HR Vertilog

Magnetic Flux Leakage Inspection

Advanced Analysis

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

Section 28	Township 3N	Range 16W	

Date	May. 24, 2016
Service Order	US107467J
Recorded by	Sid Gornto
Witnessed by	Mr John Herrin
API Serial No.	04-037-24236

Permanent Datum:	G.L.	Elevation:	2370.400 ft.	Depth	8820.000
Log Measured From:	K.B.	29.000	ft. above Perm. Datum	Btm. Log Interval	7686.200
Drilling Measured From:	K.B.	29.000	ft. above Perm. Datum	Top Log Interval	36.820
				Fluid Type	KCL

Casing Data

Size	Weight	Grade	From	To	Length
9 5/8 inch	47.0 lb/ft	N-80 (HR Std)	Surface	8801	8801.0
13 3/8 inch	54.5 lb/ft	K-55	Surface	923	923.0
4 1/2 inch	N/A	WWS	7726	8072	346.0
5 1/2 inch	N/A	WWS	8072	8274	202.0

Software Version 6.0.0.0

Equipment Data

Run	Trip	Tool Type	Tool Series	Serial Number	Position
1	1	HRVRT MFL	4997	PA10409819	LOWER
1	1	HRVRT MFL	4997	QA10409827	UPPER
1	1	HRVRT TELEM	4993	10360726	

Calibration Data

Calibration File Name	4997-9-001-PA10409819-U.CAL
Date of Calibration	05/04/2015 14:03

Calibration Identifier	B067D5B8-C234-468C-82A0-CD1751E099F9
Tool Number	4997-00
Calibrator Number	4997-9-001
Calibrator Size	(9-5/8 In - 238 mm)
Calibration Source File	20150504_072254_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.3.2.2
Comment	RMA1200

Calibration Data

Calibration File Name	4997-9-001-QA10409827-L.CAL
Date of Calibration	05/04/2015 14:03
Calibration Identifier	B067D5B8-C234-468C-82A0-CD1751E099F9
Tool Number	4997-00
Calibrator Number	4997-9-001
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Calibration Source File	20150504_072254_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.3.2.2
Comment	RMA1200

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.

Remarks

Log Correlated to Schlumberger GR/CCL/Neutron log dated 23May 2016.

Interpretation

HRVRT analysis was depth correlated to B.H. HCAL logged 24 May 2016.

The top joint is a short joint.

37.69 ft	Hardware - External Casing Head Response
928.24 ft	Hardware - Bottom of 13 3/8" External Casing.
962.86 ft	Hardware - Multiple Centralizers can be seen throughout the logged interval, see the Feature List for a complete list.
6382.17 ft	Not a metal loss signature, possible inclusion or blister

Joint Interpretation Summary

Joint	From	To	Length	Class	Max Depth	Position	Type	ID/OD
1	36.82	43.61	6.79	Class 1	-	-	-	-
2	43.61	86.51	42.90	Class 1	-	-	-	-
3	86.51	132.70	46.19	Class 1	-	-	-	-
4	132.70	179.64	46.94	Class 1	-	-	-	-
5	179.64	221.50	41.86	Class 1	-	-	-	-
6	221.50	256.34	34.84	Class 1	-	-	-	-

6	221.00	256.34	34.34	Class 1				
7	256.34	294.91	38.57	Class 1	-	-	-	-
8	294.91	340.24	45.33	Class 1	-	-	-	-
9	340.24	379.55	39.31	Class 1	-	-	-	-
10	379.55	423.90	44.35	Class 1	-	-	-	-
11	423.90	469.99	46.09	Class 1	-	-	-	-
12	469.99	513.53	43.54	Class 1	-	-	-	-
13	513.53	560.76	47.23	Class 1	-	-	-	-
14	560.76	607.00	46.24	Class 1	-	-	-	-
15	607.00	653.97	46.97	Class 1	-	-	-	-
16	653.97	698.10	44.13	Class 1	-	-	-	-
17	698.10	744.29	46.19	Class 1	-	-	-	-
18	744.29	788.77	44.48	Class 1	-	-	-	-
19	788.77	833.97	45.20	Class 1	-	-	-	-
20	833.97	879.18	45.21	Class 1	-	-	-	-
21	879.18	922.13	42.95	Class 1	-	-	-	-
22	922.13	962.74	40.61	Class 1	-	-	-	-
23	962.74	1005.03	42.29	Class 1	-	-	-	-
24	1005.03	1044.23	39.20	Class 1	-	-	-	-
25	1044.23	1090.92	46.69	Class 1	-	-	-	-
26	1090.92	1131.82	40.90	Class 1	-	-	-	-
27	1131.82	1170.00	38.18	Class 1	-	-	-	-
28	1170.00	1214.19	44.19	Class 1	-	-	-	-
29	1214.19	1261.29	47.10	Class 1	-	-	-	-
30	1261.29	1307.69	46.40	Class 1	-	-	-	-
31	1307.69	1350.22	42.53	Class 1	-	-	-	-
32	1350.22	1393.07	42.85	Class 1	-	-	-	-
33	1393.07	1439.81	46.74	Class 1	-	-	-	-
34	1439.81	1485.55	45.74	Class 1	-	-	-	-
35	1485.55	1532.50	46.95	Class 1	-	-	-	-
36	1532.50	1578.46	45.96	Class 1	-	-	-	-
37	1578.46	1624.95	46.49	Class 1	-	-	-	-
38	1624.95	1672.06	47.11	Class 1	-	-	-	-
39	1672.06	1718.25	46.19	Class 1	-	-	-	-
40	1718.25	1764.79	46.54	Class 1	-	-	-	-
41	1764.79	1802.94	38.15	Class 1	-	-	-	-
42	1802.94	1844.28	41.34	Class 1	-	-	-	-
43	1844.28	1890.81	46.53	Class 1	-	-	-	-
44	1890.81	1933.41	42.60	Class 1	-	-	-	-
45	1933.41	1980.33	46.92	Class 1	-	-	-	-
46	1980.33	2019.98	39.65	Class 1	-	-	-	-
47	2019.98	2059.82	39.84	Class 1	-	-	-	-
48	2059.82	2102.21	42.39	Class 1	-	-	-	-
49	2102.21	2138.48	36.27	Class 1	-	-	-	-
50	2138.48	2179.21	40.73	Class 1	-	-	-	-
51	2179.21	2222.35	43.14	Class 1	-	-	-	-
52	2222.35	2267.17	44.82	Class 1	-	-	-	-
53	2267.17	2310.08	42.91	Class 1	-	-	-	-
54	2310.08	2354.81	44.73	Class 1	-	-	-	-
55	2354.81	2397.50	42.69	Class 1	-	-	-	-
56	2397.50	2440.96	43.46	Class 1	-	-	-	-
57	2440.96	2483.92	42.96	Class 1	-	-	-	-
58	2483.92	2525.17	41.25	Class 1	-	-	-	-
59	2525.17	2566.94	41.77	Class 1	-	-	-	-
60	2566.94	2612.76	45.82	Class 1	-	-	-	-
61	2612.76	2651.00	38.24	Class 1	-	-	-	-
62	2651.00	2691.36	40.36	Class 1	-	-	-	-
63	2691.36	2732.74	41.38	Class 1	-	-	-	-
64	2732.74	2775.48	42.74	Class 1	-	-	-	-
65	2775.48	2819.53	44.05	Class 1	-	-	-	-
66	2819.53	2858.44	38.91	Class 1	-	-	-	-
67	2858.44	2902.42	43.98	Class 1	-	-	-	-
68	2902.42	2944.18	41.76	Class 1	-	-	-	-
69	2944.18	2986.40	42.22	Class 1	-	-	-	-

70	2986.40	3030.44	44.04	Class 1	-	-	-	-
71	3030.44	3072.22	41.78	Class 1	-	-	-	-
72	3072.22	3115.62	43.40	Class 1	16.0%	3078.34	ISO	ID
73	3115.62	3158.07	42.45	Class 1	-	-	-	-
74	3158.07	3198.95	40.88	Class 1	-	-	-	-
75	3198.95	3242.31	43.36	Class 1	-	-	-	-
76	3242.31	3285.57	43.26	Class 1	-	-	-	-
77	3285.57	3328.64	43.07	Class 1	-	-	-	-
78	3328.64	3368.99	40.35	Class 1	-	-	-	-
79	3368.99	3411.32	42.33	Class 1	-	-	-	-
80	3411.32	3448.05	36.73	Class 1	-	-	-	-
81	3448.05	3483.60	35.55	Class 1	-	-	-	-
82	3483.60	3521.69	38.09	Class 1	-	-	-	-
83	3521.69	3563.84	42.15	Class 1	-	-	-	-
84	3563.84	3605.97	42.13	Class 1	-	-	-	-
85	3605.97	3645.81	39.84	Class 1	-	-	-	-
86	3645.81	3684.09	38.28	Class 1	-	-	-	-
87	3684.09	3726.03	41.94	Class 1	-	-	-	-
88	3726.03	3767.99	41.96	Class 1	-	-	-	-
89	3767.99	3808.87	40.88	Class 1	-	-	-	-
90	3808.87	3849.65	40.78	Class 1	-	-	-	-
91	3849.65	3892.15	42.50	Class 1	-	-	-	-
92	3892.15	3935.20	43.05	Class 1	-	-	-	-
93	3935.20	3974.45	39.25	Class 1	-	-	-	-
94	3974.45	4012.56	38.11	Class 1	-	-	-	-
95	4012.56	4054.76	42.20	Class 1	-	-	-	-
96	4054.76	4096.41	41.65	Class 1	-	-	-	-
97	4096.41	4139.69	43.28	Class 1	15.0%	4109.77	ISO	ID
98	4139.69	4183.71	44.02	Class 1	-	-	-	-
99	4183.71	4225.81	42.10	Class 1	-	-	-	-
100	4225.81	4268.53	42.72	Class 1	-	-	-	-
101	4268.53	4308.11	39.58	Class 1	-	-	-	-
102	4308.11	4353.35	45.24	Class 1	-	-	-	-
103	4353.35	4395.41	42.06	Class 1	-	-	-	-
104	4395.41	4439.03	43.62	Class 1	-	-	-	-
105	4439.03	4481.77	42.74	Class 1	-	-	-	-
106	4481.77	4523.66	41.89	Class 1	-	-	-	-
107	4523.66	4567.79	44.13	Class 1	-	-	-	-
108	4567.79	4611.30	43.51	Class 1	-	-	-	-
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119	5021.52	5063.19	41.67	Class 1	-	-	-	-
120	5063.19	5105.36	42.17	Class 1	-	-	-	-
121	5105.36	5147.09	41.73	Class 1	-	-	-	-
122	5147.09	5189.32	42.23	Class 1	-	-	-	-
123	5189.32	5231.34	42.02	Class 1	-	-	-	-
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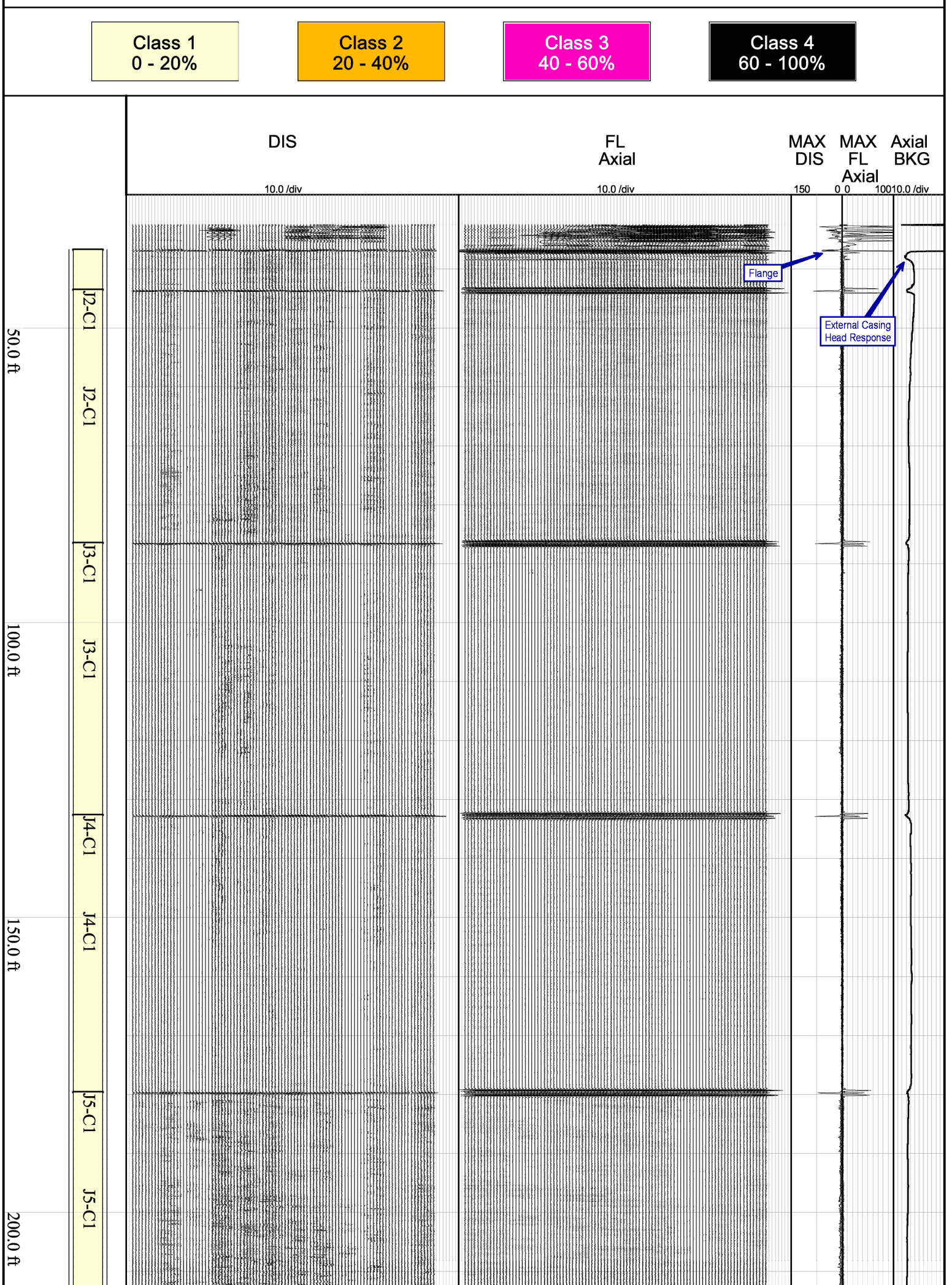
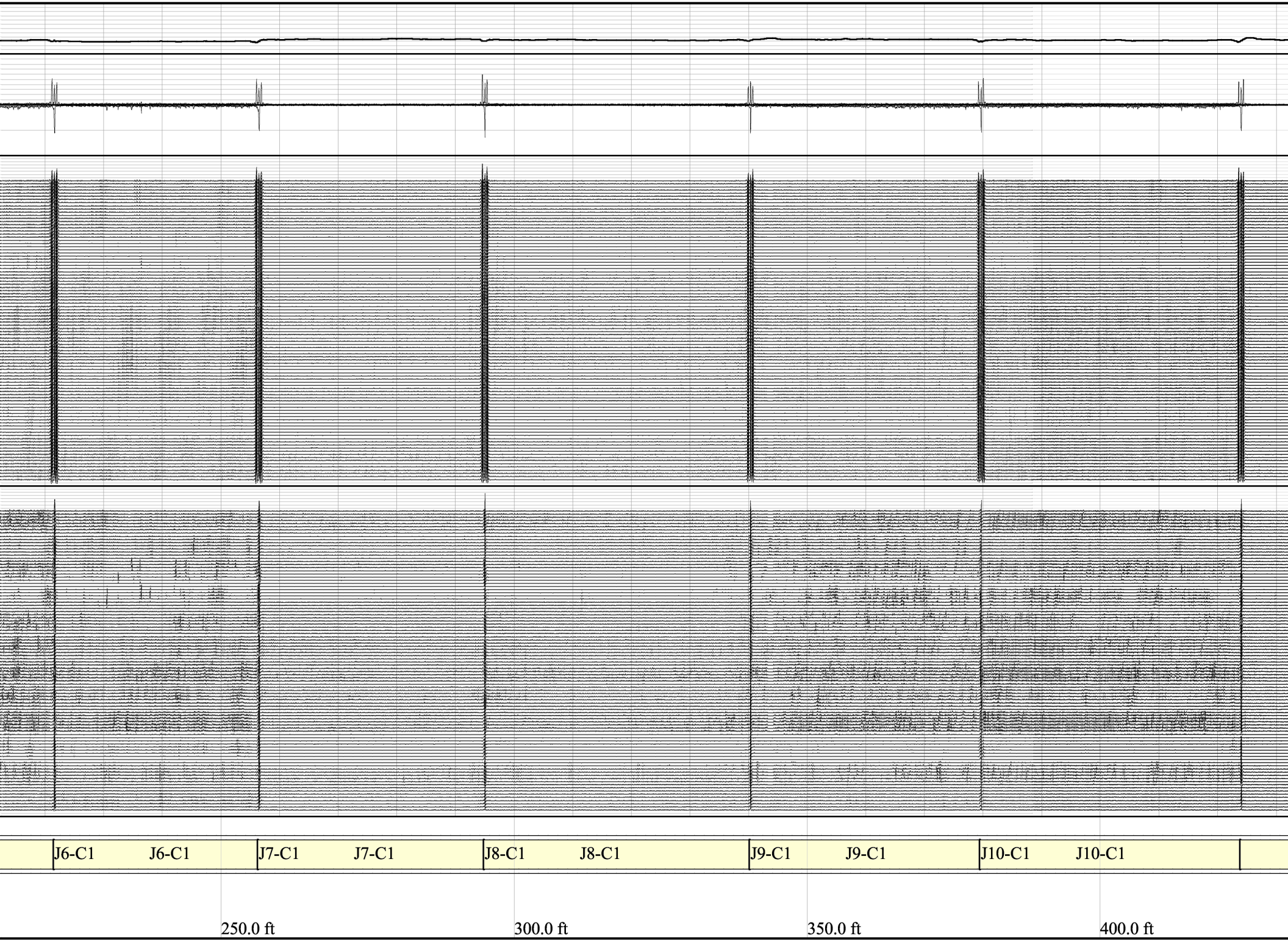
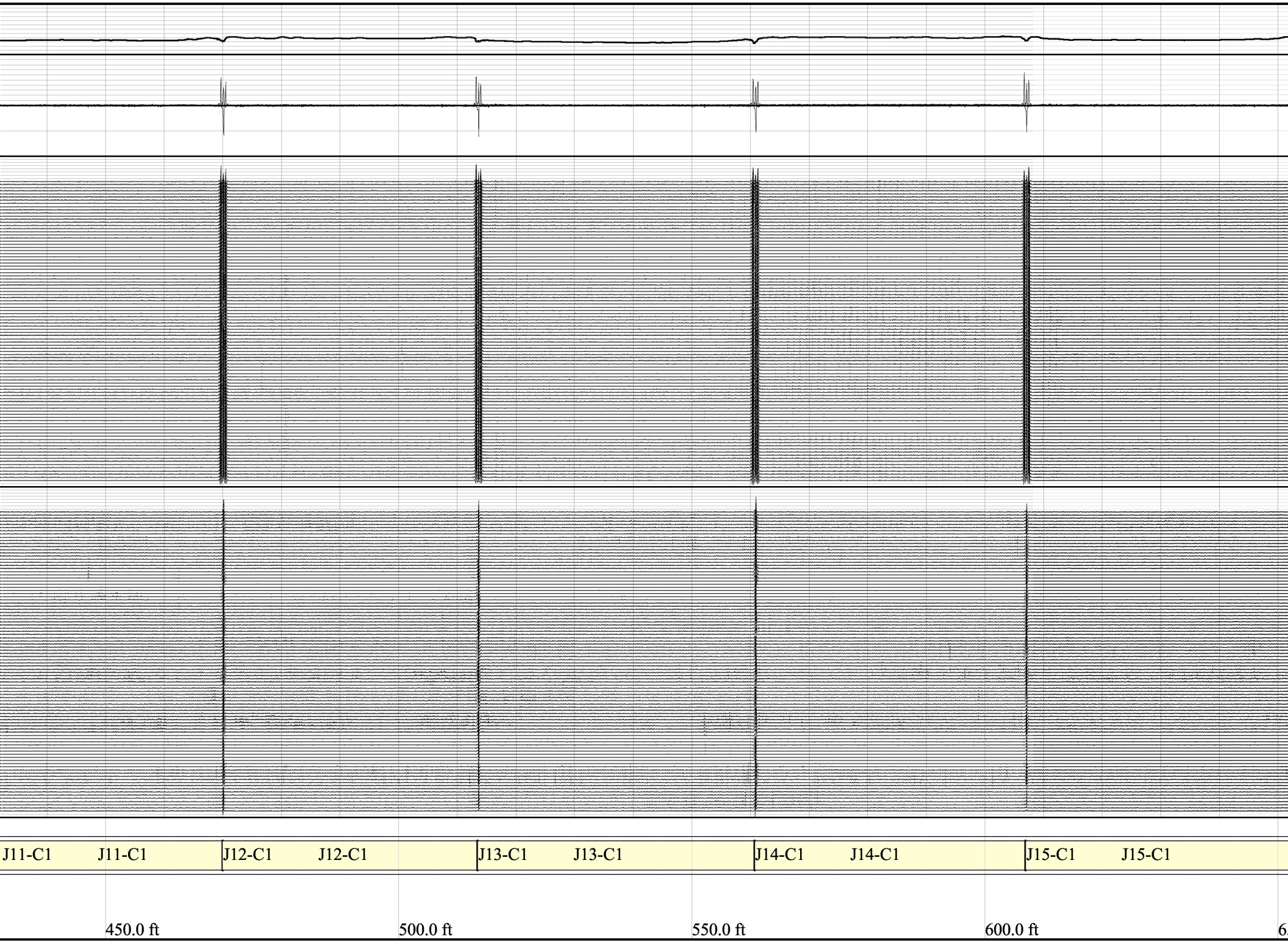
125	5272.74	5315.31	42.57	Class 1	-	-	-	-
126	5315.31	5358.09	42.78	Class 1	-	-	-	-
127	5358.09	5397.76	39.67	Class 1	-	-	-	-
128	5397.76	5439.20	41.44	Class 1	-	-	-	-
129	5439.20	5482.80	43.60	Class 1	-	-	-	-
130	5482.80	5520.42	37.62	Class 1	-	-	-	-
131	5520.42	5562.91	42.49	Class 1	-	-	-	-
132	5562.91	5604.89	41.98	Class 1	-	-	-	-
133	5604.89	5648.34	43.45	Class 1	-	-	-	-

