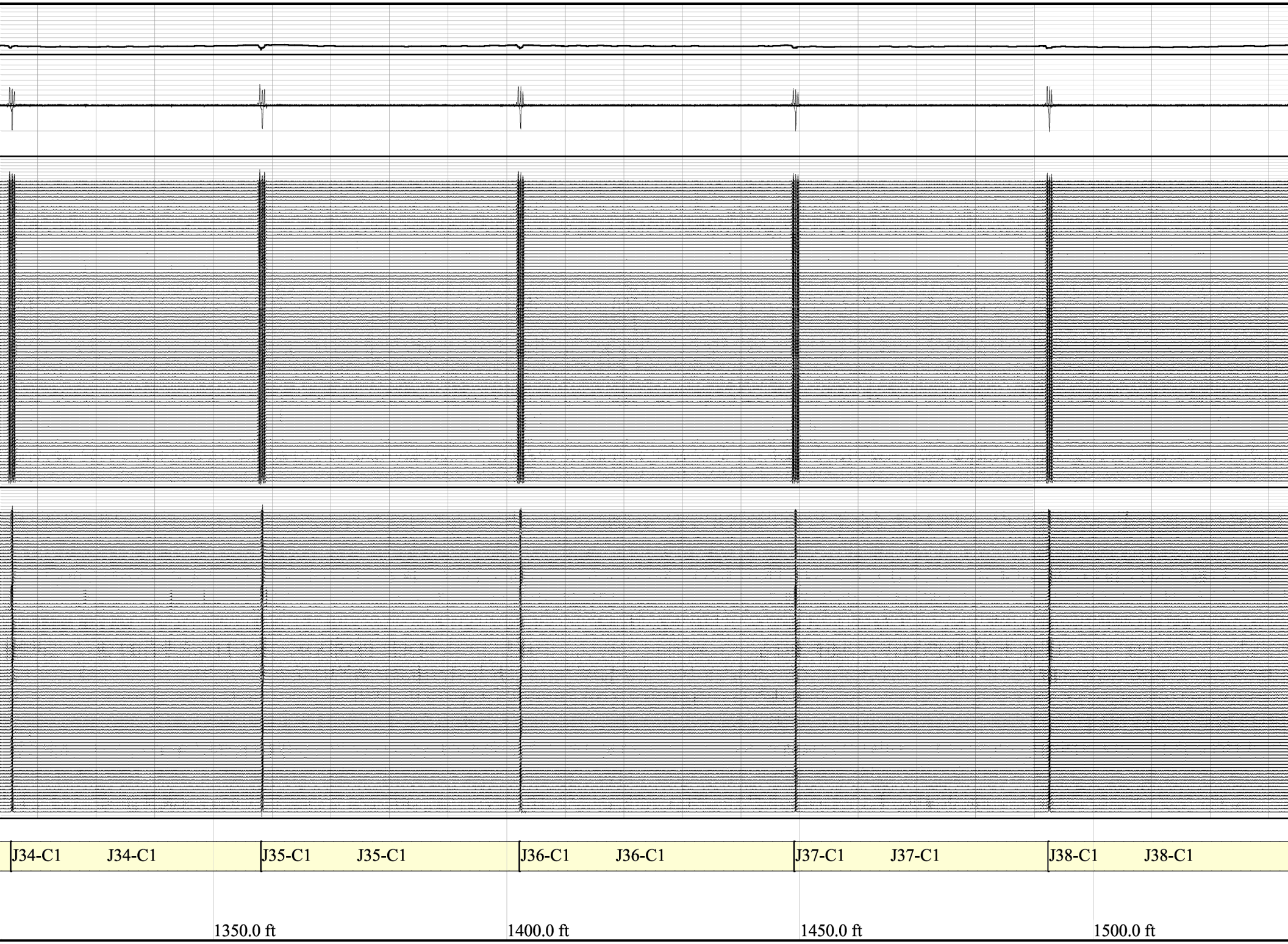
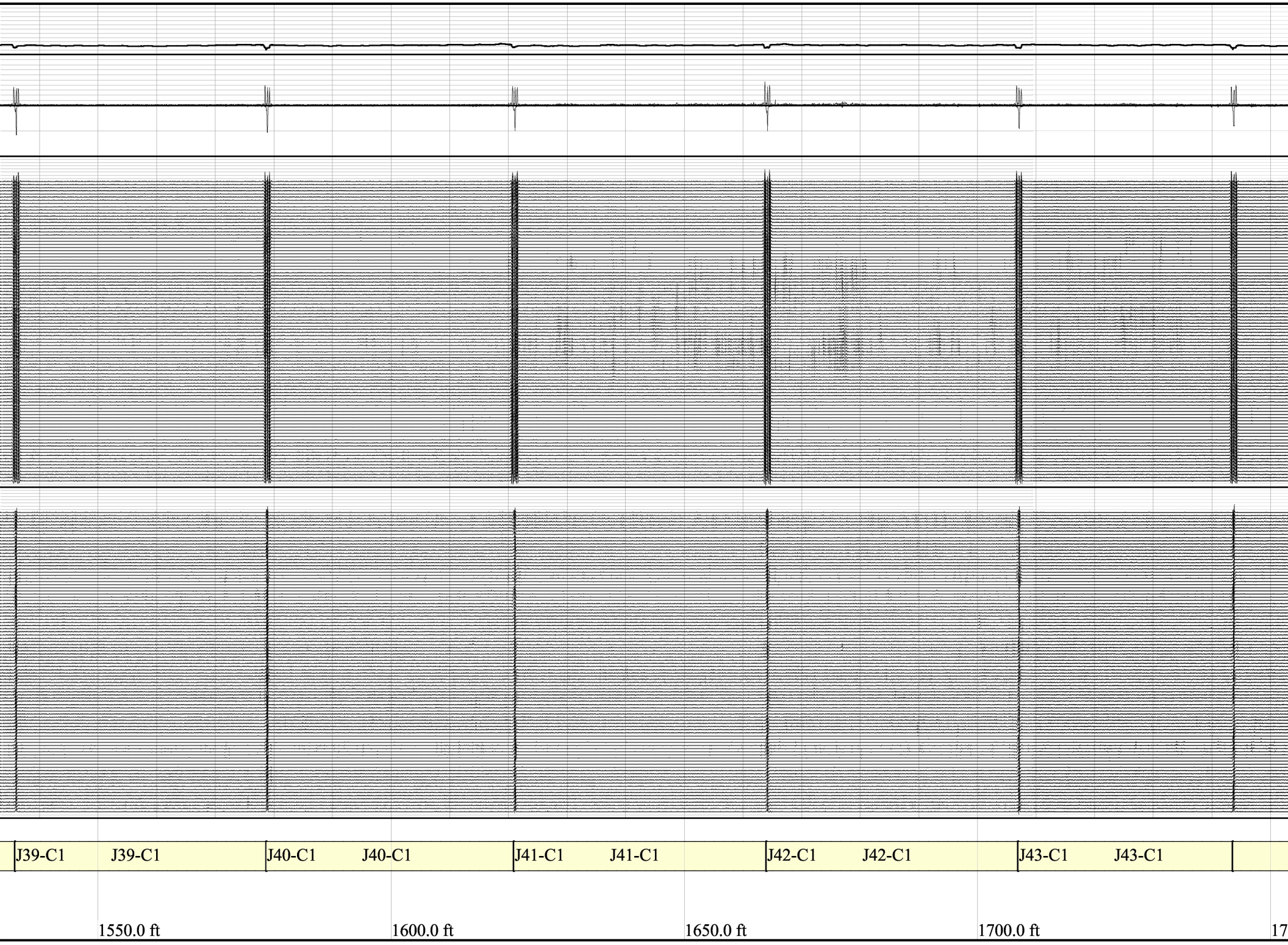
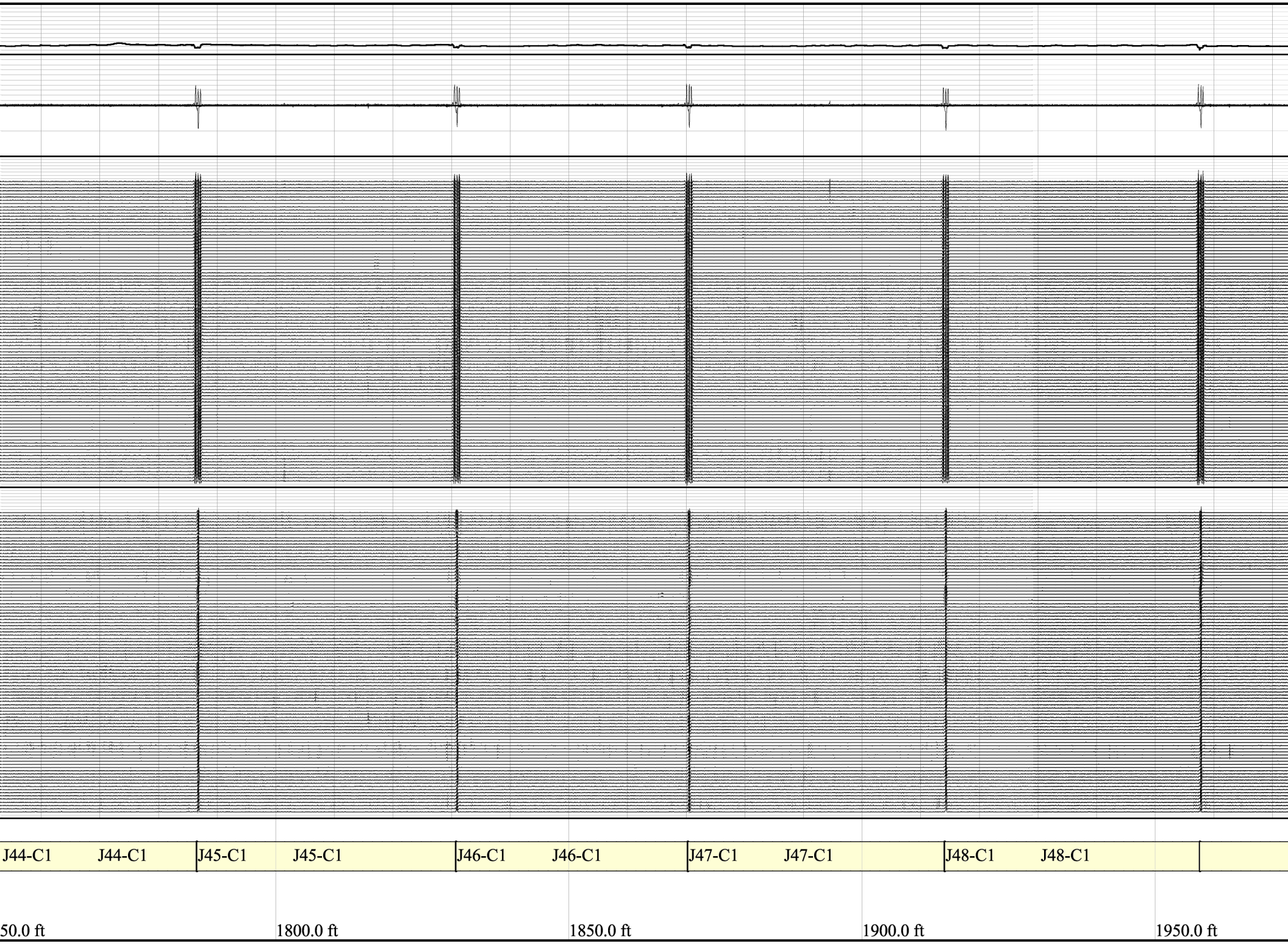
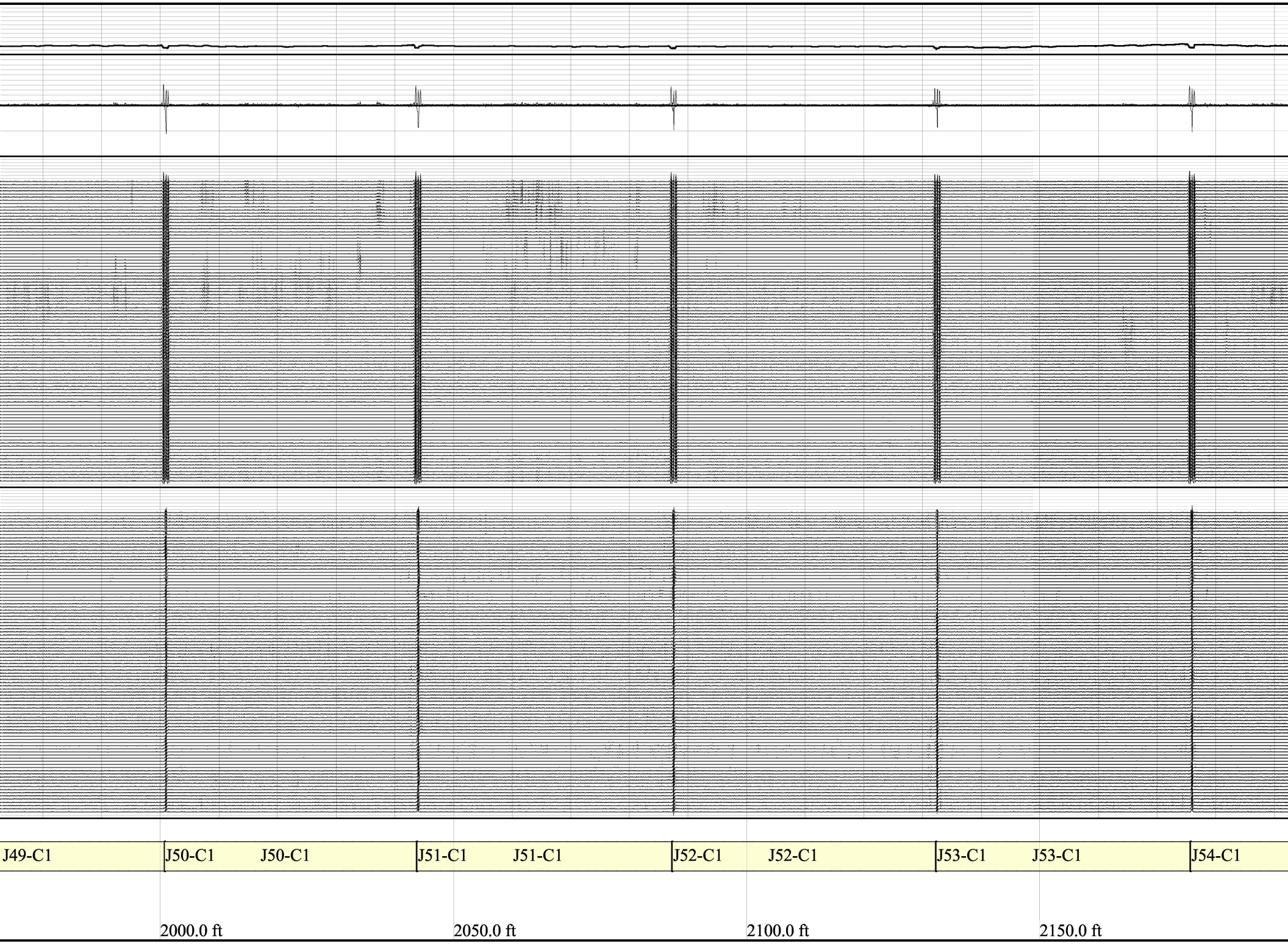
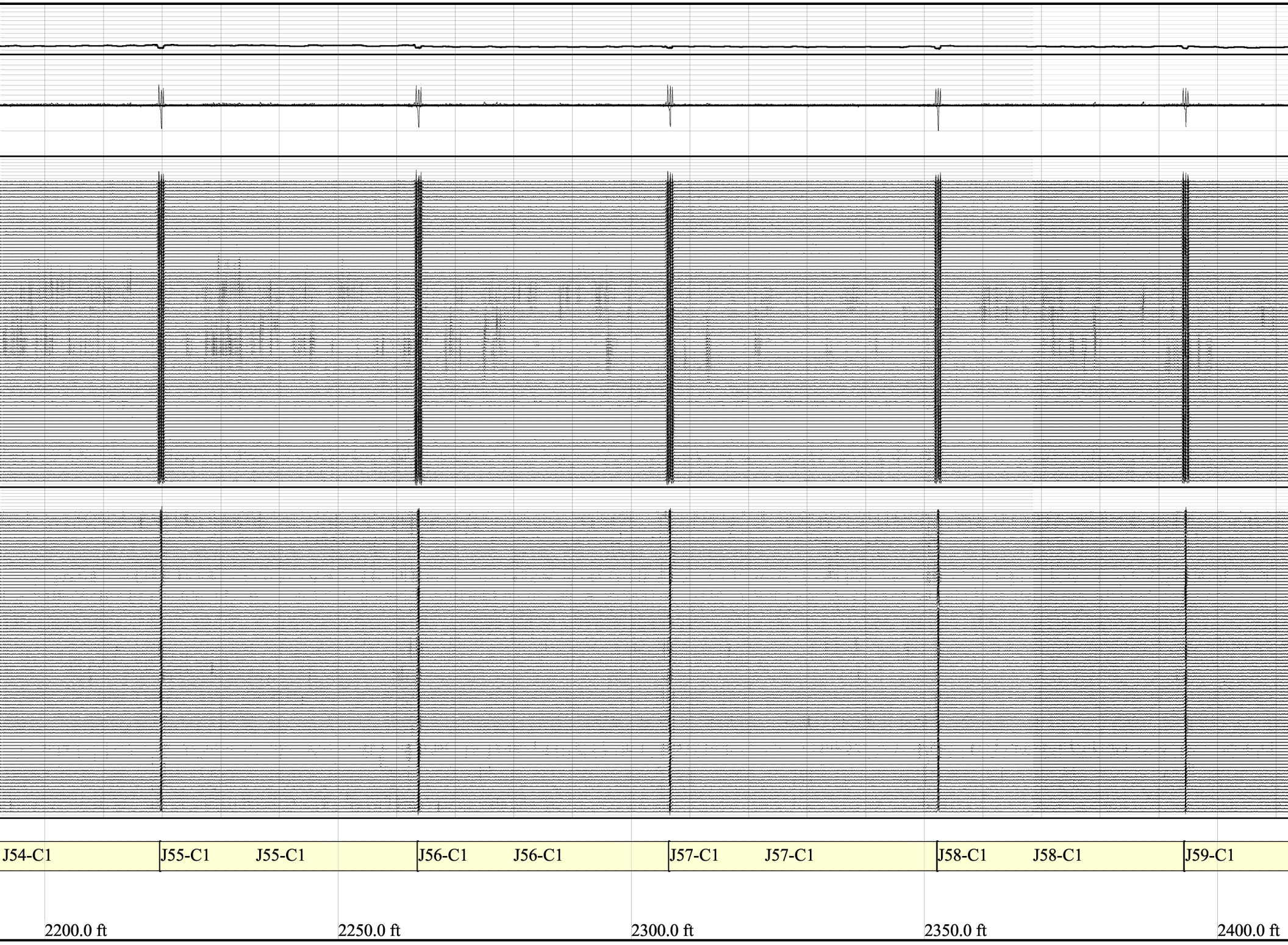
J33-C1
1100.0 ft
1150.0 ft
1200.0 ft
1250.0 ft
1300.0 ft

