

Wall Latch 16F Review

(05.09.2025 | 08.09.2025) Labs

Neekon Saadat | 09.09.2025

Summary

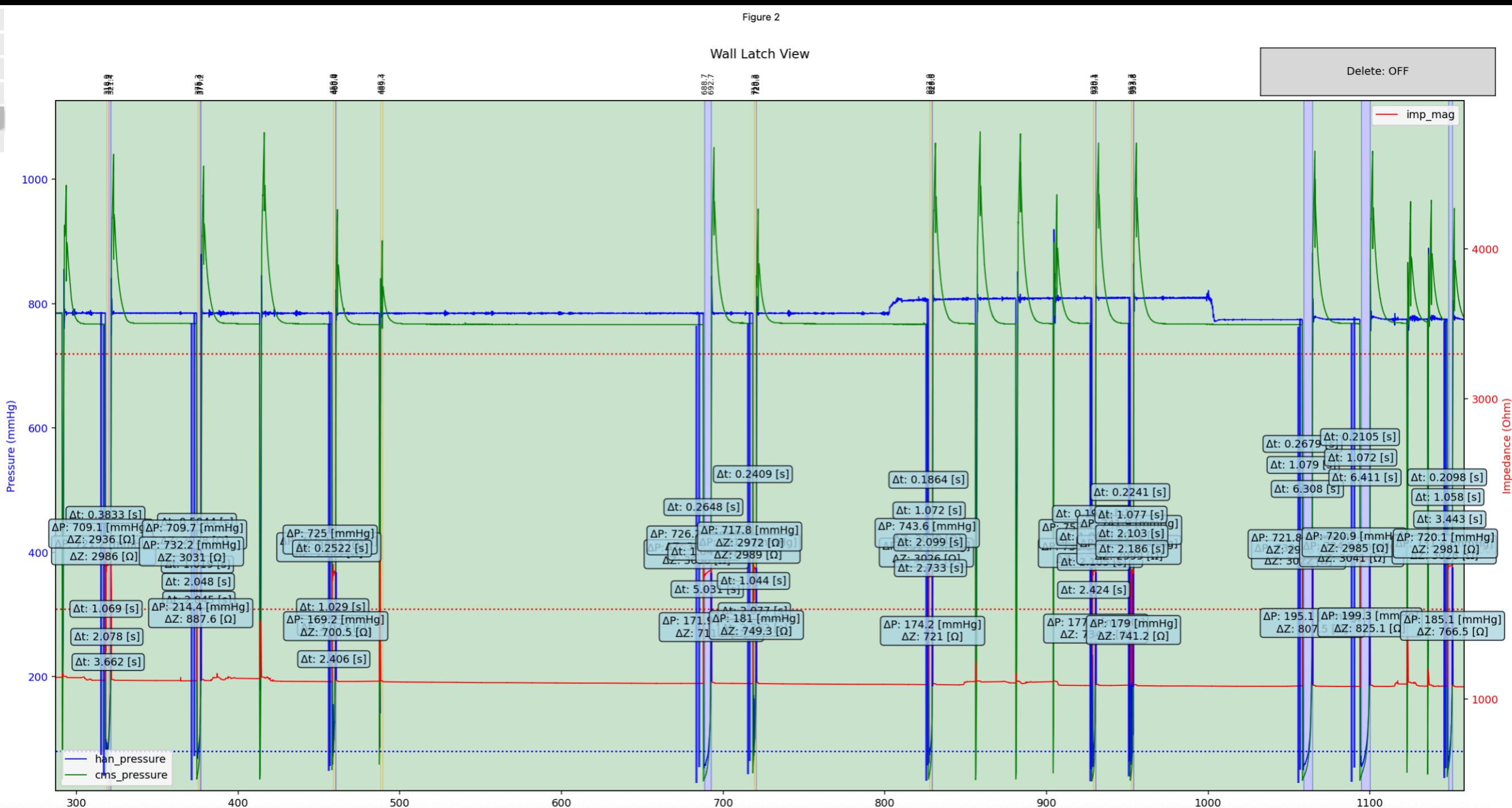
- Ketki Joshi - Thuy Nguyen :: 16F catheter tests performed (05, 08, 09).09.2025 to provide pressure/impedance data for timing/configuration tuning
- Videos available for Fri/Mon labs + handwritten notes by Thuy
- Files located in 'DataScience - Documents/Labs/Gen 3/202509(05, 08, 09)_wall_latch'

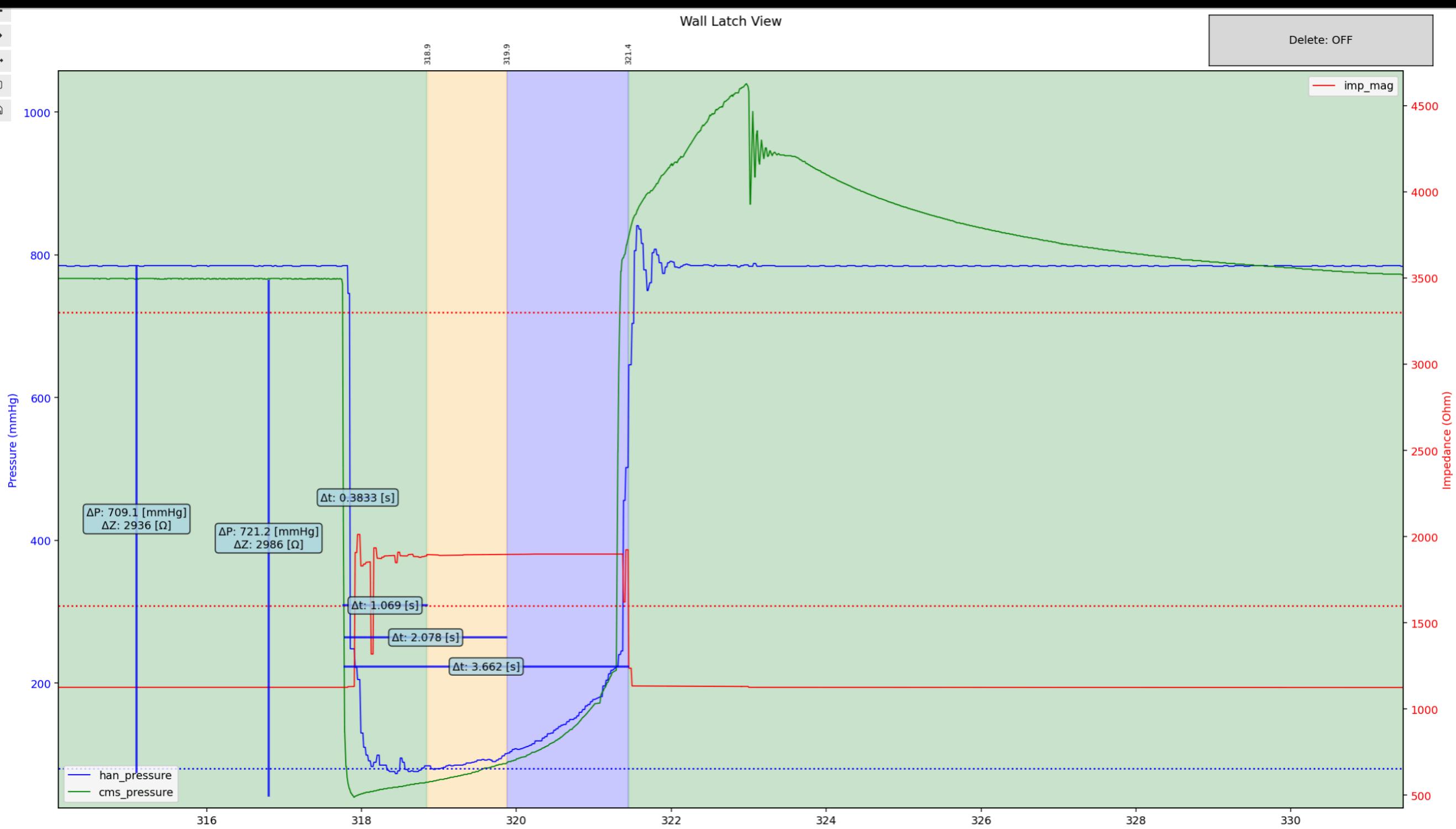
Wall Latch Events 16F

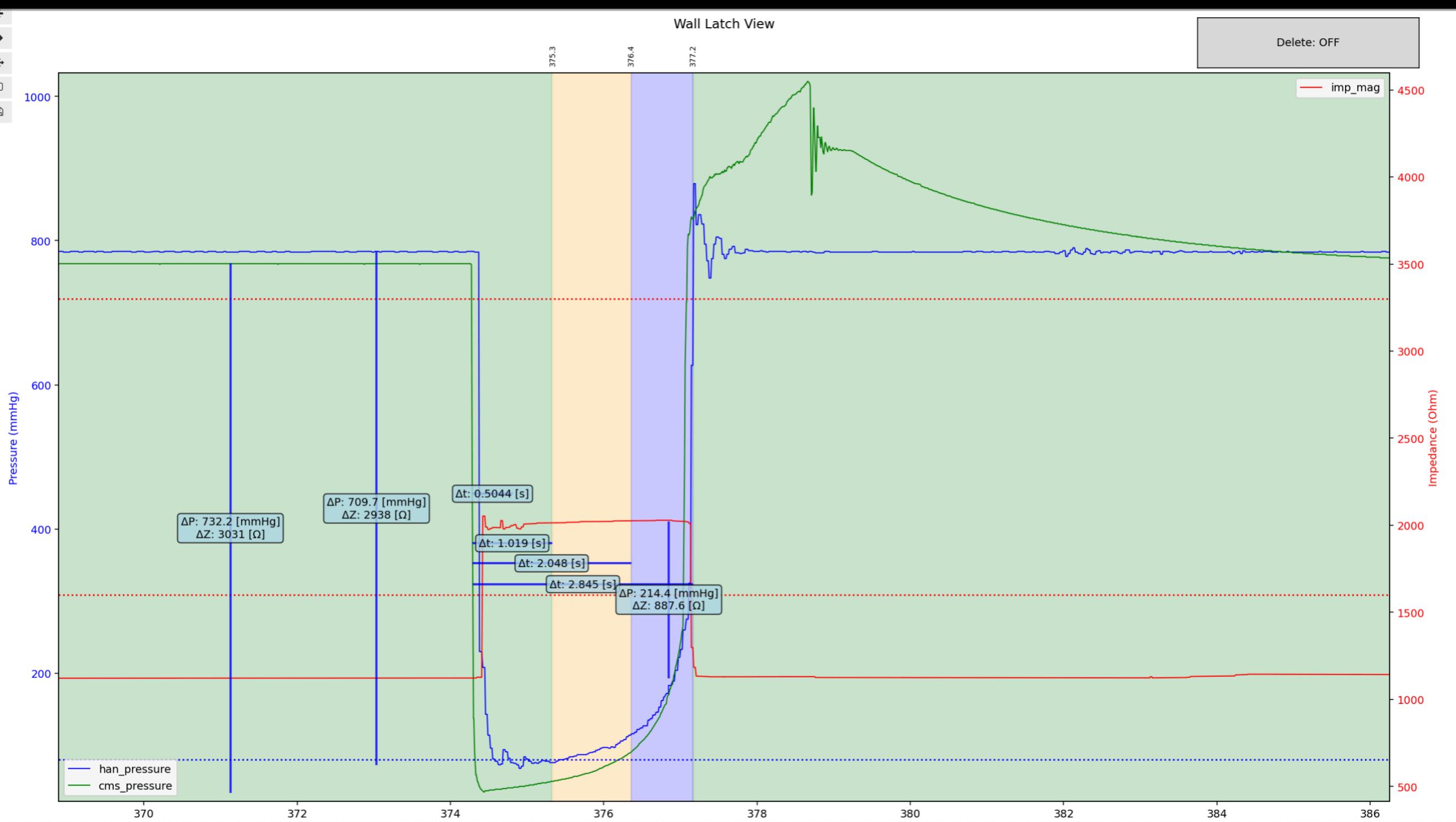
Events classified as wall-latch and latching interactions
by the detection algorithm for parameter tuning