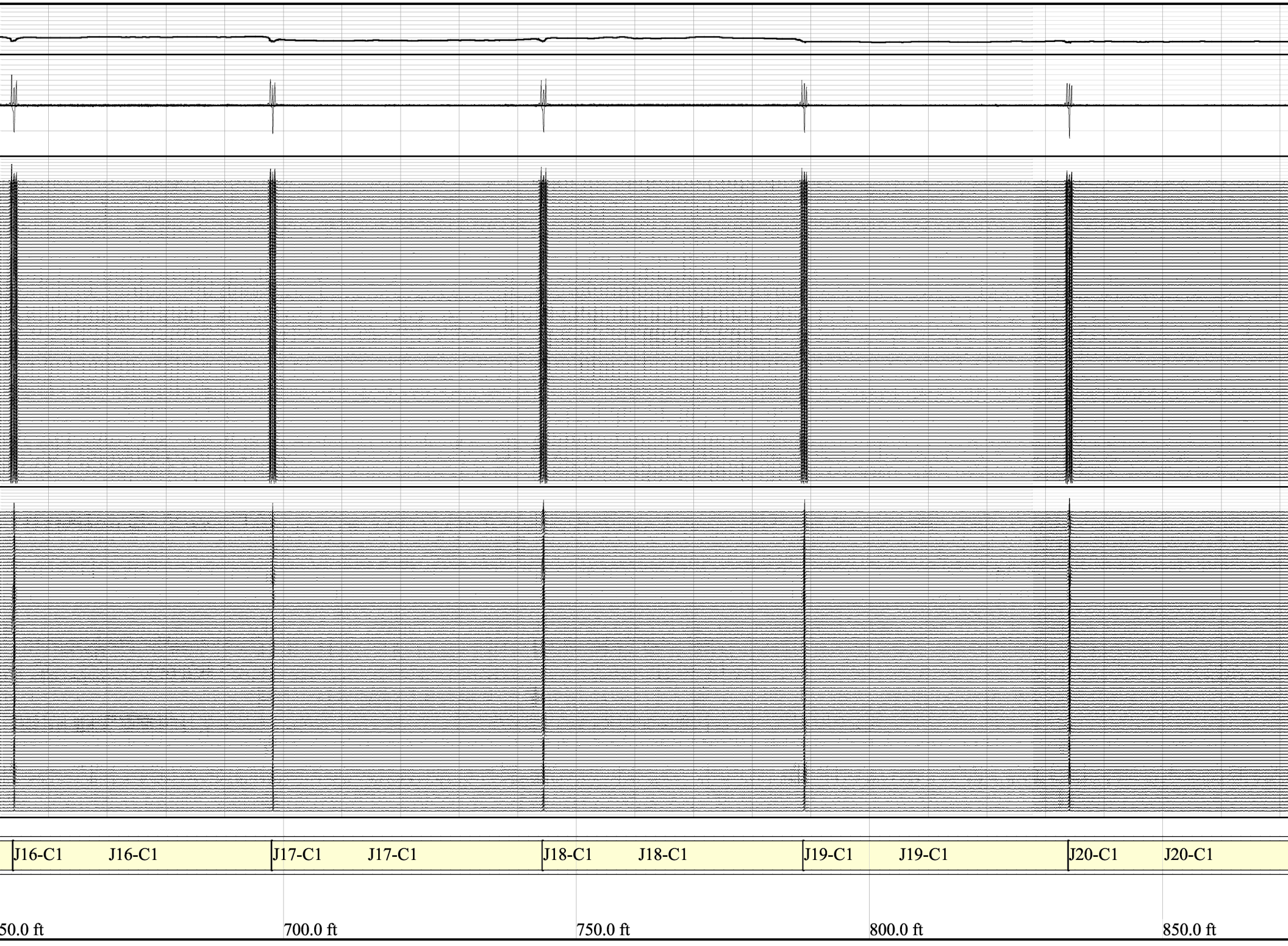
133	5604.89	5648.34	43.45	Class 1	-	-	-	-
134	5648.34	5688.70	40.36	Class 1	-	-	-	-
135	5688.70	5729.56	40.86	Class 1	-	-	-	-
136	5729.56	5771.21	41.65	Class 1	-	-	-	-
137	5771.21	5813.79	42.58	Class 1	-	-	-	-
138	5813.79	5857.15	43.36	Class 1	-	-	-	-
139	5857.15	5899.42	42.27	Class 1	-	-	-	-
140	5899.42	5942.22	42.80	Class 1	-	-	-	-
141	5942.22	5981.80	39.58	Class 1	-	-	-	-
142	5981.80	6020.63	38.83	Class 1	-	-	-	-
143	6020.63	6060.46	39.83	Class 1	-	-	-	-
144	6060.46	6100.33	39.87	Class 1	-	-	-	-
145	6100.33	6142.29	41.96	Class 1	-	-	-	-
146	6142.29	6186.04	43.75	Class 1	-	-	-	-
147	6186.04	6226.68	40.64	Class 1	-	-	-	-
148	6226.68	6269.73	43.05	Class 1	-	-	-	-
149	6269.73	6313.02	43.29	Class 1	-	-	-	-
150	6313.02	6353.00	39.98	Class 1	-	-	-	-
151	6353.00	6395.41	42.41	Class 1	-	-	-	-
152	6395.41	6435.79	40.38	Class 1	-	-	-	-
153	6435.79	6479.17	43.38	Class 1	-	-	-	-
154	6479.17	6519.36	40.19	Class 1	-	-	-	-
155	6519.36	6560.51	41.15	Class 1	-	-	-	-
156	6560.51	6603.40	42.89	Class 1	-	-	-	-
157	6603.40	6645.75	42.35	Class 1	-	-	-	-
158	6645.75	6689.51	43.76	Class 1	-	-	-	-
159	6689.51	6728.47	38.96	Class 1	-	-	-	-
160	6728.47	6771.27	42.80	Class 1	-	-	-	-
161	6771.27	6815.17	43.90	Class 1	17.0%	6801.94	ISO	ID
162	6815.17	6858.13	42.96	Class 1	-	-	-	-
163	6858.13	6900.18	42.05	Class 1	-	-	-	-
164	6900.18	6942.02	41.84	Class 1	-	-	-	-
165	6942.02	6983.87	41.85	Class 1	-	-	-	-
166	6983.87	7028.01	44.14	Class 1	-	-	-	-
167	7028.01	7070.36	42.35	Class 1	-	-	-	-
168	7070.36	7112.98	42.62	Class 1	-	-	-	-
169	7112.98	7156.23	43.25	Class 1	-	-	-	-
170	7156.23	7196.22	39.99	Class 1	-	-	-	-
171	7196.22	7237.20	40.98	Class 1	-	-	-	-
172	7237.20	7279.42	42.22	Class 1	-	-	-	-
173	7279.42	7322.20	42.78	Class 1	-	-	-	-
174	7322.20	7363.09	40.89	Class 1	-	-	-	-
175	7363.09	7405.73	42.64	Class 1	-	-	-	-
176	7405.73	7445.41	39.68	Class 1	-	-	-	-
177	7445.41	7488.28	42.87	Class 1	-	-	-	-
178	7488.28	7529.44	41.16	Class 1	-	-	-	-
179	7529.44	7574.60	45.16	Class 1	-	-	-	-
180	7574.60	7612.38	37.78	Class 1	-	-	-	-
181	7612.38	7645.84	33.46	Class 1	-	-	-	-
182	7645.84	7682.28	36.44	Class 1	-	-	-	-
183	7682.28	7686.20	3.92	Class 1	-	-	-	-

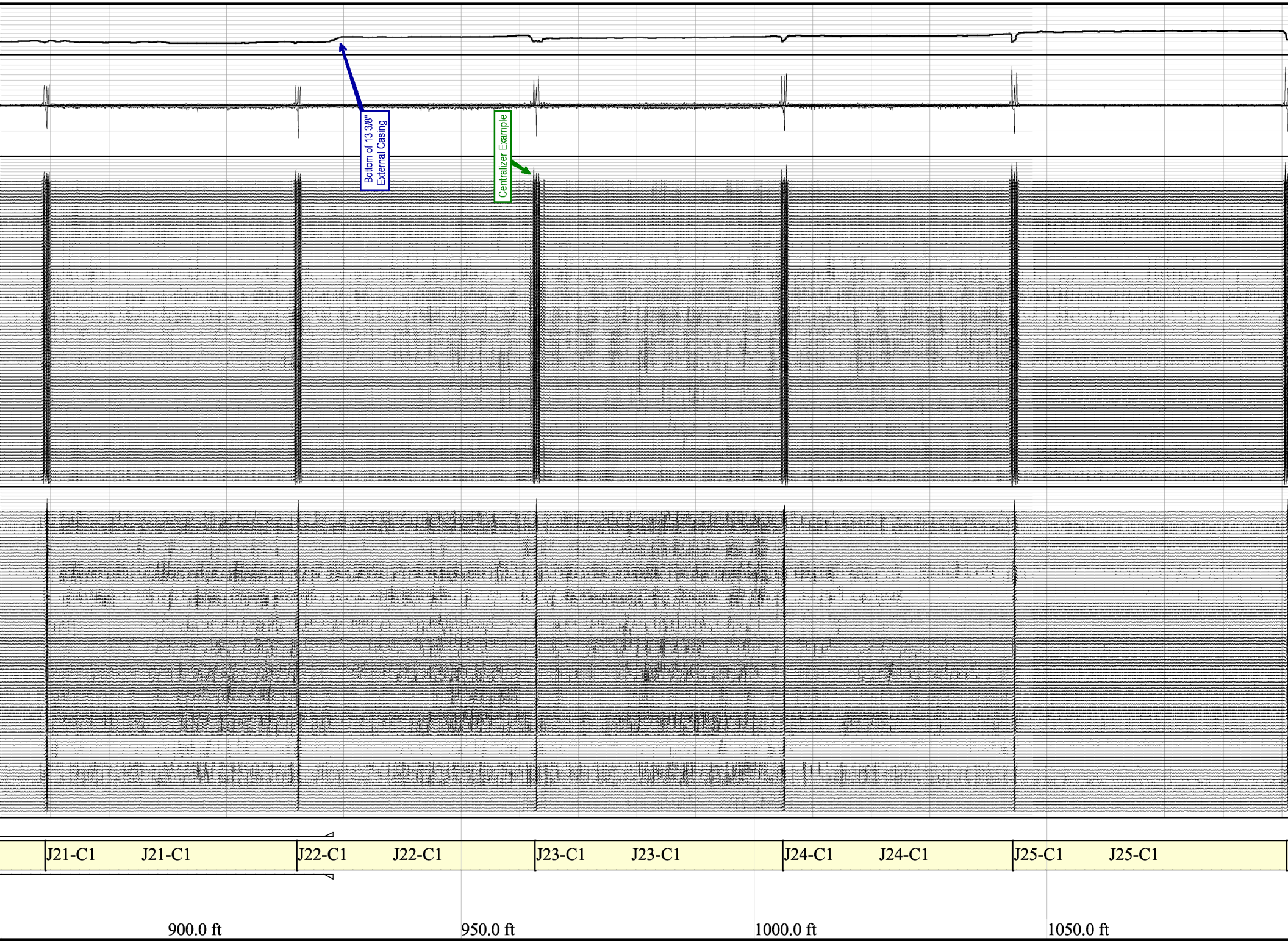
Main Log
5" / 100'

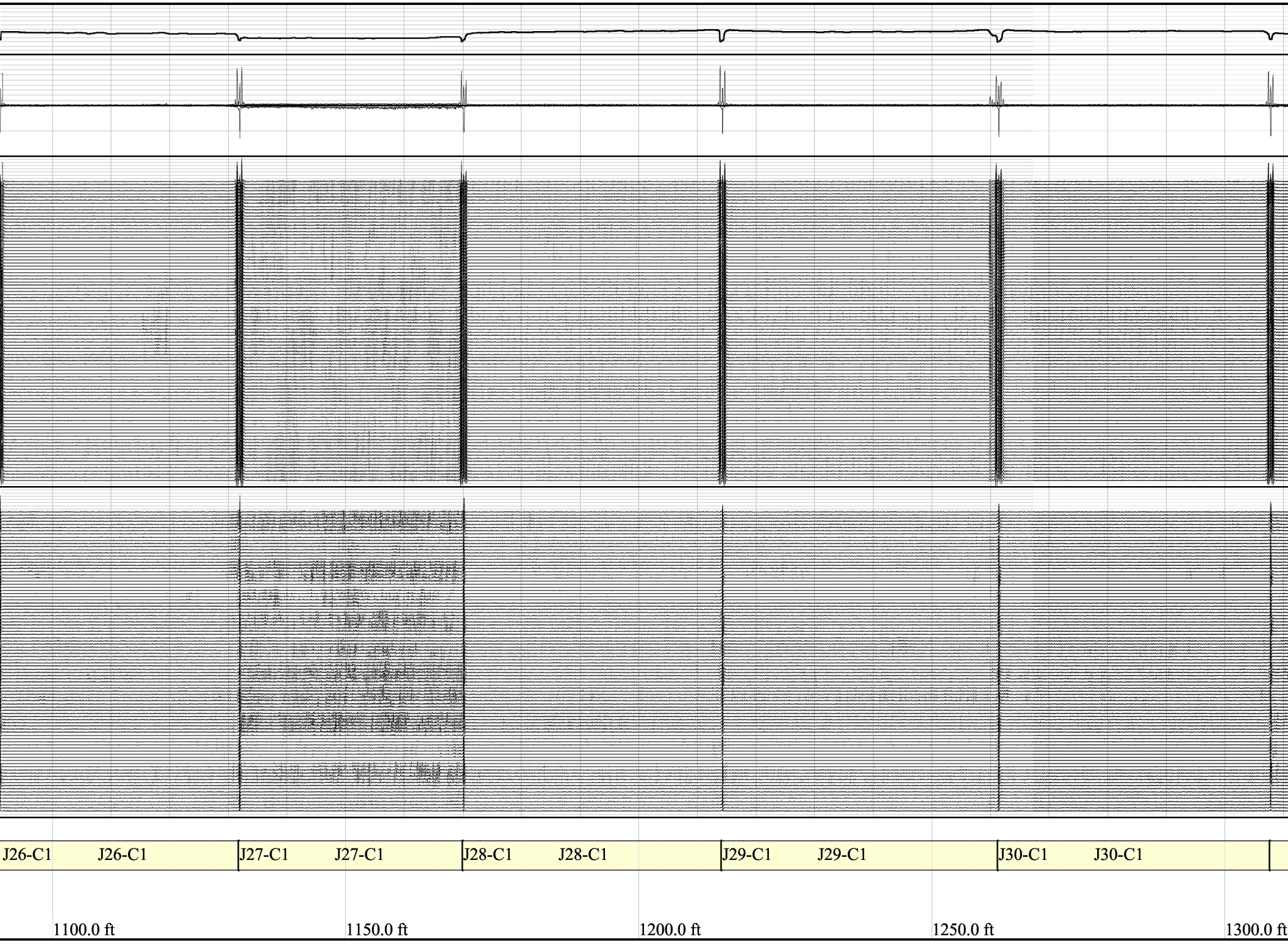

Class 1
0 - 20%
Class 2
20 - 40%
Class 3
40 - 60%
Class 4
60 - 100%
DIS
10.0 /div
FL
Axial
10.0 /div
MAX
DIS
150
MAX
FL
Axial
0 0
Axial
BKG
100
10.0 /div
Flange
External Casing
Head Response
J2-C1
J2-C1
J3-C1
J3-C1
J4-C1
J4-C1
J5-C1
J5-C1
50.0 ft
100.0 ft
150.0 ft
200.0 ft

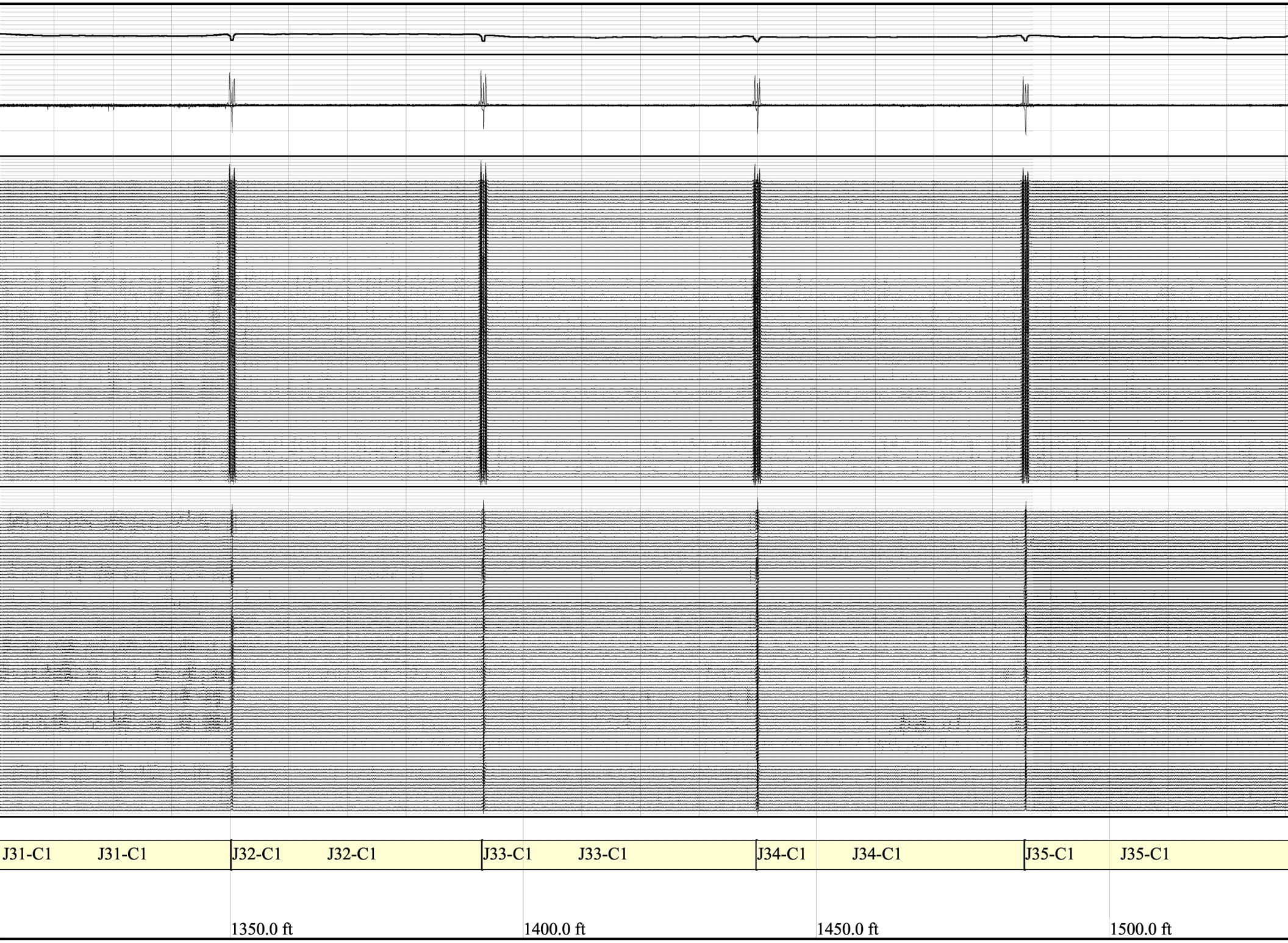

J6-C1
J6-C1
J7-C1
J7-C1
J8-C1
J8-C1
J9-C1
J9-C1
J10-C1
J10-C1
250.0 ft
300.0 ft
350.0 ft
400.0 ft