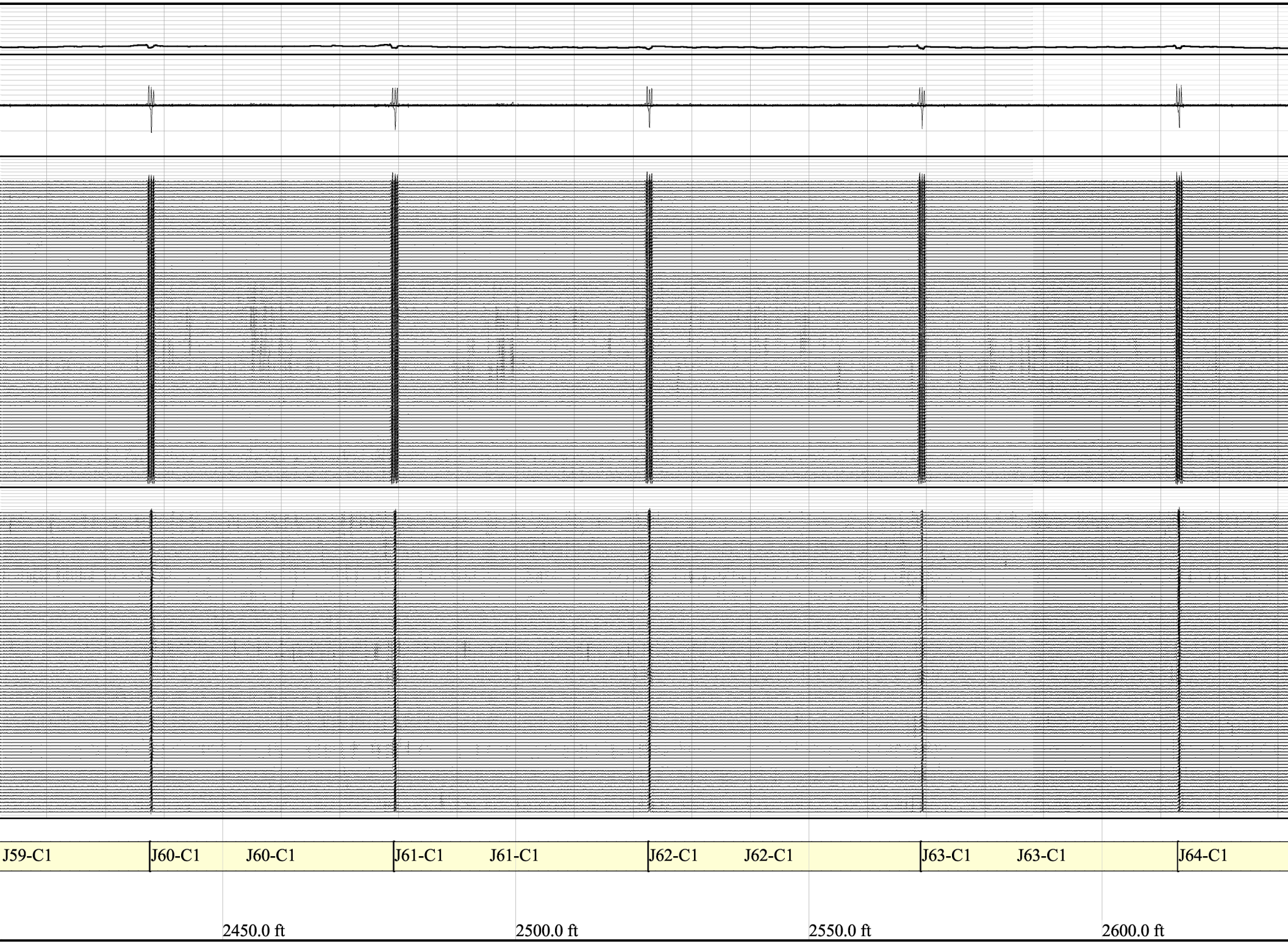

J34-C1
J34-C1
J35-C1
J35-C1
J36-C1
J36-C1
J37-C1
J37-C1
J38-C1
J38-C1
1350.0 ft
1400.0 ft
1450.0 ft
1500.0 ft

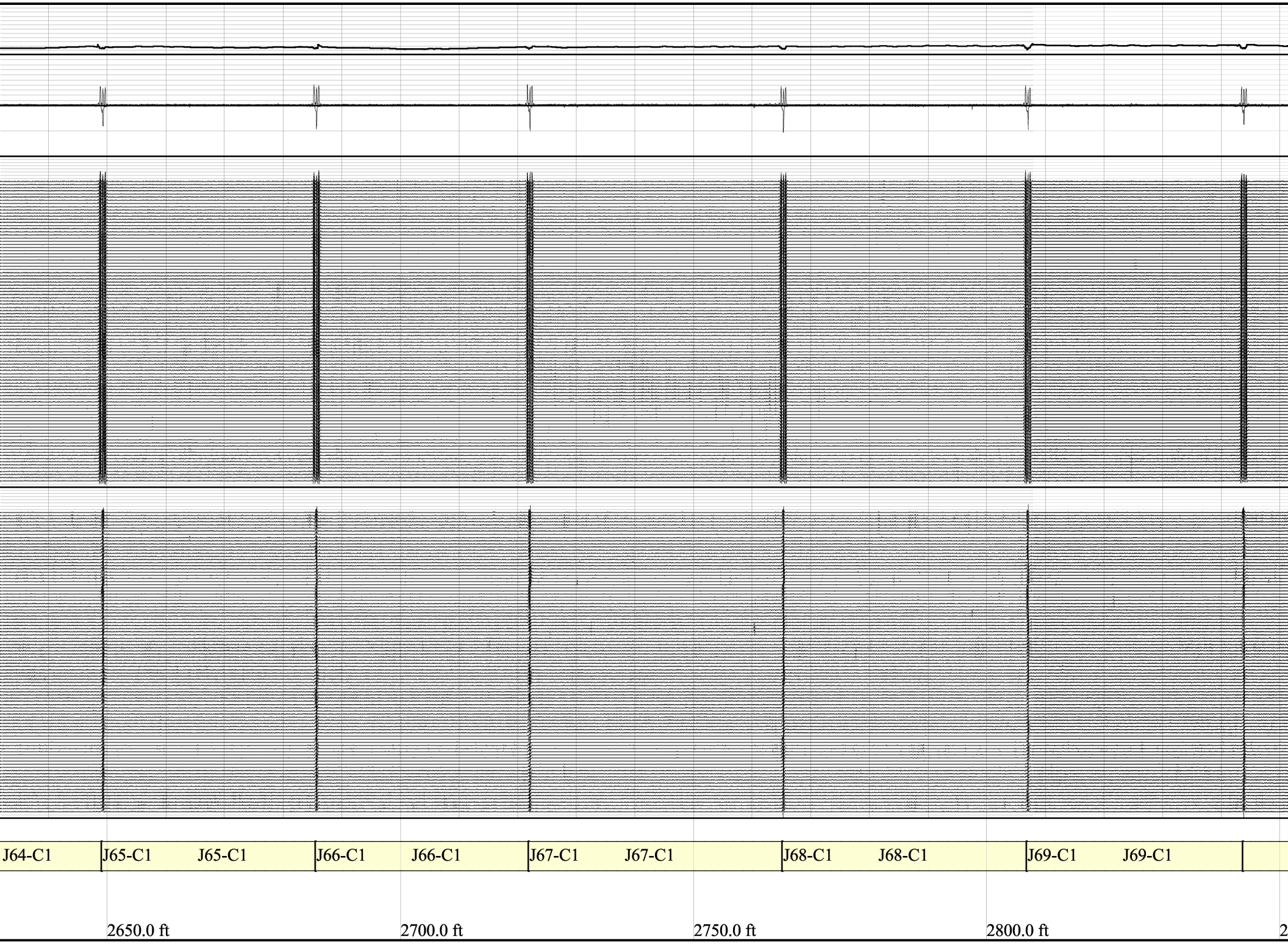

J39-C1
J39-C1
J40-C1
J40-C1
J41-C1
J41-C1
J42-C1
J42-C1
J43-C1
J43-C1
1550.0 ft
1600.0 ft
1650.0 ft
1700.0 ft
17

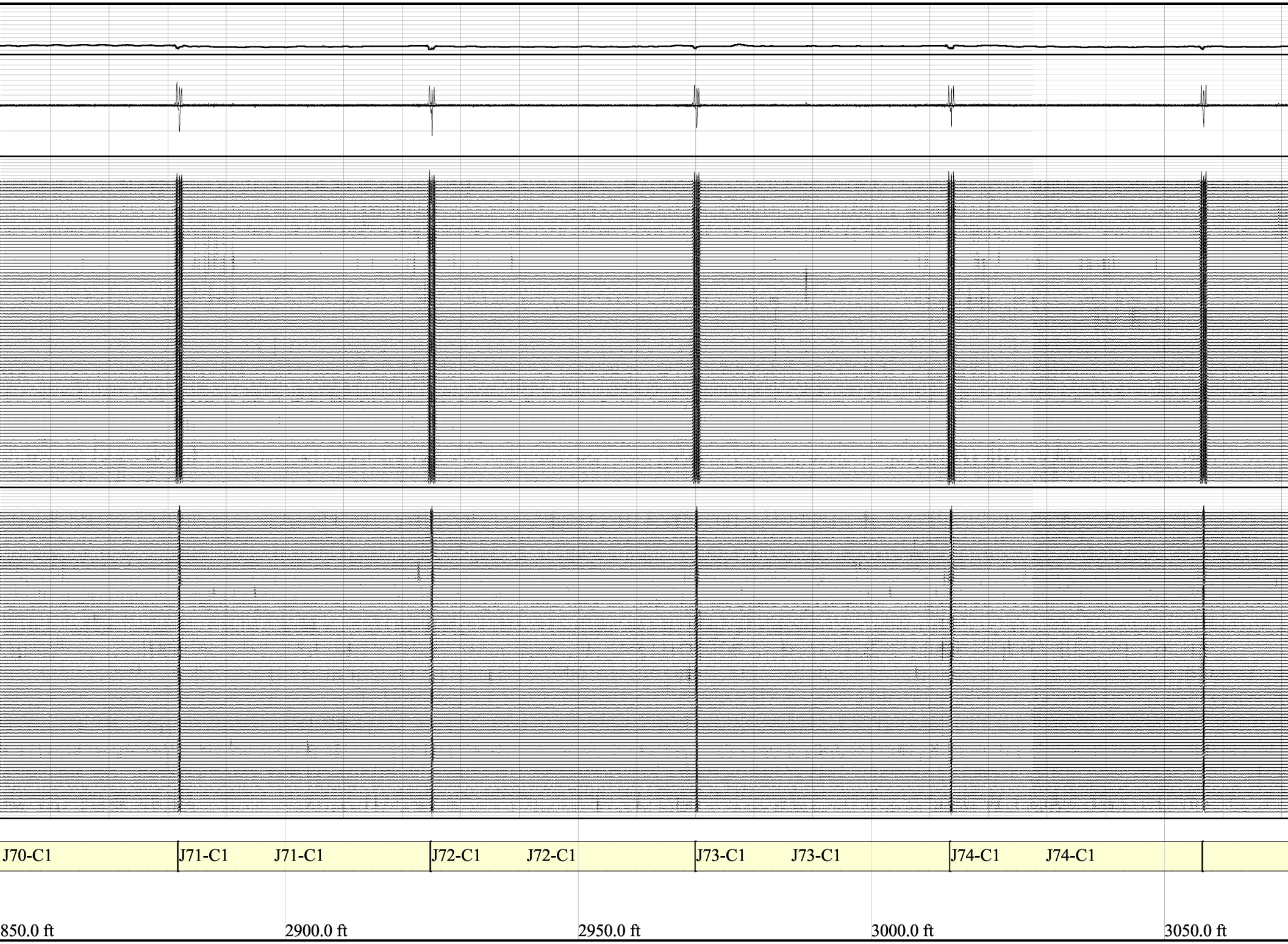

J44-C1
J44-C1
J45-C1
J45-C1
J46-C1
J46-C1
J47-C1
J47-C1
J48-C1
J48-C1
50.0 ft
1800.0 ft
1850.0 ft
1900.0 ft
1950.0 ft

