COBL CRUX Oriented Borehole Logging	Company: Seattle City Light
	Location: Newhalem, WA
	Project: Gorge 2nd Tunnel

Date Logged:	September 22, 2009	Borehole ID: B3
File Name:	B3-1M.wcl	Logged By: F G Kruger

Notes:

1) Azimuths reference True North. Magnetic declination of +17 degrees applied.
2) 2.5x Horizontal Exaggeration on Televiewer Images.
3) Dip values presented in degrees from horizontal.
4) Dip direction presented in degrees of azimuth.
5) Simulated Core Image is viewed from north, east on left, west on right.

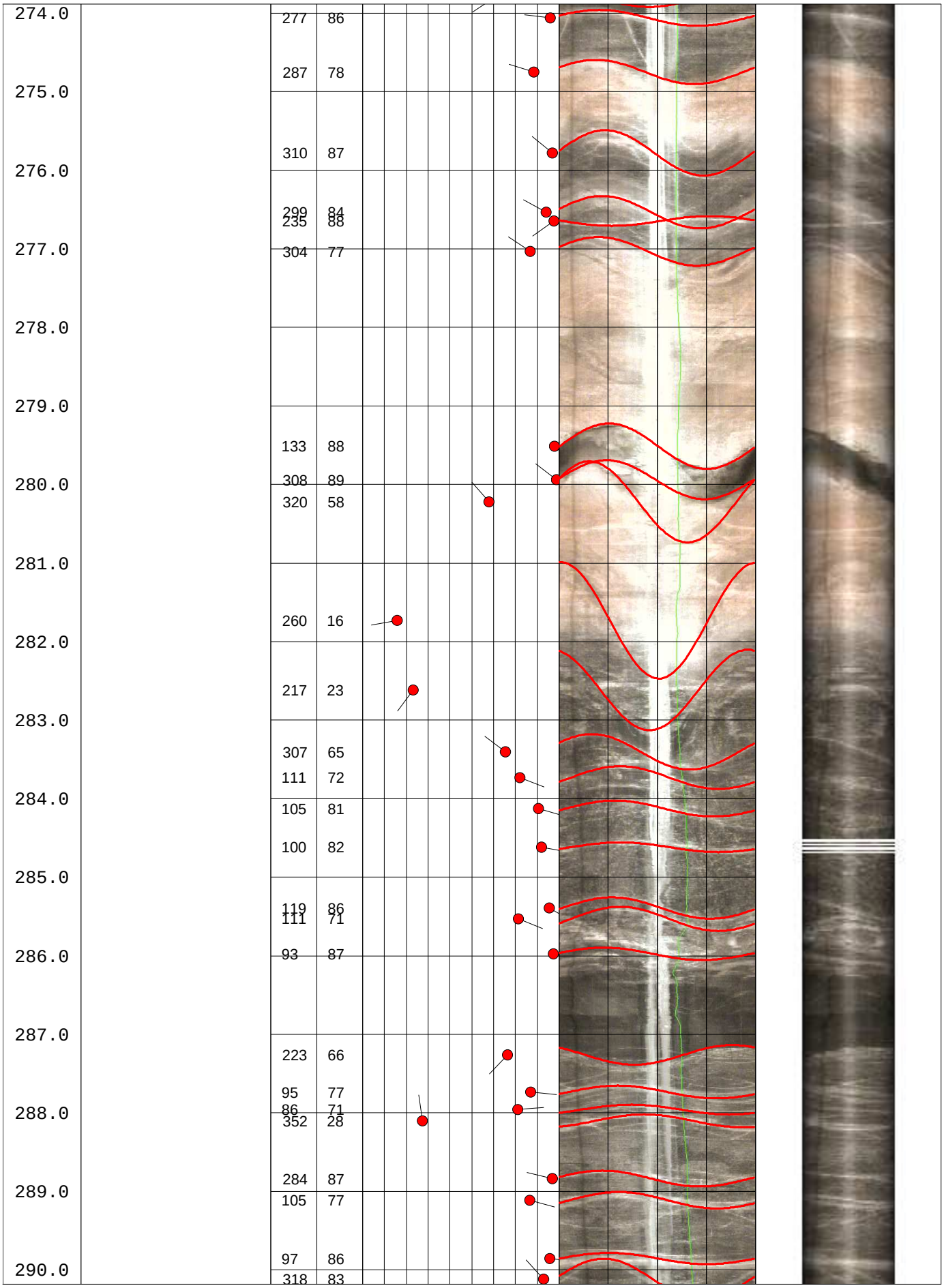
Depth	Comment	Dip AZ (deg)	True Dip (deg)
248.0		194	42
249.0			
250.0			
251.0			
252.0			
253.0		125	33
254.0			
255.0		65	21
256.0			
257.0		67	42