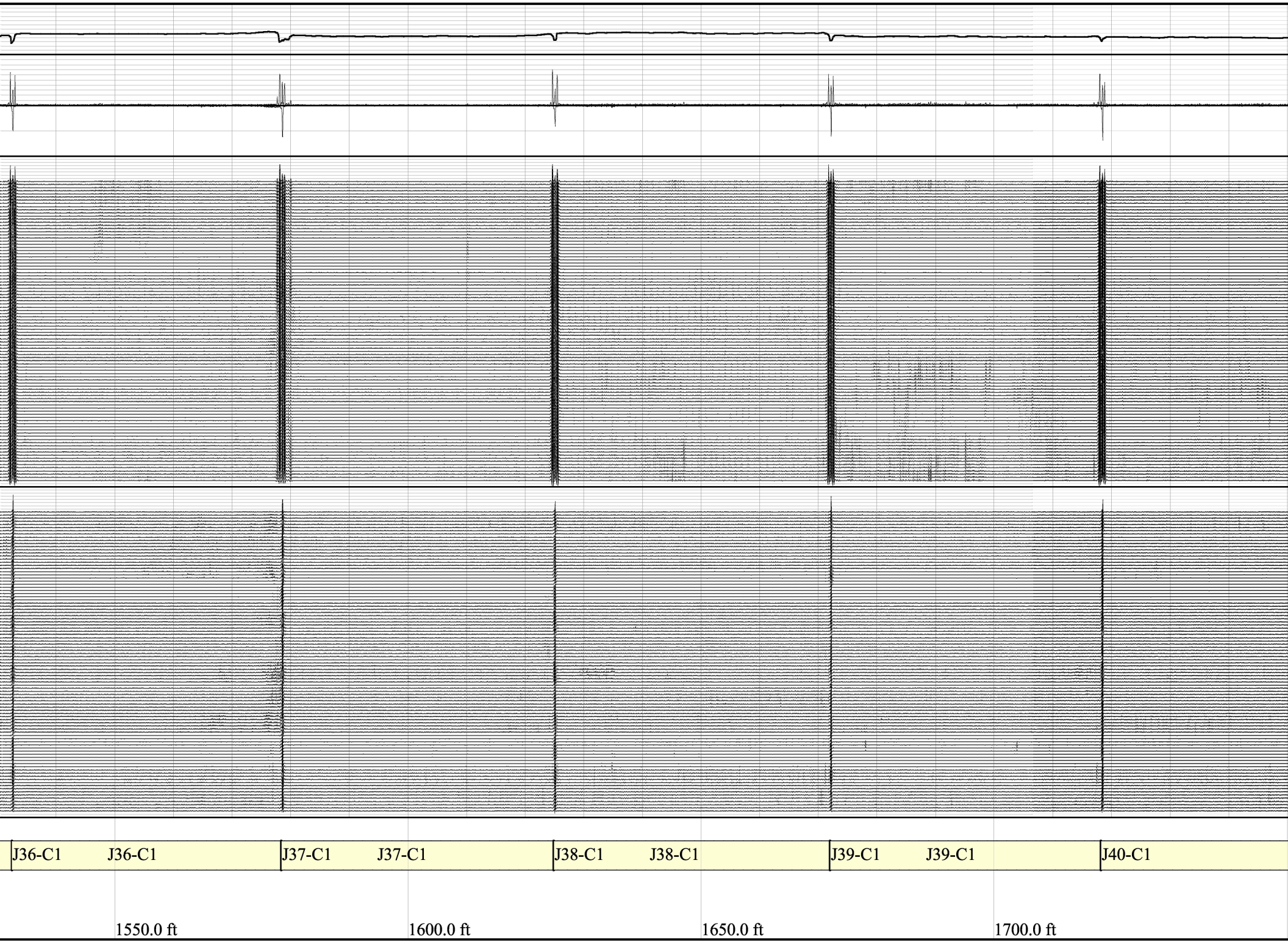

J11-C1
J11-C1
J12-C1
J12-C1
J13-C1
J13-C1
J14-C1
J14-C1
J15-C1
J15-C1
450.0 ft
500.0 ft
550.0 ft
600.0 ft

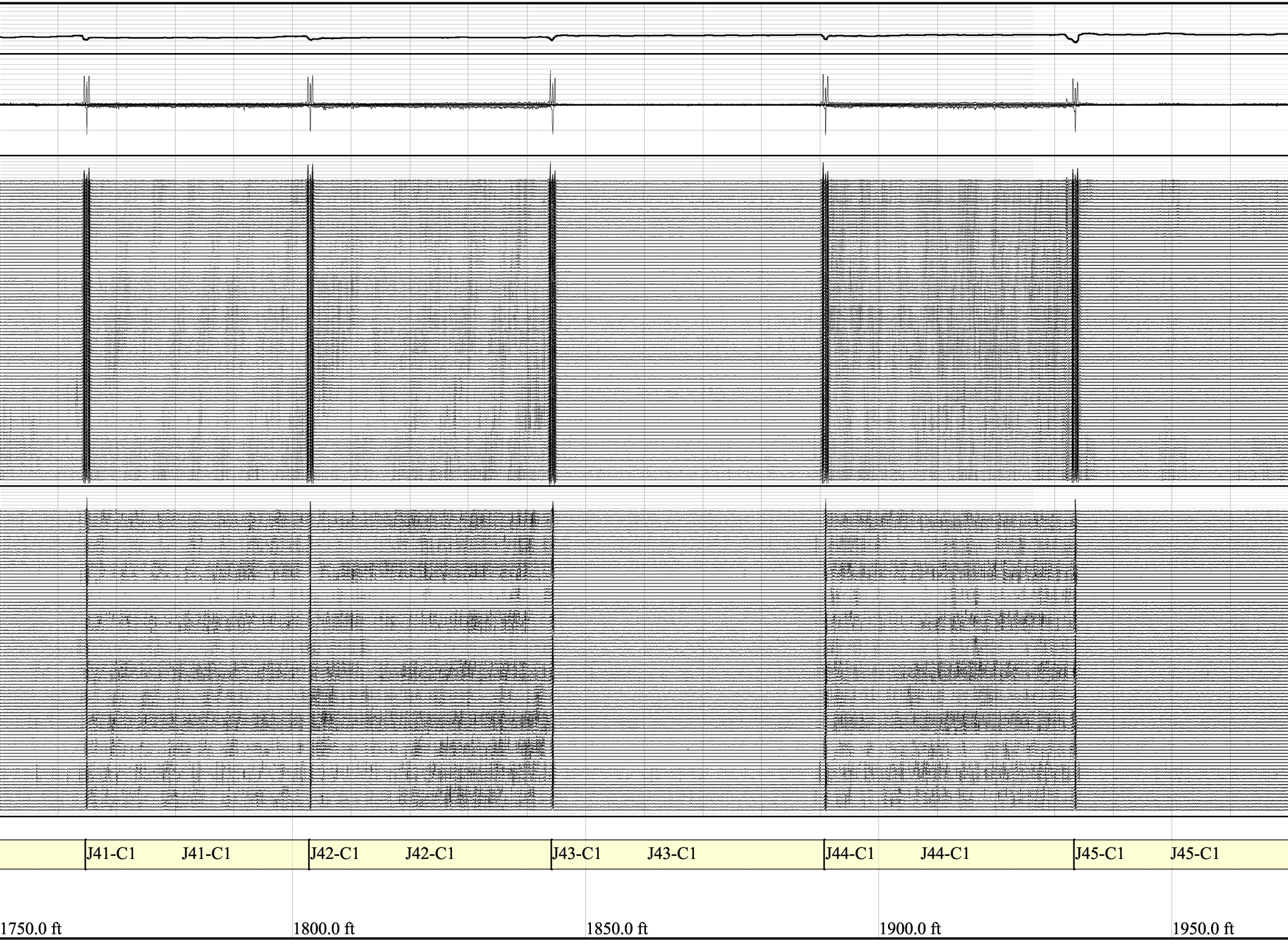

J16-C1
J16-C1
J17-C1
J17-C1
J18-C1
J18-C1
J19-C1
J19-C1
J20-C1
J20-C1
50.0 ft
700.0 ft
750.0 ft
800.0 ft
850.0 ft

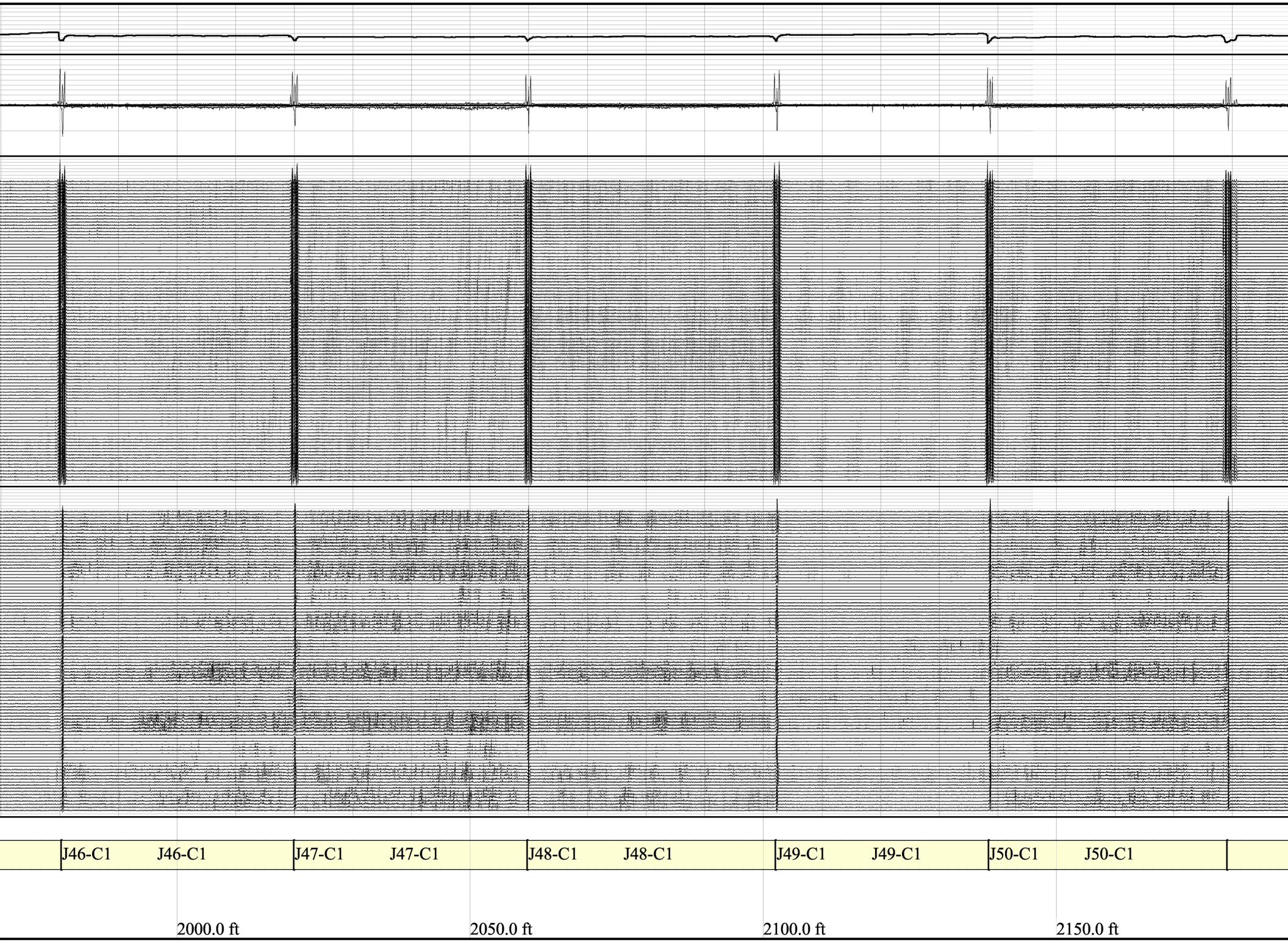

Bottom of 13 3/8" External Casing
Centralizer Example
J21-C1
J21-C1
J22-C1
J22-C1
J23-C1
J23-C1
J24-C1
J24-C1
J25-C1
J25-C1
900.0 ft
950.0 ft
1000.0 ft
1050.0 ft


J26-C1
J26-C1
J27-C1
J27-C1
J28-C1
J28-C1
J29-C1
J29-C1
J30-C1
J30-C1
1100.0 ft
1150.0 ft
1200.0 ft
1250.0 ft
1300.0 ft


J31-C1
J31-C1
J32-C1
J32-C1
J33-C1
J33-C1
J34-C1
J34-C1
J35-C1
J35-C1
1350.0 ft
1400.0 ft
1450.0 ft
1500.0 ft


J36-C1
J36-C1
J37-C1
J37-C1
J38-C1
J38-C1
J39-C1
J39-C1
J40-C1
1550.0 ft
1600.0 ft
1650.0 ft
1700.0 ft


J41-C1
J41-C1
J42-C1
J42-C1
J43-C1
J43-C1
J44-C1
J44-C1
J45-C1
J45-C1
1750.0 ft
1800.0 ft
1850.0 ft
1900.0 ft
1950.0 ft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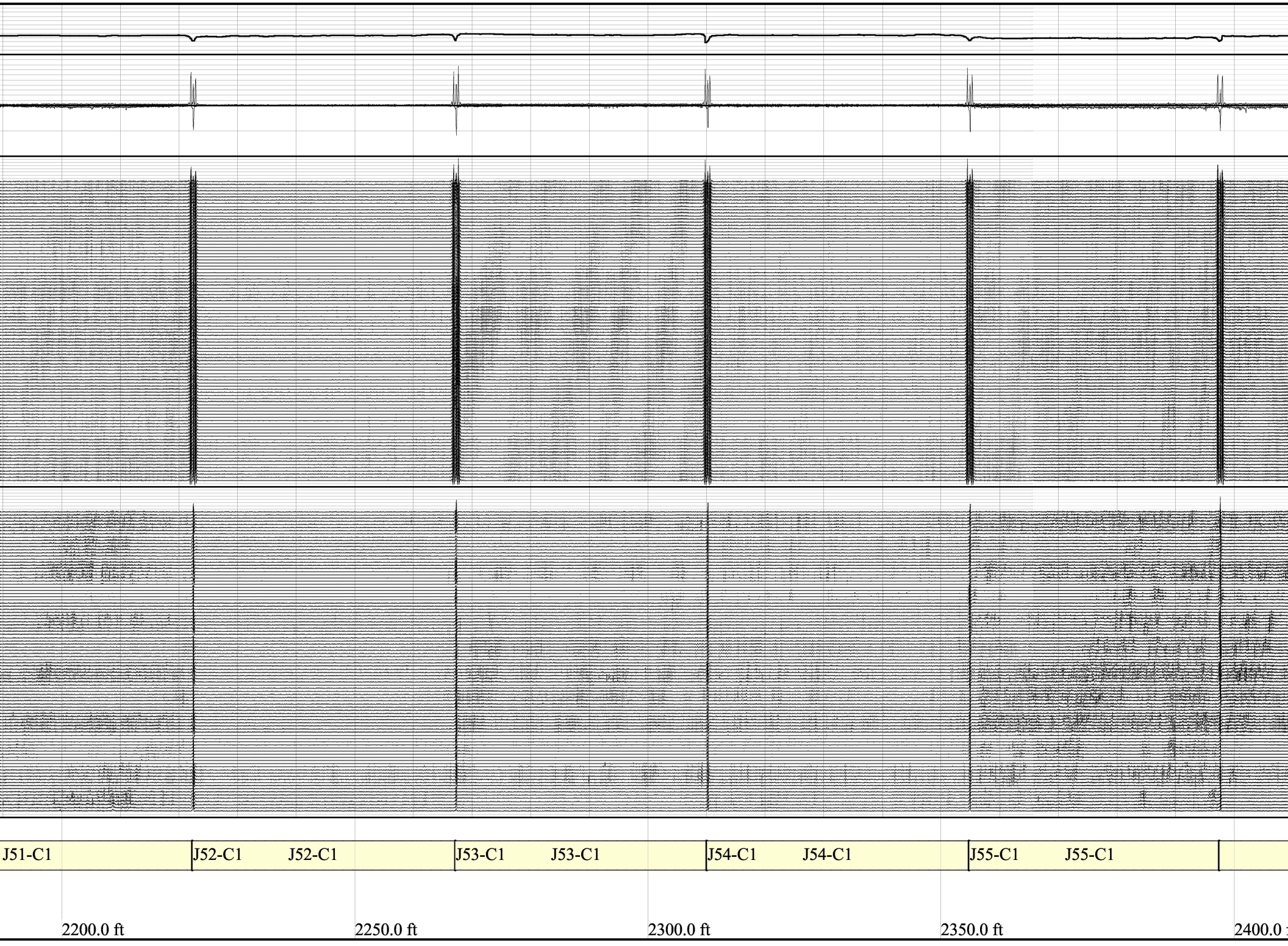
J46-C1
J47-C1
J47-C1
J48-C1
J48-C1
J49-C1
J49-C1
J50-C1
J50-C1
2000.0 ft
2050.0 ft
2100.0 ft
2150.0 ft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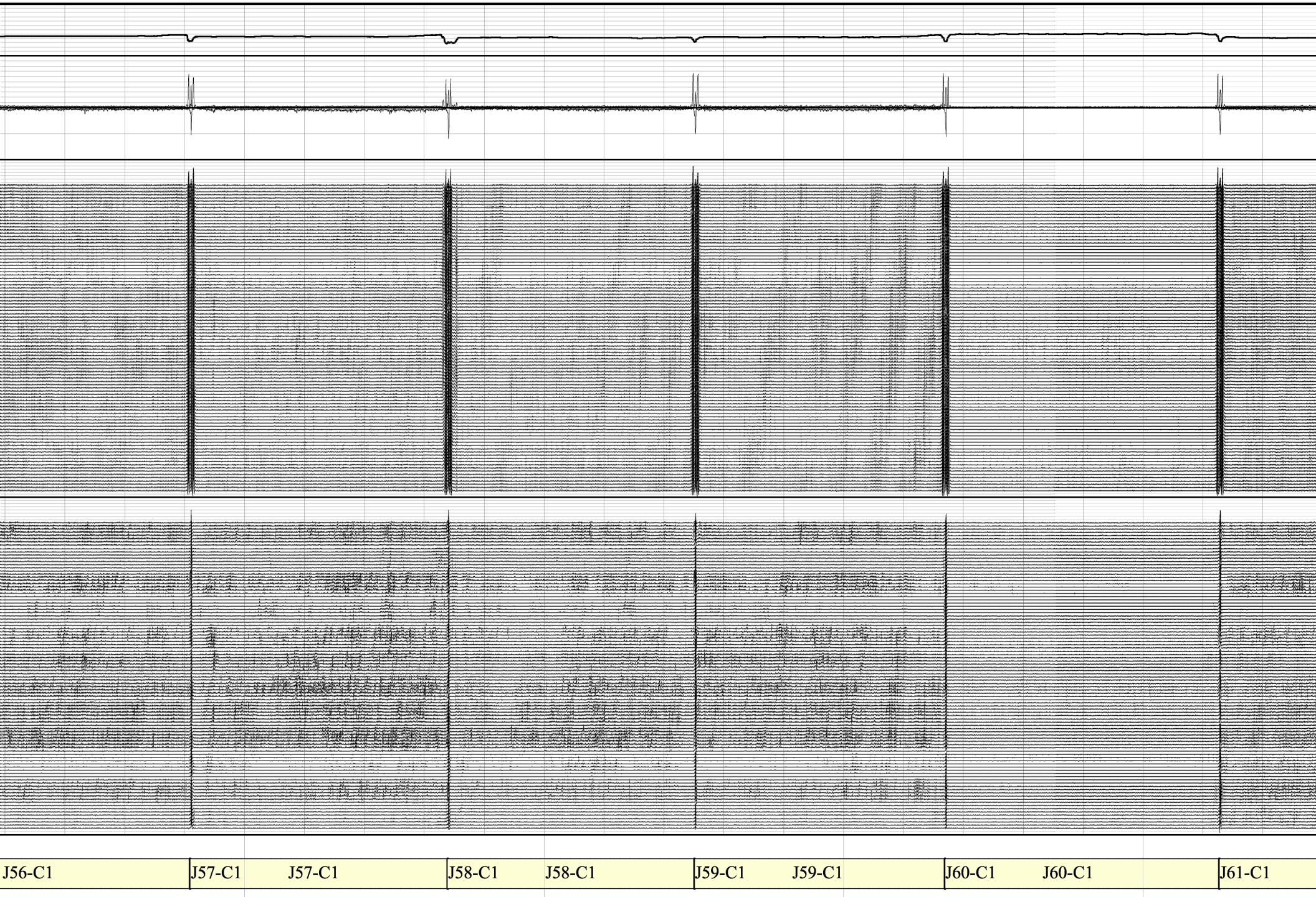
J52-C1
J52-C1
J53-C1
J53-C1
J54-C1
J54-C1
J55-C1
J55-C1
2200.0 ft
2250.0 ft
2300.0 ft
2350.0 ft
2400.0