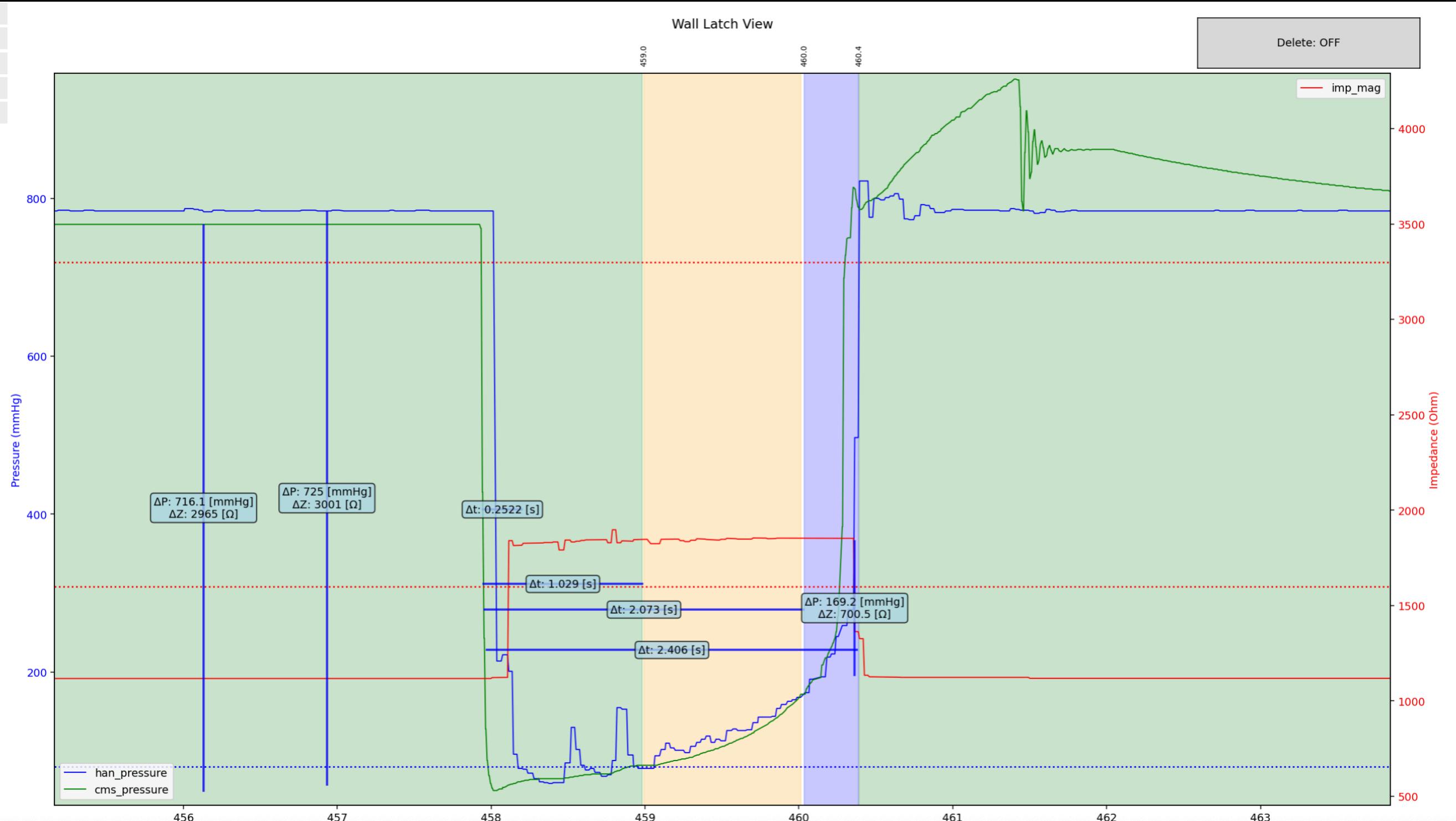
16F Lab :: 05.09.2025

Figure 2









Home Back Forward Plus Minus Zoom In Zoom Out

Figure 2

Wall Latch View

Delete: OFF

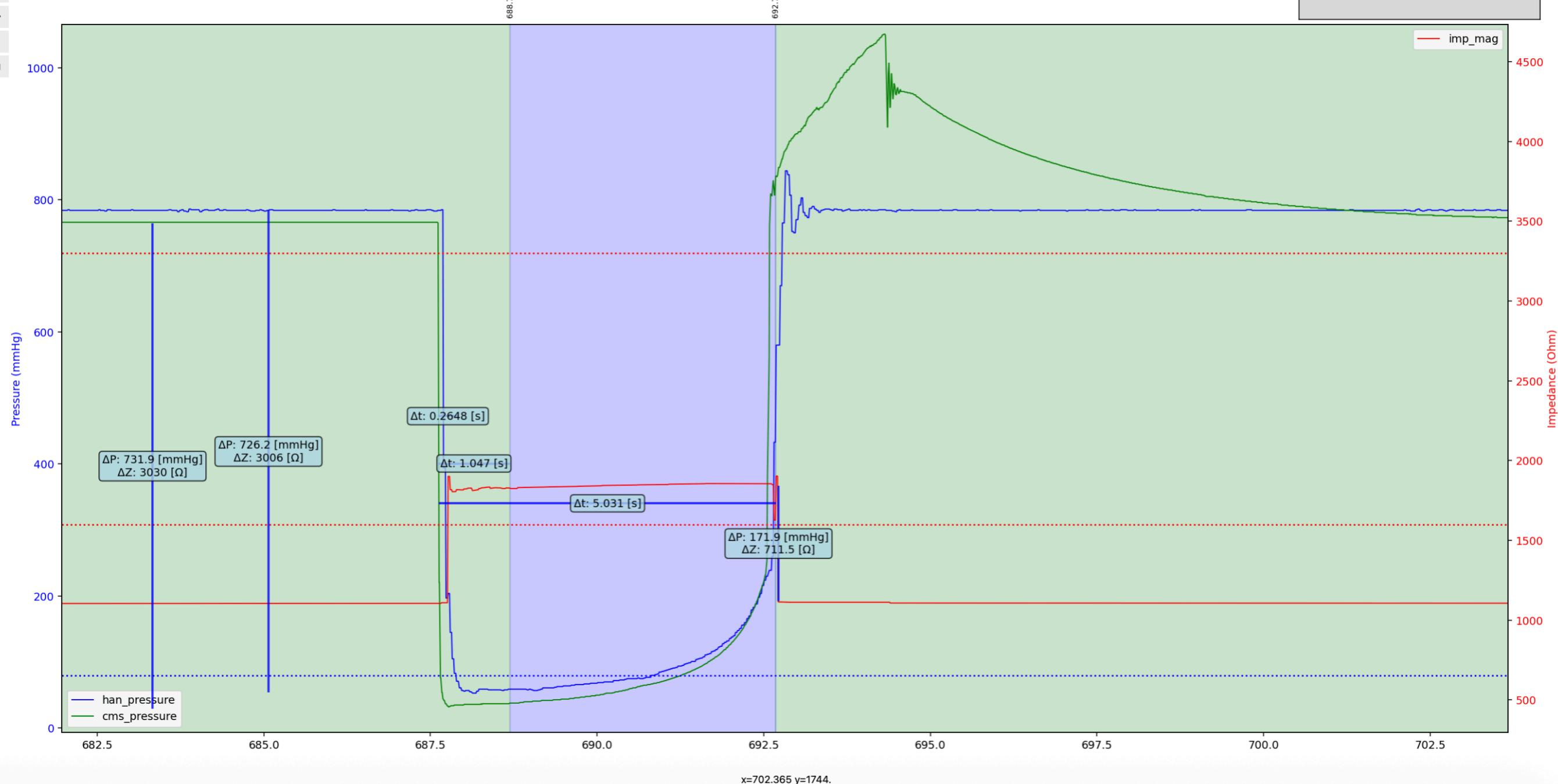


Figure 2

Wall Latch View

Delete: OFF

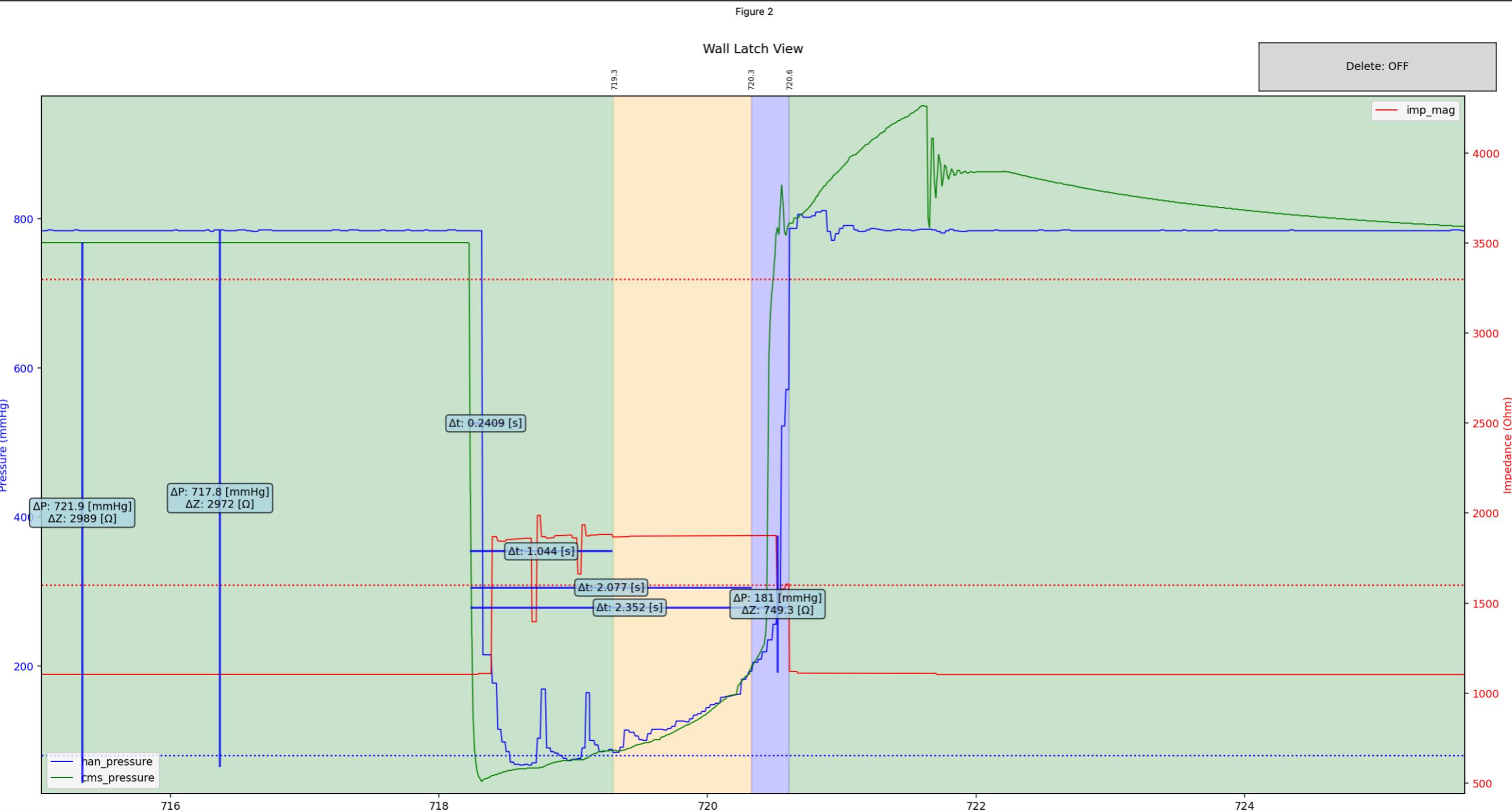


Figure 2

Wall Latch View