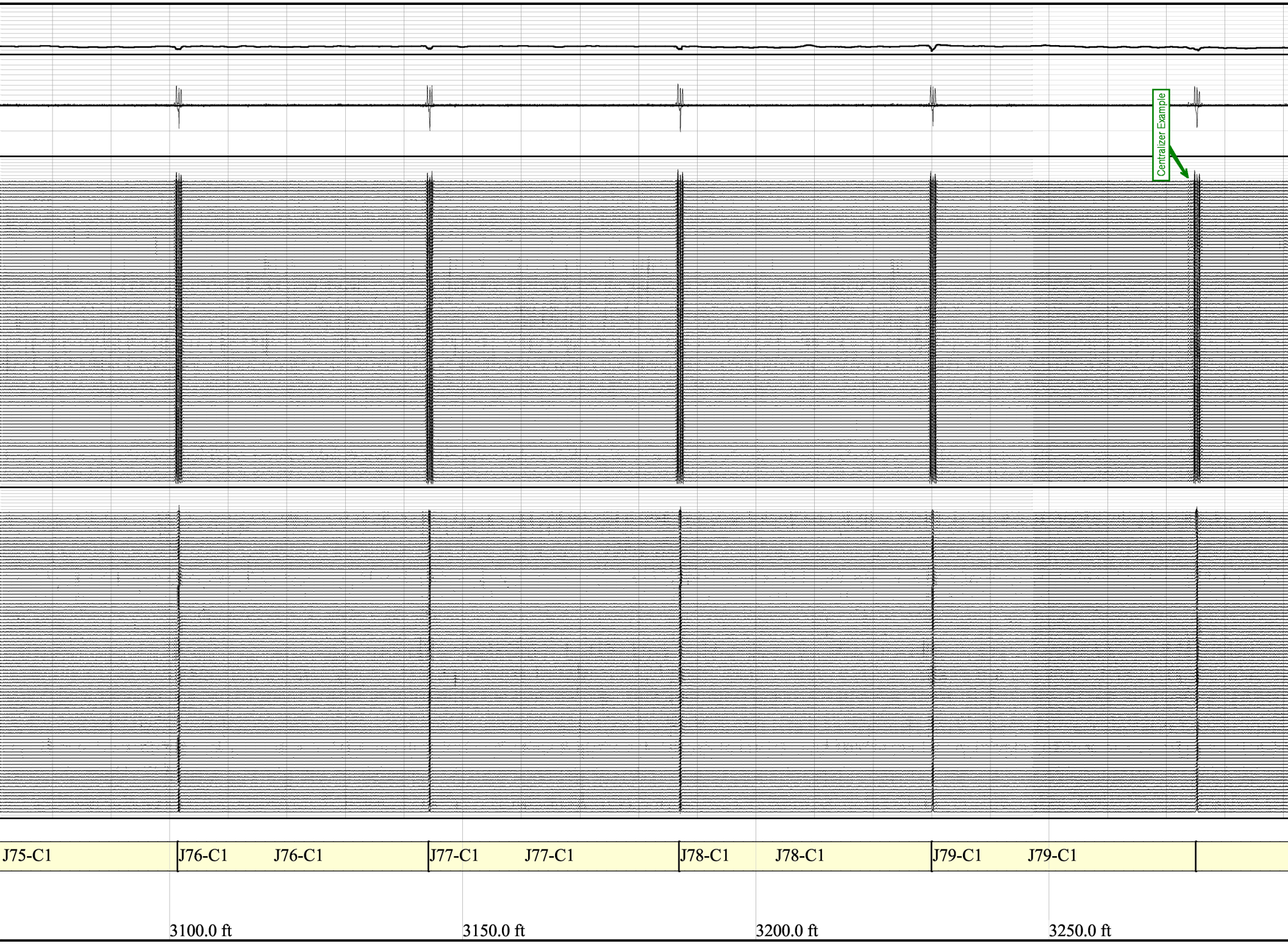

J49-C1
J50-C1
J50-C1
J51-C1
J51-C1
J52-C1
J52-C1
J53-C1
J53-C1
J54-C1
2000.0 ft
2050.0 ft
2100.0 ft
2150.0 ft

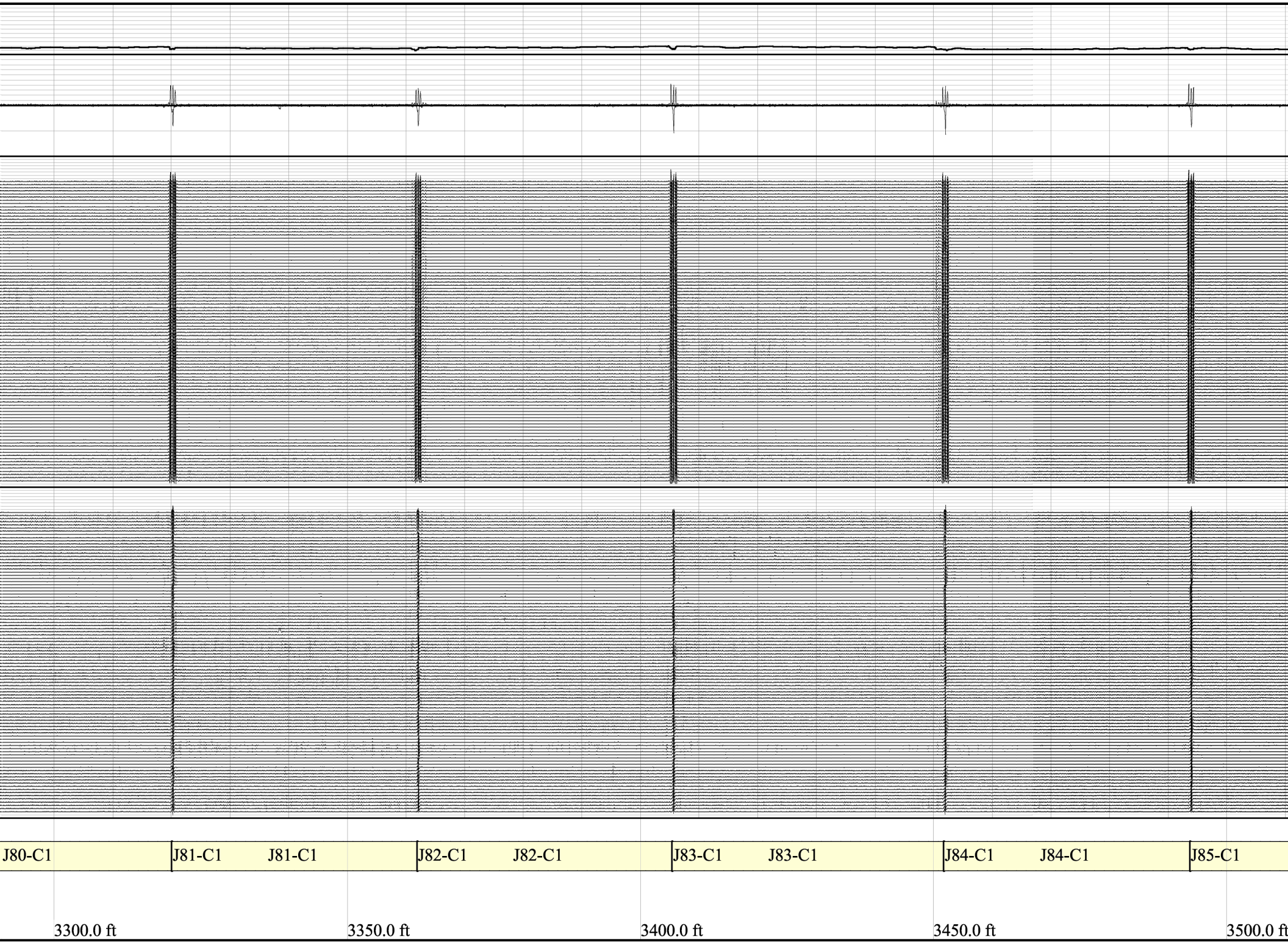

J54-C1
J55-C1
J55-C1
J56-C1
J56-C1
J57-C1
J57-C1
J58-C1
J58-C1
J59-C1
2200.0 ft
2250.0 ft
2300.0 ft
2350.0 ft
2400.0 ft

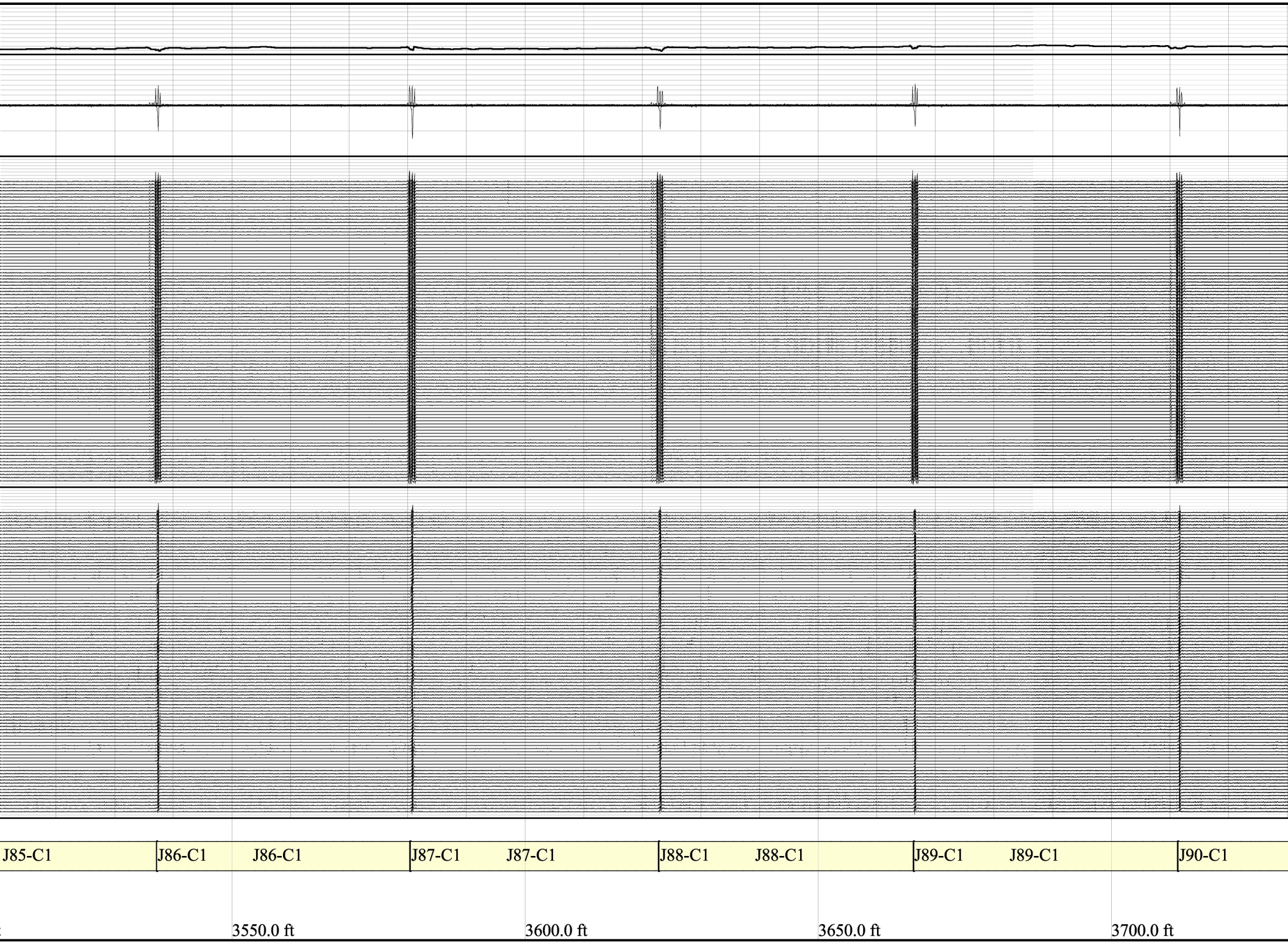

J59-C1
J60-C1
J60-C1
J61-C1
J61-C1
J62-C1
J62-C1
J63-C1
J63-C1
J64-C1
2450.0 ft
2500.0 ft
2550.0 ft
2600.0 ft

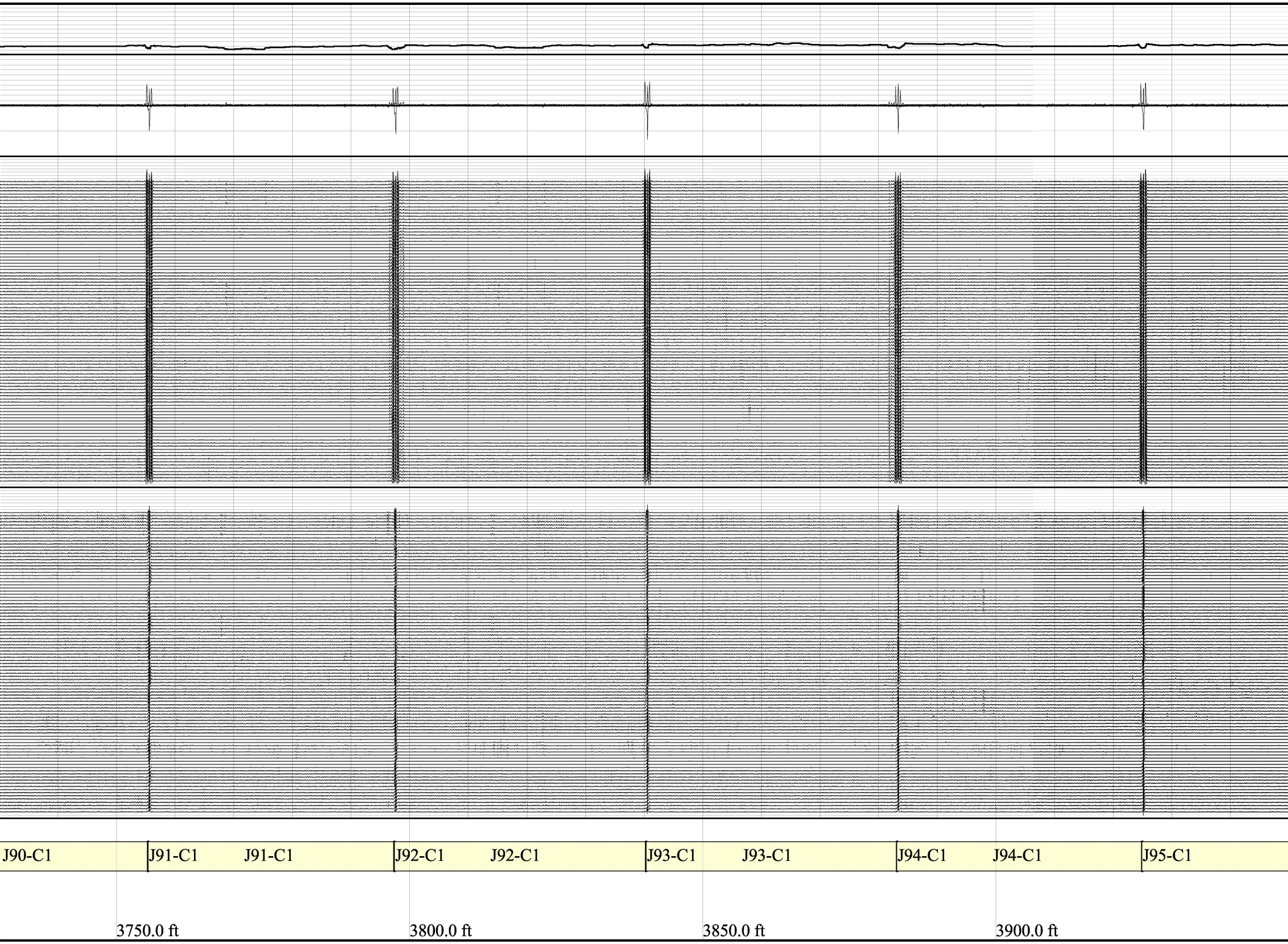

J64-C1
J65-C1
J65-C1
J66-C1
J66-C1
J67-C1
J67-C1
J68-C1
J68-C1
J69-C1
J69-C1
2650.0 ft
2700.0 ft
2750.0 ft
2800.0 ft
2