J56-C1
J57-C1
J57-C1
J58-C1
J58-C1
J59-C1
J59-C1
J60-C1
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J61-C1
ft
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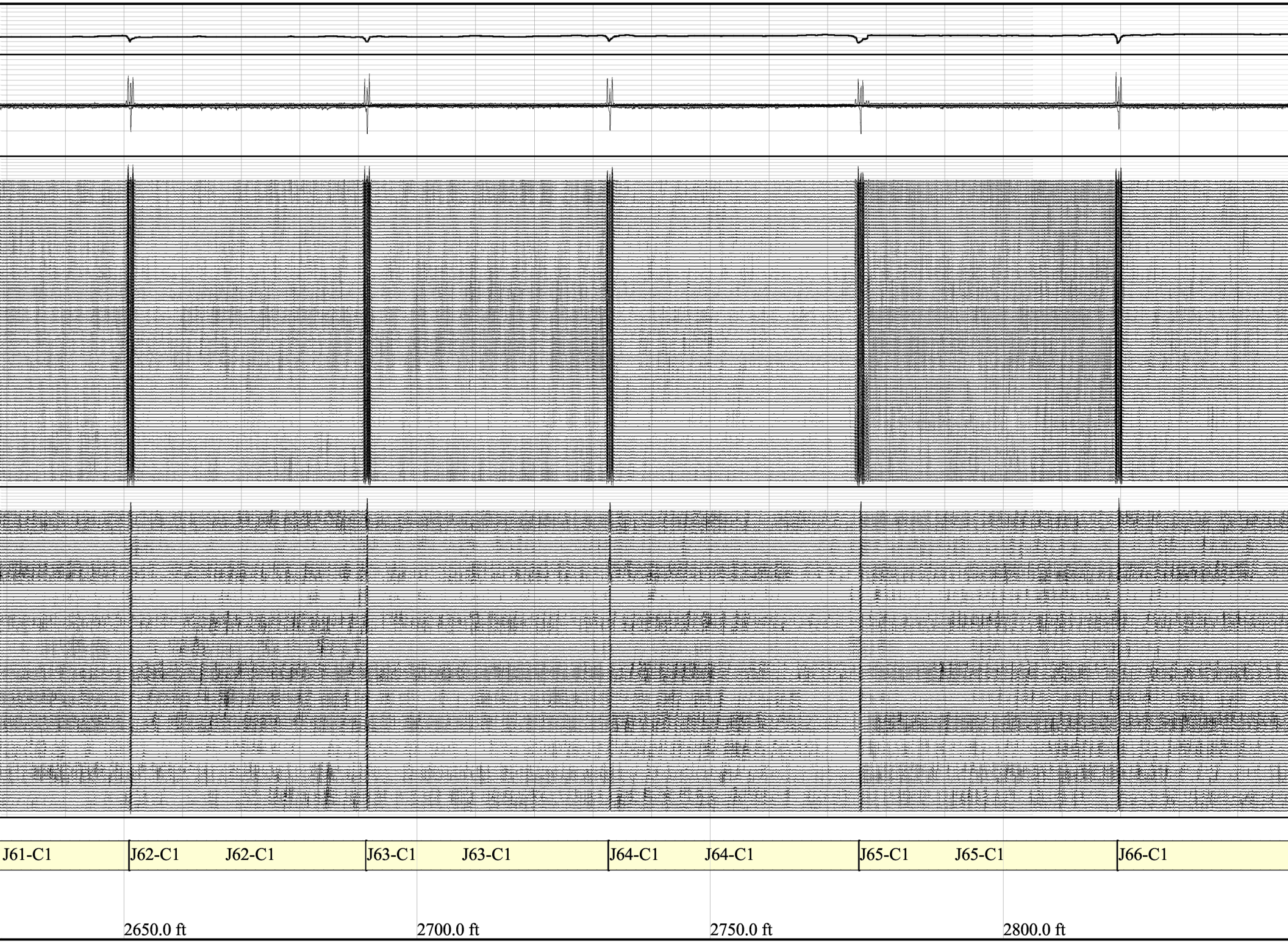
2500.0 ft
2550.0 ft
2600.0 ft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J62-C1
J62-C1
J63-C1
J63-C1
J64-C1
J64-C1
J65-C1
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J66-C1
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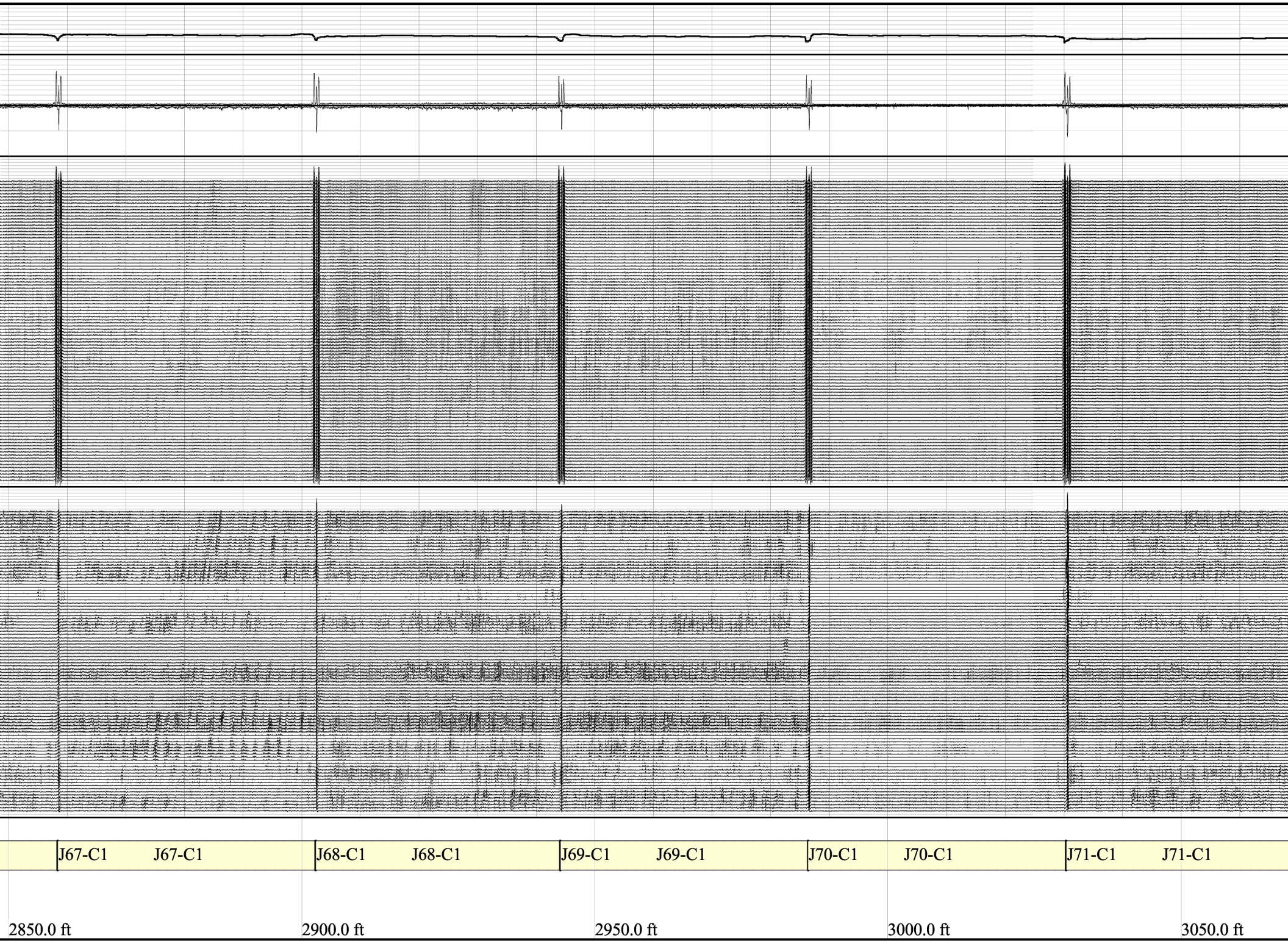
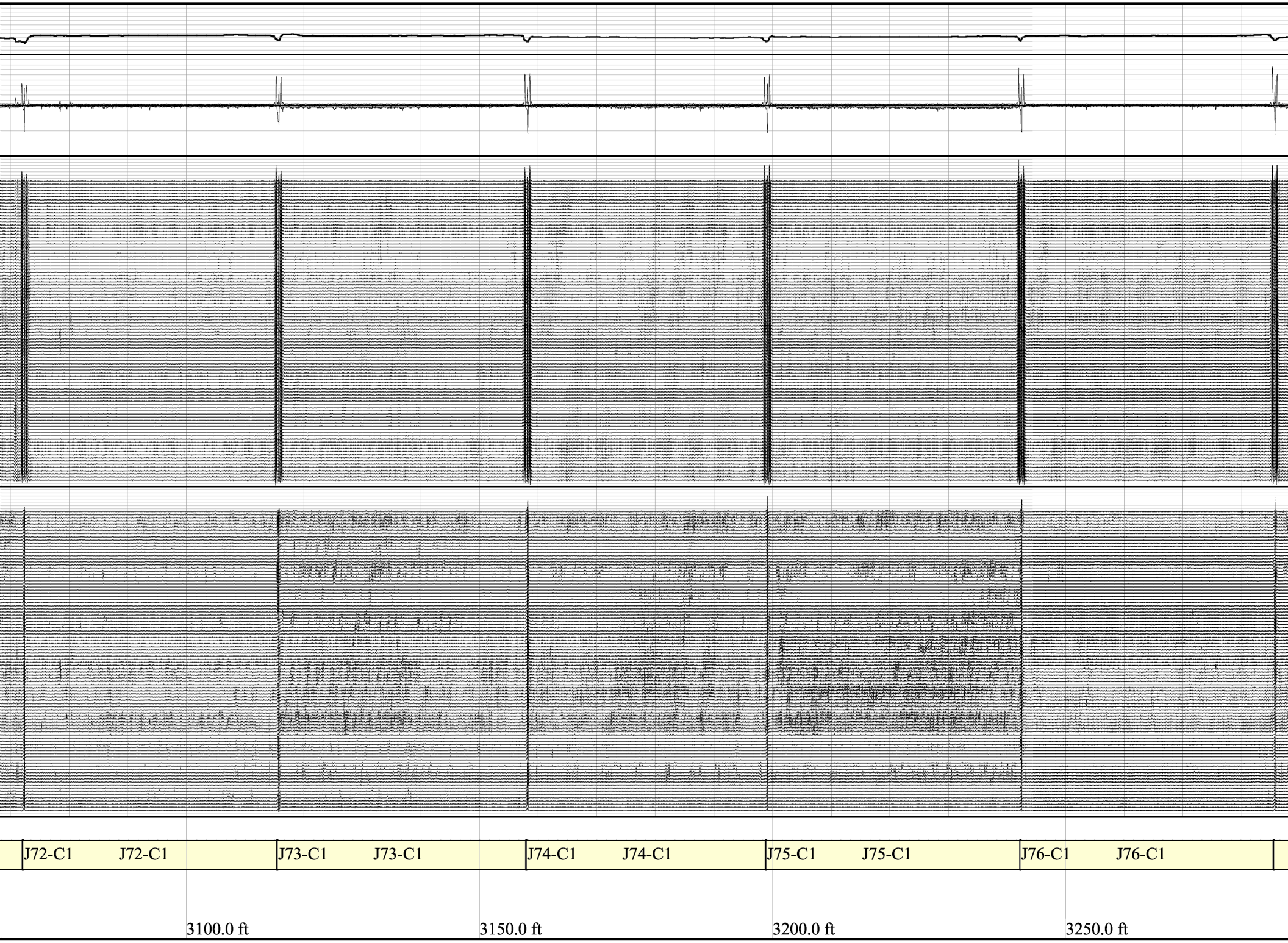
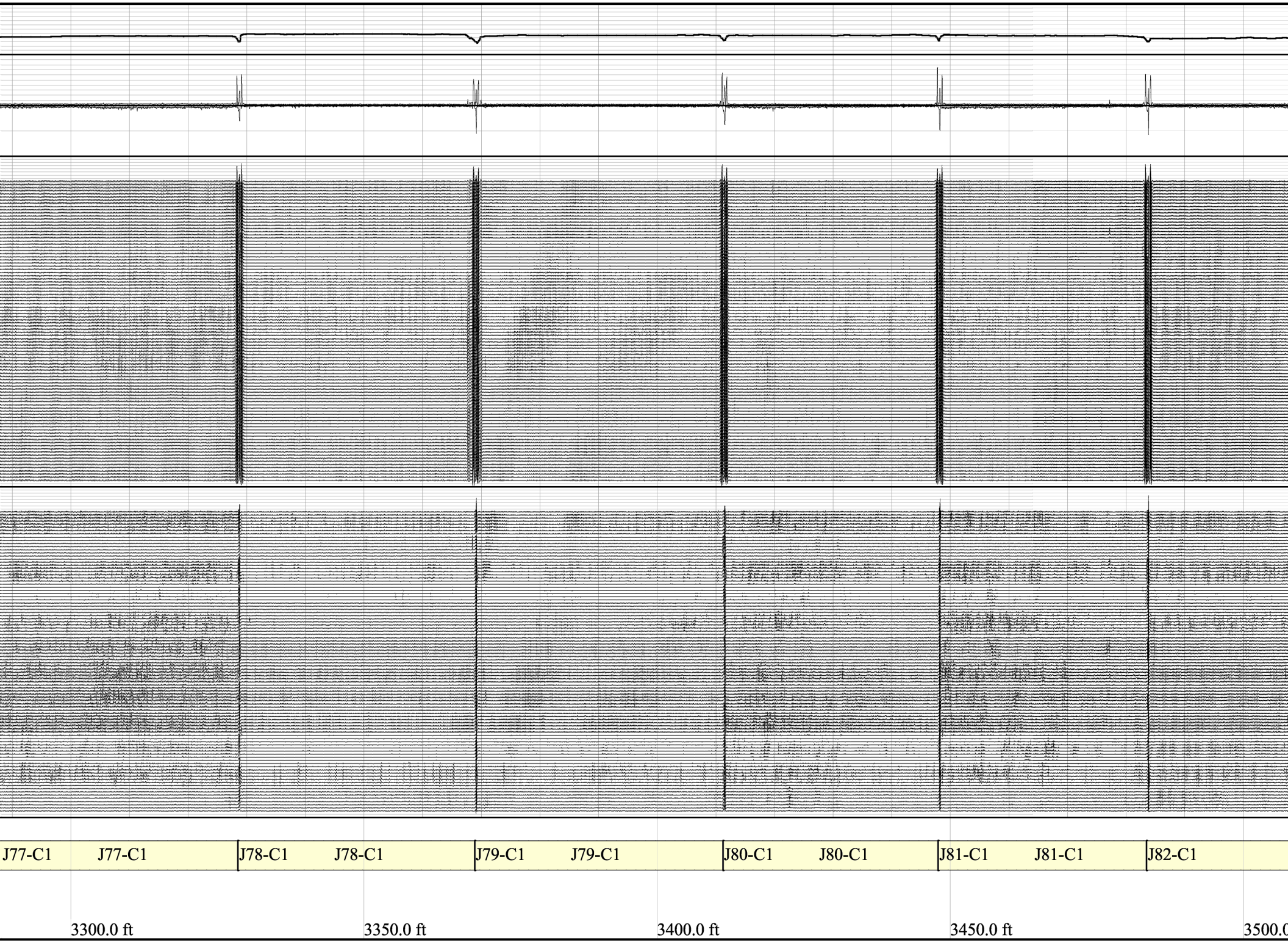
2700.0 ft
2750.0 ft
2800.0 ft


J67-C1
J67-C1
J68-C1
J68-C1
J69-C1
J69-C1
J70-C1
J70-C1
J71-C1
J71-C1
2850.0 ft
2900.0 ft
2950.0 ft
3000.0 ft
3050.0 ft


J72-C1
J72-C1
J73-C1
J73-C1
J74-C1
J74-C1
J75-C1
J75-C1
J76-C1
J76-C1
3100.0 ft
3150.0 ft
3200.0 ft
3250.0 ft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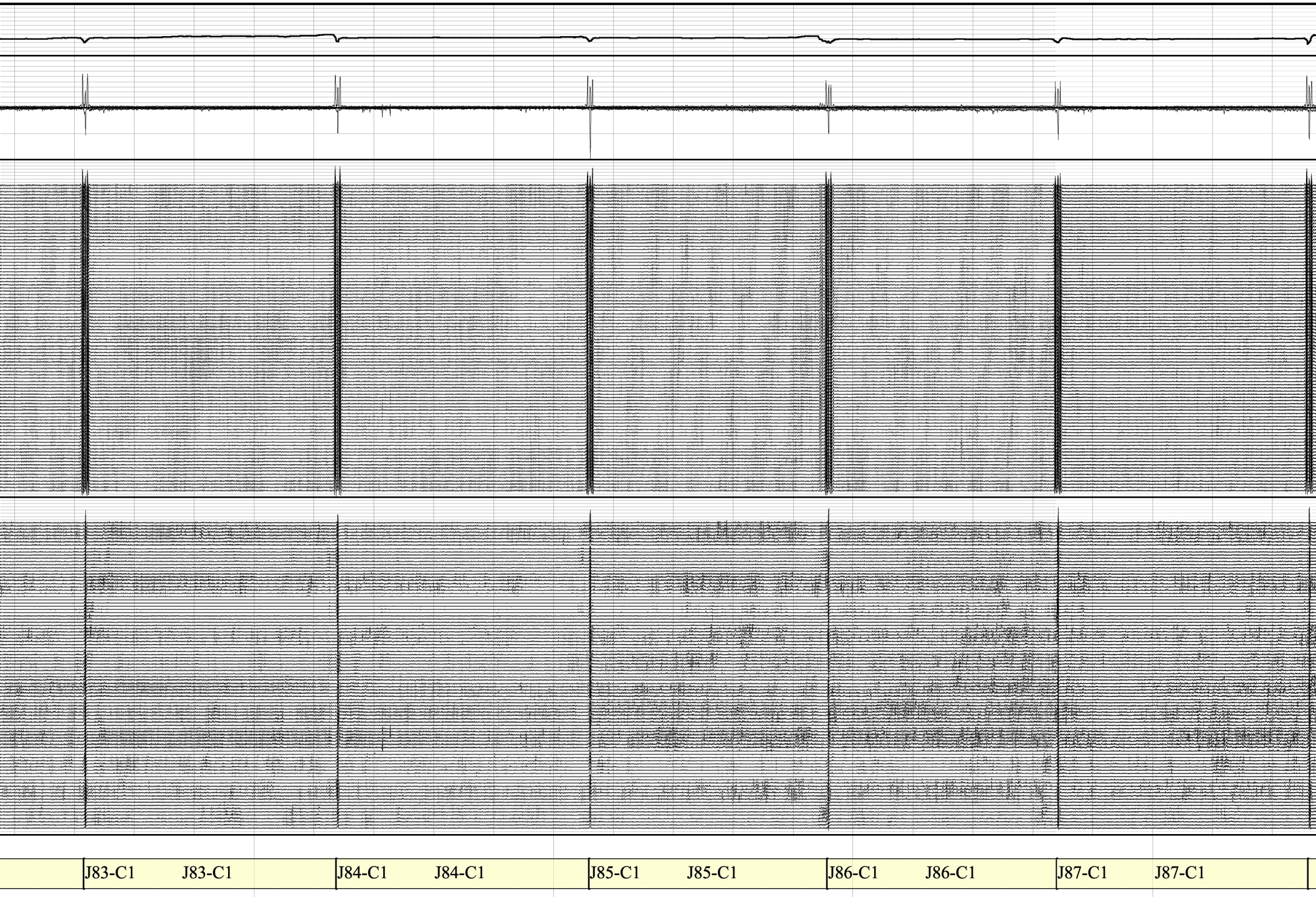
J77-C1
J78-C1
J78-C1
J79-C1
J79-C1
J80-C1
J80-C1
J81-C1
J81-C1
J82-C1
3300.0 ft
3350.0 ft
3400.0 ft
3450.0 ft
3500.0