Tadpole - True Dip (0 – 90)

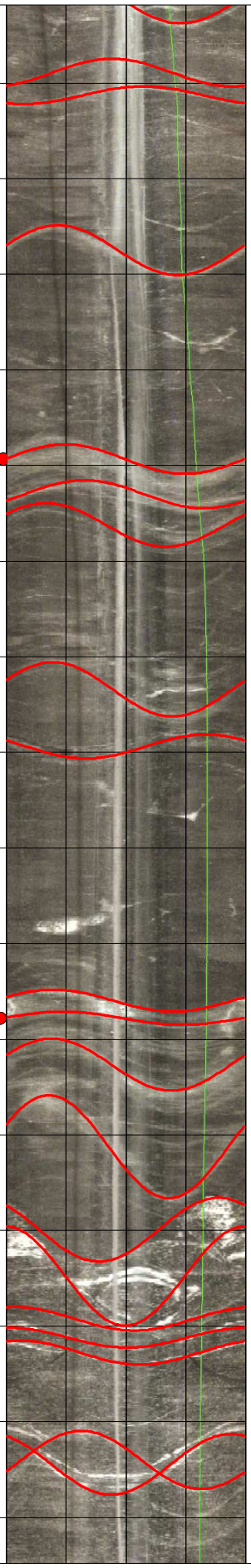
Tool.Image-HS Optical Trace (0° 90° 180° 270° 0°)