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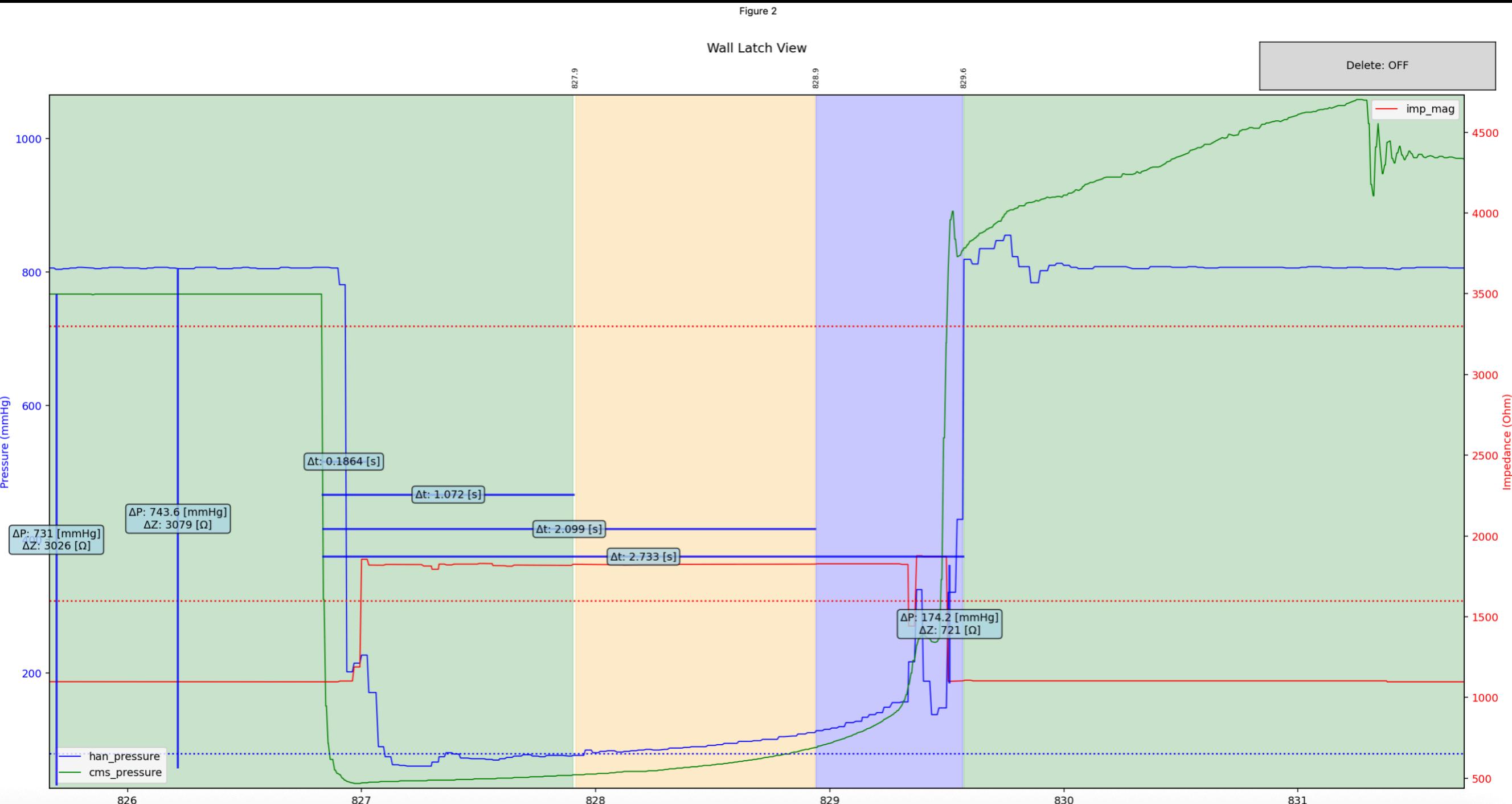
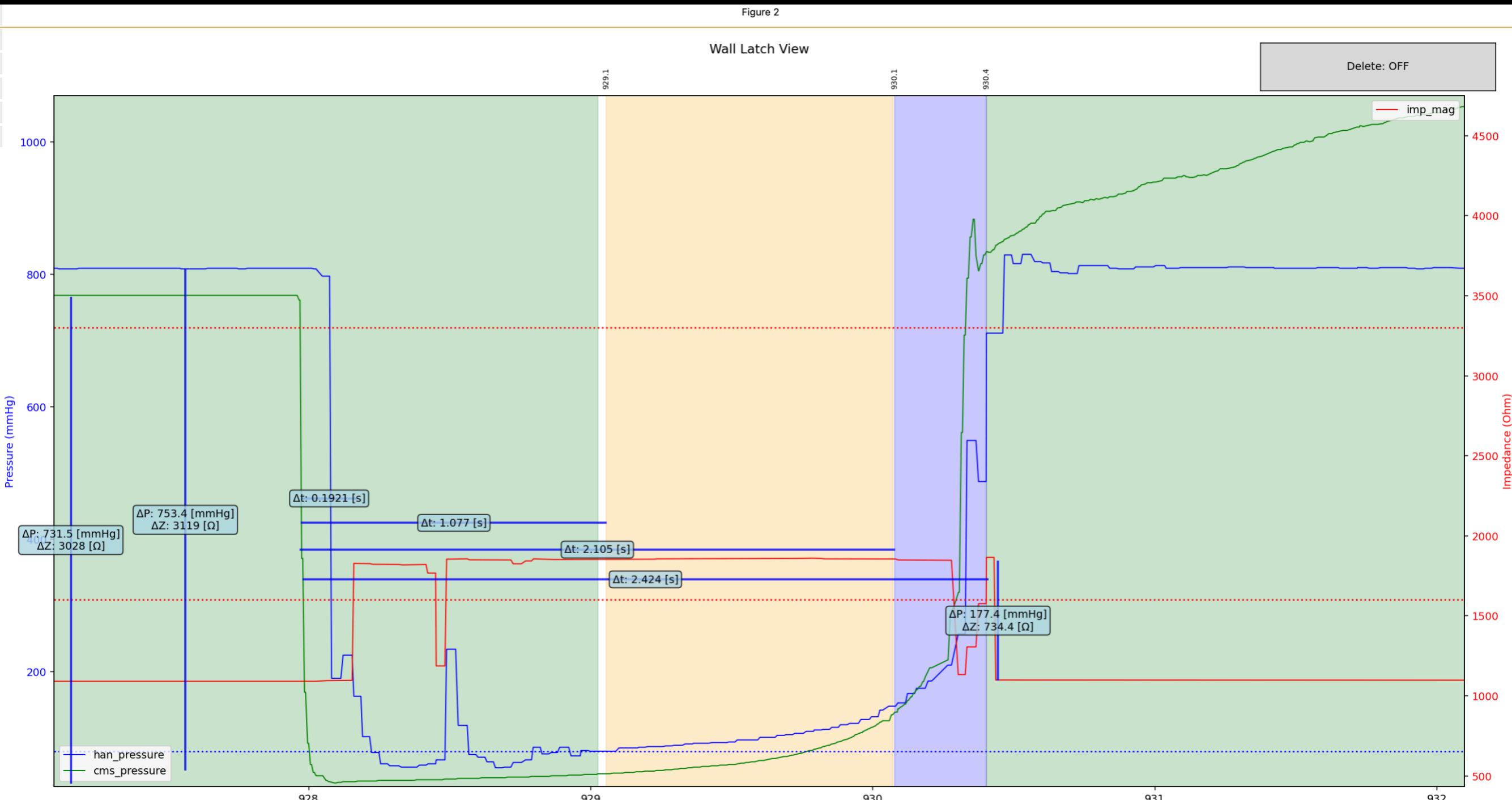


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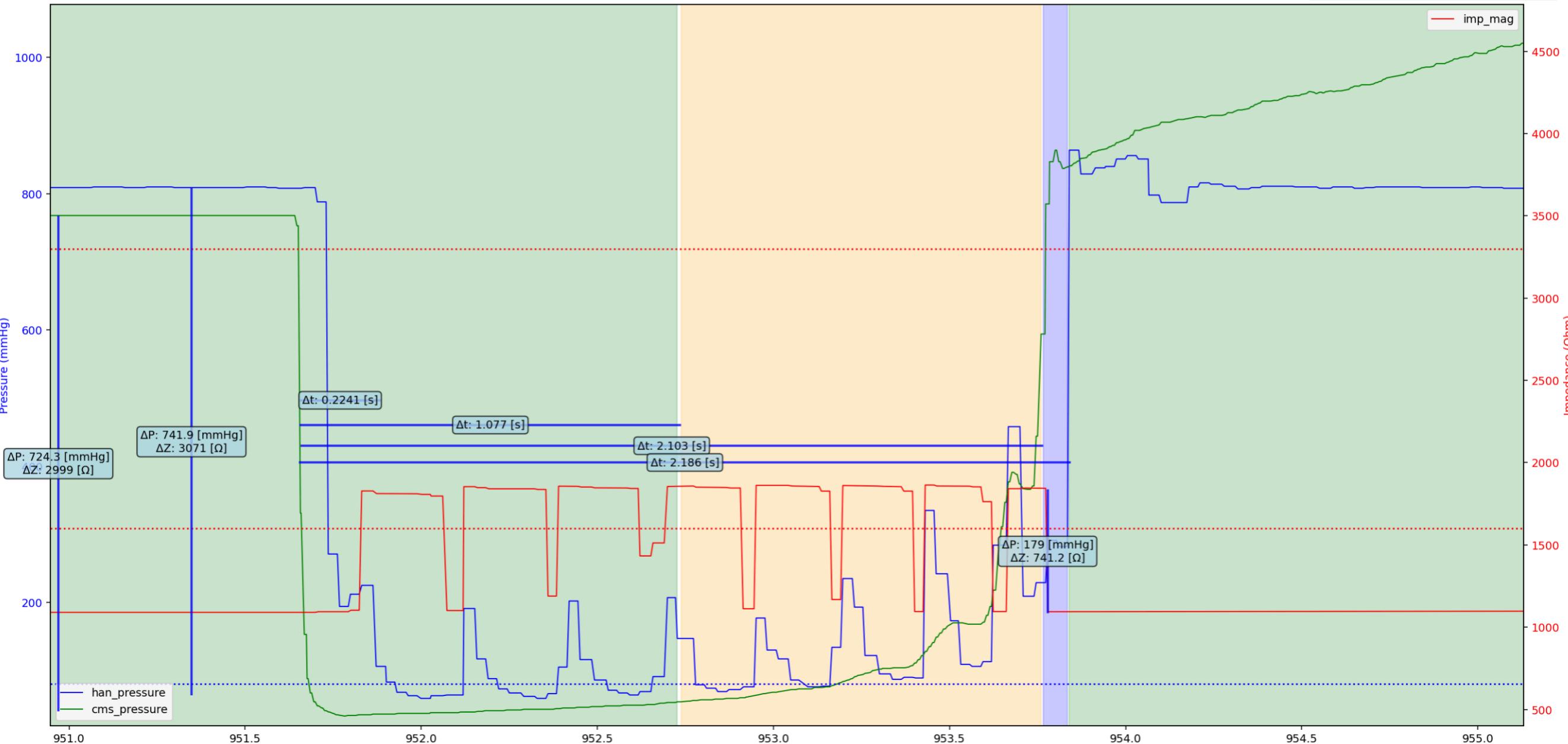
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Wall Latch View

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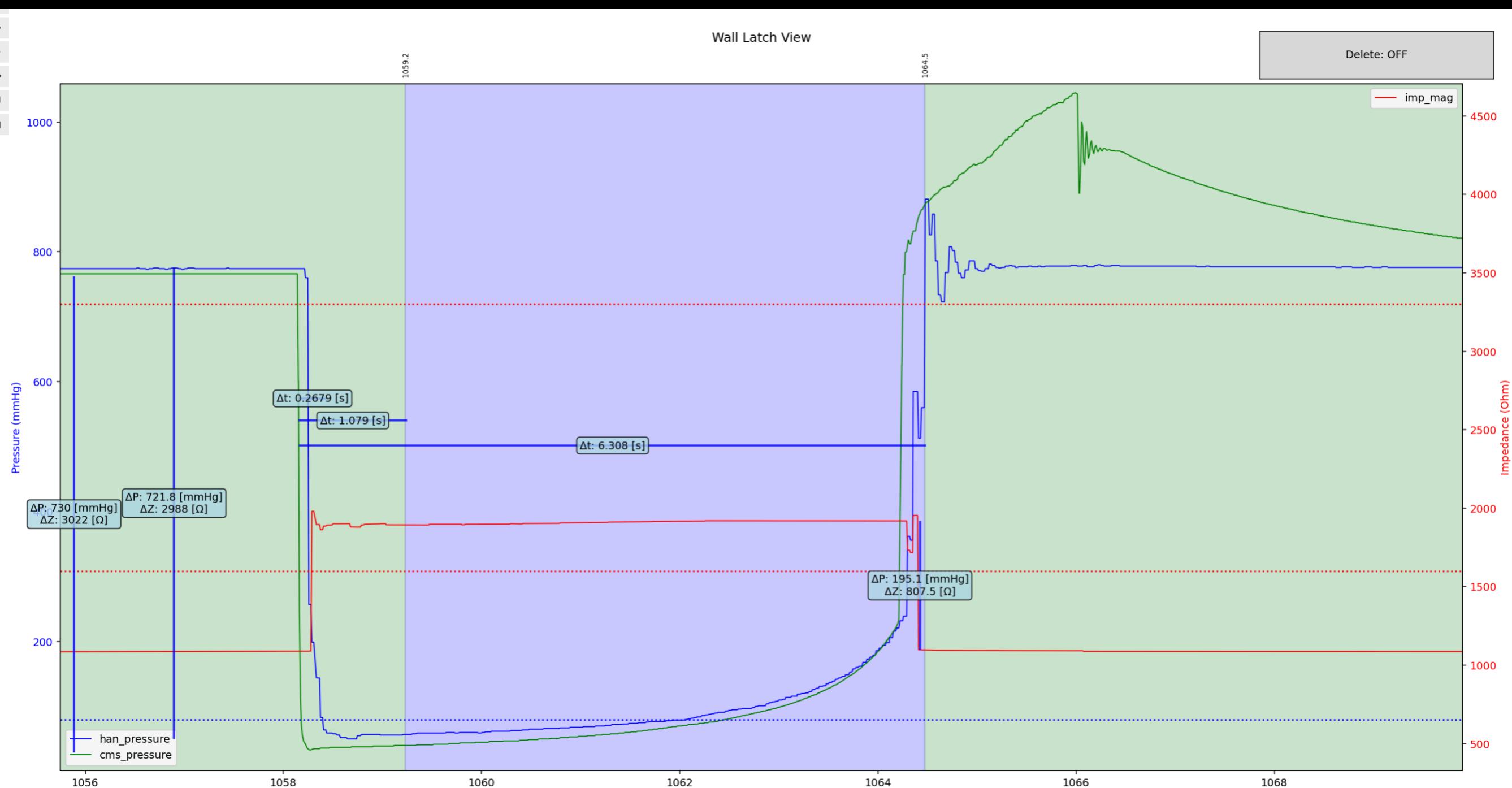