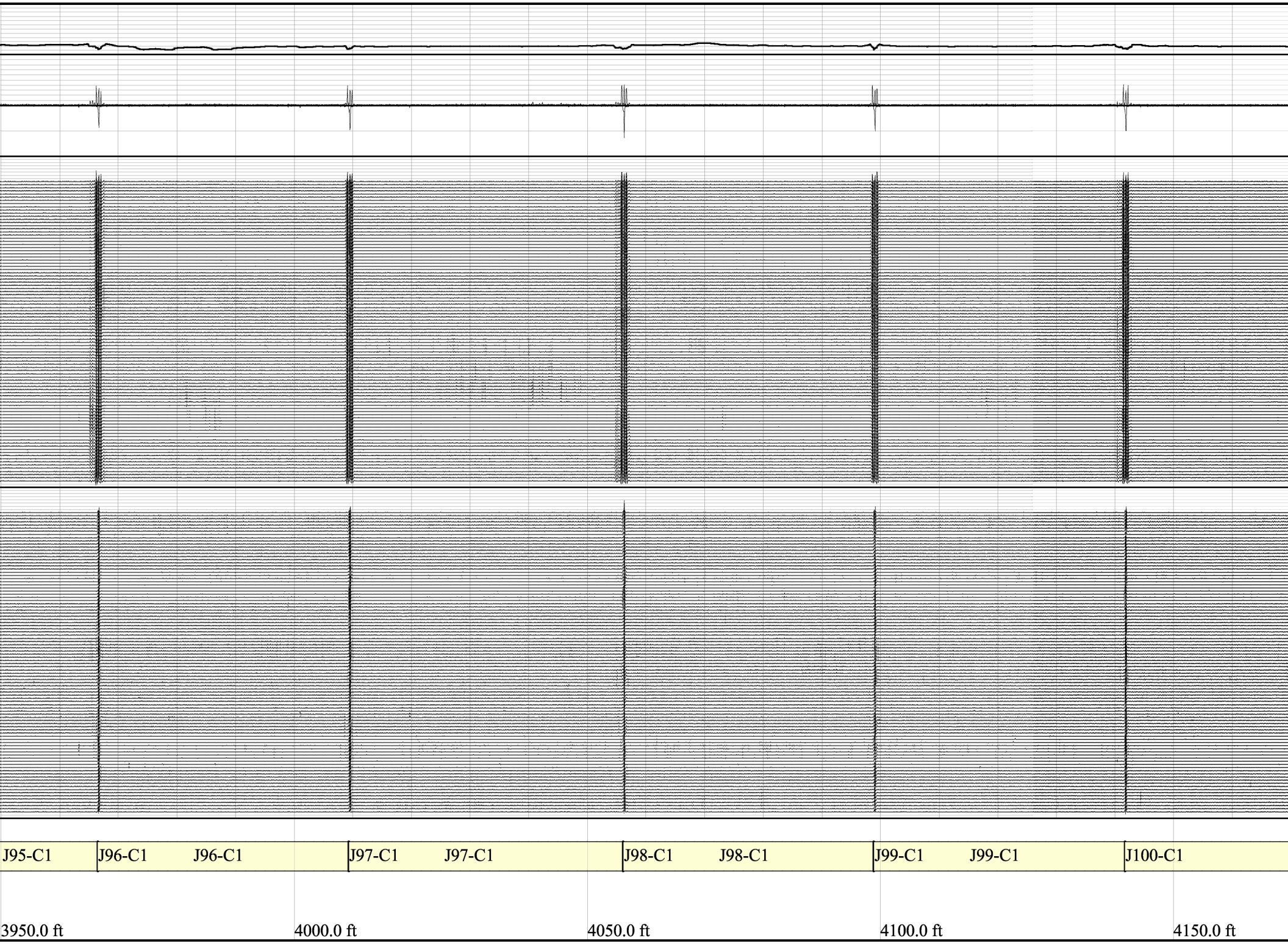

J70-C1
J71-C1
J71-C1
J72-C1
J72-C1
J73-C1
J73-C1
J74-C1
J74-C1
850.0 ft
2900.0 ft
2950.0 ft
3000.0 ft
3050.0 ft

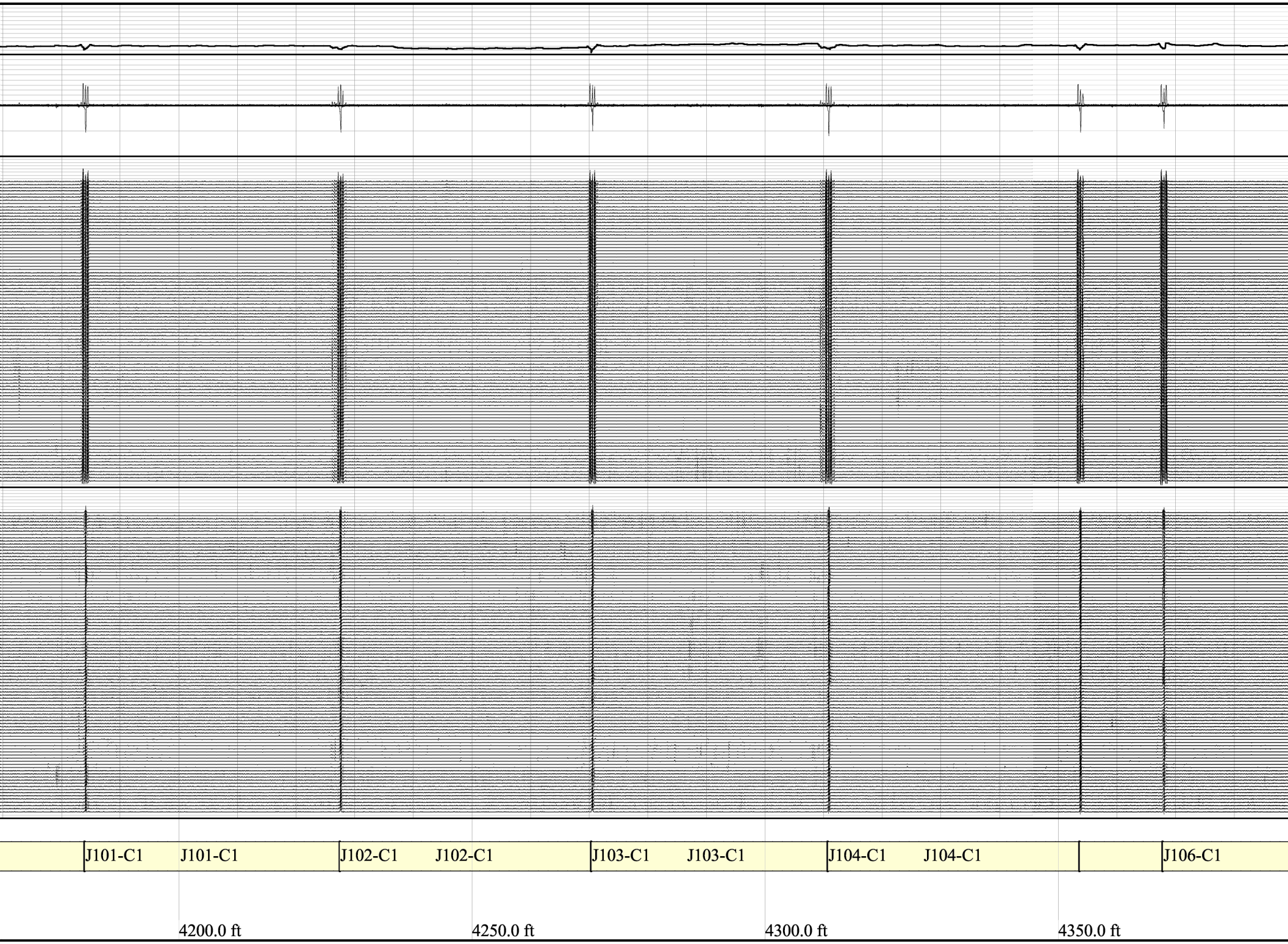

Centralizer Example
J75-C1
J76-C1
J76-C1
J77-C1
J77-C1
J78-C1
J78-C1
J79-C1
J79-C1
3100.0 ft
3150.0 ft
3200.0 ft
3250.0 ft

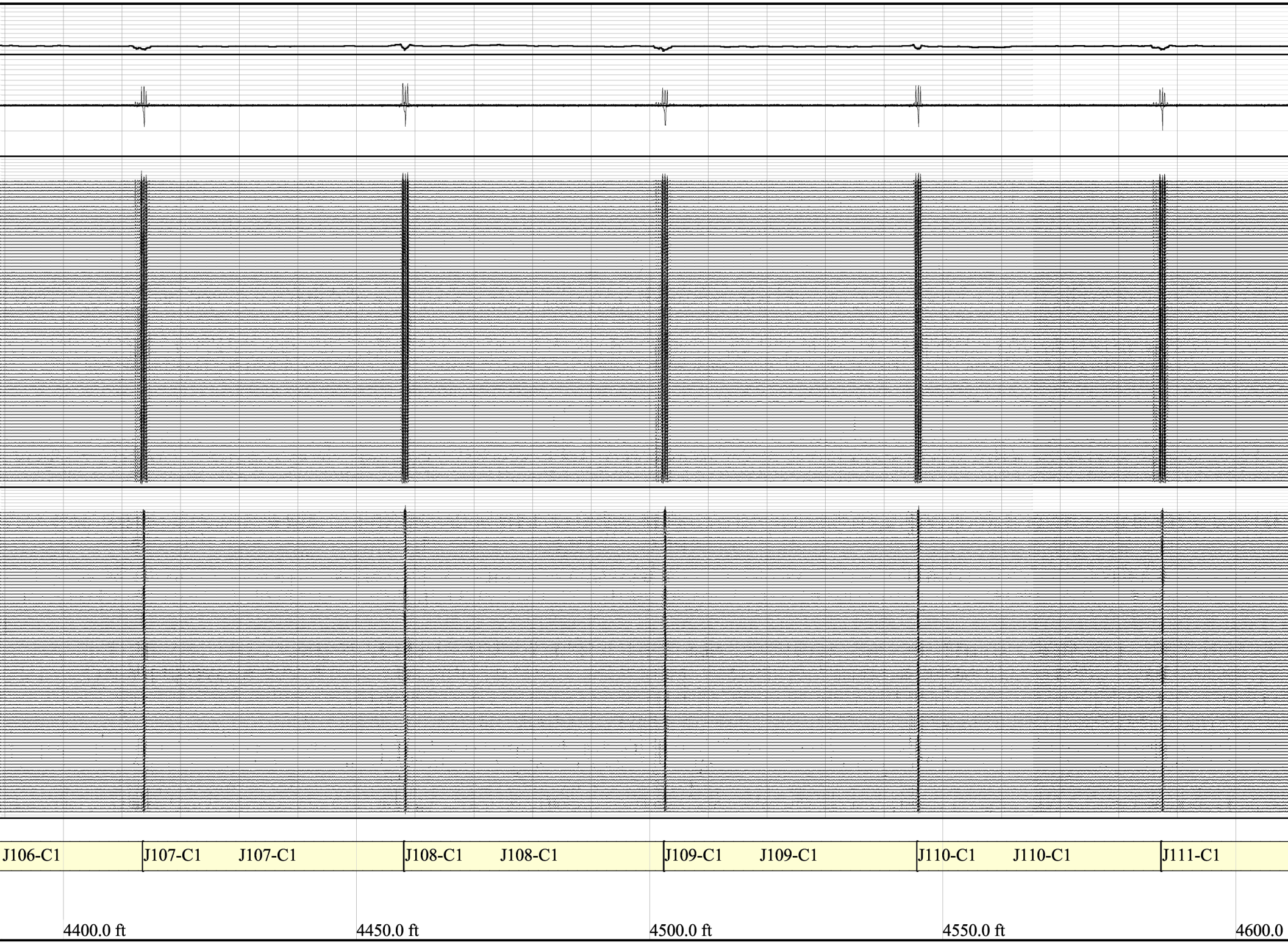

J80-C1
J81-C1
J81-C1
J82-C1
J82-C1
J83-C1
J83-C1
J84-C1
J84-C1
J85-C1
3300.0 ft
3350.0 ft
3400.0 ft
3450.0 ft
3500.0 ft

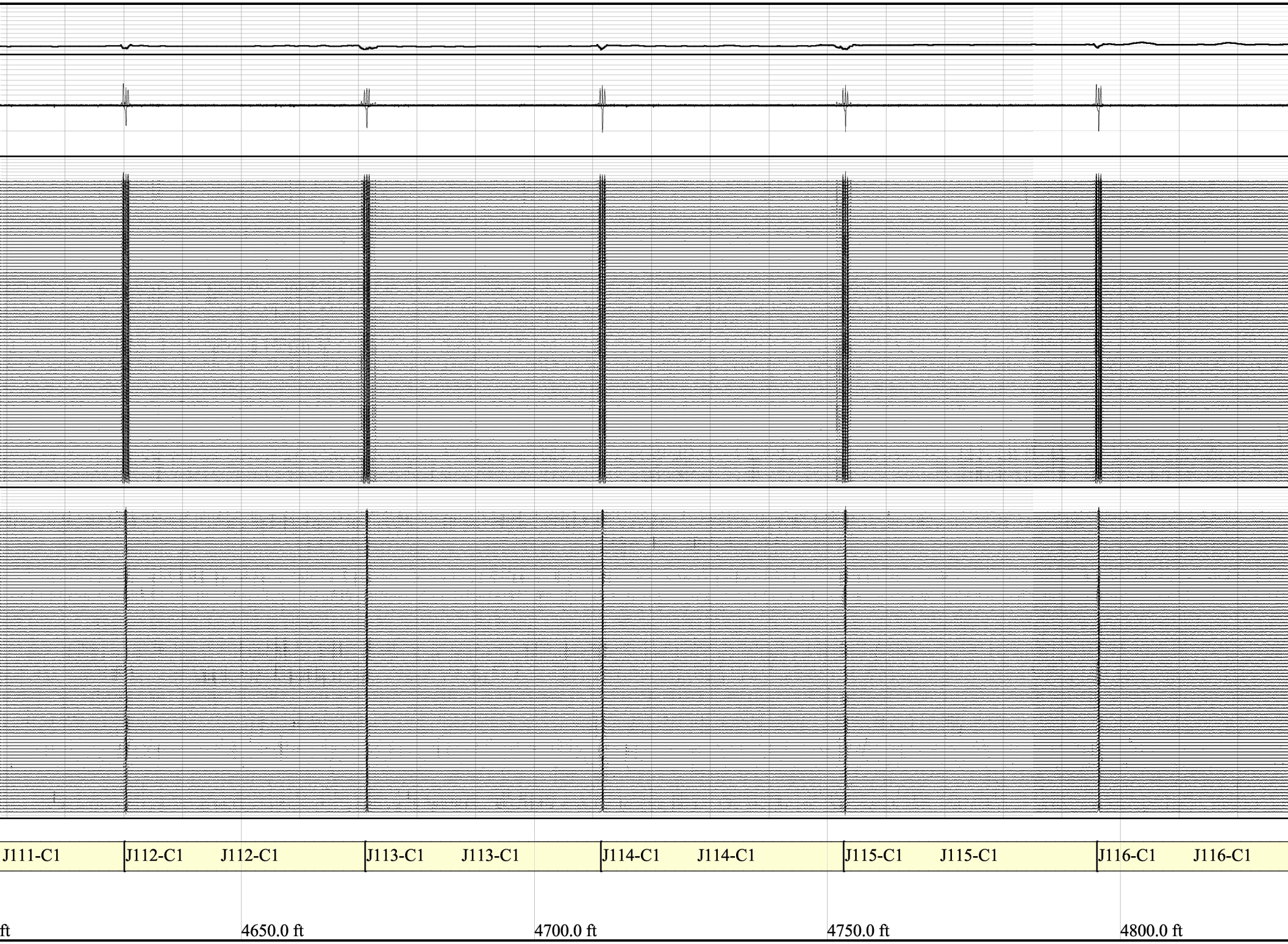

J85-C1
J86-C1
J86-C1
J87-C1
J87-C1
J88-C1
J88-C1
J89-C1
J89-C1
J90-C1
3550.0 ft
3600.0 ft
3650.0 ft
3700.0 ft