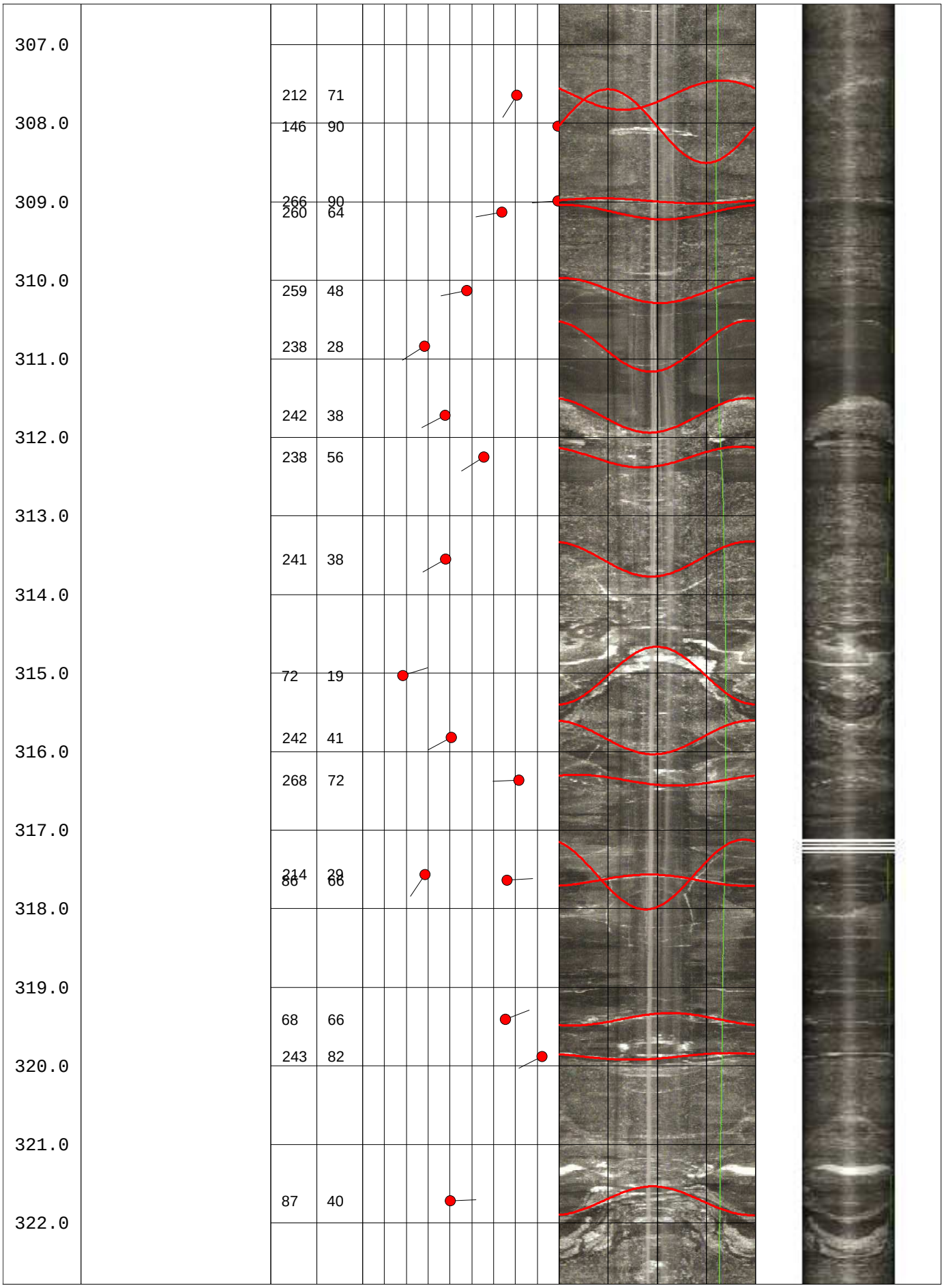
Simulated Core Image

258.0		
259.0		
260.0	191	65
	184	50
261.0	218	56
262.0	196	63
263.0	148	71
264.0	30	44
265.0		
266.0	71	49
	77	46
267.0		
268.0	207	38
	202	54
269.0	203	38
270.0	217	28
271.0	222	65
272.0	95	83
	275	79
	273	76
273.0	282	86
	237	60


274.0
277 86
287 78
275.0
310 87
276.0
299 84
235 88
277.0
304 77
278.0
279.0
133 88
308 89
280.0
320 58
281.0
260 16
282.0
217 23
283.0
307 65
111 72
284.0
105 81
100 82
285.0
119 86
111 71
286.0
93 87
287.0
223 66
95 77
288.0
86 71
352 28
284 87
289.0
105 77
97 86
290.0
318 83

291.0	93	48	
	53	56	
292.0			
	314	81	
293.0			
294.0			
	305	89	
295.0	120	72	
	313	65	
296.0			
297.0			
	318	73	
298.0	216	76	
299.0			
300.0			
	293	79	
	283	88	
301.0	318	71	
302.0	333	65	
303.0	206	47	
	247	22	
	267	55	
304.0	252	61	
	277	54	
305.0	140	70	
	218	37	
306.0			