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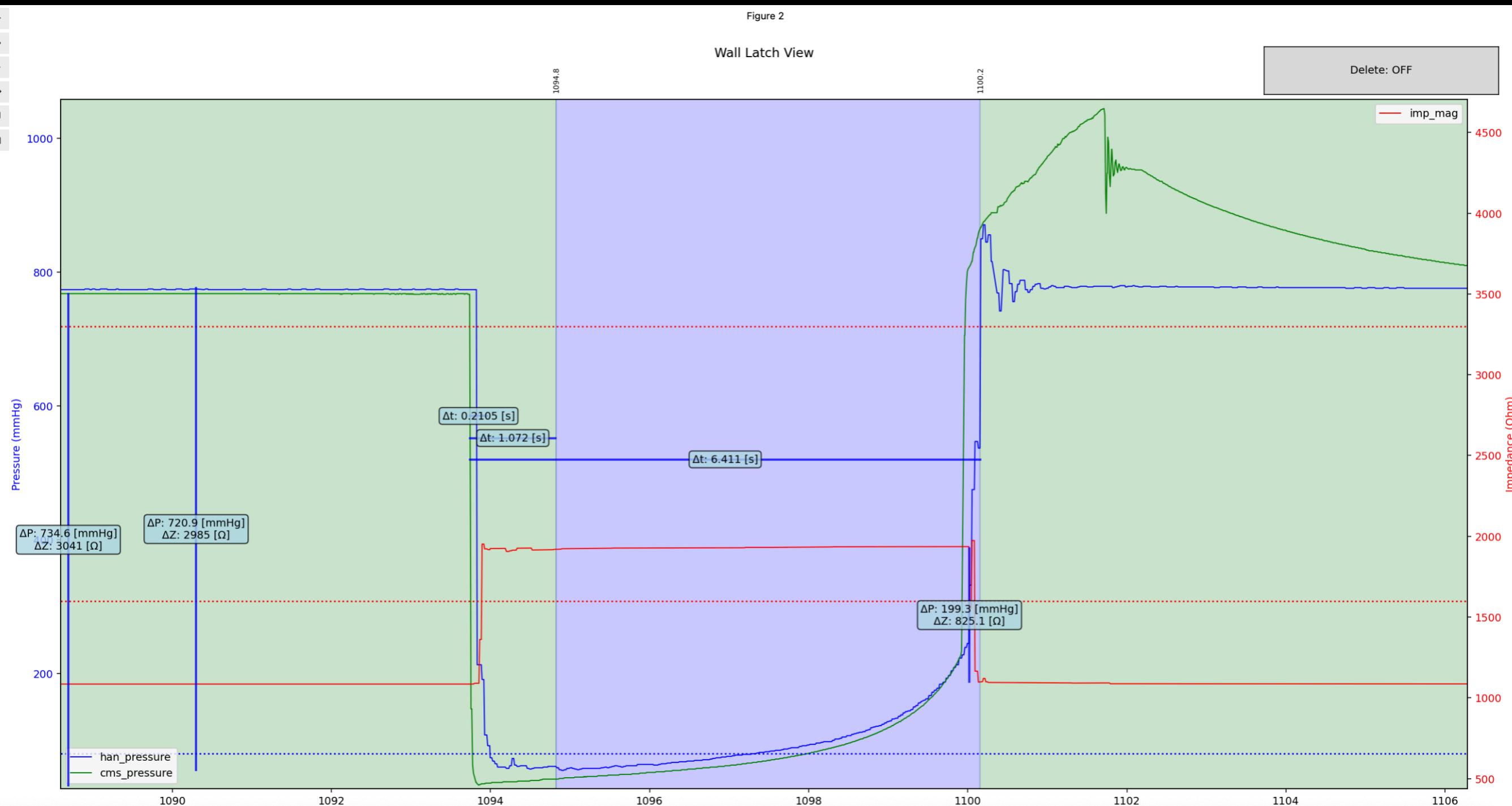
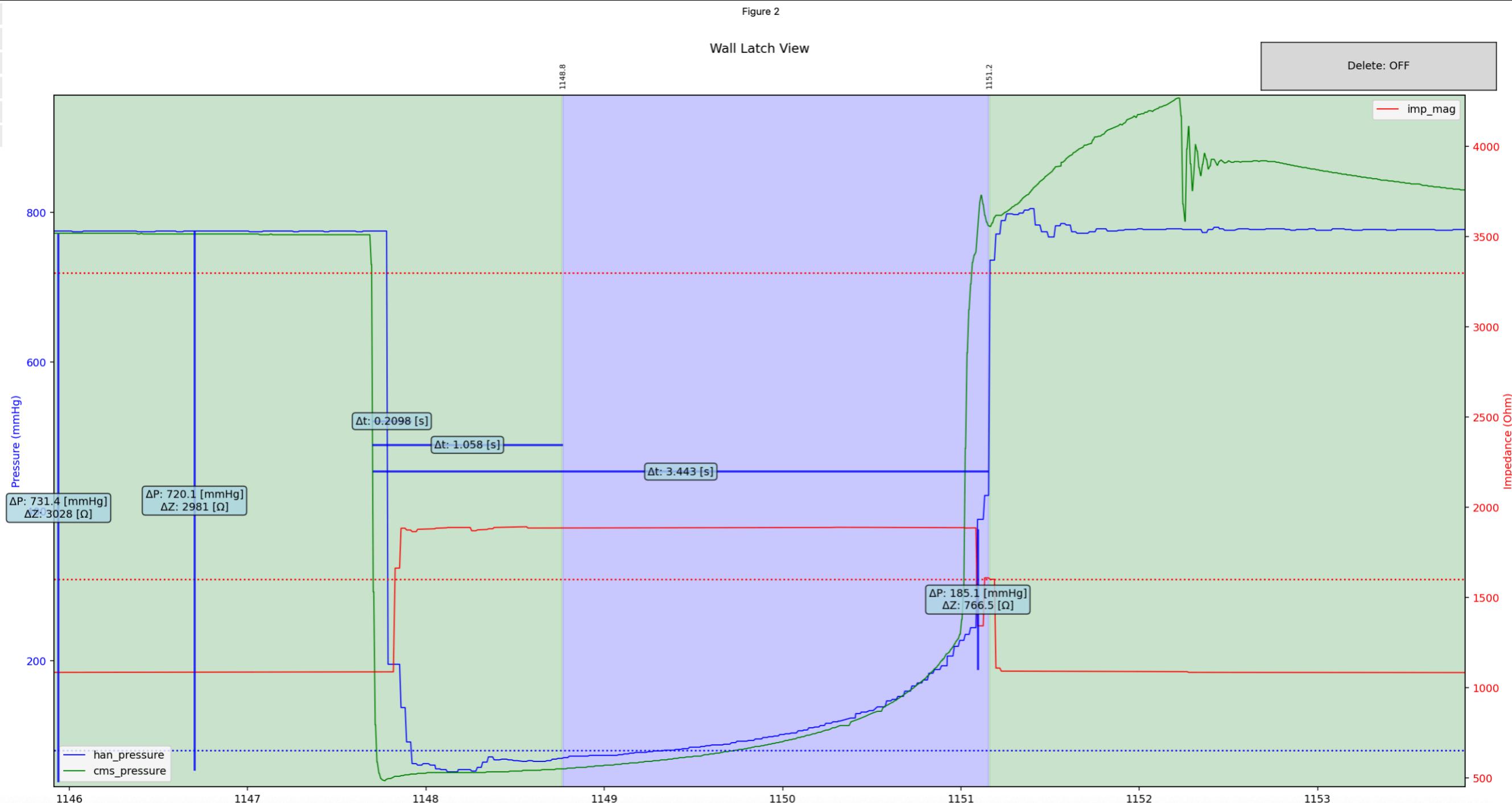


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Wall Latch View

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Measurements Summary

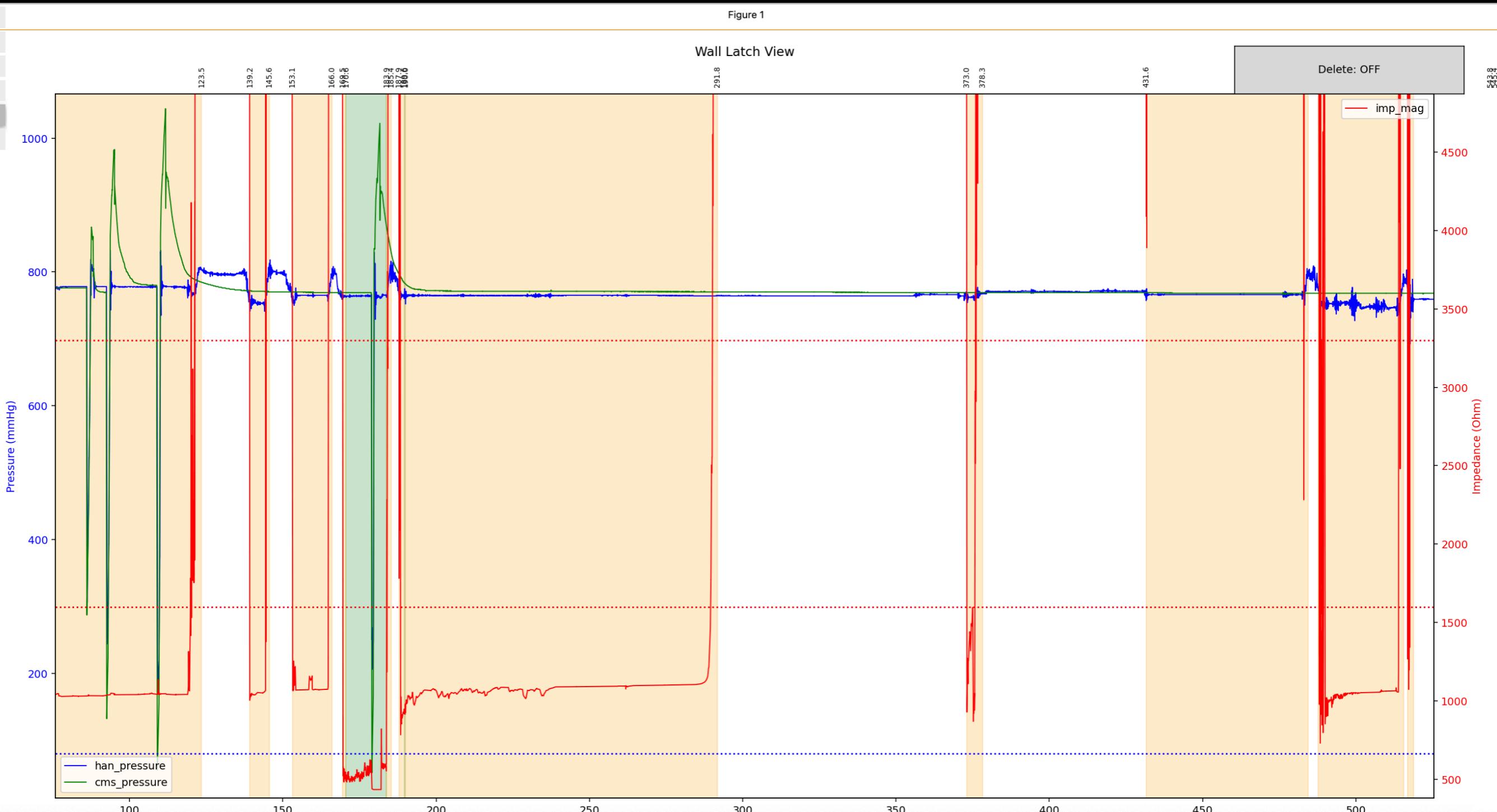
Time Range (s)	P_cms_initial (mmHg)	Z_cms_initial (Ω)	P_han_initial (mmHg)	Z_han_initial (Ω)	P_latch (mmHg)	Z_latch (Ω)	Δt_{to_state1} (s)	$\Delta t_{to_imp_rise}$ (s)	Δt_{total} (s)	Other Δt (s)
~231-233	670.1	2772	706	2920	84.94	351.3	0.2564	1.093	2.114	N/A
~271-274	722.4	2988	717.9	2969	129.8	537	0.2966	1.068	2.815	N/A
~304-310	732.8	3031	737.4	3050	109.2	451.5	0.189	1.034	5.747	N/A
~323-329	725.8	3002	744.1	3078	120	496.4	0.2203	1.057	6.023	N/A
~351-353	678.5	2806	735.3	3041	118.3	489.3	0.2532	1.08	2.09	N/A
~384-400	738.8	3056	737.6	3051	214.6	887.7	N/A	1.012	15.91	N/A
~466-476	728	3011	739.7	3059	206.2	852.8	0.7077	1.032	9.725	N/A
~517-520	674.6	2790	740.2	3062	154.6	639.4	0.2592	1.057	2.082	1.357 , 1.514
~627-631	755.6	3125	738.1	3053	127.3	526.5	0.2609	1.044	N/A	0.161 , 3.563 , 3.48 , 3.591
~657-661	749.4	3100	738.9	3056	115.4	477.2	0.3746	1.052	N/A	0.1431 , 3.843 , 3.654
~697-700	733.9	3036	736.2	3045	98.24	406.3	0.2526	1.061	N/A	0.1826 , 2.988 , 2.895
~753-757	759	3139	745	3081	134.1	554.5	0.2642	1.052	3.626	0.1658
~853-879	735.5	3042	728.3	3012	213	881.1	N/A	0.9806	26.55	0.1177 , 0.6668
~959-976	742.8	3072	728.8	3014	255.7	1058	0.339	1.032	17.06	N/A
~999-1010	733	3032	724.7	2997	191	789.8	0.3675	1.007	9.705	0.09528
~1041-1056	737.6	3051	719.8	2977	191.8	793.3	0.2496	1.012	15.5	0.1525