J83-C1
J83-C1
J84-C1
J84-C1
J85-C1
J85-C1
J86-C1
J86-C1
J87-C1
J87-C1
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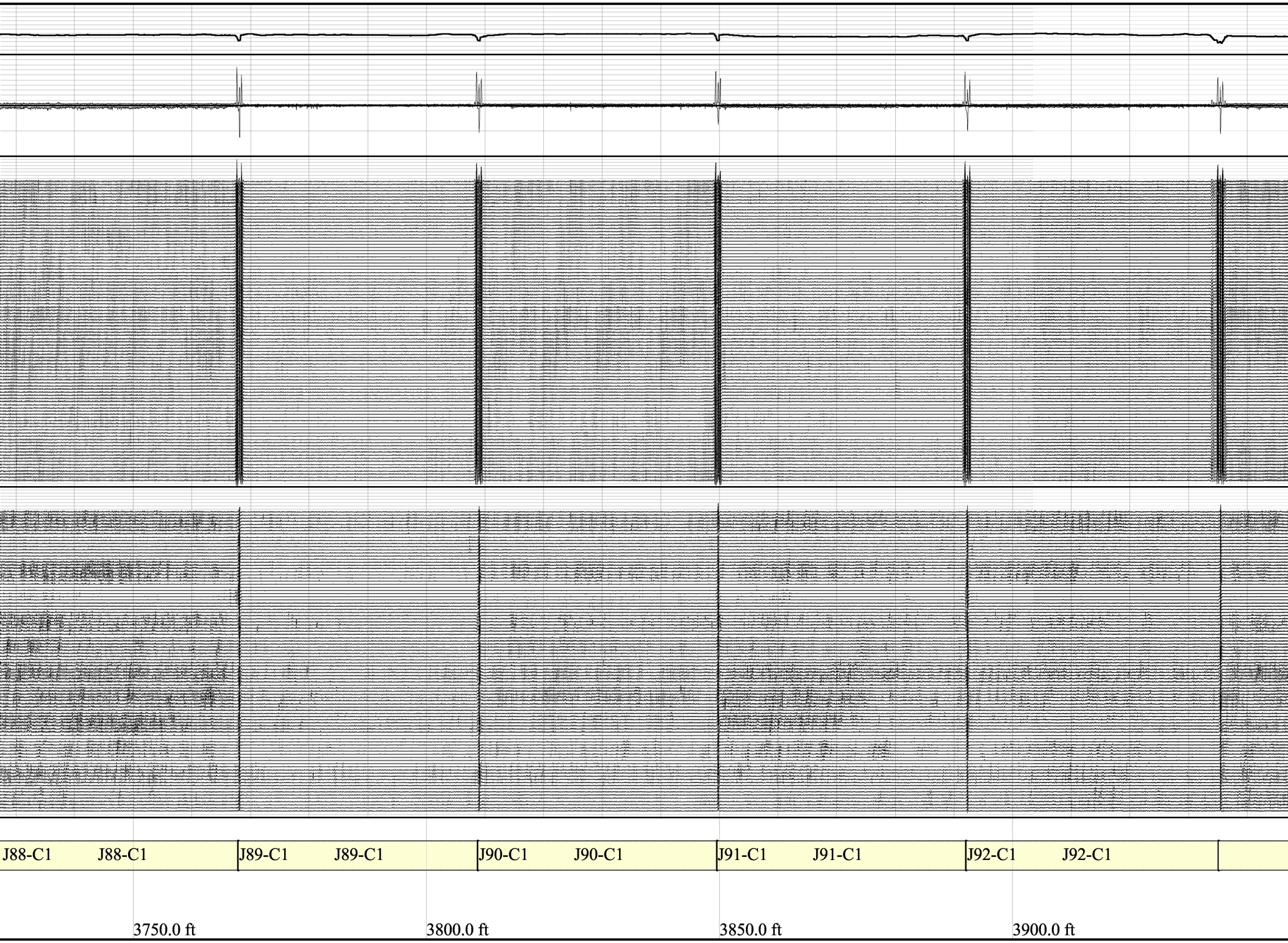
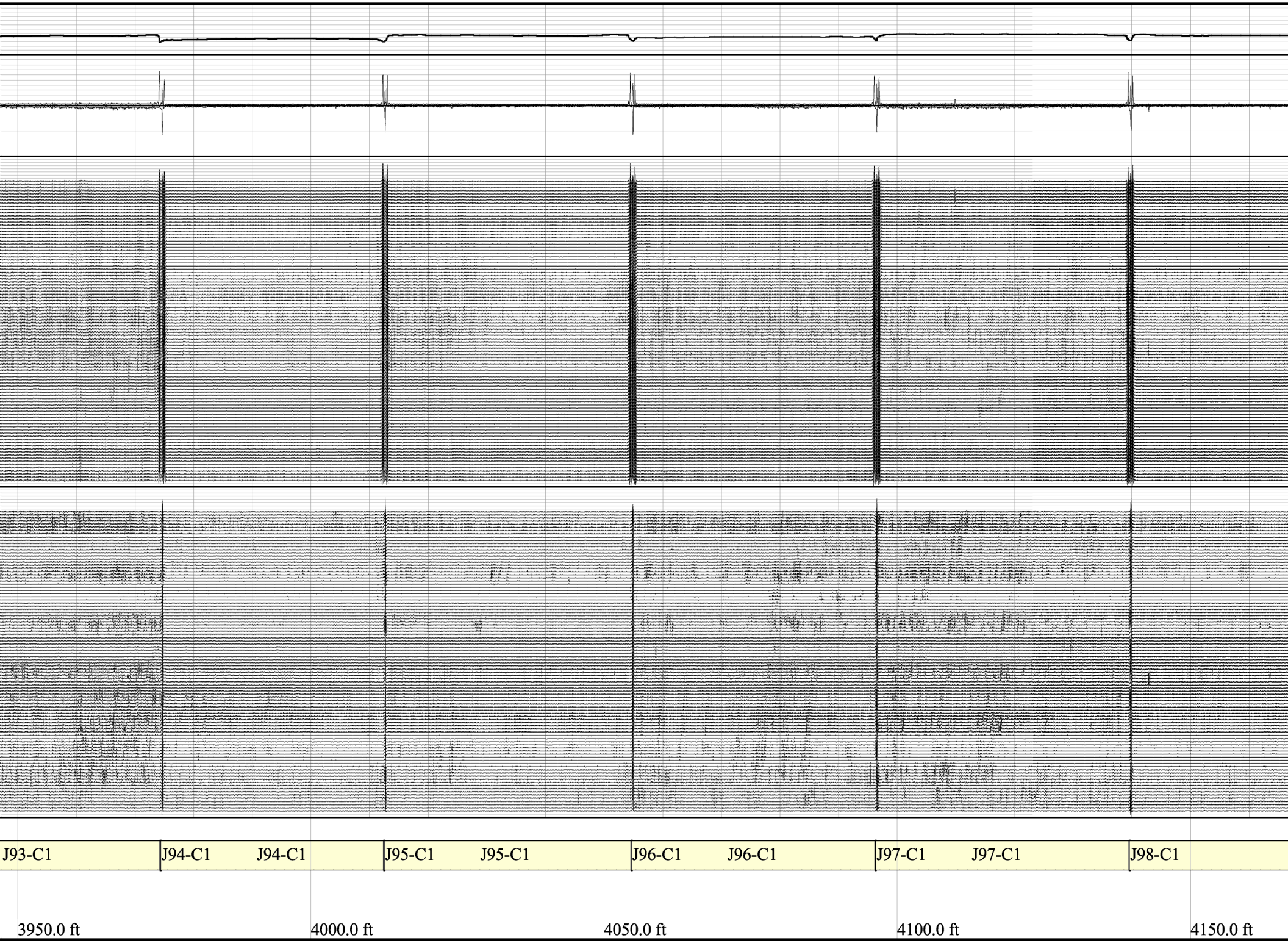
3650.0 ft
3700.0 ft


J88-C1
J88-C1
J89-C1
J89-C1
J90-C1
J90-C1
J91-C1
J91-C1
J92-C1
J92-C1
3750.0 ft
3800.0 ft
3850.0 ft
3900.0 ft


J93-C1
J94-C1
J94-C1
J95-C1
J95-C1
J96-C1
J96-C1
J97-C1
J97-C1
J98-C1
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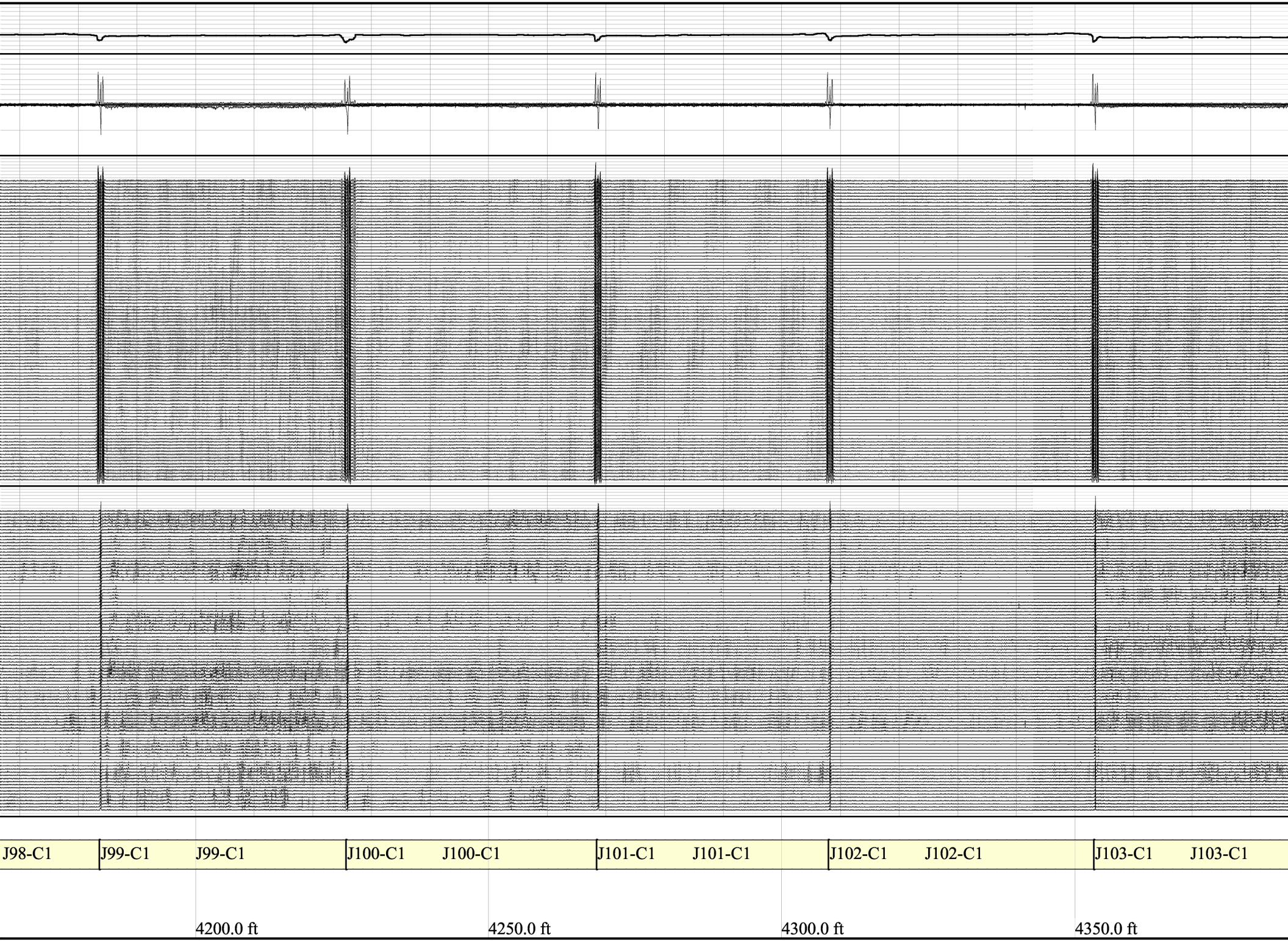
4000.0 ft
4050.0 ft
4100.0 ft
4150.0 ft


J98-C1
J99-C1
J99-C1
J100-C1
J100-C1
J101-C1
J101-C1
J102-C1
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J103-C1
J103-C1
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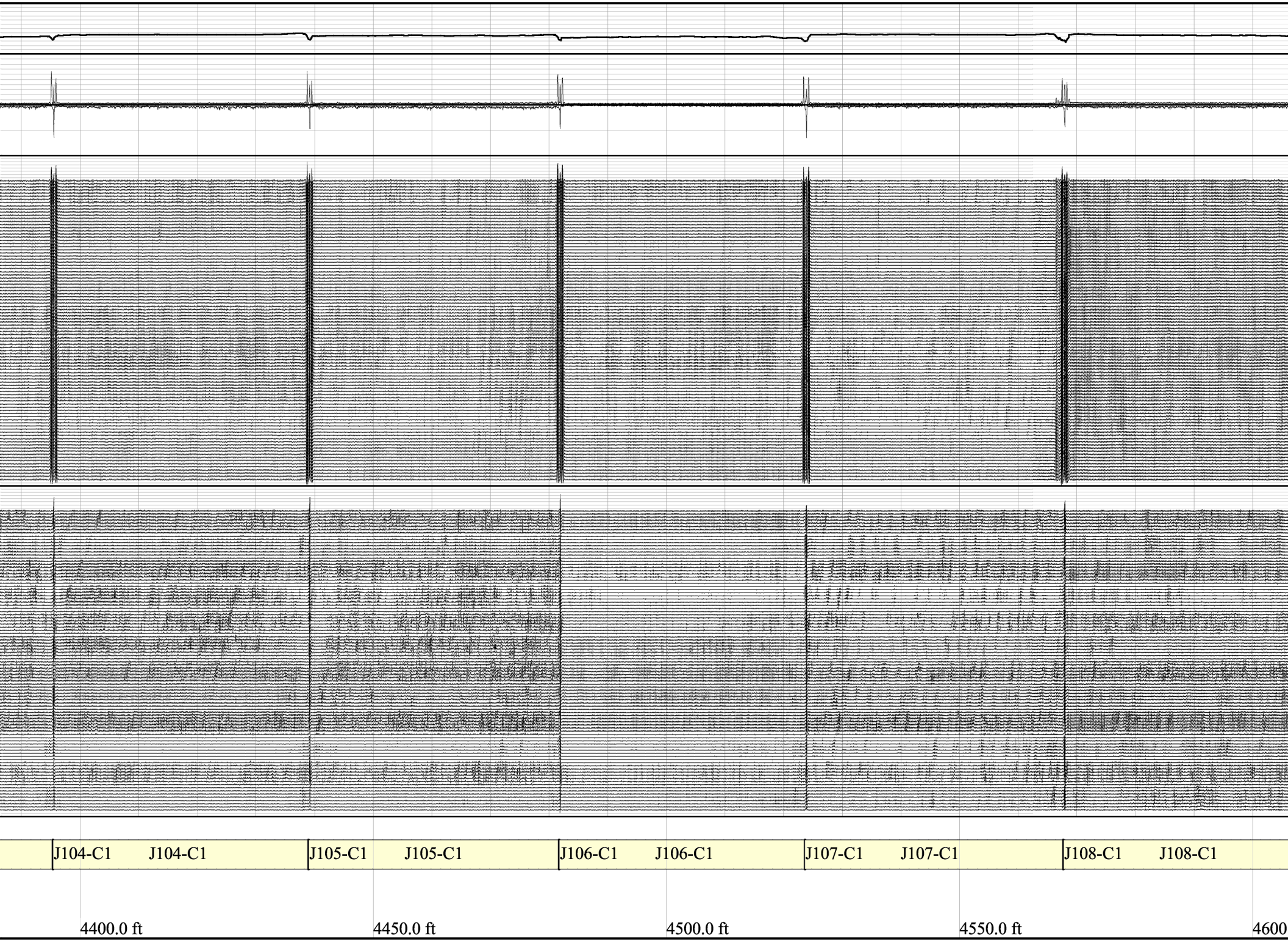
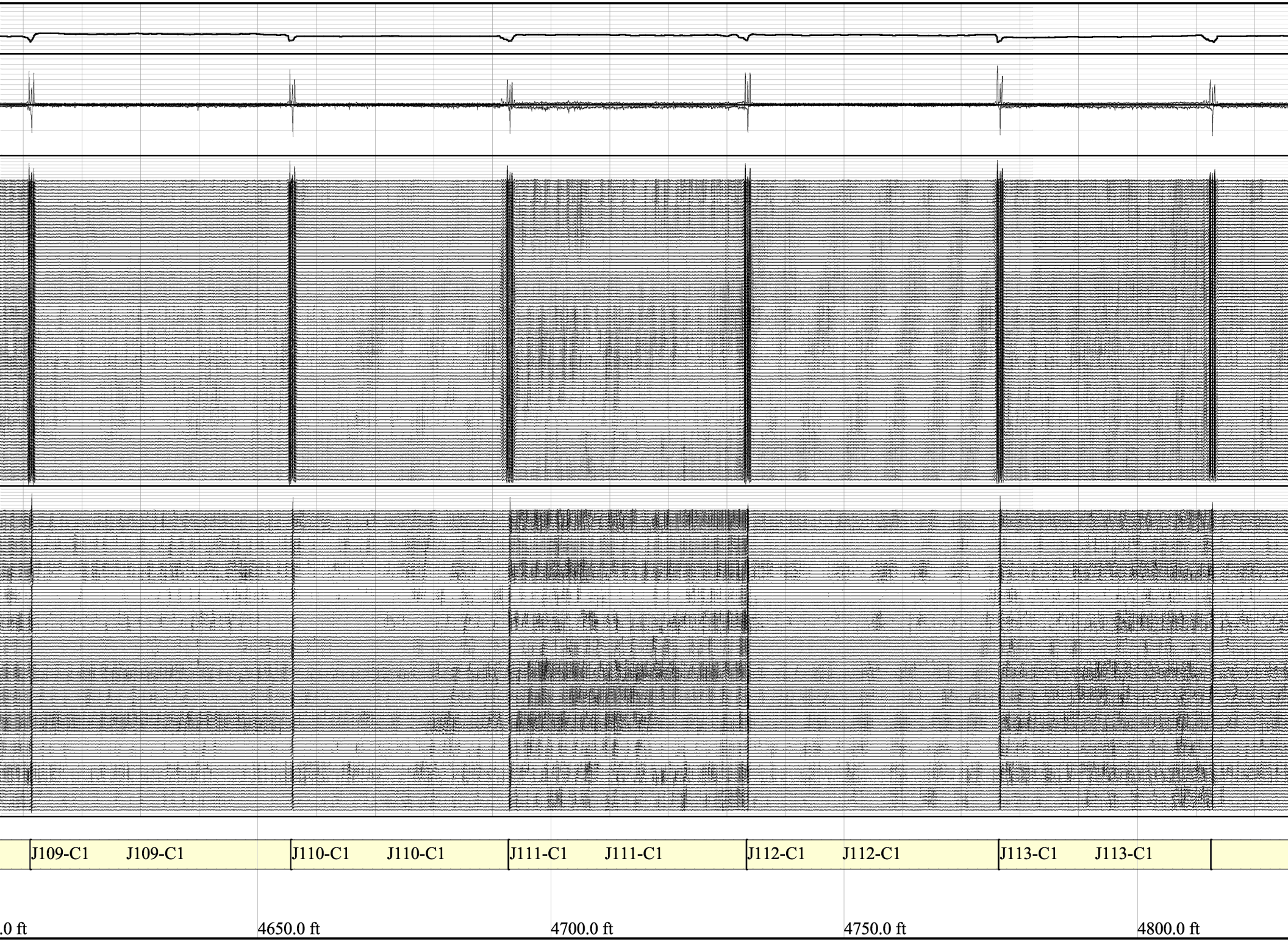
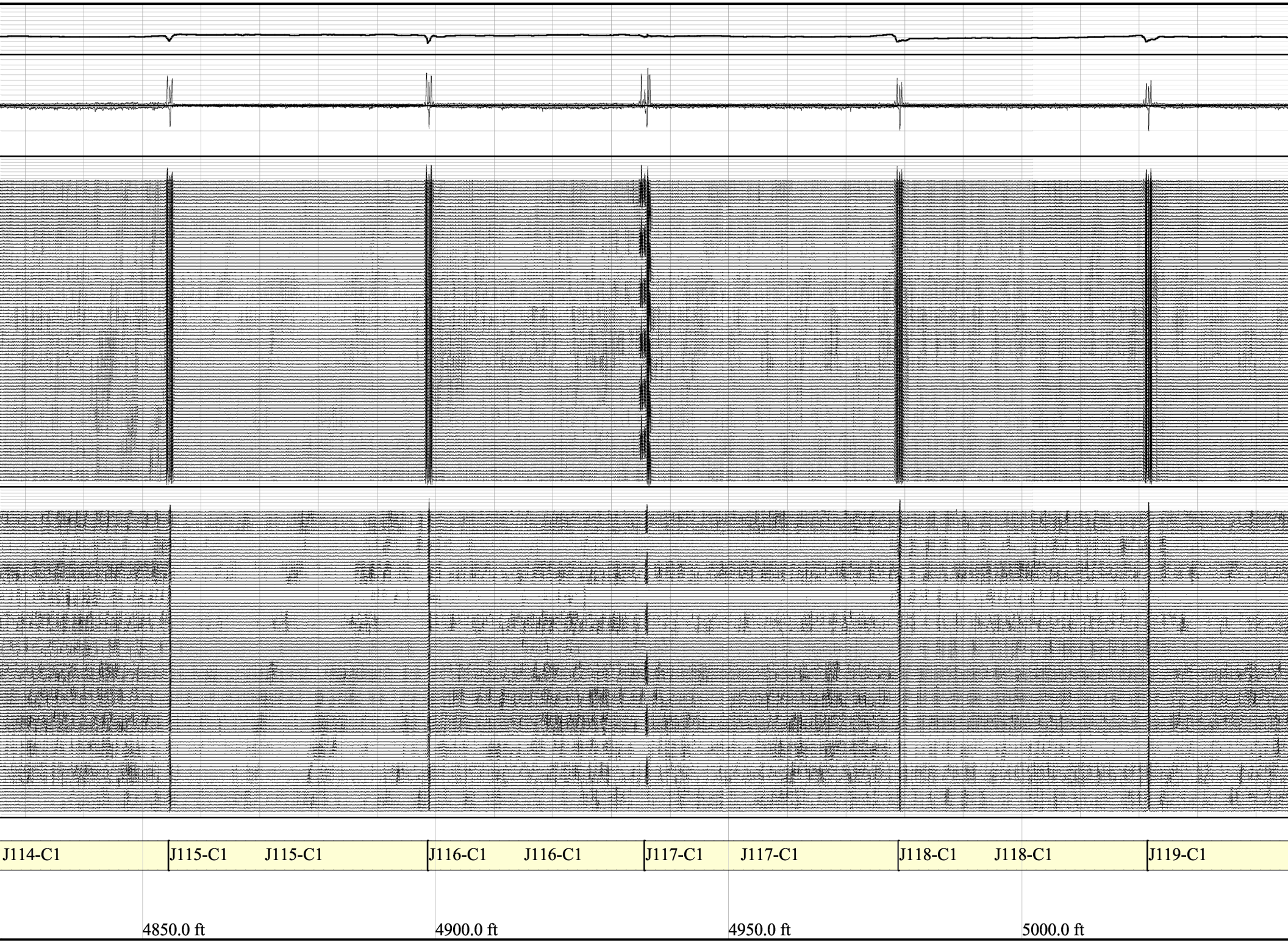
4250.0 ft
4300.0 ft
4350.0 ft