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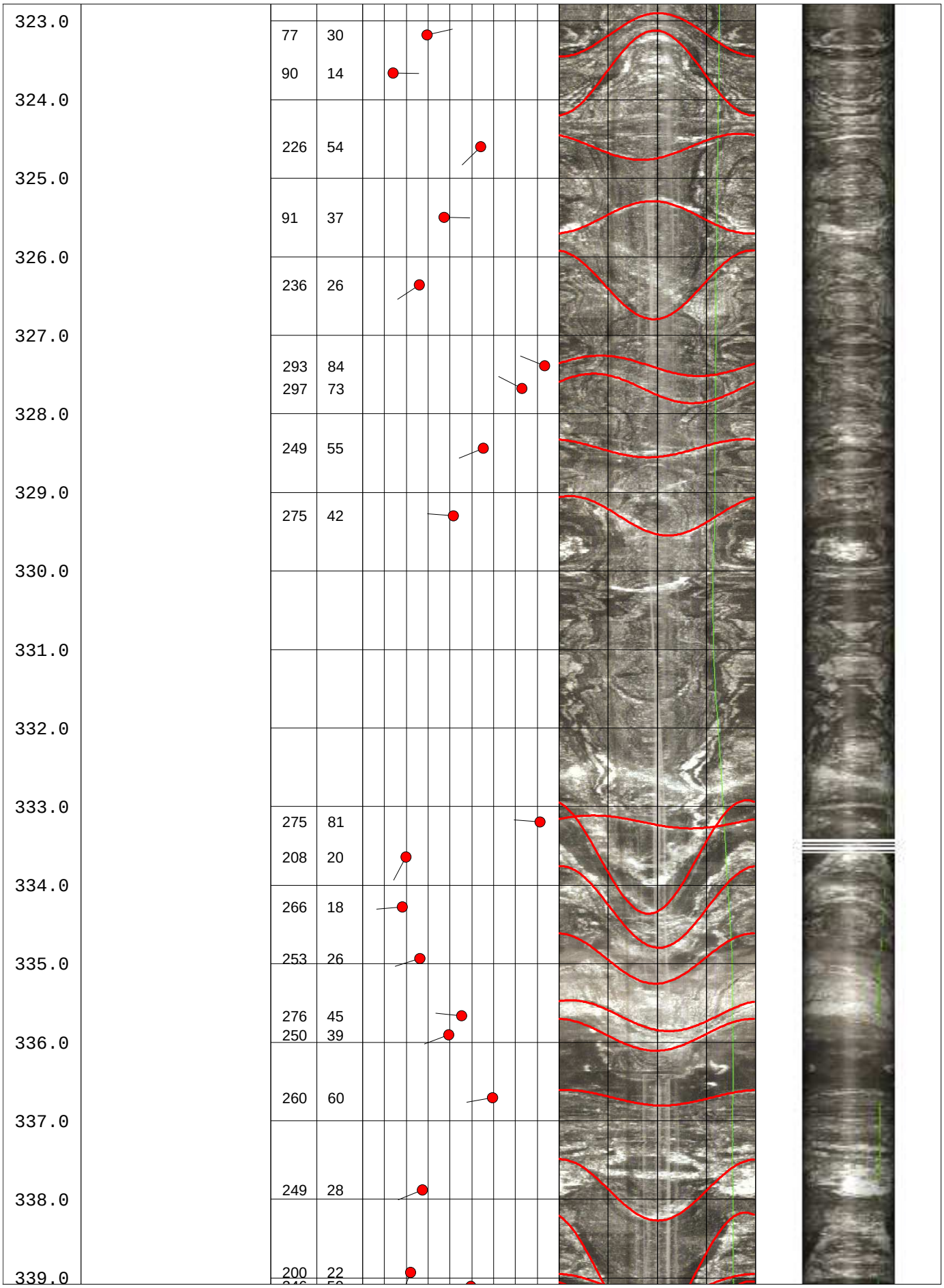
308.0
309.0
310.0
311.0
312.0
313.0
314.0
315.0
316.0
317.0
318.0
319.0
320.0
321.0
322.0
212 71
146 90
266 90
260 64
259 48
238 28
242 38