Not verified, automatically extracted from figures

16F Lab :: 08.09.2025

Figure 1

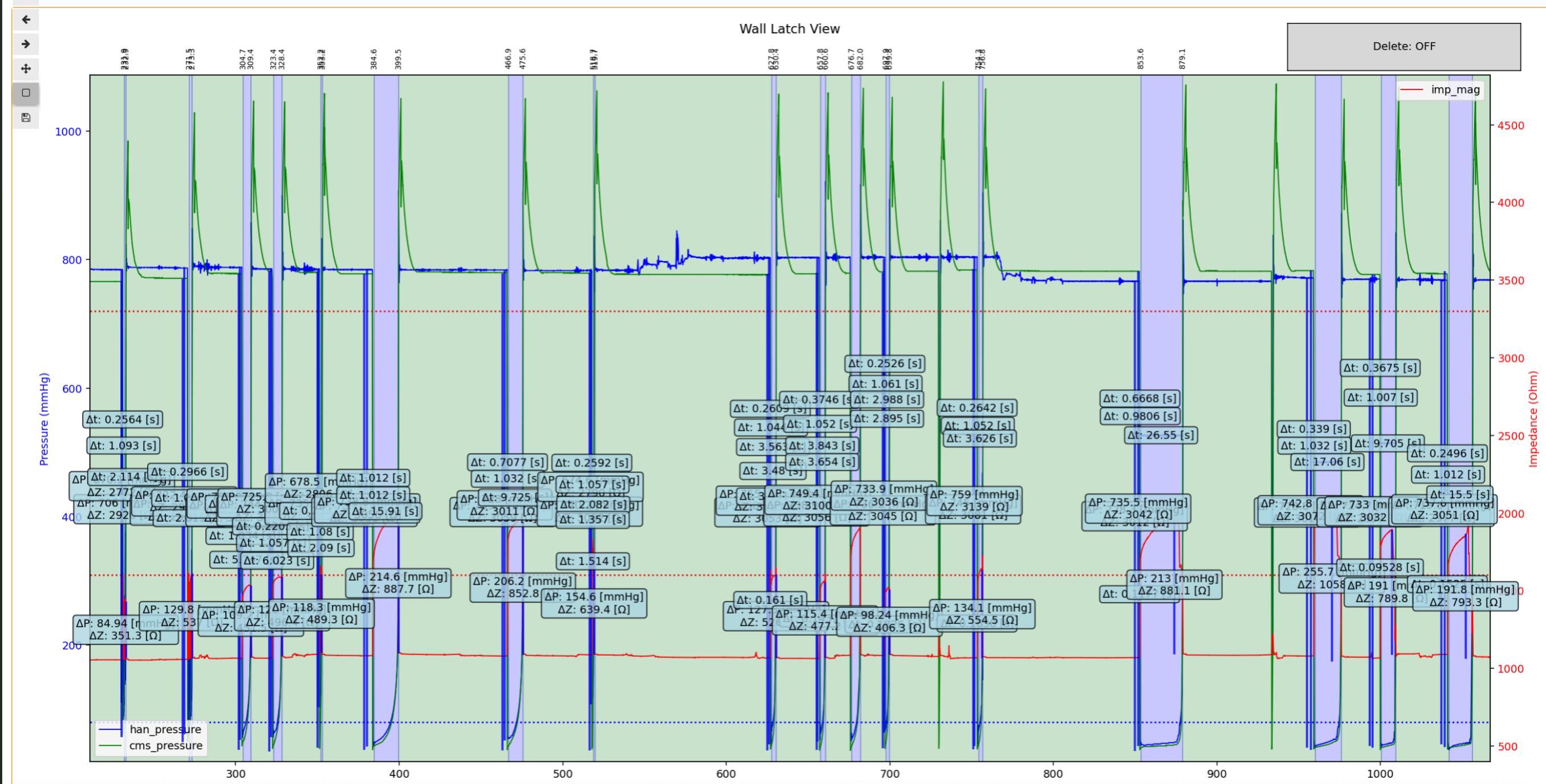
Wall Latch View

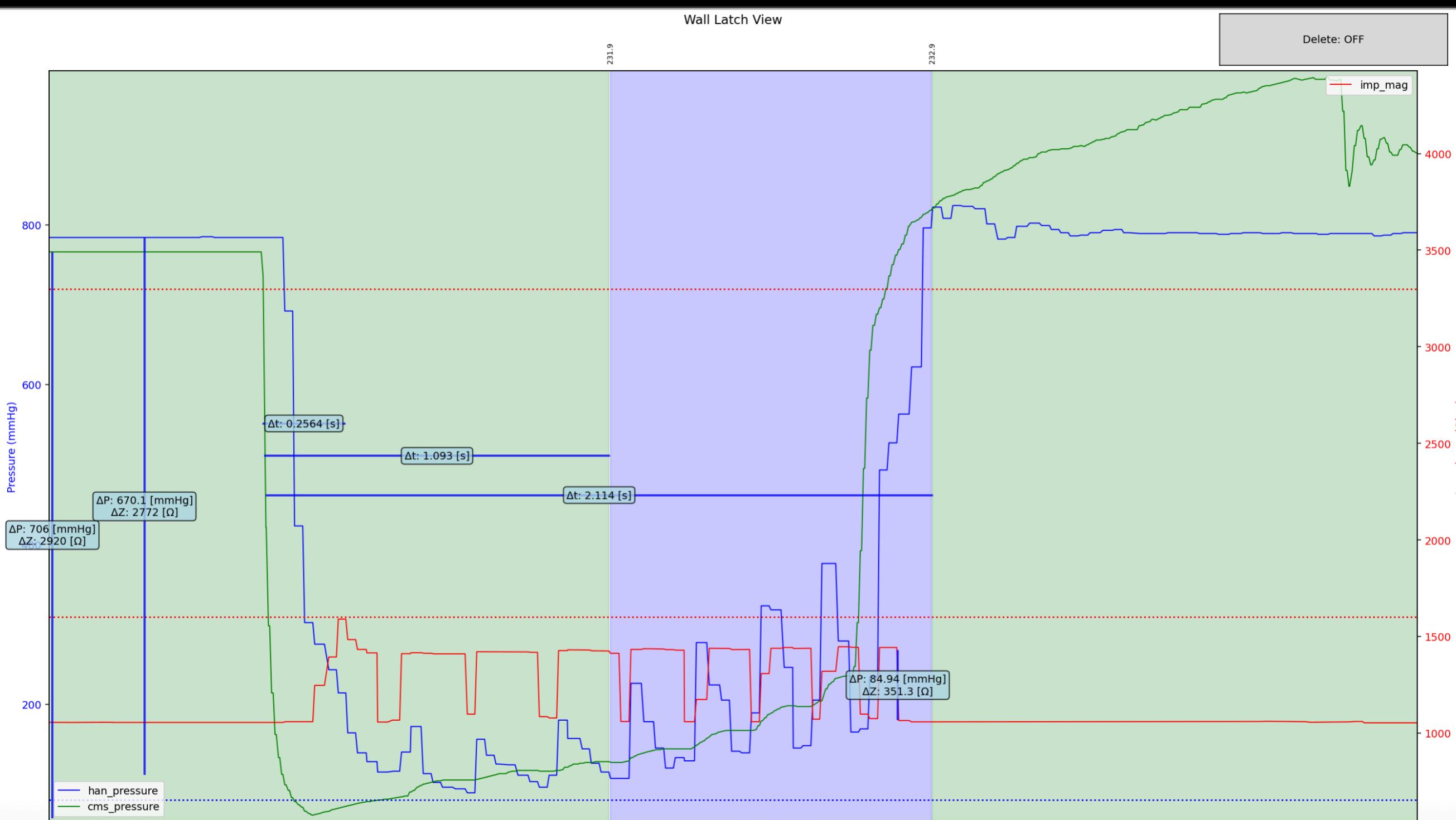


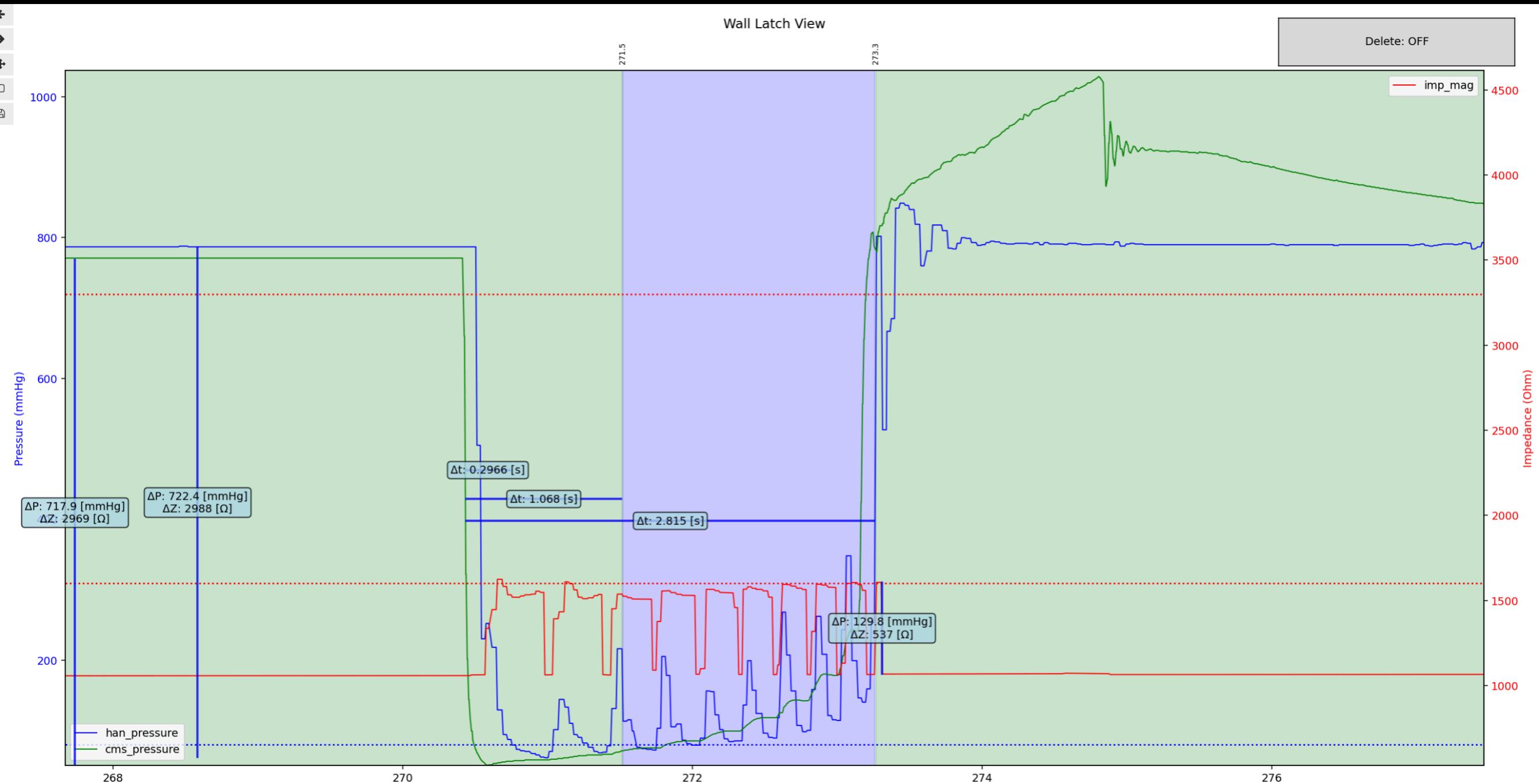
Data from lab unusable...