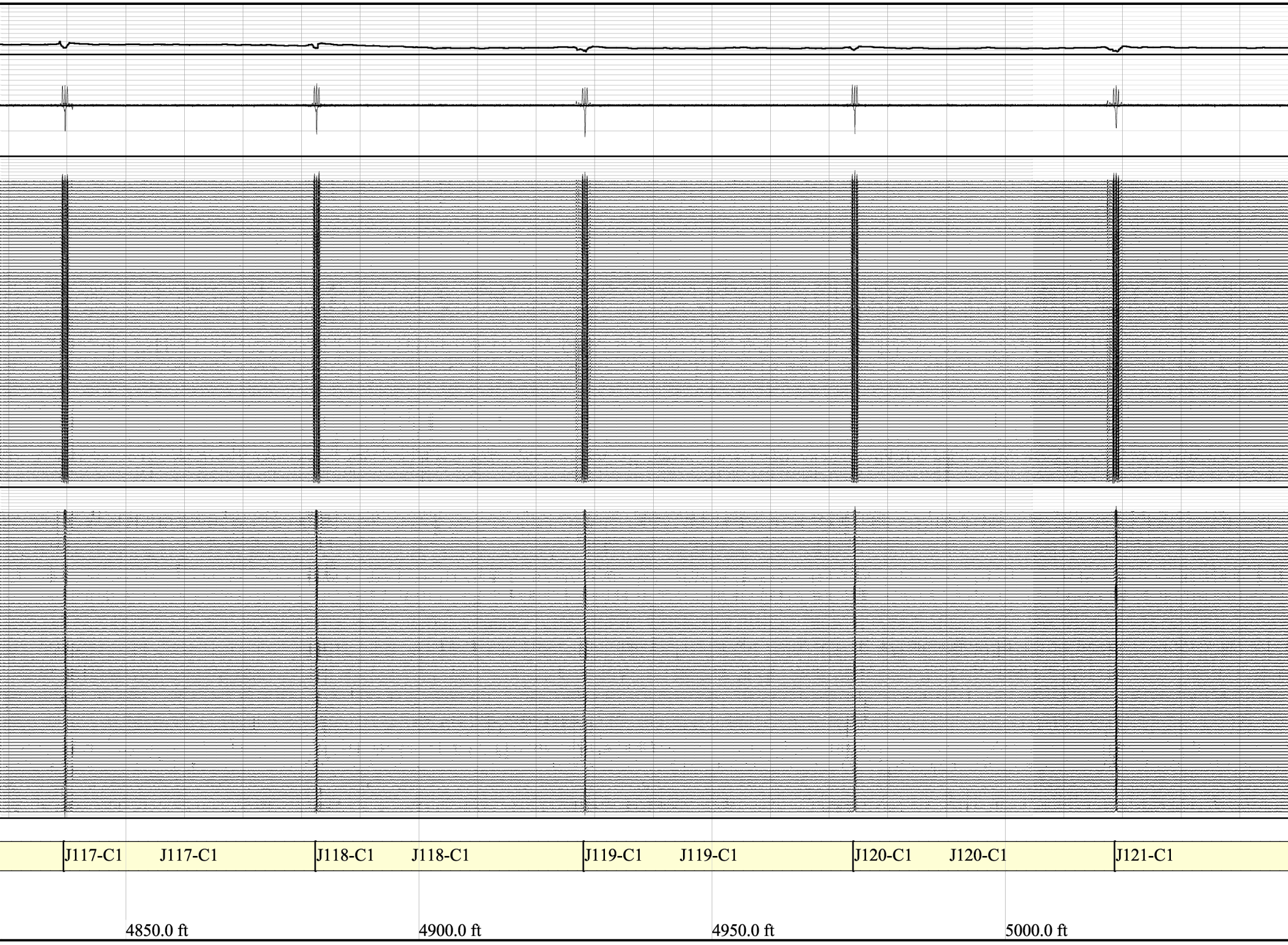

J90-C1
J91-C1
J91-C1
J92-C1
J92-C1
J93-C1
J93-C1
J94-C1
J94-C1
J95-C1
3750.0 ft
3800.0 ft
3850.0 ft
3900.0 ft

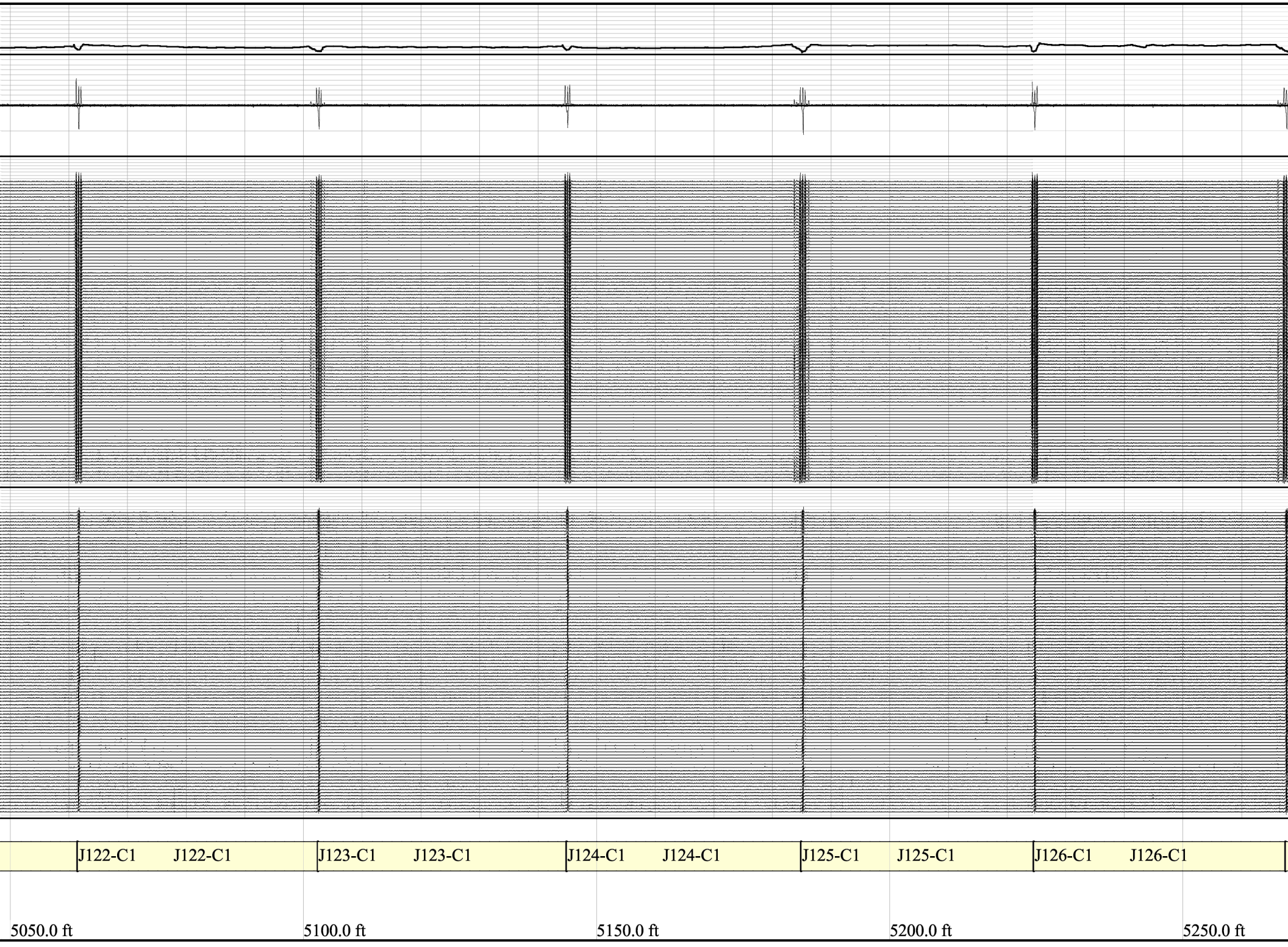

J95-C1
J96-C1
J96-C1
J97-C1
J97-C1
J98-C1
J98-C1
J99-C1
J99-C1
J100-C1
3950.0 ft
4000.0 ft
4050.0 ft
4100.0 ft
4150.0 ft

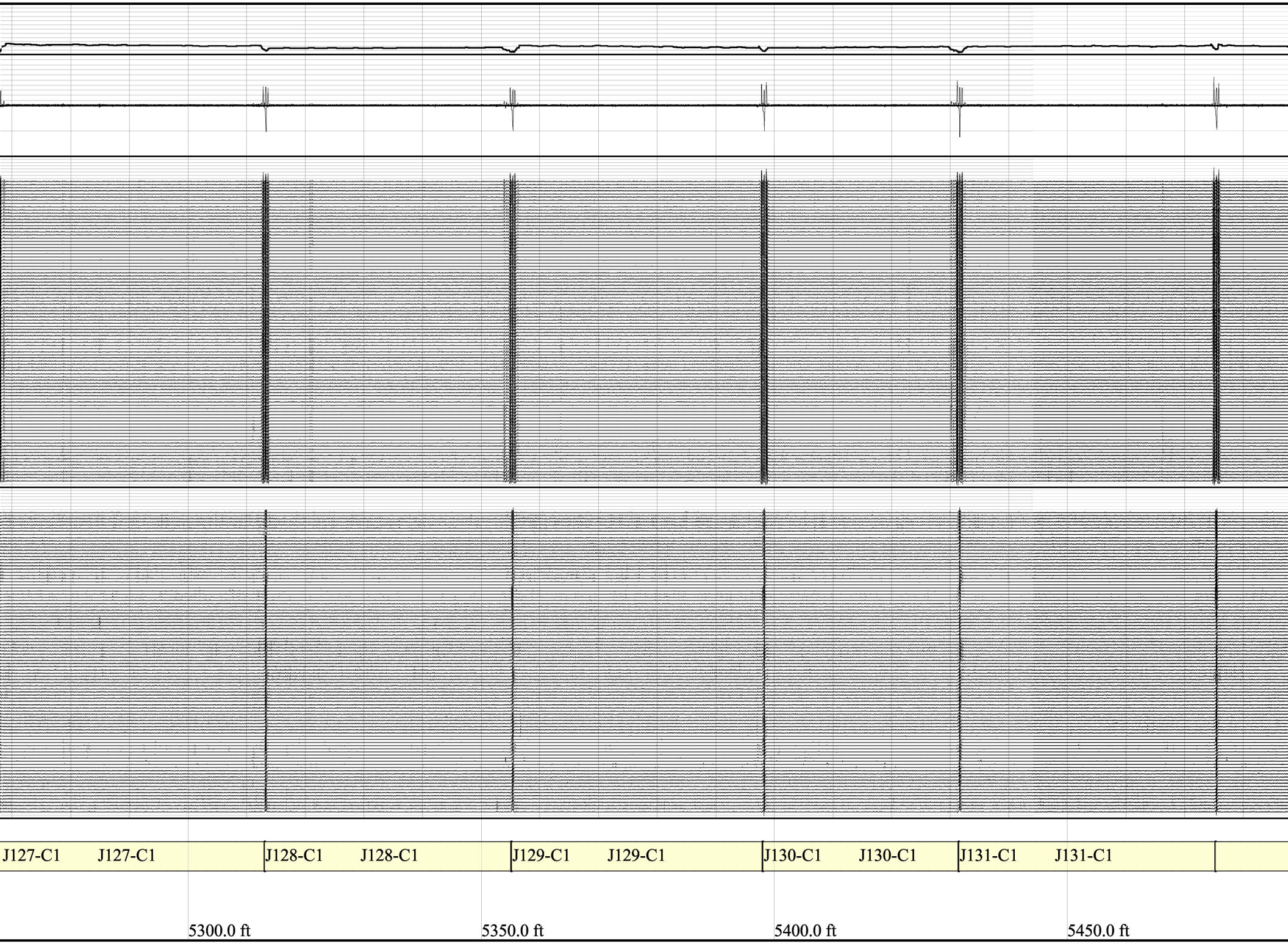

J101-C1
J101-C1
J102-C1
J102-C1
J103-C1
J103-C1
J104-C1
J104-C1
J106-C1
4200.0 ft
4250.0 ft
4300.0 ft
4350.0 ft

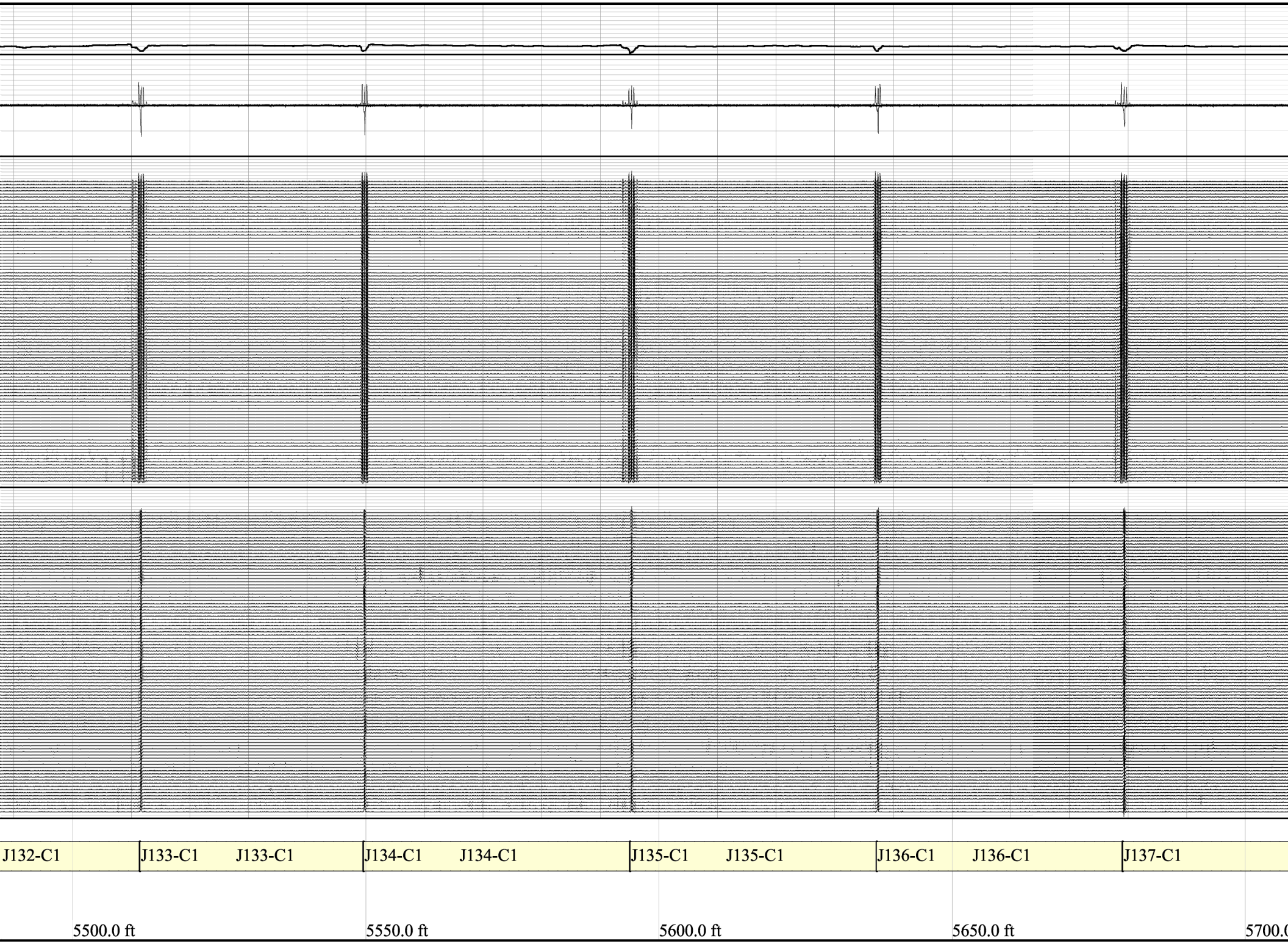

J106-C1
J107-C1
J107-C1
J108-C1
J108-C1
J109-C1
J109-C1
J110-C1
J110-C1
J111-C1
4400.0 ft
4450.0 ft
4500.0 ft
4550.0 ft
4600.0