J104-C1
J104-C1
J105-C1
J105-C1
J106-C1
J106-C1
J107-C1
J107-C1
J108-C1
J108-C1
4400.0 ft
4450.0 ft
4500.0 ft
4550.0 ft
4600


J109-C1
J109-C1
J110-C1
J110-C1
J111-C1
J111-C1
J112-C1
J112-C1
J113-C1
J113-C1
.0 ft
4650.0 ft
4700.0 ft
4750.0 ft
4800.0 ft


J114-C1
J115-C1
J115-C1
J116-C1
J116-C1
J117-C1
J117-C1
J118-C1
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J119-C1
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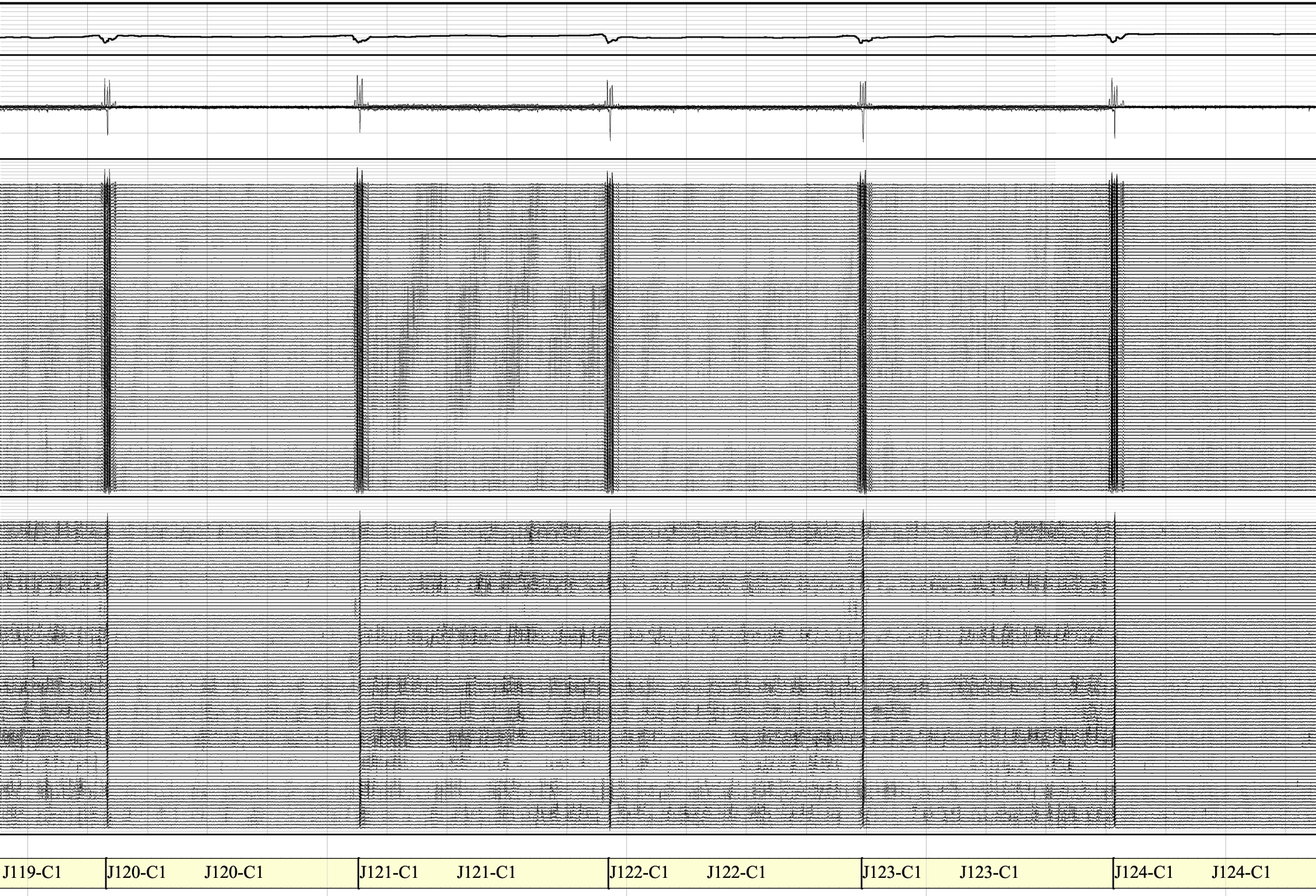
4900.0 ft
4950.0 ft
5000.0 ft


J119-C1
J120-C1
J120-C1
J121-C1
J121-C1
J122-C1
J122-C1
J123-C1
J123-C1
J124-C1
J124-C1
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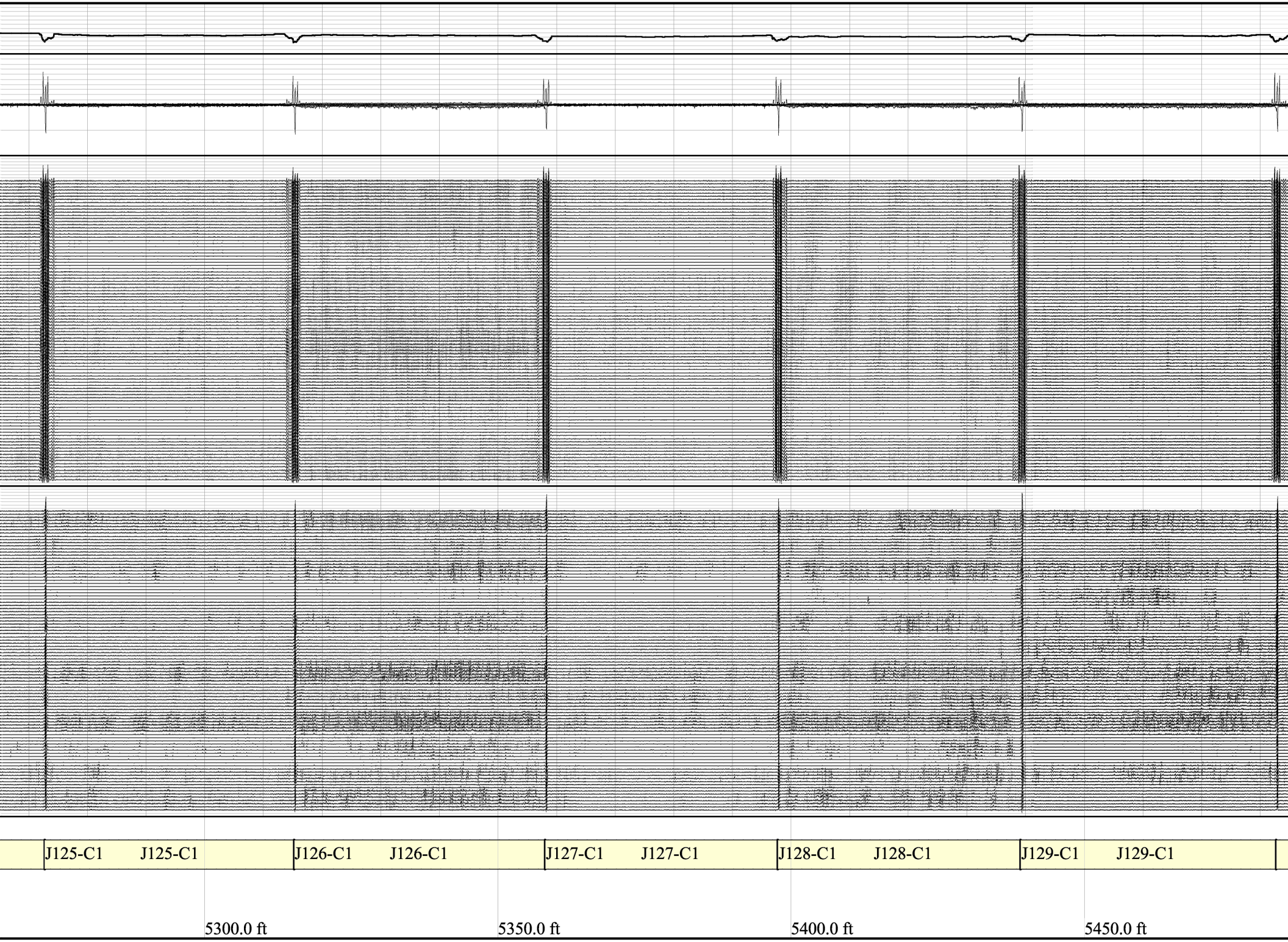
5150.0 ft
5200.0 ft
5250.0 ft


J125-C1
J125-C1
J126-C1
J126-C1
J127-C1
J127-C1
J128-C1
J128-C1
J129-C1
J129-C1
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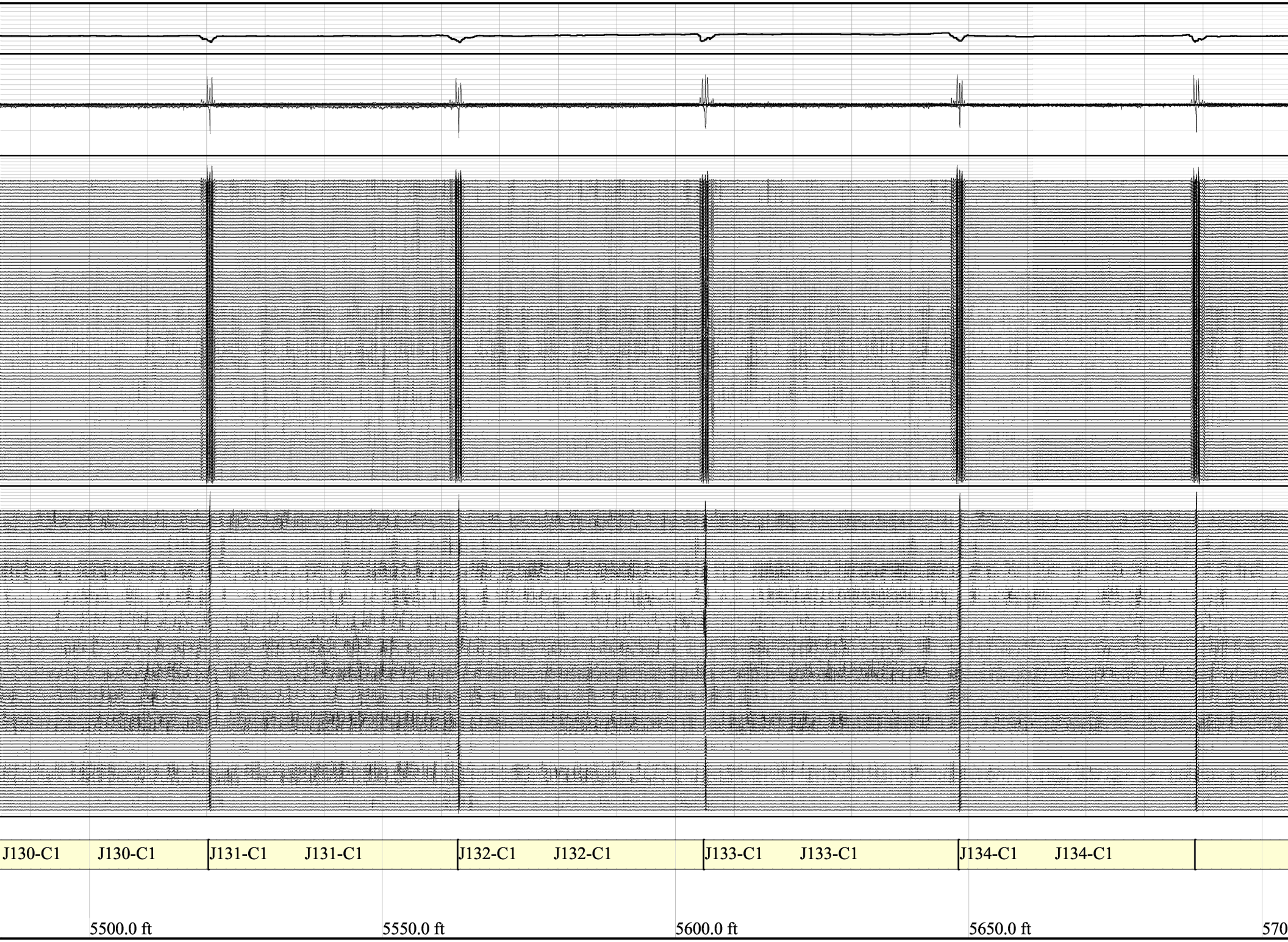
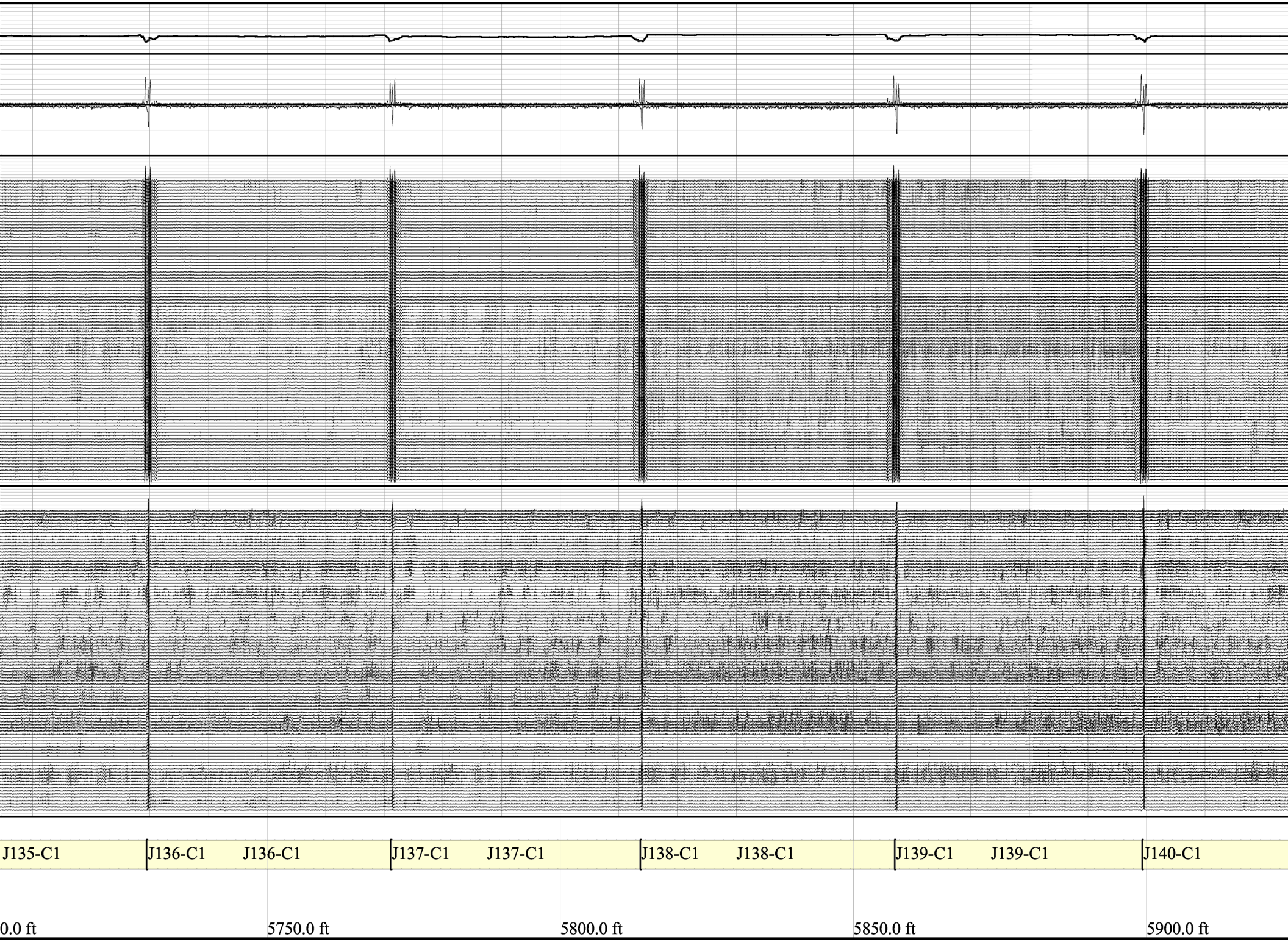
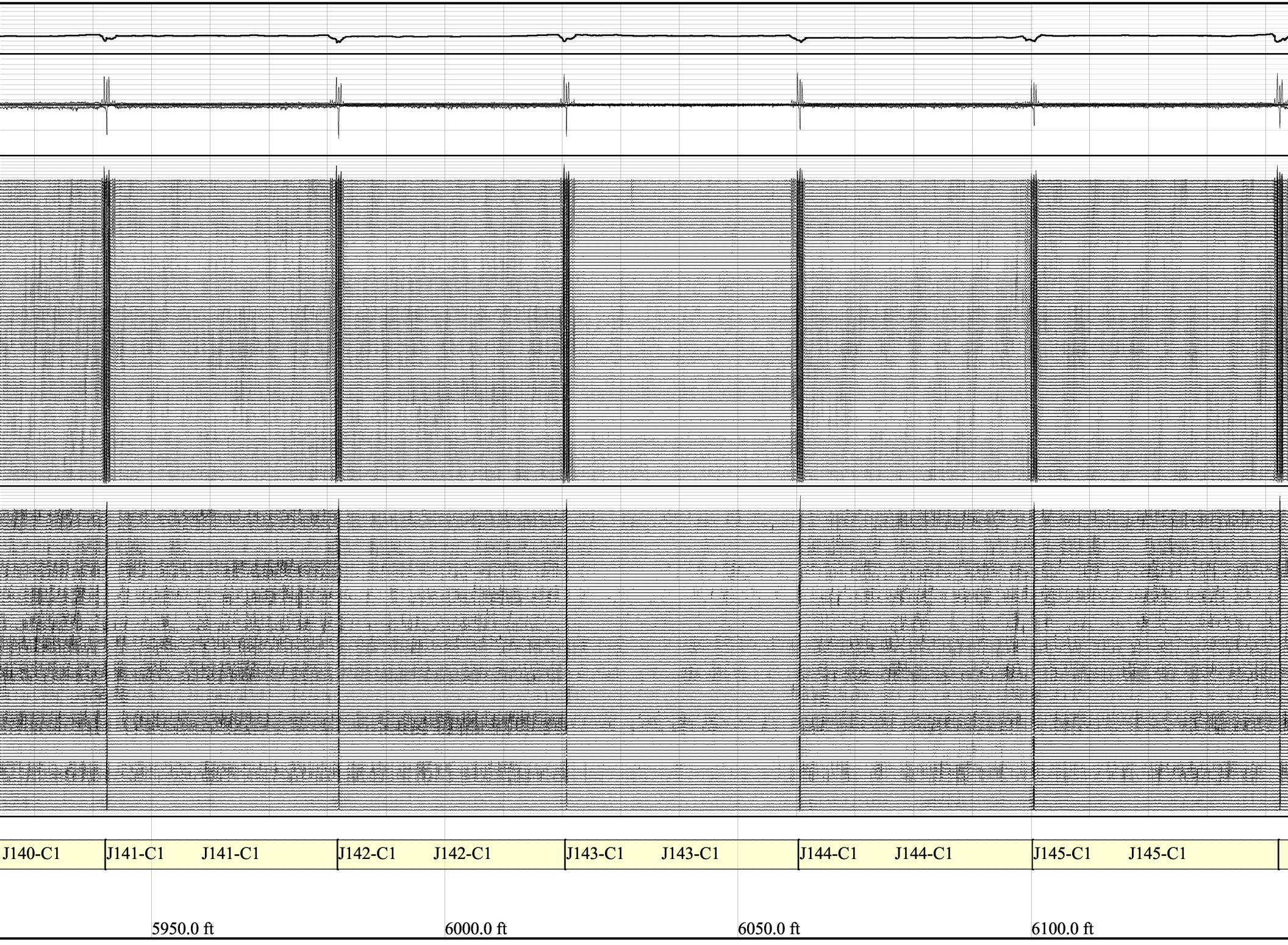
5400.0 ft
5450.0 ft