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Figure 4



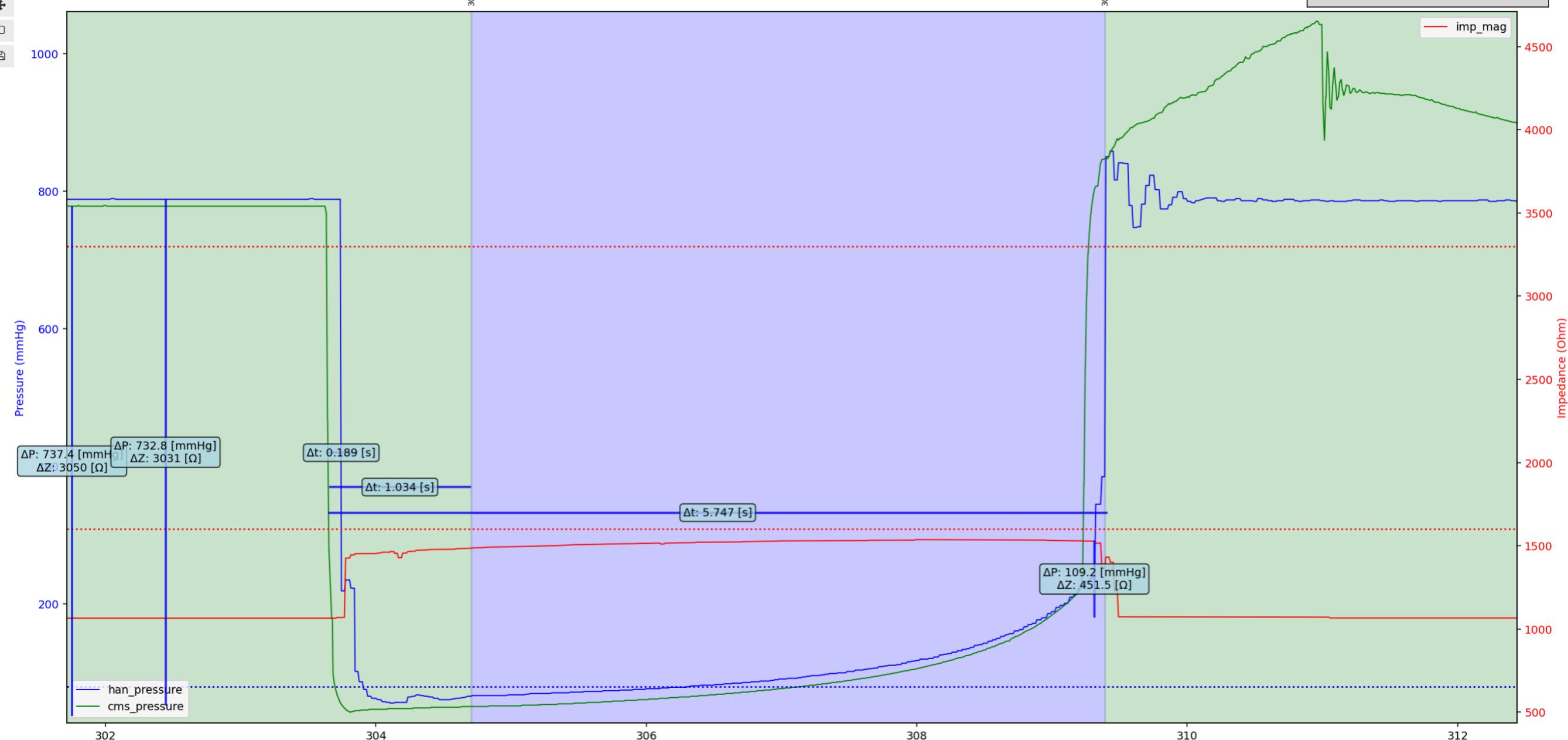


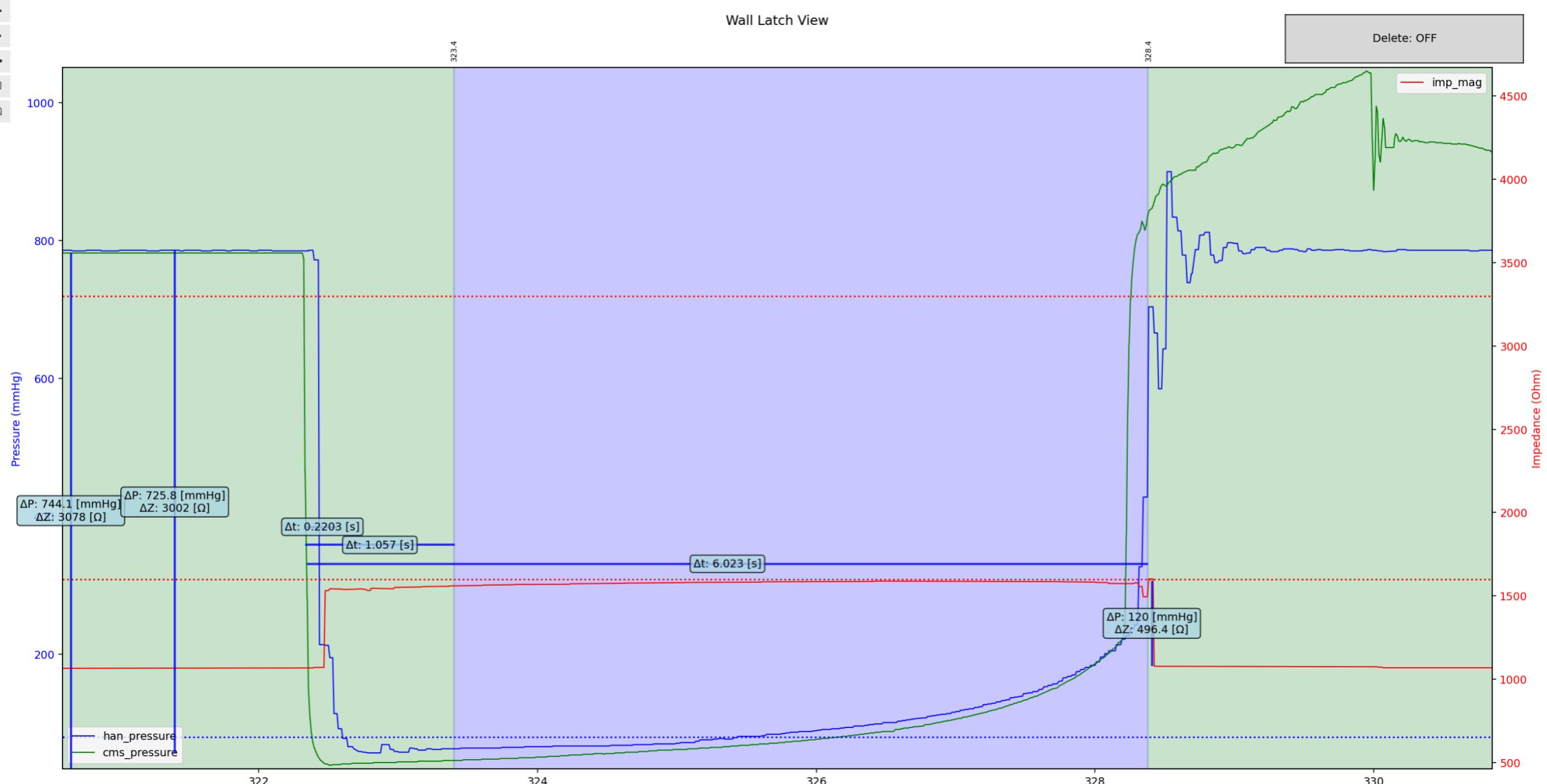


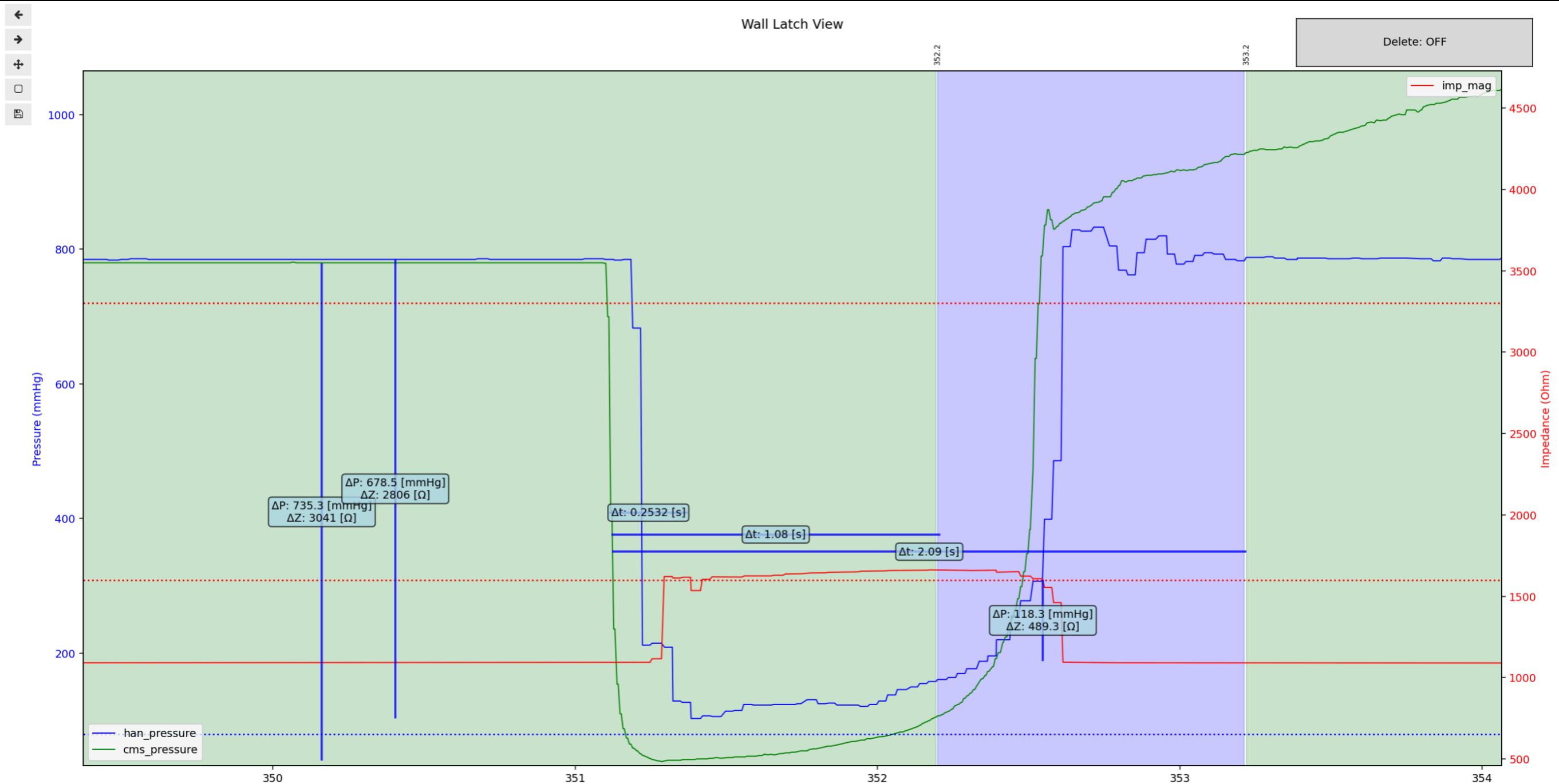
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Wall Latch View

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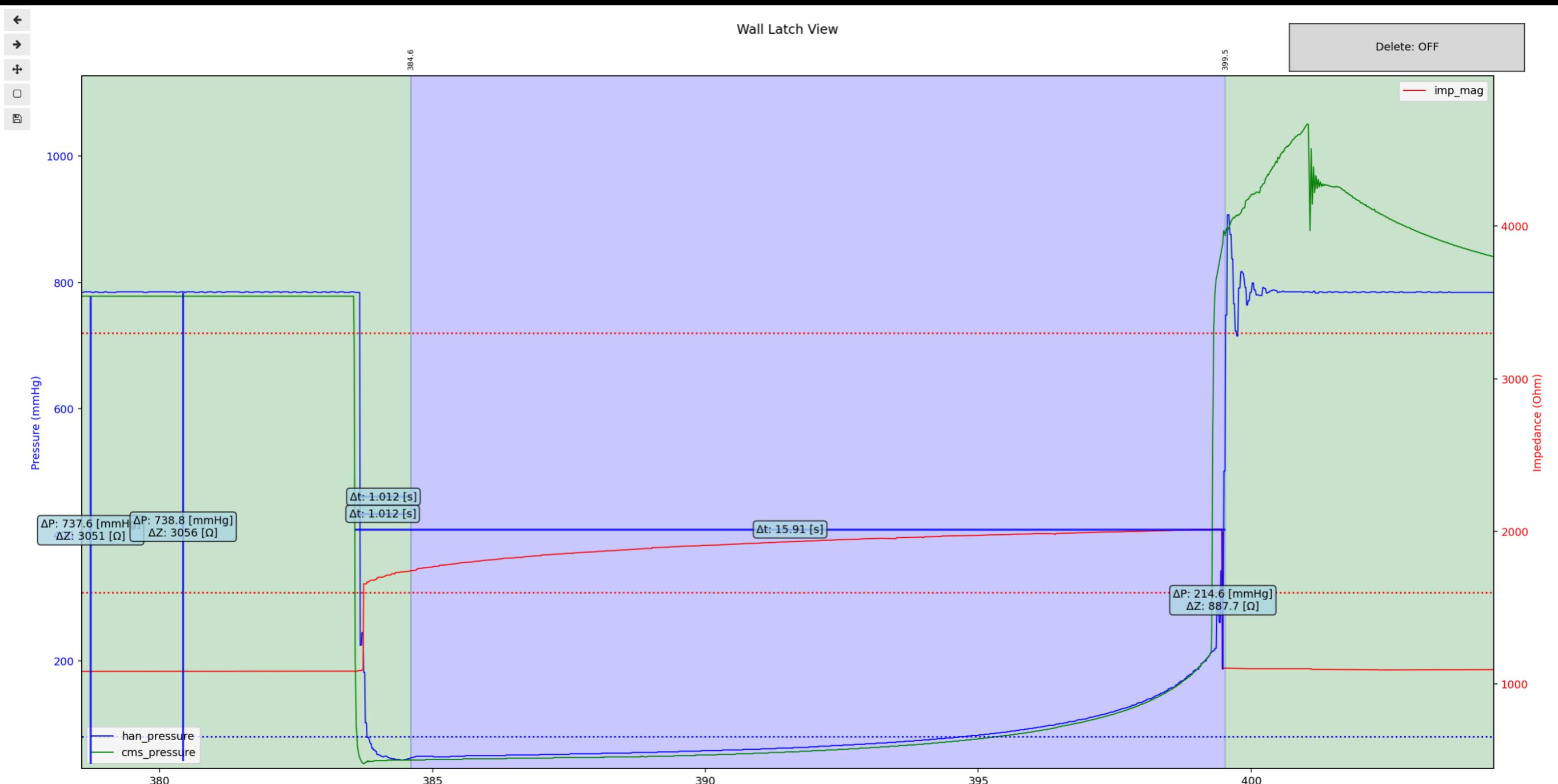