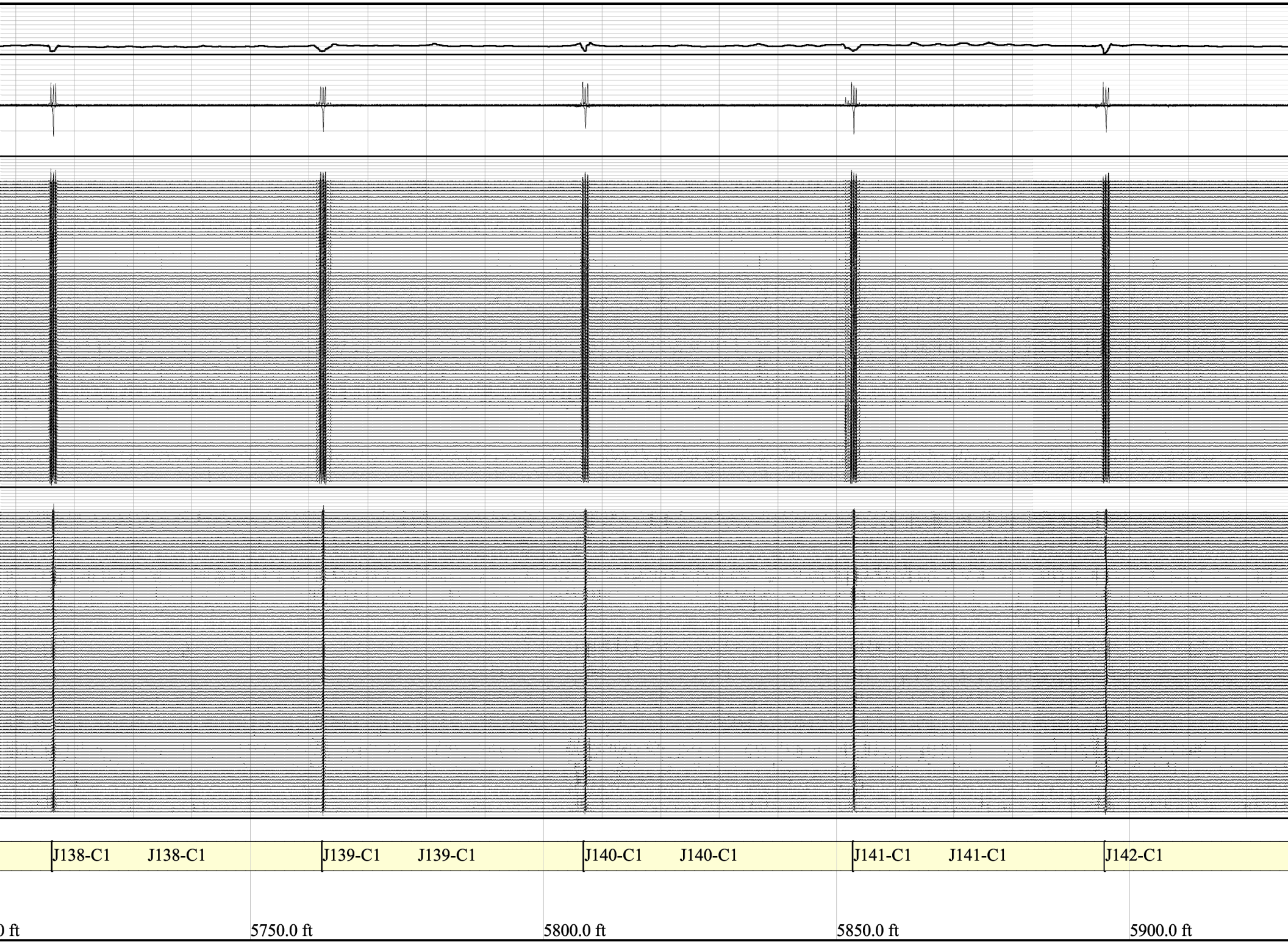

J111-C1
J112-C1
J112-C1
J113-C1
J113-C1
J114-C1
J114-C1
J115-C1
J115-C1
J116-C1
J116-C1
ft
4650.0 ft
4700.0 ft
4750.0 ft
4800.0 ft

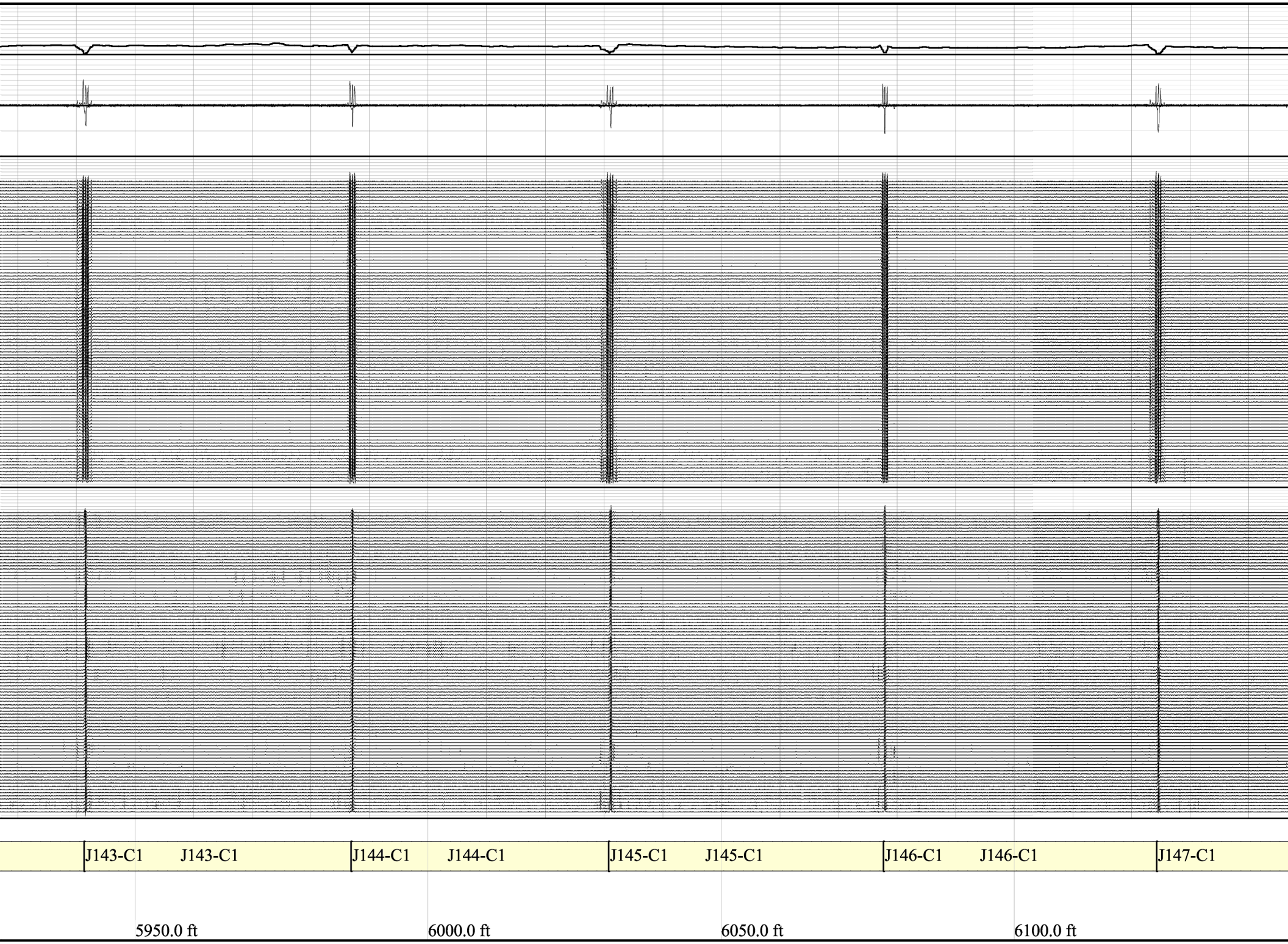

J117-C1
J117-C1
J118-C1
J118-C1
J119-C1
J119-C1
J120-C1
J120-C1
J121-C1
4850.0 ft
4900.0 ft
4950.0 ft
5000.0 ft

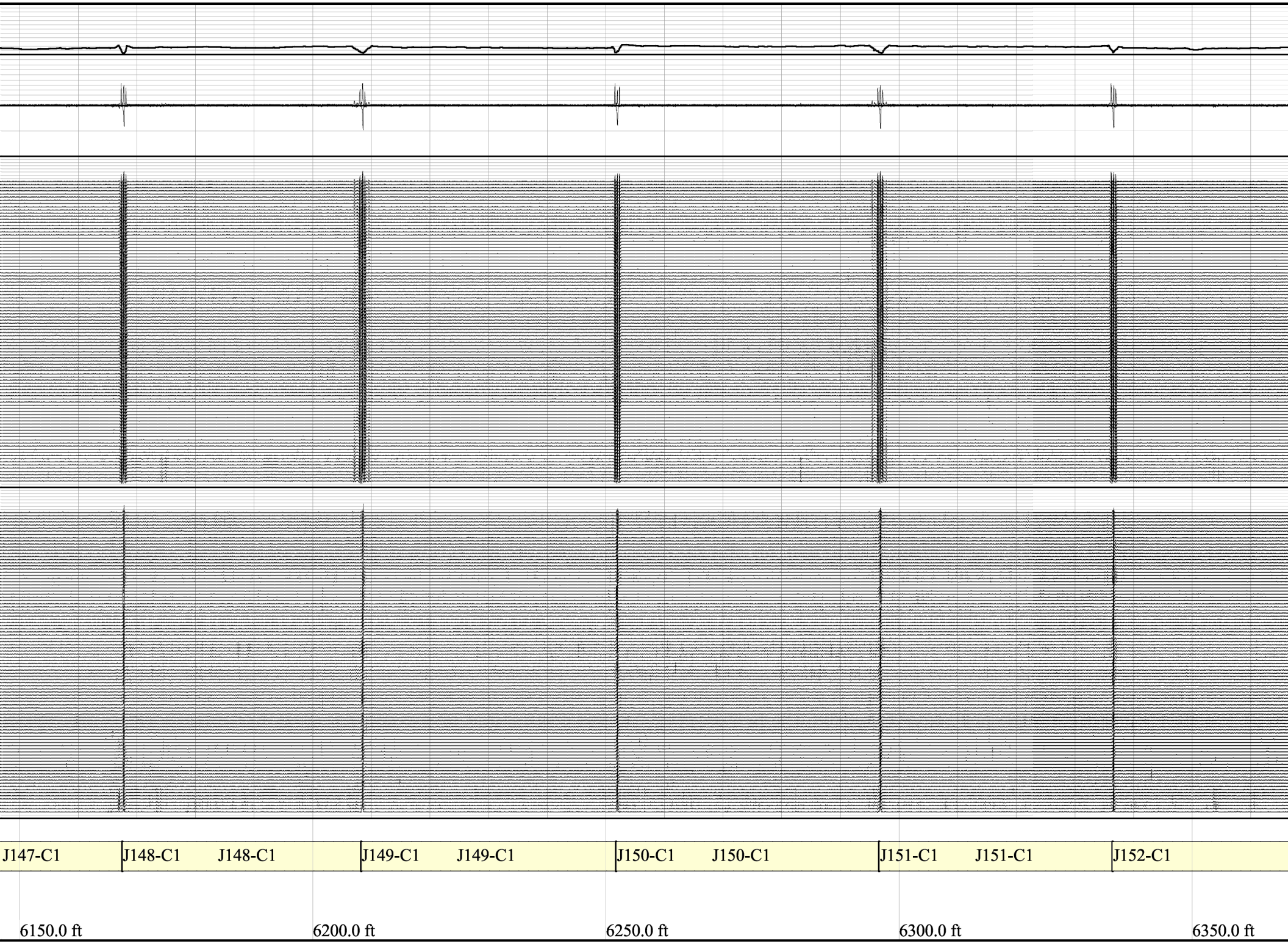

J122-C1
J122-C1
J123-C1
J123-C1
J124-C1
J124-C1
J125-C1
J125-C1
J126-C1
J126-C1
5050.0 ft
5100.0 ft
5150.0 ft
5200.0 ft
5250.0 ft

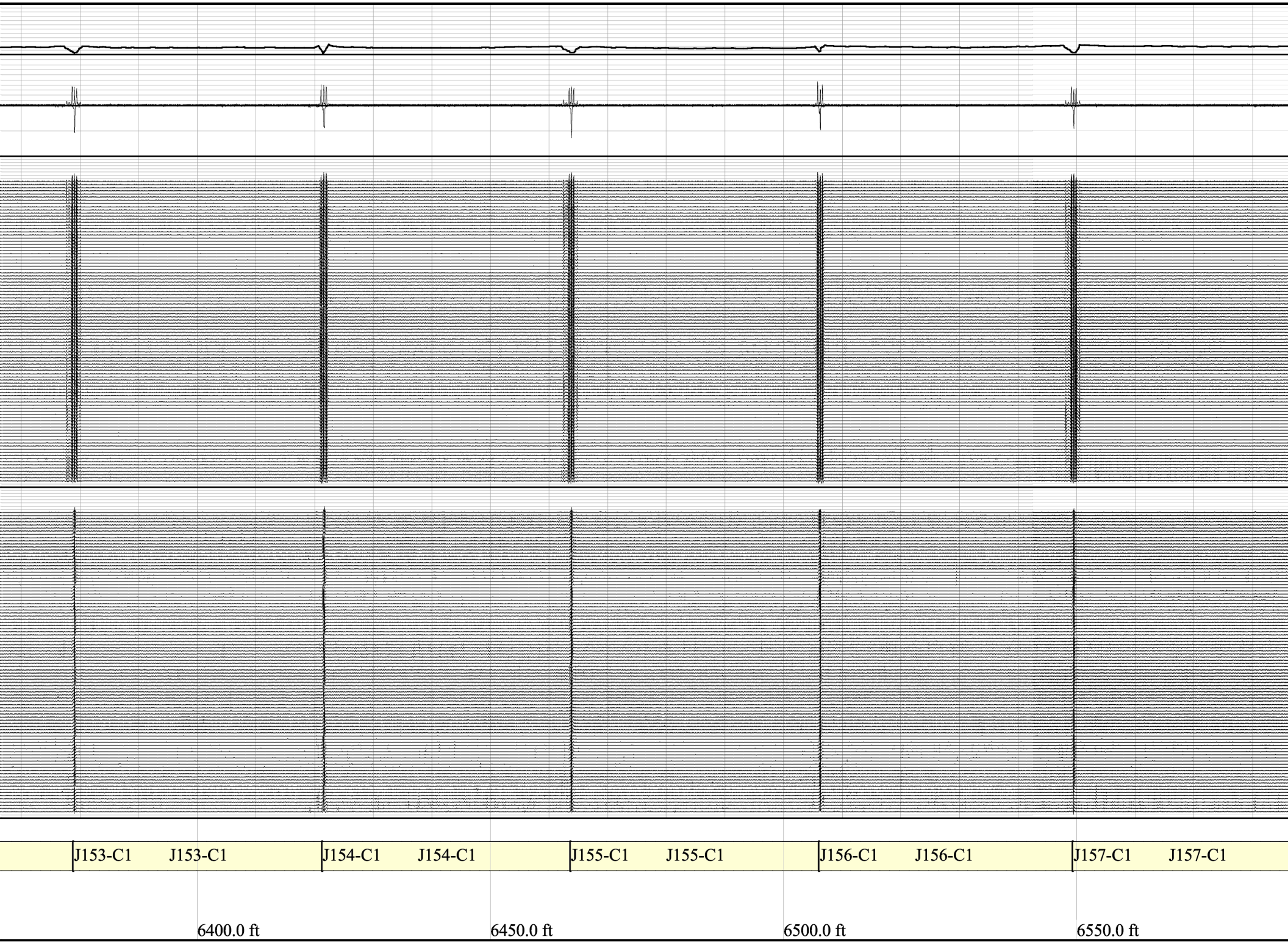

J127-C1
J127-C1
J128-C1
J128-C1
J129-C1
J129-C1
J130-C1
J130-C1
J131-C1
J131-C1
5300.0 ft
5350.0 ft
5400.0 ft
5450.0 ft