238 56
241 38
72 19
242 41
268 72
214 29
86 66
68 66
243 82
87 40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324.0
325.0
326.0
327.0
328.0
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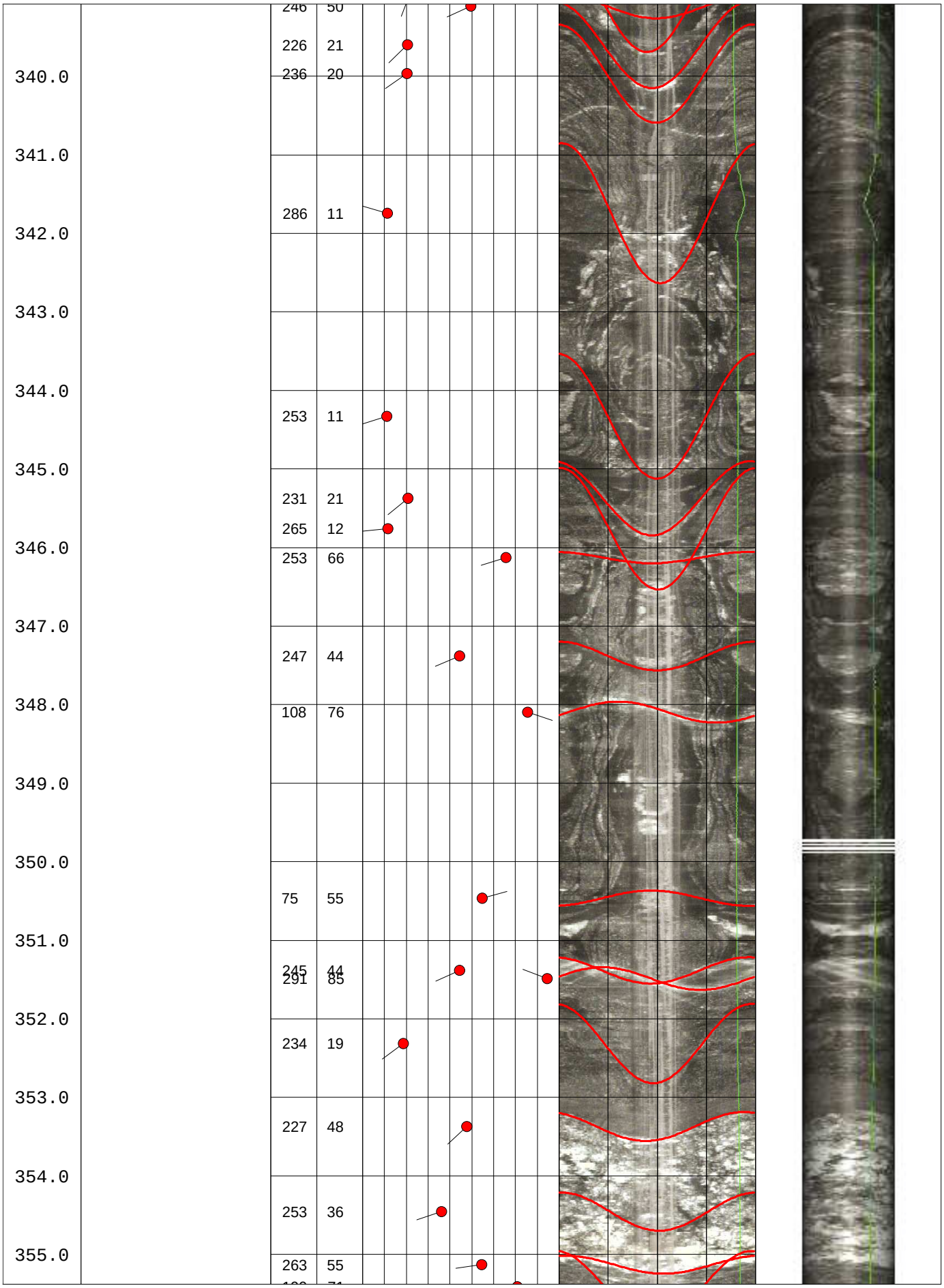