Figure 4

Wall Latch View

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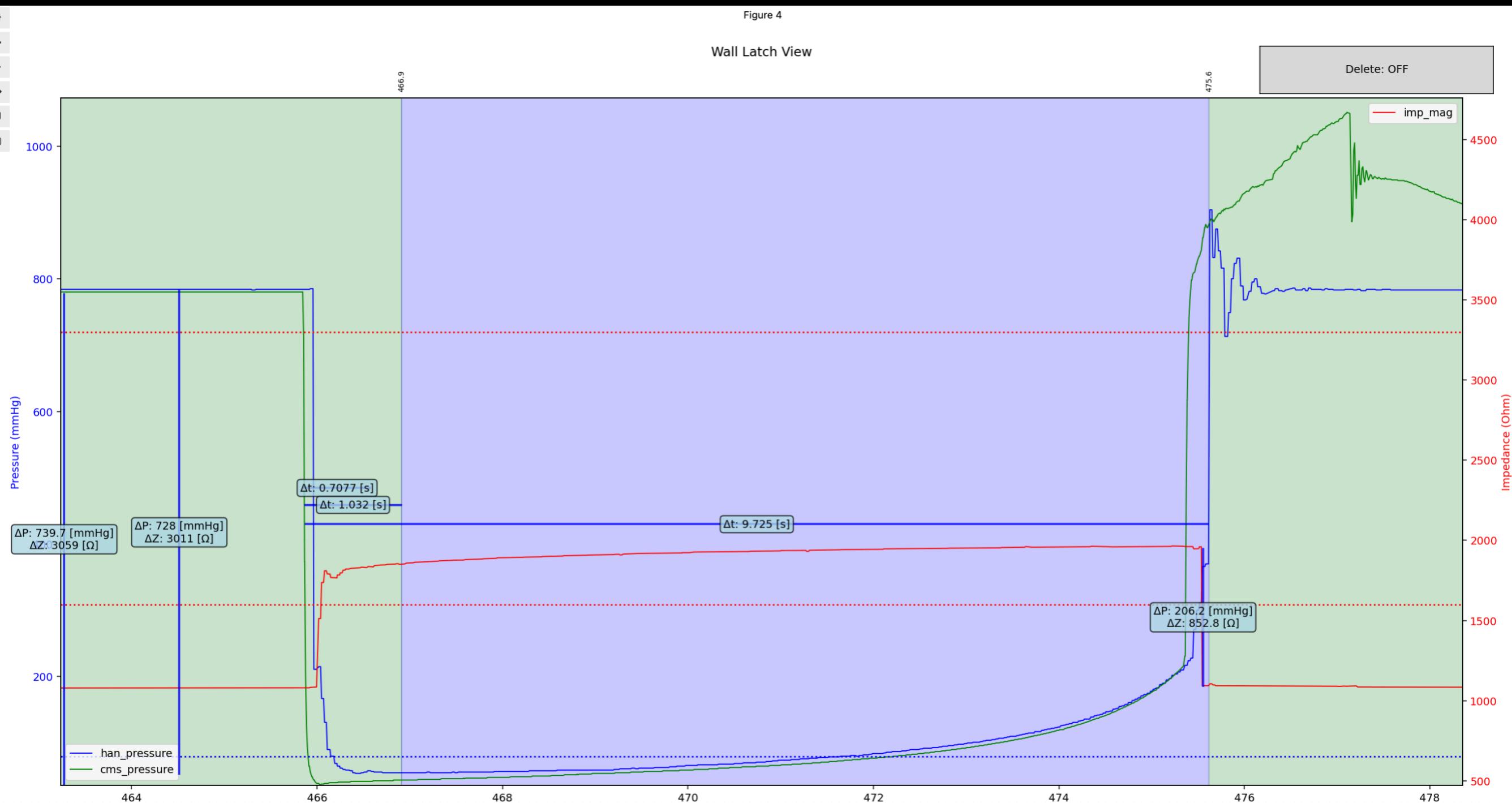


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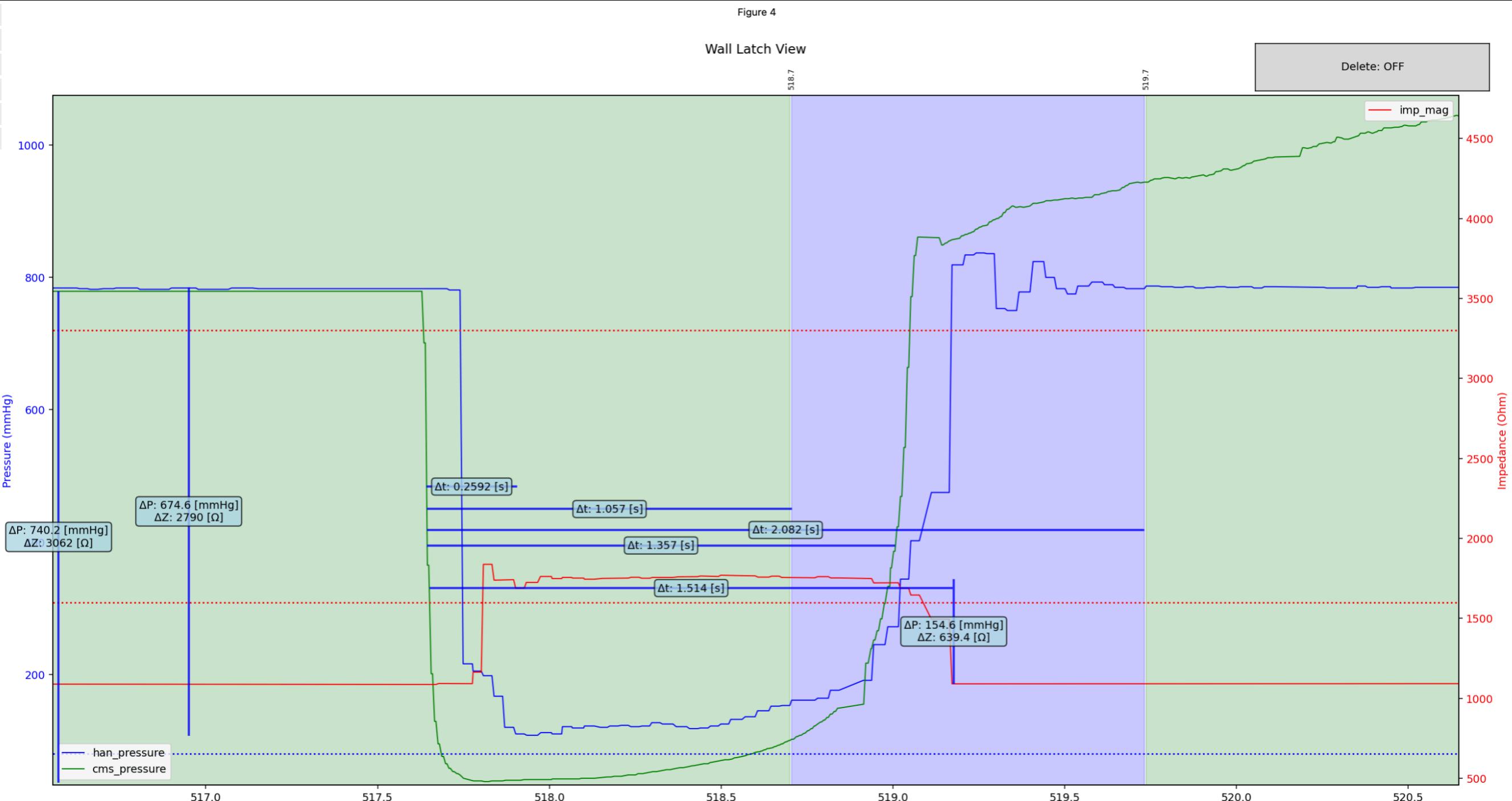


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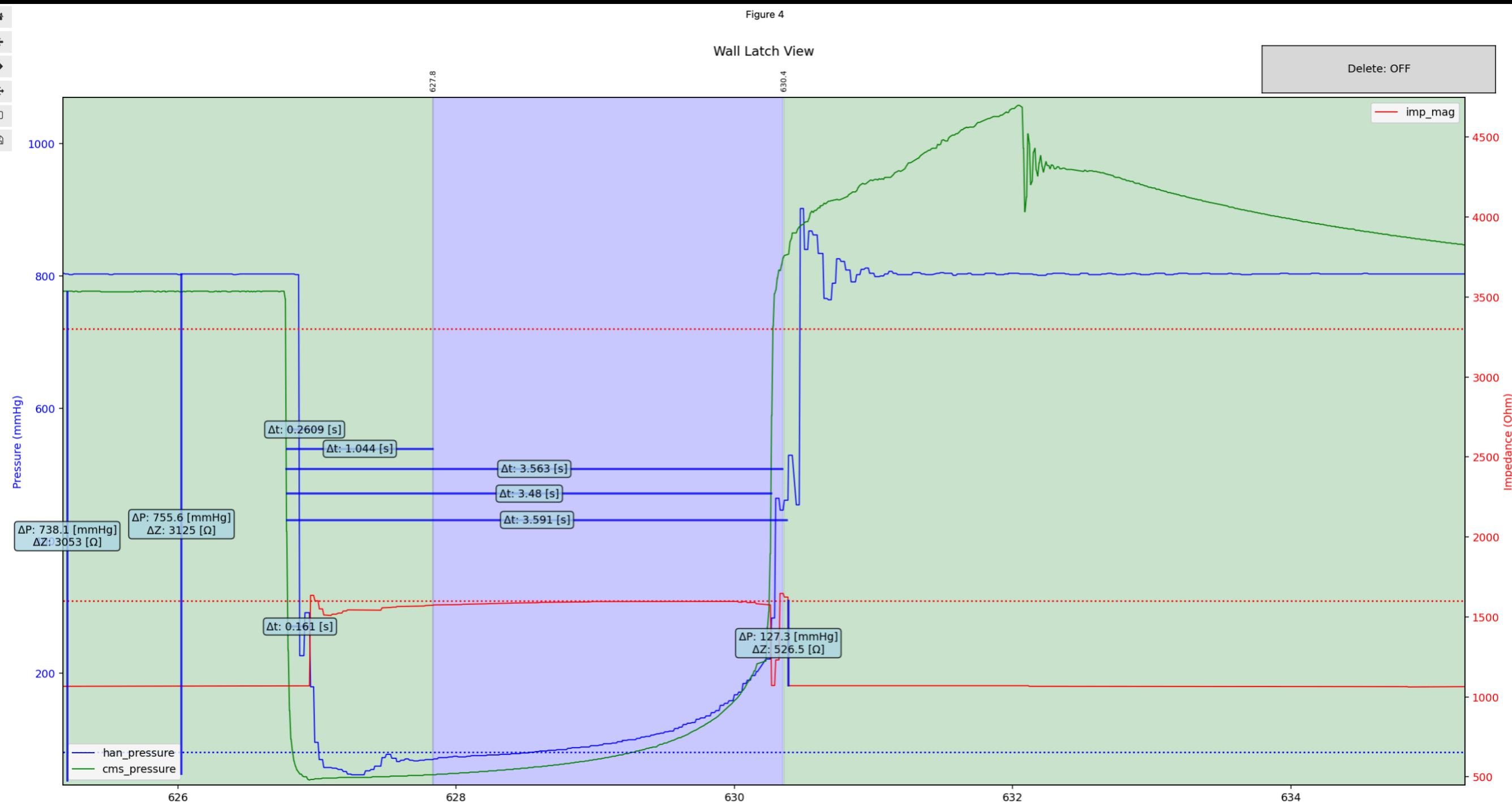


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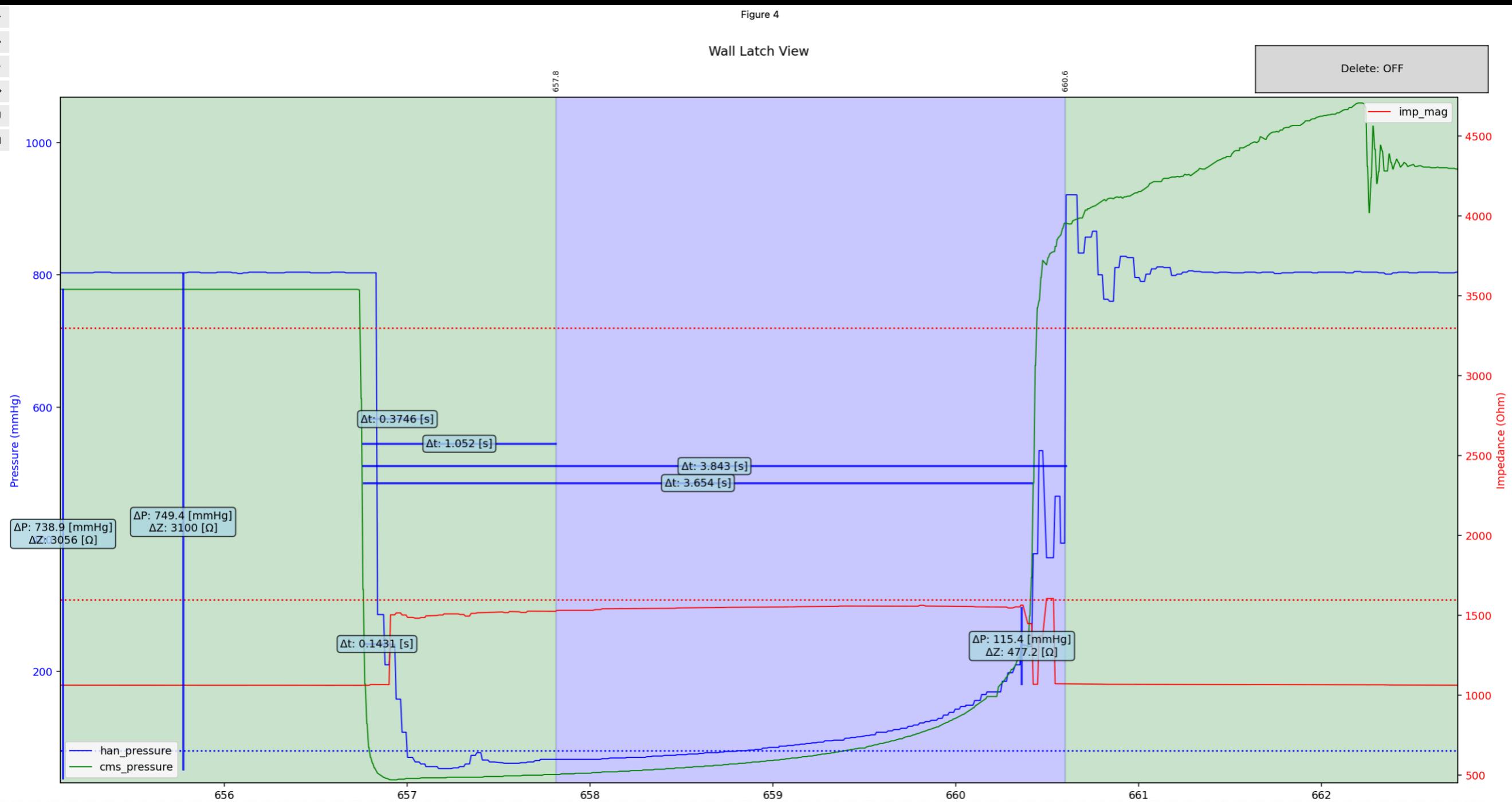