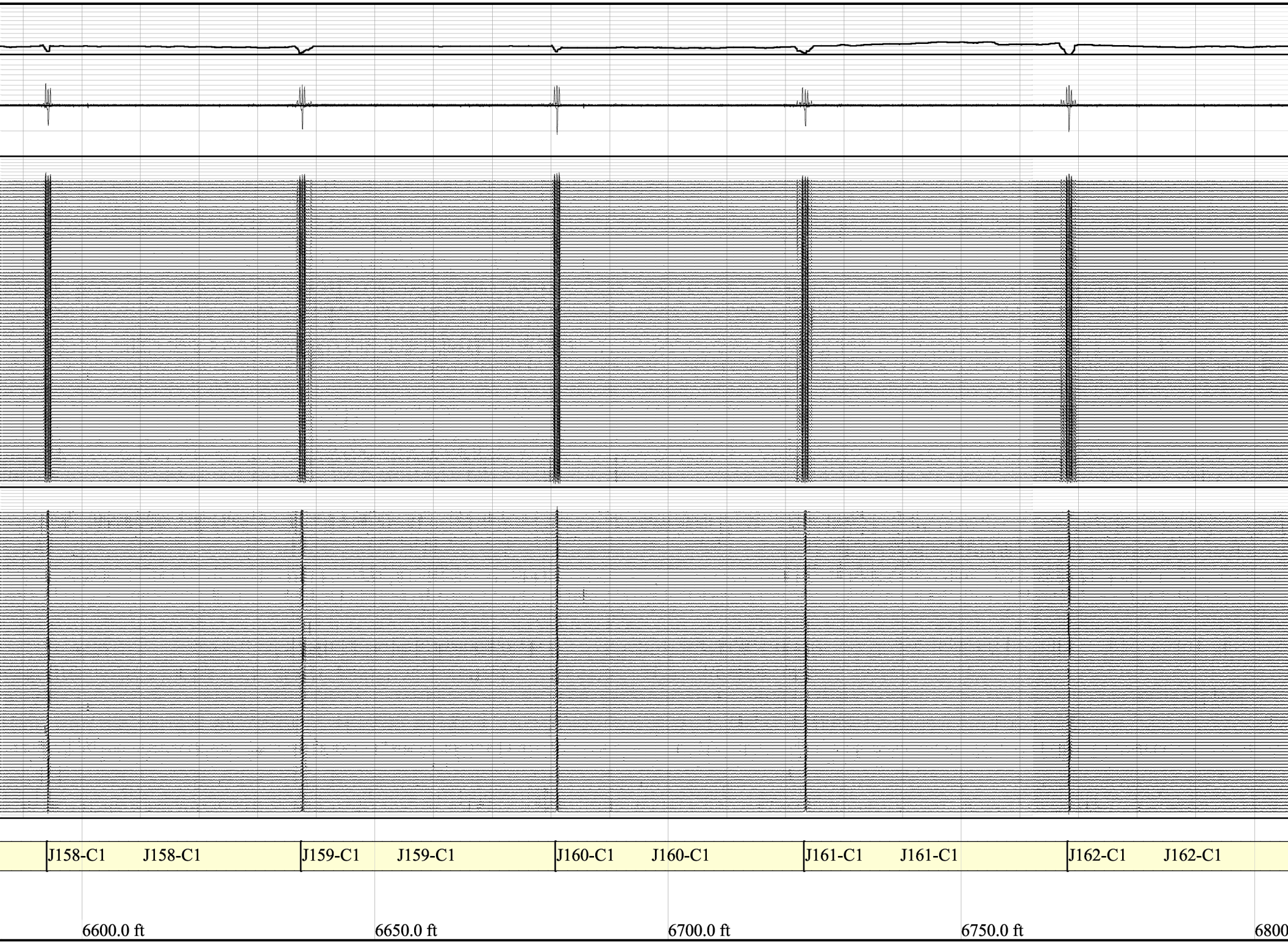

J132-C1
J133-C1
J133-C1
J134-C1
J134-C1
J135-C1
J135-C1
J136-C1
J136-C1
J137-C1
5500.0 ft
5550.0 ft
5600.0 ft
5650.0 ft

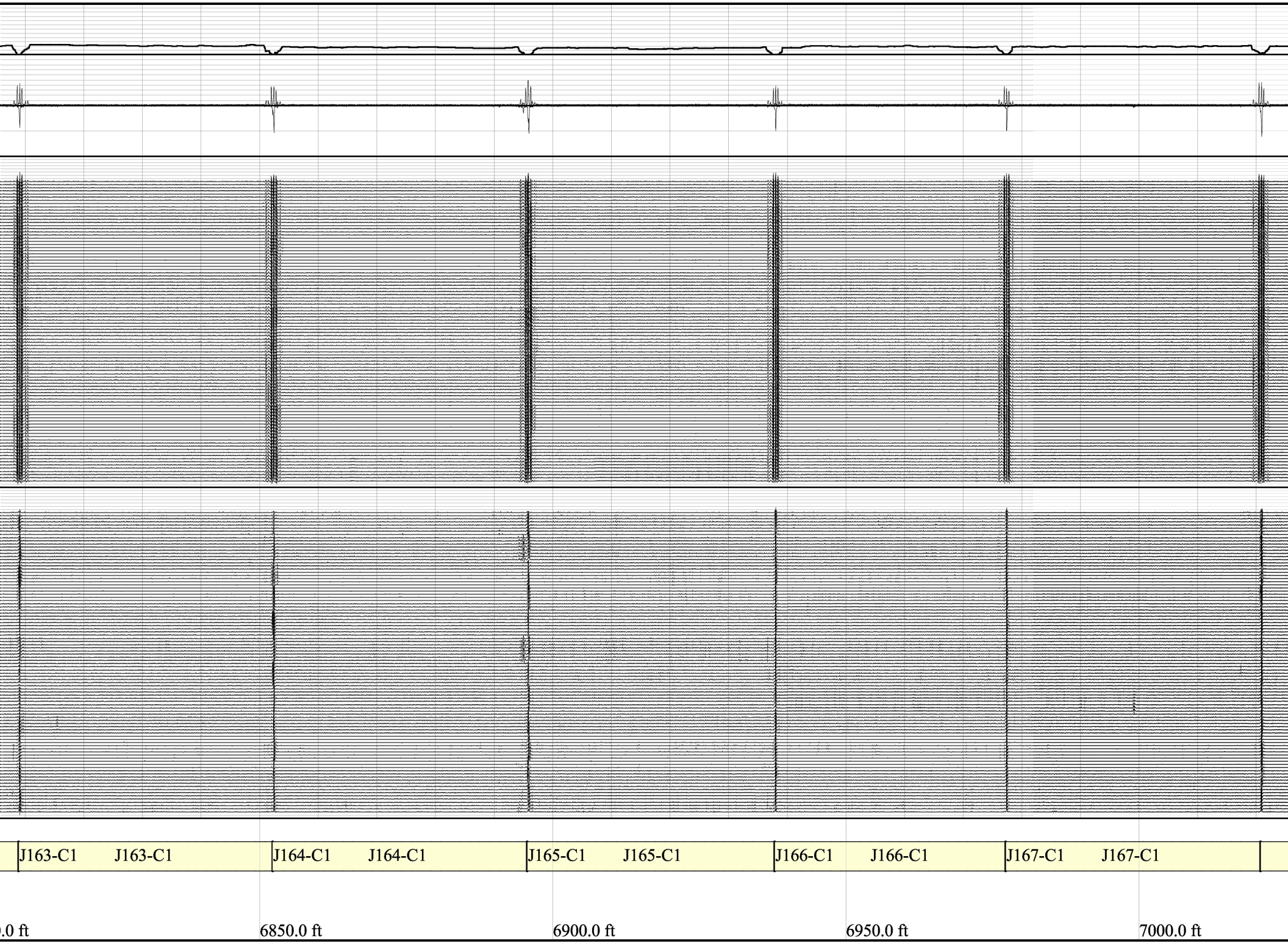

J138-C1
J138-C1
J139-C1
J139-C1
J140-C1
J140-C1
J141-C1
J141-C1
J142-C1
0 ft
5750.0 ft
5800.0 ft
5850.0 ft
5900.0 ft

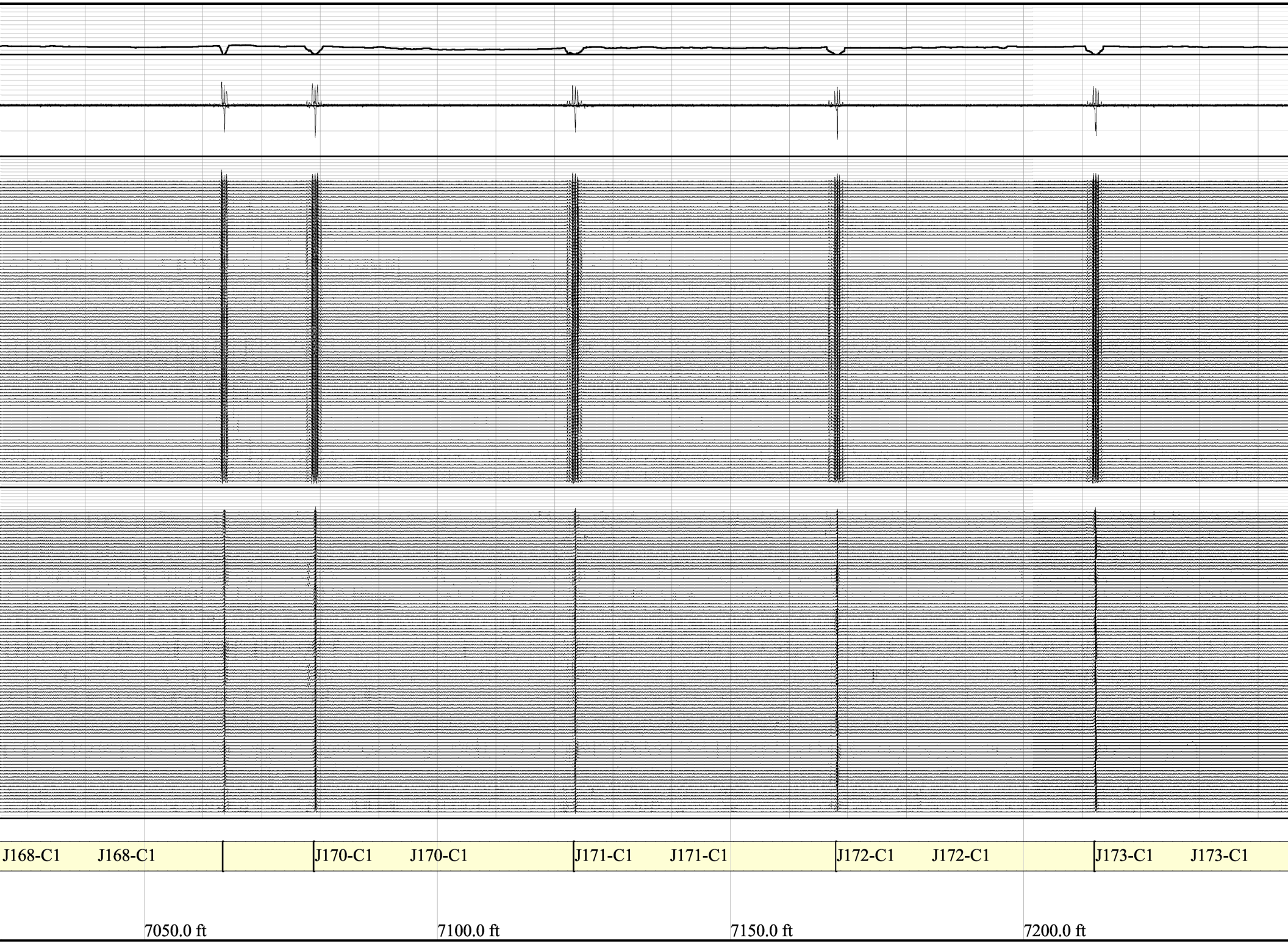

J143-C1
J143-C1
J144-C1
J144-C1
J145-C1
J145-C1
J146-C1
J146-C1
J147-C1
5950.0 ft
6000.0 ft
6050.0 ft
6100.0 ft

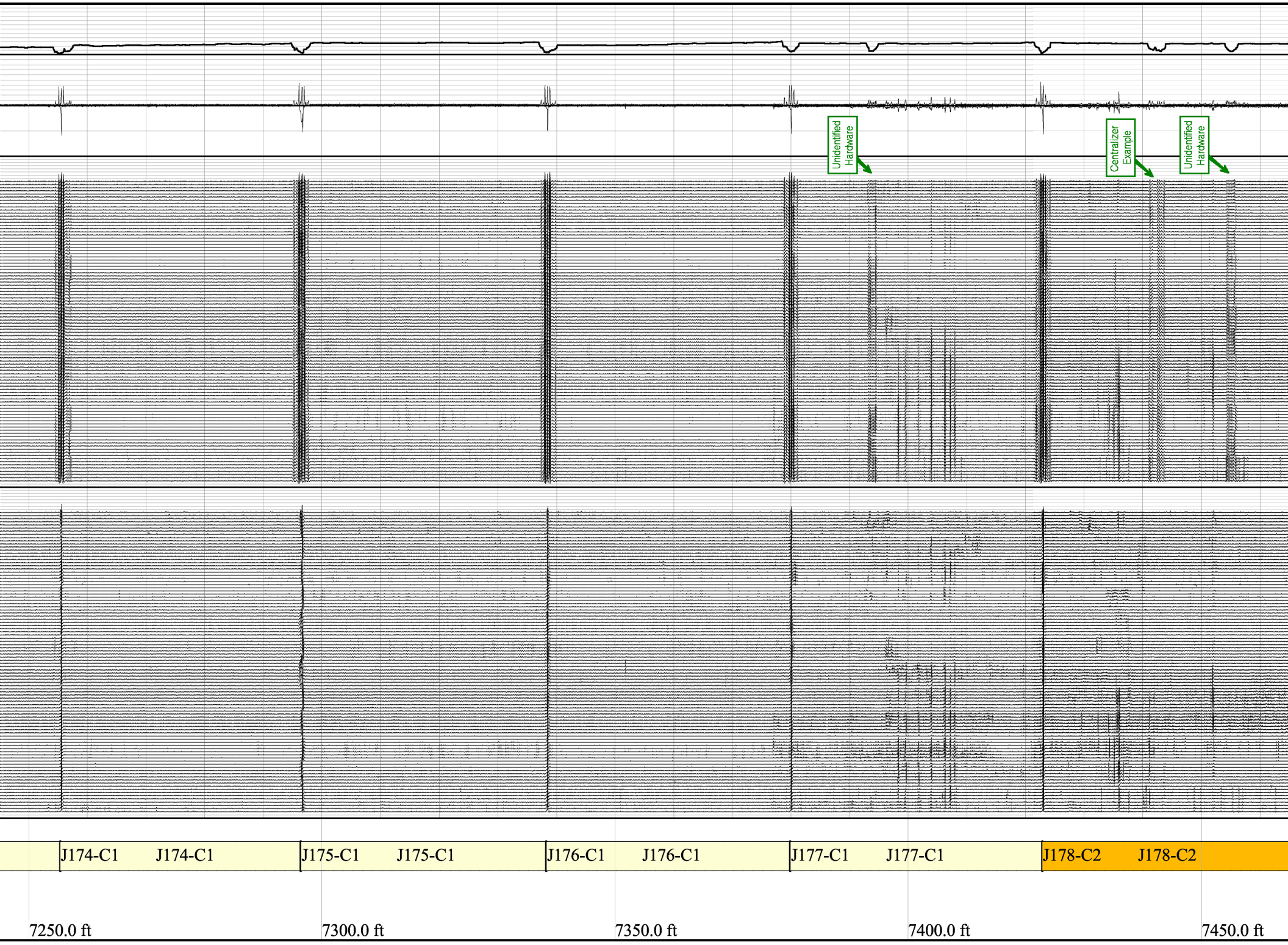

J147-C1
J148-C1
J148-C1
J149-C1
J149-C1
J150-C1
J150-C1
J151-C1
J151-C1
J152-C1
6150.0 ft
6200.0 ft
6250.0 ft
6300.0 ft
6350.0 ft