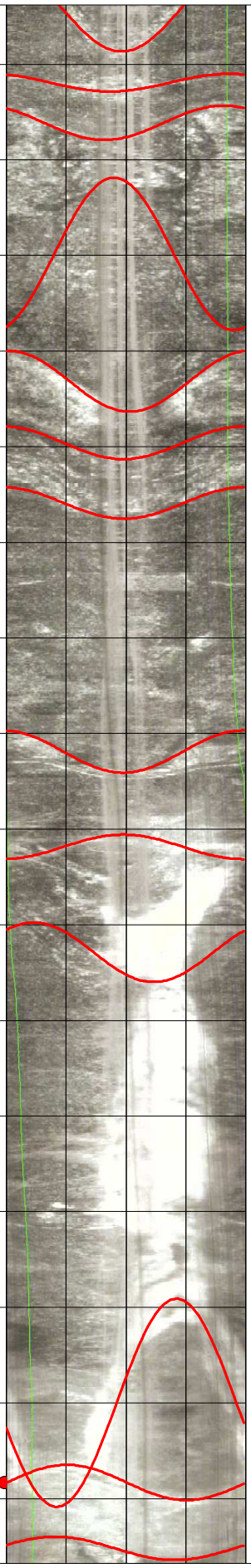
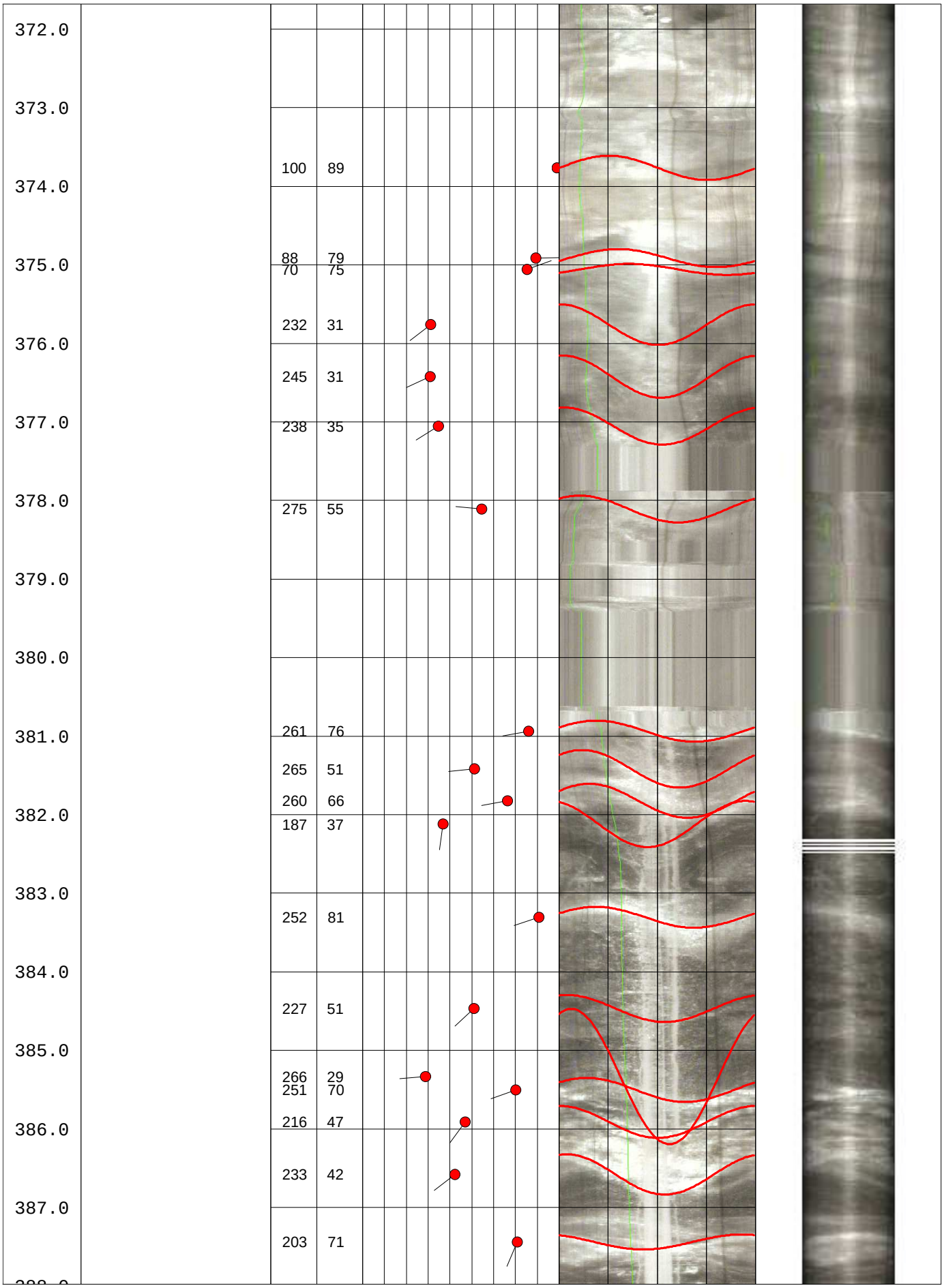
336.0
337.0
338.0
339.0
77 30
90 14
226 54
91 37
236 26
293 84
297 73
249 55
275 42
275 81
208 20
266 18
253 26
276 45
250 39
260 60
249 28
200 22