J130-C1
J130-C1
J131-C1
J131-C1
J132-C1
J132-C1
J133-C1
J133-C1
J134-C1
J134-C1
5500.0 ft
5550.0 ft
5600.0 ft
5650.0 ft
570


J135-C1
J136-C1
J136-C1
J137-C1
J137-C1
J138-C1
J138-C1
J139-C1
J139-C1
J140-C1
0.0 ft
5750.0 ft
5800.0 ft
5850.0 ft
5900.0 ft


J140-C1
J141-C1
J141-C1
J142-C1
J142-C1
J143-C1
J143-C1
J144-C1
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J145-C1
J145-C1
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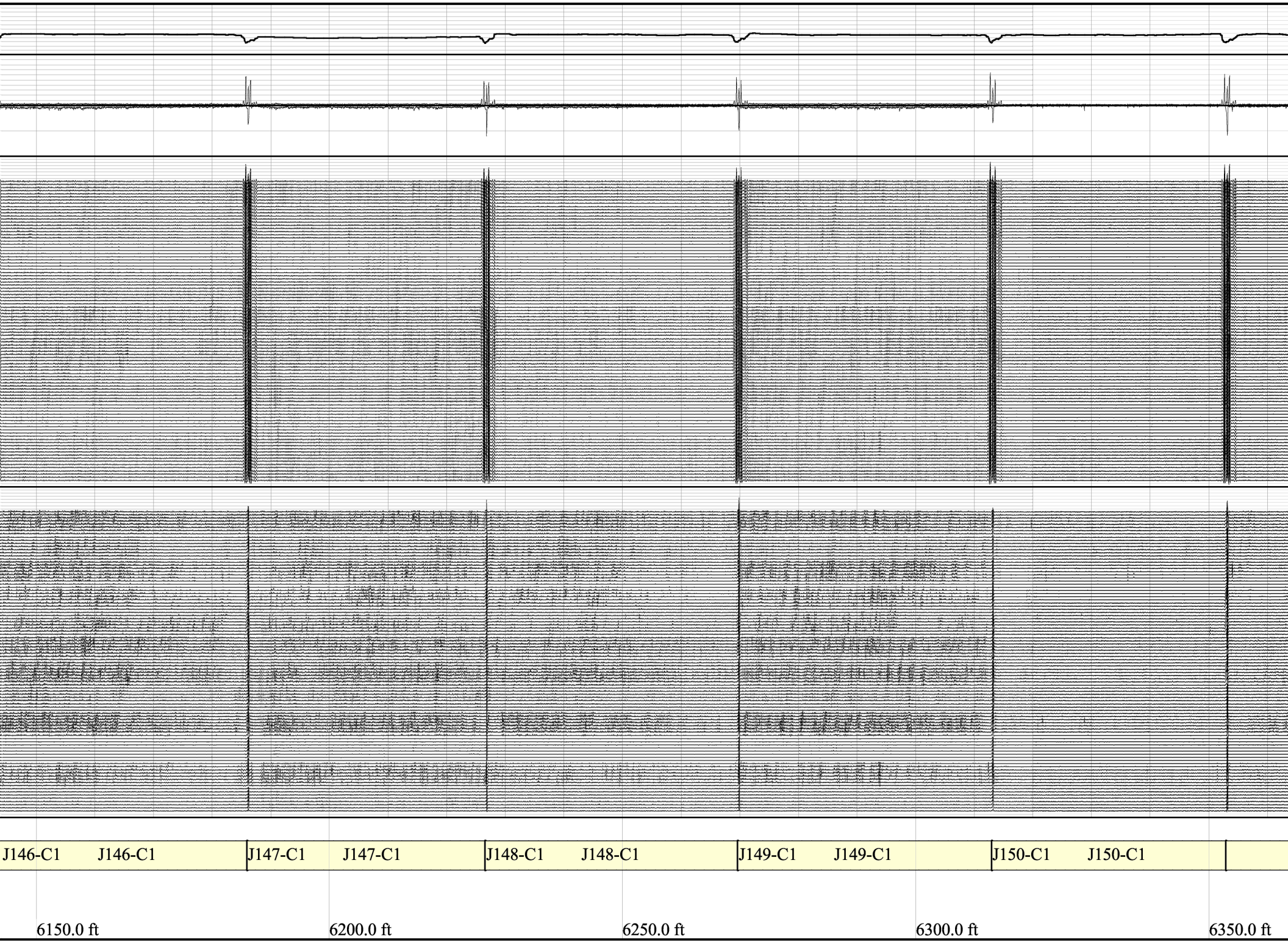
6000.0 ft
6050.0 ft
6100.0 ft


J146-C1
J146-C1
J147-C1
J147-C1
J148-C1
J148-C1
J149-C1
J149-C1
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J150-C1
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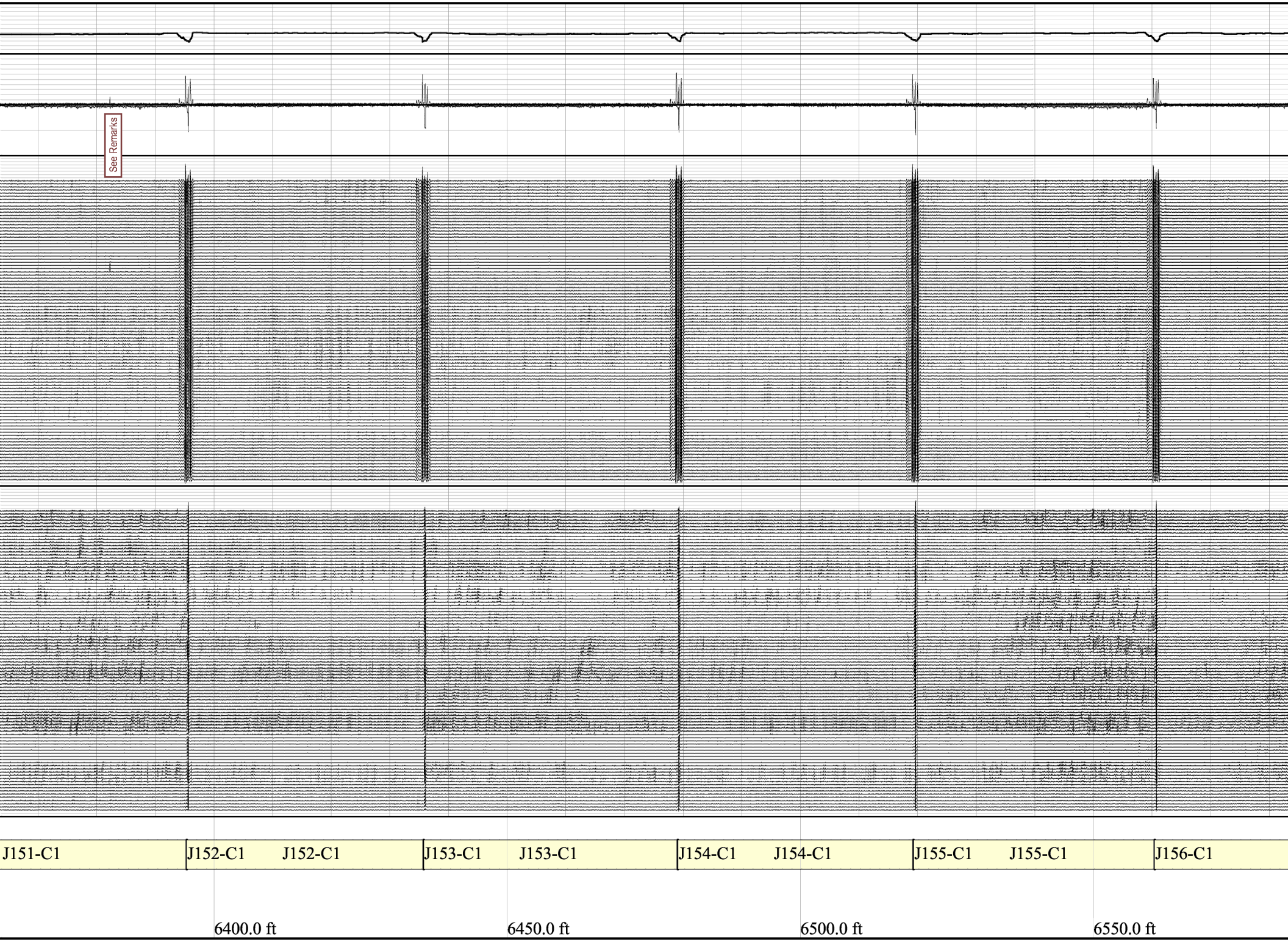
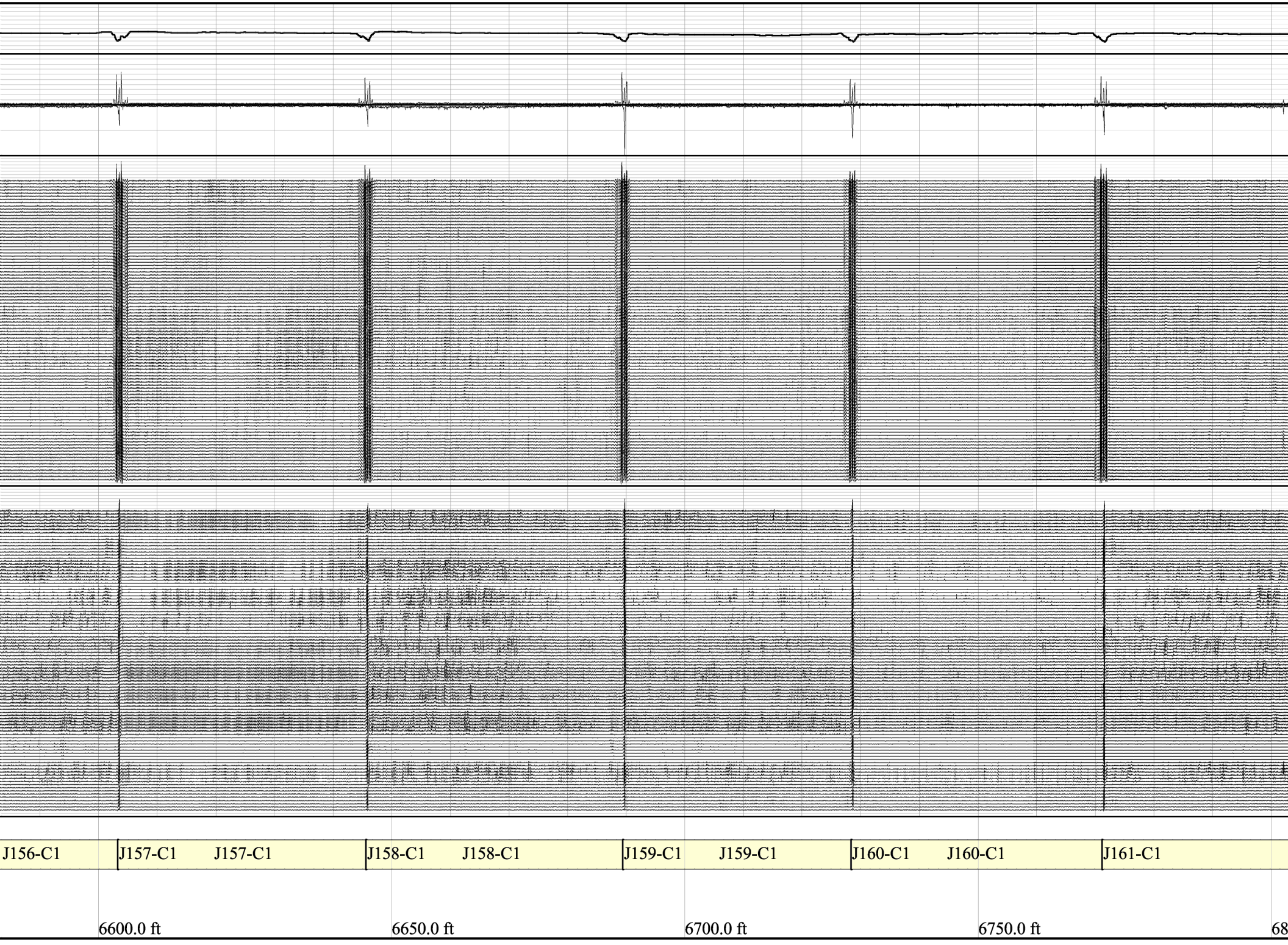
6300.0 ft
6350.0 ft


See Remarks
J151-C1
J152-C1
J152-C1
J153-C1
J153-C1
J154-C1
J154-C1
J155-C1
J155-C1
J156-C1
6400.0 ft
6450.0 ft
6500.0 ft
6550.0 ft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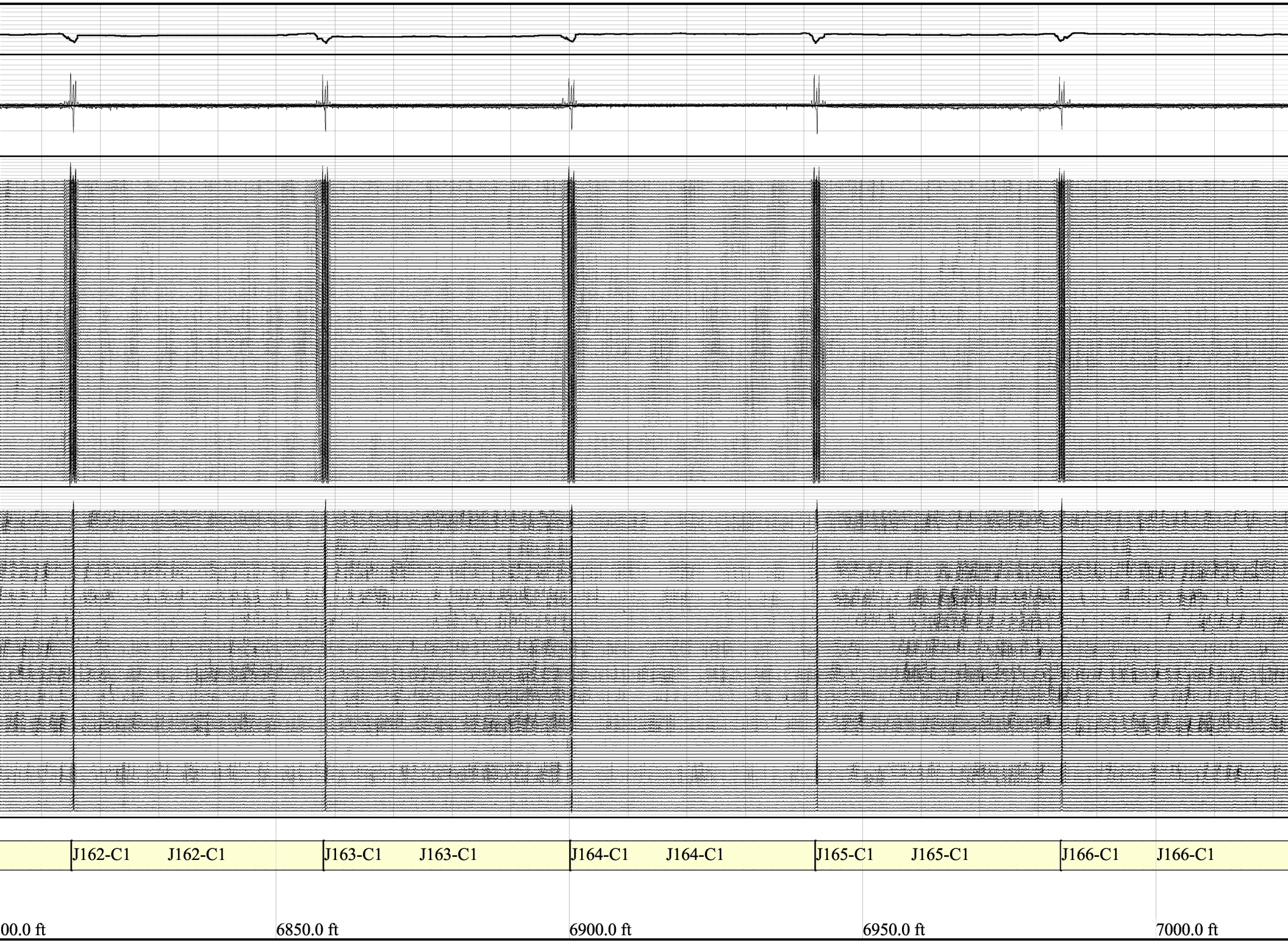
J157-C1
J157-C1
J158-C1
J158-C1
J159-C1
J159-C1
J160-C1
J160-C1
J161-C1
6600.0 ft
6650.0 ft
6700.0 ft
6750.0 ft
68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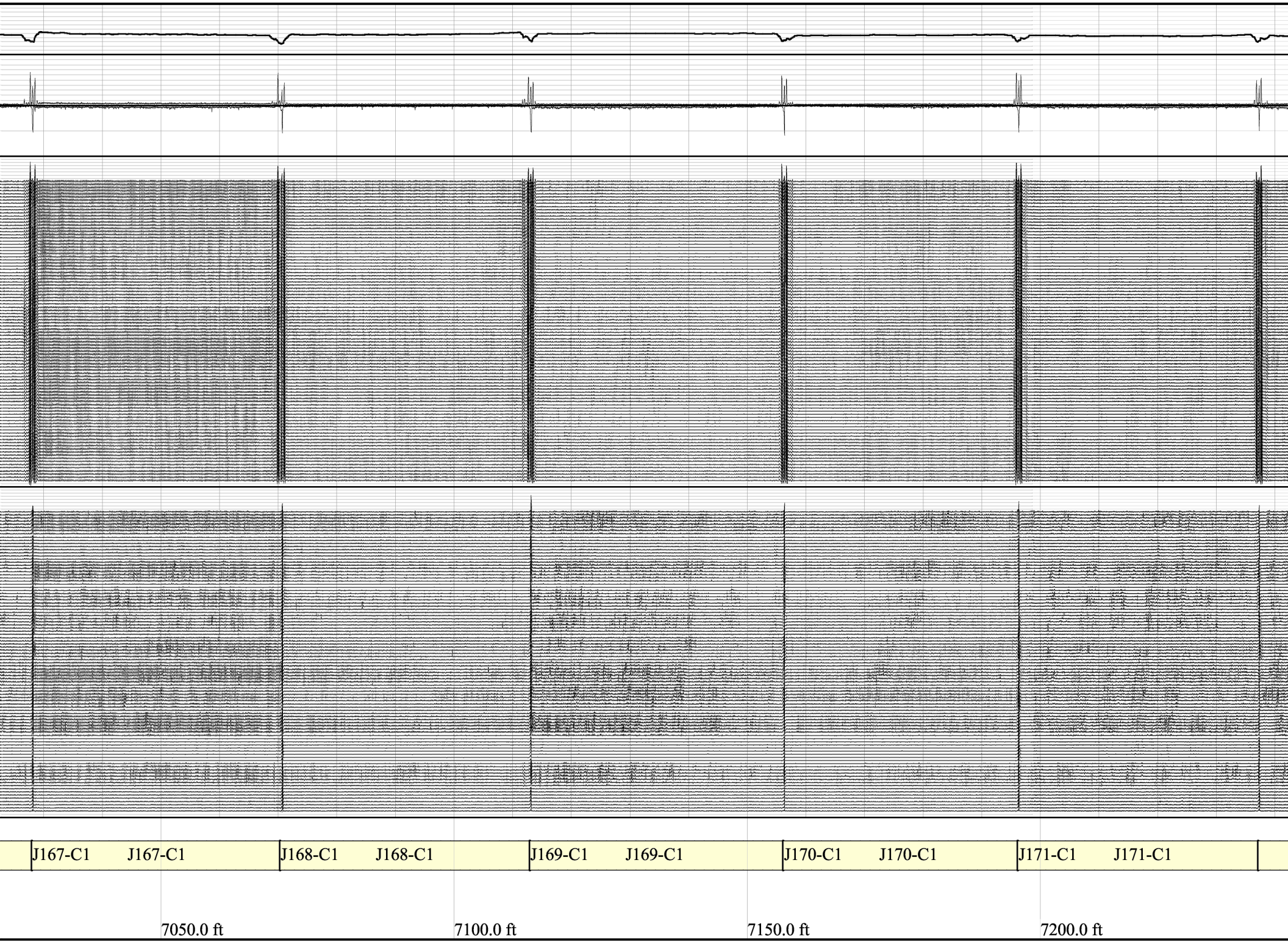
J162-C1
J163-C1
J163-C1
J164-C1
J164-C1
J165-C1
J165-C1
J166-C1
J166-C1
00.0 ft
6850.0 ft
6900.0 ft
6950.0 ft
7000.0 ft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J167-C1
J168-C1
J168-C1
J169-C1
J169-C1
J170-C1
J170-C1
J171-C1
J171-C1
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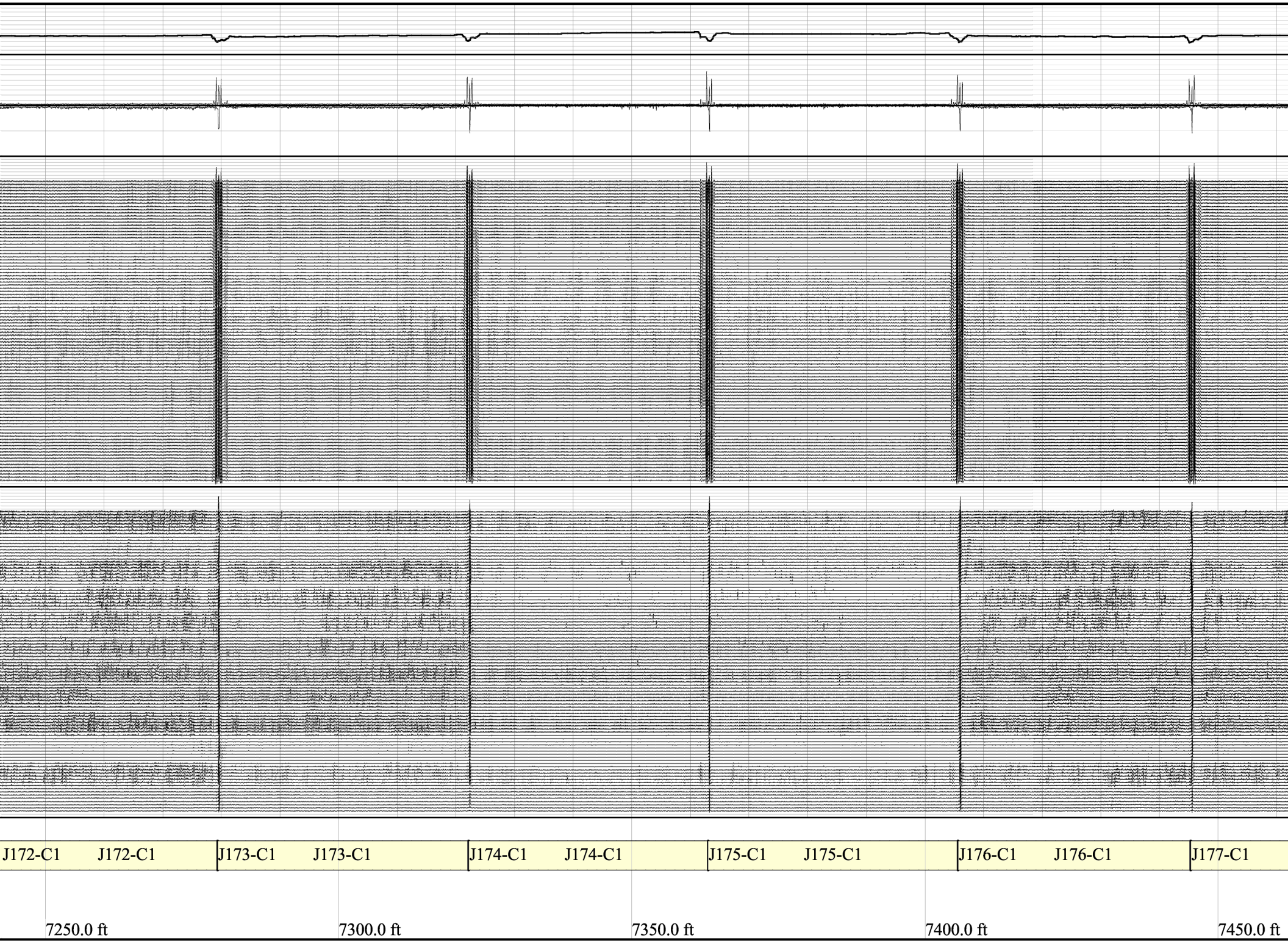
7150.0 ft
7200.0 ft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J172-C1
J173-C1
J173-C1
J174-C1
J174-C1
J175-C1
J175-C1
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J176-C1
J177-C1
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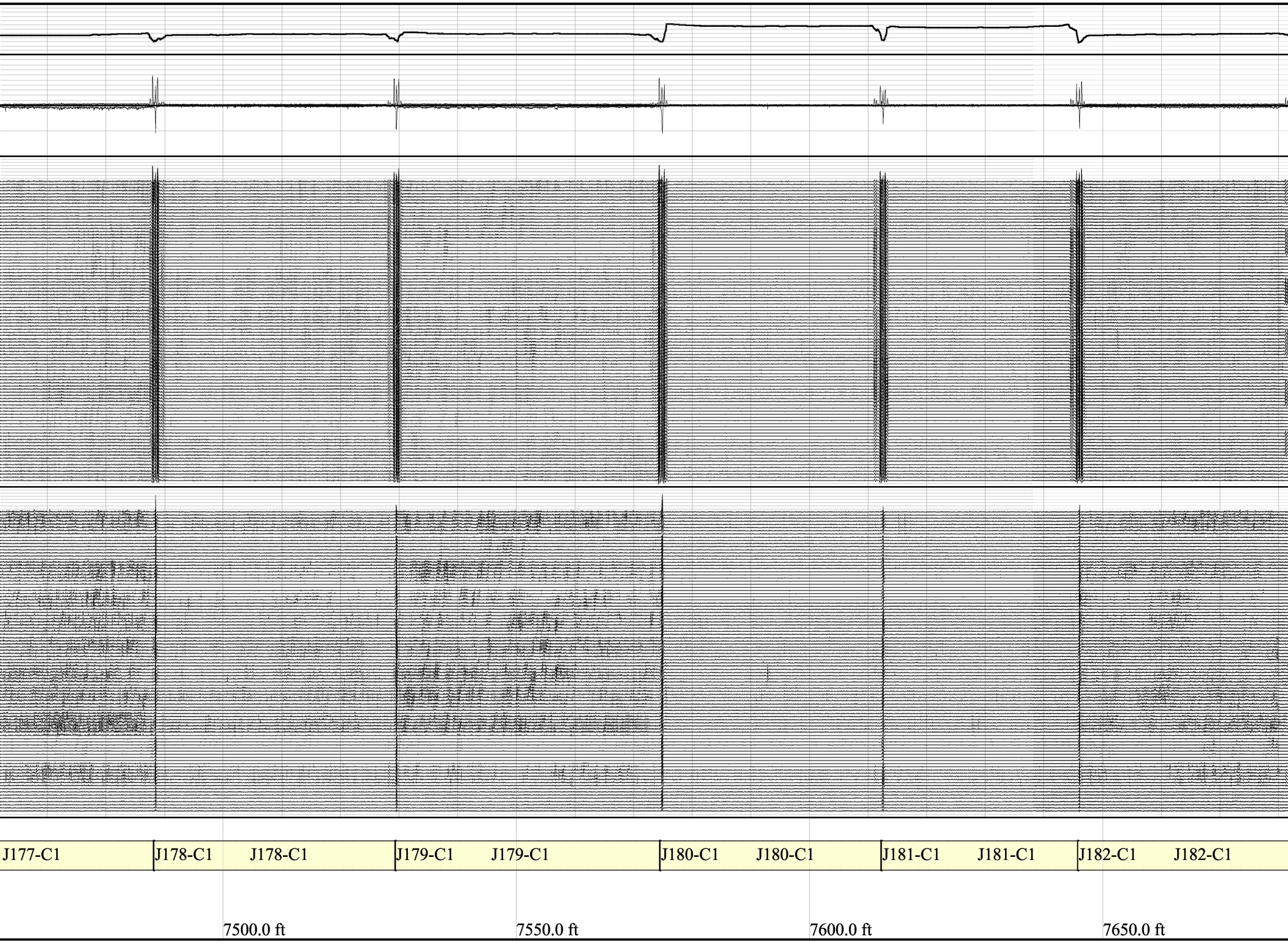
7400.0 ft
7450.0 ft