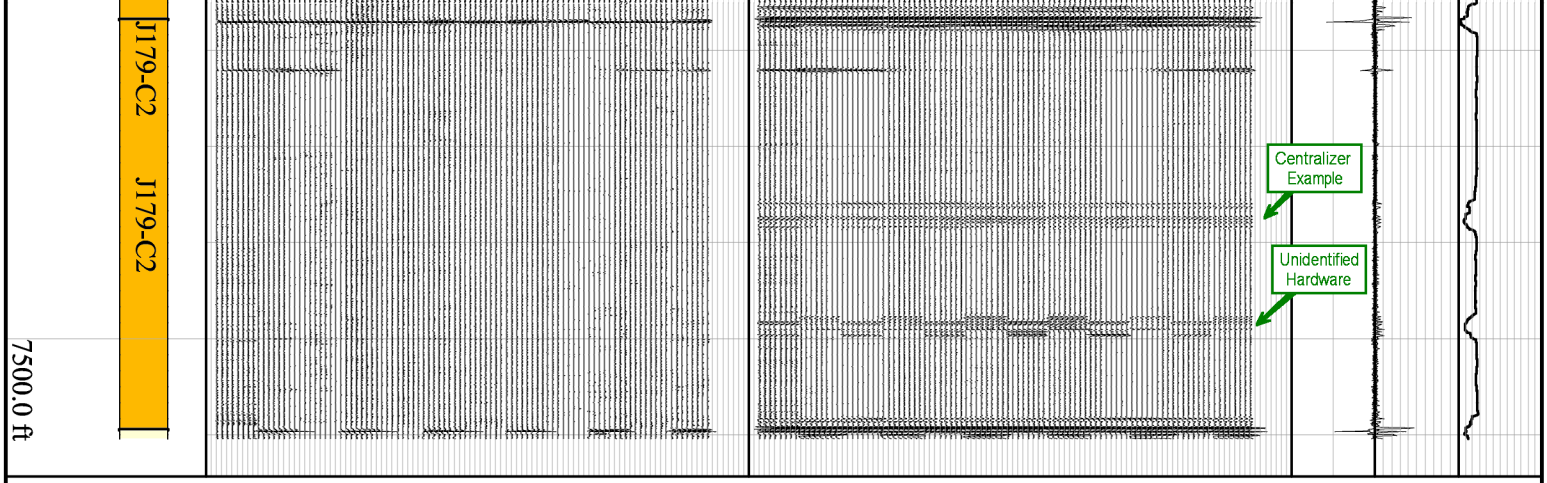

J153-C1
J153-C1
J154-C1
J154-C1
J155-C1
J155-C1
J156-C1
J156-C1
J157-C1
J157-C1
6400.0 ft
6450.0 ft
6500.0 ft
6550.0 ft


J158-C1
J158-C1
J159-C1
J159-C1
J160-C1
J160-C1
J161-C1
J161-C1
J162-C1
J162-C1
6600.0 ft
6650.0 ft
6700.0 ft
6750.0 ft
6800


J163-C1
J163-C1
J164-C1
J164-C1
J165-C1
J165-C1
J166-C1
J166-C1
J167-C1
J167-C1
.0 ft
6850.0 ft
6900.0 ft
6950.0 ft
7000.0 ft


J168-C1
J168-C1
J170-C1
J170-C1
J171-C1
J171-C1
J172-C1
J172-C1
J173-C1
J173-C1
7050.0 ft
7100.0 ft
7150.0 ft
7200.0 ft


Unidentified Hardware
Centralizer Example
Unidentified Hardware
J174-C1
J174-C1
J175-C1
J175-C1
J176-C1
J176-C1
J177-C1
J177-C1
J178-C2
J178-C2
7250.0 ft
7300.0 ft
7350.0 ft
7400.0 ft
7450.0 ft



Southern California Gas Company Porter 69C

File 20160709_092152_RSP_0_0_0_0_0_0_0_0_0_0_0_0.mvl

Joint Summary

Southern California Gas Company
Aliso Canyon
Porter 69C

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	22.00	35.37	9.625	0.472	47.0	0			1
JT-2	57.37	11.73	9.625	0.472	47.0	0			1
JT-3	69.09	45.93	9.625	0.472	47.0	0			1
JT-4	115.02	42.58	9.625	0.472	47.0	0			1
JT-5	157.60	43.01	9.625	0.472	47.0	0			1
JT-6	200.61	36.37	9.625	0.472	47.0	0			1
JT-7	236.99	38.91	9.625	0.472	47.0	0			1
JT-8	275.90	36.28	9.625	0.472	47.0	0			1
JT-9	312.18	37.01	9.625	0.472	47.0	0			1
JT-10	349.19	34.45	9.625	0.472	47.0	0			1
JT-11	383.65	36.09	9.625	0.472	47.0	0			1
JT-12	419.74	36.34	9.625	0.472	47.0	0			1
JT-13	456.08	37.01	9.625	0.472	47.0	0			1
JT-14	493.09	36.14	9.625	0.472	47.0	0			1
JT-15	529.23	37.32	9.625	0.472	47.0	0			1
JT-16	566.54	34.86	9.625	0.472	47.0	0			1
JT-17	601.40	36.92	9.625	0.472	47.0	0			1
JT-18	638.32	37.04	9.625	0.472	47.0	0			1
JT-19	675.36	36.51	9.625	0.472	47.0	0			1
JT-20	711.87	36.90	9.625	0.472	47.0	0			1
JT-21	748.77	38.52	9.625	0.472	47.0	0			1
JT-22	787.30	45.02	9.625	0.472	47.0	0			1
JT-23	832.31	41.70	9.625	0.472	47.0	0			1
JT-24	874.02	43.50	9.625	0.472	47.0	0			1
JT-25	917.51	42.97	9.625	0.472	47.0	0			1
JT-26	960.48	43.49	9.625	0.472	47.0	0			1
JT-27	1003.97	43.75	9.625	0.472	47.0	0			1
JT-28	1047.73	46.03	9.625	0.472	47.0	0			1
JT-29	1093.76	44.58	9.625	0.472	47.0	0			1
JT-30	1138.34	43.38	9.625	0.472	47.0	0			1
JT-31	1181.72	45.20	9.625	0.472	47.0	0			1
JT-32	1226.91	45.12	9.625	0.472	47.0	0			1
JT-33	1272.04	43.49	9.625	0.472	47.0	0			1
JT-34	1315.53	42.66	9.625	0.472	47.0	0			1
JT-35	1358.19	44.09	9.625	0.472	47.0	0			1
JT-36	1402.28	46.90	9.625	0.472	47.0	0			1
JT-37	1449.19	43.30	9.625	0.472	47.0	0			1
JT-38	1492.49	43.44	9.625	0.472	47.0	0			1
JT-39	1535.93	42.84	9.625	0.472	47.0	0			1
JT-40	1578.77	42.22	9.625	0.472	47.0	0			1
JT-41	1620.99	43.05	9.625	0.472	47.0	0			1
JT-42	1664.04	42.92	9.625	0.472	47.0	0			1
JT-43	1706.96	36.65	9.625	0.472	47.0	0			1

JT-44	1743.61	43.01	9.625	0.472	47.0	0	1
JT-45	1786.62	44.17	9.625	0.472	47.0	0	1
JT-46	1830.79	39.57	9.625	0.472	47.0	0	1
JT-47	1870.36	43.80	9.625	0.472	47.0	0	1
JT-48	1914.16	43.49	9.625	0.472	47.0	0	1
JT-49	1957.65	43.18	9.625	0.472	47.0	0	1
JT-50	2000.83	43.02	9.625	0.472	47.0	0	1
JT-51	2043.85	43.57	9.625	0.472	47.0	0	1
JT-52	2087.42	44.97	9.625	0.472	47.0	0	1
JT-53	2132.39	43.45	9.625	0.472	47.0	0	1
JT-54	2175.83	43.88	9.625	0.472	47.0	0	1
JT-55	2219.71	43.90	9.625	0.472	47.0	0	1
JT-56	2263.61	42.90	9.625	0.472	47.0	0	1
JT-57	2306.51	45.71	9.625	0.472	47.0	0	1
JT-58	2352.23	42.22	9.625	0.472	47.0	0	1
JT-59	2394.45	43.24	9.625	0.472	47.0	0	1
JT-60	2437.68	41.58	9.625	0.472	47.0	0	1
JT-61	2479.26	43.40	9.625	0.472	47.0	0	1
JT-62	2522.66	46.51	9.625	0.472	47.0	0	1
JT-63	2569.17	43.85	9.625	0.472	47.0	0	1
JT-64	2613.01	36.10	9.625	0.472	47.0	0	1
JT-65	2649.11	36.45	9.625	0.472	47.0	0	1
JT-66	2685.56	36.40	9.625	0.472	47.0	0	1
JT-67	2721.96	43.25	9.625	0.472	47.0	0	1
JT-68	2765.22	41.70	9.625	0.472	47.0	0	1
JT-69	2806.92	36.83	9.625	0.472	47.0	0	1
JT-70	2843.76	38.10	9.625	0.472	47.0	0	1
JT-71	2881.85	43.09	9.625	0.472	47.0	0	1
JT-72	2924.94	45.16	9.625	0.472	47.0	0	1
JT-73	2970.10	43.41	9.625	0.472	47.0	0	1
JT-74	3013.51	43.07	9.625	0.472	47.0	0	1
JT-75	3056.58	44.88	9.625	0.472	47.0	0	1
JT-76	3101.46	42.80	9.625	0.472	47.0	0	1
JT-77	3144.26	42.73	9.625	0.472	47.0	0	1
JT-78	3186.98	43.10	9.625	0.472	47.0	0	1
JT-79	3230.09	45.03	9.625	0.472	47.0	0	1
JT-80	3275.12	45.01	9.625	0.472	47.0	0	1
JT-81	3320.13	41.85	9.625	0.472	47.0	0	1
JT-82	3361.98	43.52	9.625	0.472	47.0	0	1
JT-83	3405.51	46.35	9.625	0.472	47.0	0	1
JT-84	3451.86	41.94	9.625	0.472	47.0	0	1
JT-85	3493.80	43.47	9.625	0.472	47.0	0	1
JT-86	3537.28	43.25	9.625	0.472	47.0	0	1
JT-87	3580.53	42.37	9.625	0.472	47.0	0	1
JT-88	3622.89	43.50	9.625	0.472	47.0	0	1
JT-89	3666.39	45.09	9.625	0.472	47.0	0	1
JT-90	3711.48	43.98	9.625	0.472	47.0	0	1
JT-91	3755.46	42.01	9.625	0.472	47.0	0	1
JT-92	3797.48	42.96	9.625	0.472	47.0	0	1
JT-93	3840.43	42.75	9.625	0.472	47.0	0	1
JT-94	3883.18	41.81	9.625	0.472	47.0	0	1
JT-95	3924.99	41.54	9.625	0.472	47.0	0	1
JT-96	3966.53	42.83	9.625	0.472	47.0	0	1
JT-97	4009.36	46.79	9.625	0.472	47.0	0	1
JT-98	4056.15	42.77	9.625	0.472	47.0	0	1
JT-99	4098.92	42.79	9.625	0.472	47.0	0	1
JT-100	4141.71	42.26	9.625	0.472	47.0	0	1
JT-101	4183.97	43.50	9.625	0.472	47.0	0	1
JT-102	4227.47	42.96	9.625	0.472	47.0	0	1
JT-103	4270.43	40.30	9.625	0.472	47.0	0	1
JT-104	4310.73	42.94	9.625	0.472	47.0	0	1
JT-105	4353.67	14.22	9.625	0.472	47.0	0	1
JT-106	4367.89	45.71	9.625	0.472	47.0	0	1
JT-107	4413.60	44.59	9.625	0.472	47.0	0	1
JT-108	4458.19	44.28	9.625	0.472	47.0	0	1
JT-109	4502.48	43.22	9.625	0.472	47.0	0	1
JT-110	4545.69	41.62	9.625	0.472	47.0	0	1
JT-111	4587.32	42.90	9.625	0.472	47.0	0	1
JT-112	4630.21	41.08	9.625	0.472	47.0	0	1
JT-113	4671.30	40.20	9.625	0.472	47.0	0	1
JT-114	4711.50	41.42	9.625	0.472	47.0	0	1
JT-115	4752.93	43.21	9.625	0.472	47.0	0	1
JT-116	4796.13	43.38	9.625	0.472	47.0	0	1
JT-117	4839.52	42.93	9.625	0.472	47.0	0	1
JT-118	4882.45	45.75	9.625	0.472	47.0	0	1
JT-119	4928.20	46.02	9.625	0.472	47.0	0	1
JT-120	4974.22	44.57	9.625	0.472	47.0	0	1
JT-121	5018.79	42.73	9.625	0.472	47.0	0	1
JT-122	5061.53	40.98	9.625	0.472	47.0	0	1
JT-123	5102.51	42.41	9.625	0.472	47.0	0	1
JT-124	5144.92	40.02	9.625	0.472	47.0	0	1
JT-125	5184.95	39.68	9.625	0.472	47.0	0	1
JT-126	5224.63	42.89	9.625	0.472	47.0	0	1
JT-127	5267.51	45.59	9.625	0.472	47.0	0	1
JT-128	5313.11	42.14	9.625	0.472	47.0	0	1

JT-129	5355.24	42.88	9.625	0.472	47.0	0			1
JT-130	5398.12	33.37	9.625	0.472	47.0	0			1
JT-131	5431.50	43.78	9.625	0.472	47.0	0			1
JT-132	5475.28	36.27	9.625	0.472	47.0	0			1
JT-133	5511.55	38.14	9.625	0.472	47.0	0			1
JT-134	5549.69	45.48	9.625	0.472	47.0	0			1
JT-135	5595.16	42.05	9.625	0.472	47.0	0			1
JT-136	5637.21	41.93	9.625	0.472	47.0	0			1
JT-137	5679.14	37.10	9.625	0.472	47.0	0			1
JT-138	5716.24	46.03	9.625	0.472	47.0	0			1
JT-139	5762.28	44.67	9.625	0.472	47.0	0			1
JT-140	5806.94	45.86	9.625	0.472	47.0	0			1
JT-141	5852.81	42.95	9.625	0.472	47.0	0			1
JT-142	5895.76	45.70	9.625	0.472	47.0	0			1
JT-143	5941.46	45.50	9.625	0.472	47.0	0			1
JT-144	5986.96	43.99	9.625	0.472	47.0	0			1
JT-145	6030.94	46.86	9.625	0.472	47.0	0			1
JT-146	6077.81	46.60	9.625	0.472	47.0	0			1
JT-147	6124.40	43.16	9.625	0.472	47.0	0			1
JT-148	6167.57	40.76	9.625	0.472	47.0	0			1
JT-149	6208.33	43.51	9.625	0.472	47.0	0			1
JT-150	6251.84	44.84	9.625	0.472	47.0	0			1
JT-151	6296.69	39.79	9.625	0.472	47.0	0			1
JT-152	6336.48	42.45	9.625	0.472	47.0	0			1
JT-153	6378.93	42.40	9.625	0.472	47.0	0			1
JT-154	6421.34	42.35	9.625	0.472	47.0	0			1
JT-155	6463.69	42.42	9.625	0.472	47.0	0			1
JT-156	6506.11	43.26	9.625	0.472	47.0	0			1
JT-157	6549.38	44.73	9.625	0.472	47.0	0			1
JT-158	6594.11	43.36	9.625	0.472	47.0	0			1
JT-159	6637.47	43.43	9.625	0.472	47.0	0			1
JT-160	6680.90	42.36	9.625	0.472	47.0	0			1
JT-161	6723.26	44.97	9.625	0.472	47.0	0			1
JT-162	6768.23	40.72	9.625	0.472	47.0	0			1
JT-163	6808.95	43.32	9.625	0.472	47.0	0			1
JT-164	6852.27	43.45	9.625	0.472	47.0	0			1
JT-165	6895.72	42.18	9.625	0.472	47.0	0			1
JT-166	6937.90	39.38	9.625	0.472	47.0	0			1
JT-167	6977.28	43.48	9.625	0.472	47.0	0			1
JT-168	7020.77	42.77	9.625	0.472	47.0	0			1
JT-169	7063.53	15.49	9.625	0.472	47.0	0			1
JT-170	7079.02	44.34	9.625	0.472	47.0	0			1
JT-171	7123.36	44.70	9.625	0.472	47.0	0			1
JT-172	7168.06	44.10	9.625	0.472	47.0	0			1
JT-173	7212.17	43.21	9.625	0.472	47.0	0			1
JT-174	7255.38	41.08	9.625	0.472	47.0	0			1
JT-175	7296.46	41.88	9.625	0.472	47.0	0			1
JT-176	7338.34	41.60	9.625	0.472	47.0	0			1
JT-177	7379.94	42.96	9.625	0.472	47.0	17	7396.11	8479	1
JT-178	7422.90	44.01	9.625	0.472	47.0	26	7435.80	8542	2
JT-179	7466.91	42.65	9.625	0.472	47.0	21	7471.93	8669	2
JT-180	7509.56	0.90	9.625	0.472	47.0	0			1

Inspection Date: 07-09-2016
Report Date: 07-13-2016