246 50
226 21
236 20
286 11
253 11
231 21
265 12
253 66
247 44
108 76
75 55
245 44
291 85
234 19
227 48
253 36
263 55
340.0
341.0
342.0
343.0
344.0
345.0
346.0
347.0
348.0
349.0
350.0
351.0
352.0
353.0
354.0
355.0

356.0	190	71	
	243	63	
	224	51	
357.0			
358.0	133	21	
359.0			
	267	27	
360.0	252	43	
	252	44	
361.0			
362.0			
363.0	246	36	
364.0	72	51	
365.0	301	48	
366.0			
367.0			
368.0			
369.0			
370.0	334	76	
	105	89	
371.0	273	80	

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376.0
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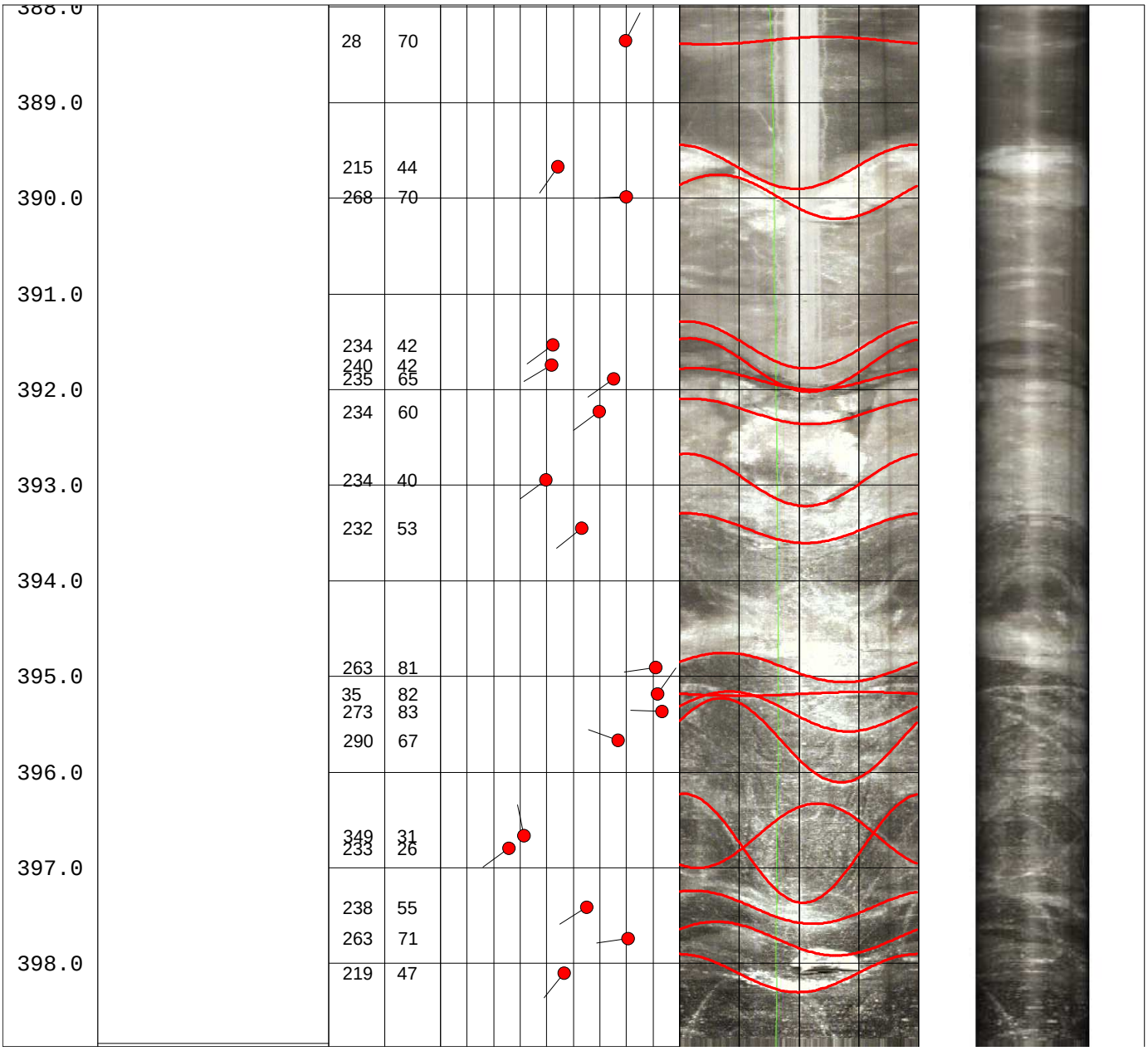
378.0
379.0
380.0
381.0
382.0
383.0
384.0
385.0
386.0
387.0
100 89
88 79
70 75
232 31
245 31
238 35
275 55
261 76
265 51
260 66
187 37
252 81
227 51
266 29
251 70
216 47
233 42
203 71


388.0
389.0
390.0
391.0
392.0
393.0
394.0
395.0
396.0
397.0
398.0
28 70
215 44
268 70
234 42
240 42
235 65
234 60
234 40
232 53
263 81
35 82
273 83
290 67
349 31
233 26
238 55
263 71
219 47