J177-C1
J178-C1
J178-C1
J179-C1
J179-C1
J180-C1
J180-C1
J181-C1
J181-C1
J182-C1
J182-C1
7500.0 ft
7550.0 ft
7600.0 ft
7650.0 ft

Southern California Gas Company Porter 69k

File 20160524_145928_RSP_0_0_0_0_0.mvl

Joint Summary

Southern California Gas Company
Aliso Canyon
Porter 69k

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	36.82	6.79	9.625	0.472	47.0	0			1
JT-2	43.61	42.90	9.625	0.472	47.0	0			1
JT-3	86.51	46.19	9.625	0.472	47.0	0			1
JT-4	132.70	46.94	9.625	0.472	47.0	0			1
JT-5	179.64	41.86	9.625	0.472	47.0	0			1
JT-6	221.50	34.84	9.625	0.472	47.0	0			1
JT-7	256.34	38.57	9.625	0.472	47.0	0			1
JT-8	294.91	45.32	9.625	0.472	47.0	0			1
JT-9	340.24	39.32	9.625	0.472	47.0	0			1
JT-10	379.55	44.35	9.625	0.472	47.0	0			1
JT-11	423.90	46.08	9.625	0.472	47.0	0			1
JT-12	469.99	43.54	9.625	0.472	47.0	0			1
JT-13	513.53	47.24	9.625	0.472	47.0	0			1
JT-14	560.76	46.23	9.625	0.472	47.0	0			1
JT-15	607.00	46.97	9.625	0.472	47.0	0			1
JT-16	653.97	44.13	9.625	0.472	47.0	0			1
JT-17	698.10	46.19	9.625	0.472	47.0	0			1
JT-18	744.29	44.48	9.625	0.472	47.0	0			1
JT-19	788.77	45.20	9.625	0.472	47.0	0			1
JT-20	833.97	45.21	9.625	0.472	47.0	0			1
JT-21	879.18	42.95	9.625	0.472	47.0	0			1
JT-22	922.13	40.61	9.625	0.472	47.0	0			1
JT-23	962.74	42.29	9.625	0.472	47.0	0			1
JT-24	1005.03	39.20	9.625	0.472	47.0	0			1
JT-25	1044.23	46.69	9.625	0.472	47.0	0			1
JT-26	1090.92	40.90	9.625	0.472	47.0	0			1
JT-27	1131.82	38.18	9.625	0.472	47.0	0			1
JT-28	1170.00	44.19	9.625	0.472	47.0	0			1
JT-29	1214.19	47.10	9.625	0.472	47.0	0			1
JT-30	1261.29	46.40	9.625	0.472	47.0	0			1
JT-31	1307.69	42.53	9.625	0.472	47.0	0			1
JT-32	1350.22	42.85	9.625	0.472	47.0	0			1
JT-33	1393.07	46.74	9.625	0.472	47.0	0			1
JT-34	1439.81	45.75	9.625	0.472	47.0	0			1
JT-35	1485.55	46.95	9.625	0.472	47.0	0			1
JT-36	1532.50	45.96	9.625	0.472	47.0	0			1
JT-37	1578.46	46.49	9.625	0.472	47.0	0			1
JT-38	1624.95	47.11	9.625	0.472	47.0	0			1
JT-39	1672.06	46.19	9.625	0.472	47.0	0			1
JT-40	1718.25	46.53	9.625	0.472	47.0	0			1
JT-41	1764.79	38.15	9.625	0.472	47.0	0			1
JT-42	1802.94	41.35	9.625	0.472	47.0	0			1
JT-43	1844.28	46.53	9.625	0.472	47.0	0			1
JT-44	1890.81	42.60	9.625	0.472	47.0	0			1
JT-45	1933.41	46.92	9.625	0.472	47.0	0			1
JT-46	1980.33	39.65	9.625	0.472	47.0	0			1
JT-47	2019.98	39.84	9.625	0.472	47.0	0			1
JT-48	2059.82	42.39	9.625	0.472	47.0	0			1
JT-49	2102.21	36.27	9.625	0.472	47.0	0			1
JT-50	2138.48	40.73	9.625	0.472	47.0	0			1
JT-51	2179.21	43.14	9.625	0.472	47.0	0			1
JT-52	2222.35	44.82	9.625	0.472	47.0	0			1
JT-53	2267.17	42.91	9.625	0.472	47.0	0			1
JT-54	2310.08	44.73	9.625	0.472	47.0	0			1
JT-55	2354.81	42.70	9.625	0.472	47.0	0			1
JT-56	2397.50	43.46	9.625	0.472	47.0	0			1
JT-57	2440.96	42.95	9.625	0.472	47.0	0			1
JT-58	2483.92	41.25	9.625	0.472	47.0	0			1
JT-59	2525.17	41.77	9.625	0.472	47.0	0			1
JT-60	2566.94	45.82	9.625	0.472	47.0	0			1
JT-61	2612.76	38.24	9.625	0.472	47.0	0			1

JT-62	2651.00	40.37	9.625	0.472	47.0	0			1
JT-63	2691.36	41.37	9.625	0.472	47.0	0			1
JT-64	2732.74	42.75	9.625	0.472	47.0	0			1
JT-65	2775.48	44.05	9.625	0.472	47.0	0			1
JT-66	2819.53	38.91	9.625	0.472	47.0	0			1
JT-67	2858.44	43.98	9.625	0.472	47.0	0			1
JT-68	2902.42	41.76	9.625	0.472	47.0	0			1
JT-69	2944.18	42.22	9.625	0.472	47.0	0			1
JT-70	2986.40	44.04	9.625	0.472	47.0	0			1
JT-71	3030.44	41.78	9.625	0.472	47.0	0			1
JT-72	3072.22	43.39	9.625	0.472	47.0	16	3078.34	8714	1
JT-73	3115.62	42.45	9.625	0.472	47.0	0			1
JT-74	3158.07	40.88	9.625	0.472	47.0	0			1
JT-75	3198.95	43.36	9.625	0.472	47.0	0			1
JT-76	3242.31	43.26	9.625	0.472	47.0	0			1
JT-77	3285.57	43.07	9.625	0.472	47.0	0			1
JT-78	3328.64	40.35	9.625	0.472	47.0	0			1
JT-79	3368.99	42.34	9.625	0.472	47.0	0			1
JT-80	3411.32	36.73	9.625	0.472	47.0	0			1
JT-81	3448.05	35.55	9.625	0.472	47.0	0			1
JT-82	3483.60	38.09	9.625	0.472	47.0	0			1
JT-83	3521.69	42.15	9.625	0.472	47.0	0			1
JT-84	3563.84	42.13	9.625	0.472	47.0	0			1
JT-85	3605.97	39.84	9.625	0.472	47.0	0			1
JT-86	3645.81	38.29	9.625	0.472	47.0	0			1
JT-87	3684.09	41.94	9.625	0.472	47.0	0			1
JT-88	3726.03	41.96	9.625	0.472	47.0	0			1
JT-89	3767.99	40.87	9.625	0.472	47.0	0			1
JT-90	3808.87	40.78	9.625	0.472	47.0	0			1
JT-91	3849.65	42.50	9.625	0.472	47.0	0			1
JT-92	3892.15	43.05	9.625	0.472	47.0	0			1
JT-93	3935.20	39.26	9.625	0.472	47.0	0			1
JT-94	3974.45	38.10	9.625	0.472	47.0	0			1
JT-95	4012.56	42.20	9.625	0.472	47.0	0			1
JT-96	4054.76	41.65	9.625	0.472	47.0	0			1
JT-97	4096.41	43.28	9.625	0.472	47.0	15	4109.77	8798	1
JT-98	4139.69	44.02	9.625	0.472	47.0	0			1
JT-99	4183.71	42.10	9.625	0.472	47.0	0			1
JT-100	4225.81	42.72	9.625	0.472	47.0	0			1
JT-101	4268.53	39.57	9.625	0.472	47.0	0			1
JT-102	4308.11	45.25	9.625	0.472	47.0	0			1
JT-103	4353.35	42.05	9.625	0.472	47.0	0			1
JT-104	4395.41	43.62	9.625	0.472	47.0	0			1
JT-105	4439.03	42.74	9.625	0.472	47.0	0			1
JT-106	4481.77	41.89	9.625	0.472	47.0	0			1
JT-107	4523.66	44.14	9.625	0.472	47.0	0			1
JT-108	4567.79	43.50	9.625	0.472	47.0	0			1
JT-109	4611.30	44.44	9.625	0.472	47.0	0			1
JT-110	4655.74	37.12	9.625	0.472	47.0	0			1
JT-111	4692.86	40.57	9.625	0.472	47.0	0			1
JT-112	4733.44	43.03	9.625	0.472	47.0	0			1
JT-113	4776.47	36.23	9.625	0.472	47.0	0			1
JT-114	4812.70	41.85	9.625	0.472	47.0	0			1
JT-115	4854.55	44.21	9.625	0.472	47.0	0			1
JT-116	4898.76	36.98	9.625	0.472	47.0	0			1
JT-117	4935.74	43.29	9.625	0.472	47.0	0			1
JT-118	4979.04	42.49	9.625	0.472	47.0	0			1
JT-119	5021.52	41.66	9.625	0.472	47.0	0			1
JT-120	5063.19	42.18	9.625	0.472	47.0	0			1
JT-121	5105.36	41.73	9.625	0.472	47.0	0			1
JT-122	5147.09	42.23	9.625	0.472	47.0	0			1
JT-123	5189.32	42.02	9.625	0.472	47.0	0			1
JT-124	5231.34	41.41	9.625	0.472	47.0	0			1
JT-125	5272.74	42.57	9.625	0.472	47.0	0			1
JT-126	5315.31	42.78	9.625	0.472	47.0	0			1
JT-127	5358.09	39.67	9.625	0.472	47.0	0			1
JT-128	5397.76	41.44	9.625	0.472	47.0	0			1
JT-129	5439.20	43.60	9.625	0.472	47.0	0			1
JT-130	5482.80	37.62	9.625	0.472	47.0	0			1
JT-131	5520.42	42.49	9.625	0.472	47.0	0			1
JT-132	5562.91	41.98	9.625	0.472	47.0	0			1
JT-133	5604.89	43.45	9.625	0.472	47.0	0			1
JT-134	5648.34	40.37	9.625	0.472	47.0	0			1
JT-135	5688.70	40.86	9.625	0.472	47.0	0			1
JT-136	5729.56	41.65	9.625	0.472	47.0	0			1
JT-137	5771.21	42.58	9.625	0.472	47.0	0			1
JT-138	5813.79	43.35	9.625	0.472	47.0	0			1
JT-139	5857.15	42.27	9.625	0.472	47.0	0			1
JT-140	5899.42	42.80	9.625	0.472	47.0	0			1
JT-141	5942.22	39.57	9.625	0.472	47.0	0			1
JT-142	5981.80	38.83	9.625	0.472	47.0	0			1
JT-143	6020.63	39.83	9.625	0.472	47.0	0			1
JT-144	6060.46	39.87	9.625	0.472	47.0	0			1
JT-145	6100.33	41.97	9.625	0.472	47.0	0			1
JT-146	6142.29	43.75	9.625	0.472	47.0	0			1

JT-147	6186.04	40.63	9.625	0.472	47.0	0			1
JT-148	6226.68	43.05	9.625	0.472	47.0	0			1
JT-149	6269.73	43.29	9.625	0.472	47.0	0			1
JT-150	6313.02	39.98	9.625	0.472	47.0	0			1
JT-151	6353.00	42.41	9.625	0.472	47.0	0			1
JT-152	6395.41	40.38	9.625	0.472	47.0	0			1
JT-153	6435.79	43.38	9.625	0.472	47.0	0			1
JT-154	6479.17	40.19	9.625	0.472	47.0	0			1
JT-155	6519.36	41.15	9.625	0.472	47.0	0			1
JT-156	6560.51	42.89	9.625	0.472	47.0	0			1
JT-157	6603.40	42.35	9.625	0.472	47.0	0			1
JT-158	6645.75	43.77	9.625	0.472	47.0	0			1
JT-159	6689.51	38.96	9.625	0.472	47.0	0			1
JT-160	6728.47	42.80	9.625	0.472	47.0	0			1
JT-161	6771.27	43.90	9.625	0.472	47.0	17	6801.94	8786	1
JT-162	6815.17	42.97	9.625	0.472	47.0	0			1
JT-163	6858.13	42.05	9.625	0.472	47.0	0			1
JT-164	6900.18	41.83	9.625	0.472	47.0	0			1
JT-165	6942.02	41.85	9.625	0.472	47.0	0			1
JT-166	6983.87	44.14	9.625	0.472	47.0	0			1
JT-167	7028.01	42.35	9.625	0.472	47.0	0			1
JT-168	7070.36	42.61	9.625	0.472	47.0	0			1
JT-169	7112.98	43.25	9.625	0.472	47.0	0			1
JT-170	7156.23	39.99	9.625	0.472	47.0	0			1
JT-171	7196.22	40.98	9.625	0.472	47.0	0			1
JT-172	7237.20	42.23	9.625	0.472	47.0	0			1
JT-173	7279.42	42.78	9.625	0.472	47.0	0			1
JT-174	7322.20	40.88	9.625	0.472	47.0	0			1
JT-175	7363.09	42.64	9.625	0.472	47.0	0			1
JT-176	7405.73	39.68	9.625	0.472	47.0	0			1
JT-177	7445.41	42.87	9.625	0.472	47.0	0			1
JT-178	7488.28	41.16	9.625	0.472	47.0	0			1
JT-179	7529.44	45.17	9.625	0.472	47.0	0			1
JT-180	7574.60	37.78	9.625	0.472	47.0	0			1
JT-181	7612.38	33.47	9.625	0.472	47.0	0			1
JT-182	7645.84	36.44	9.625	0.472	47.0	0			1
JT-183	7682.28	3.92	9.625	0.472	47.0	0			1

Inspection Date: 05-24-2016
Report Date: 06-07-2016