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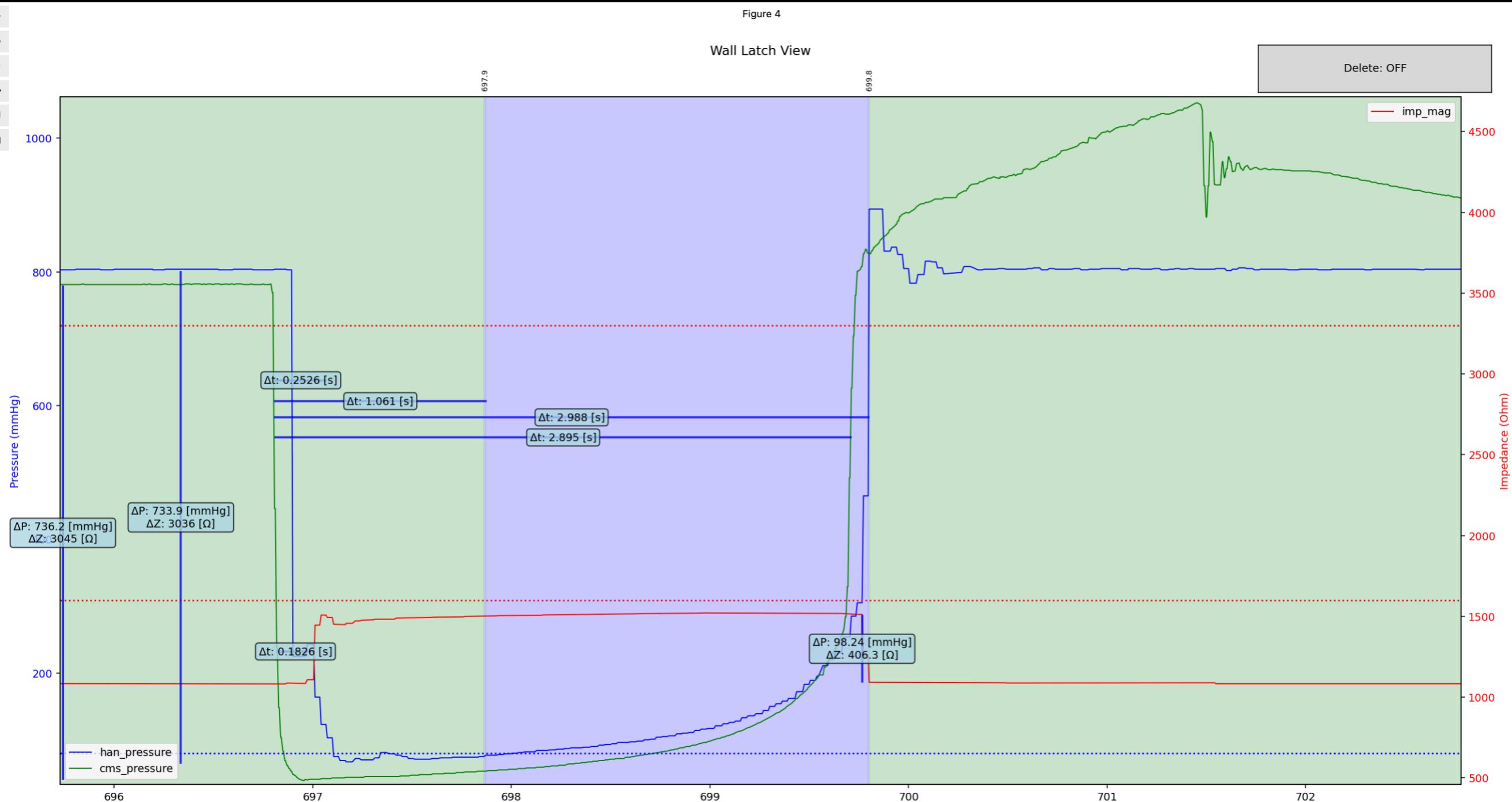


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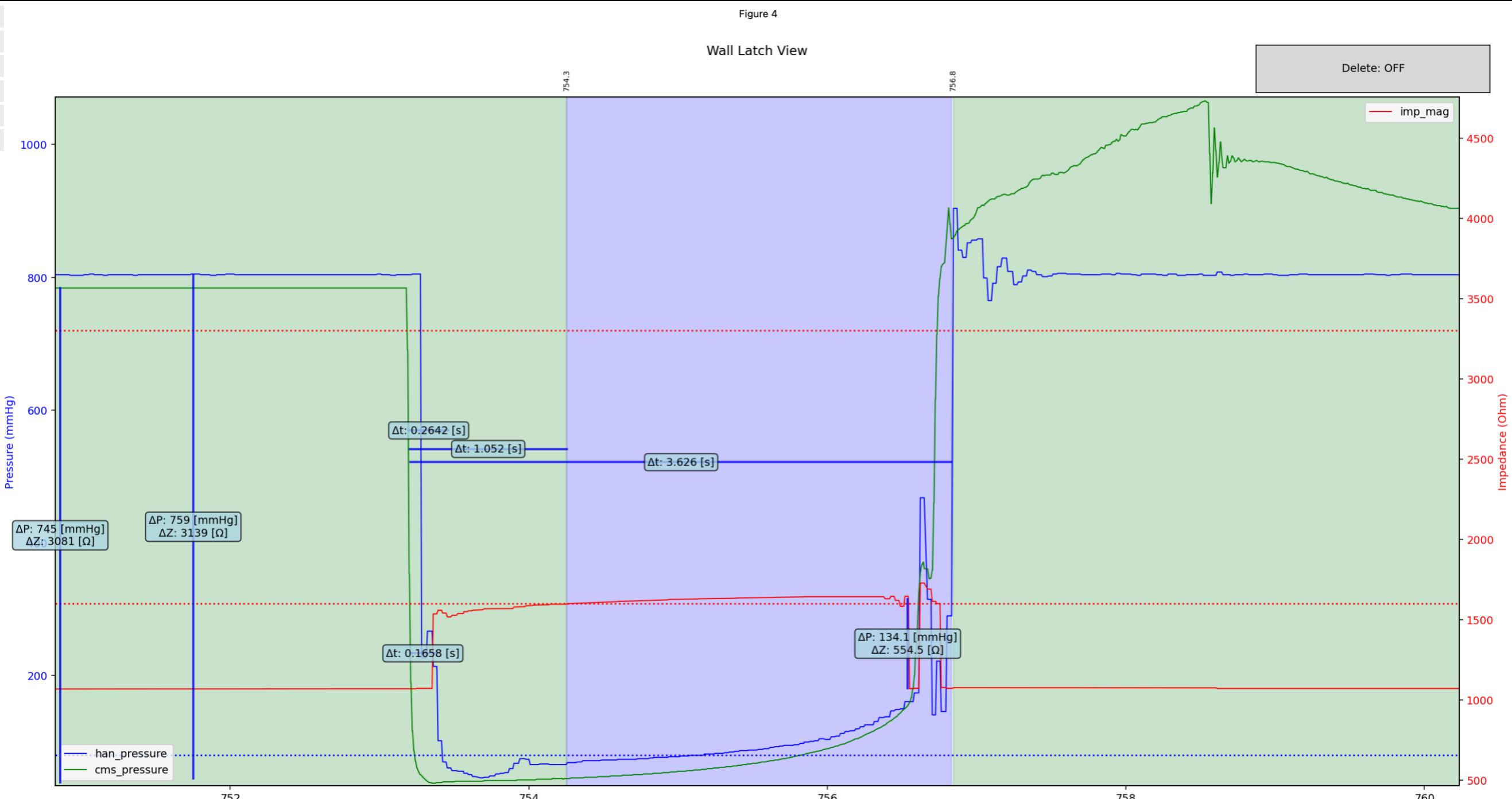


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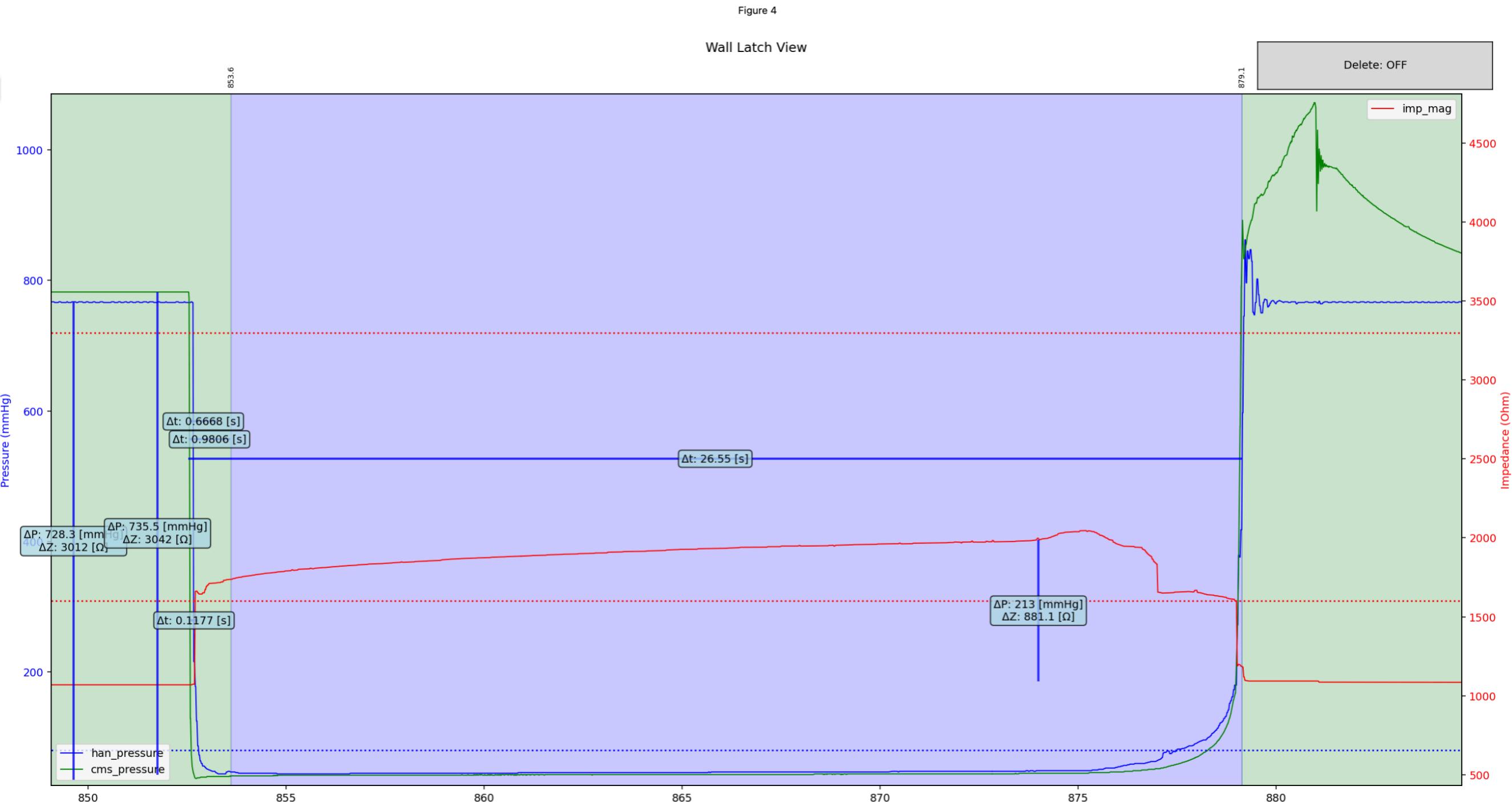


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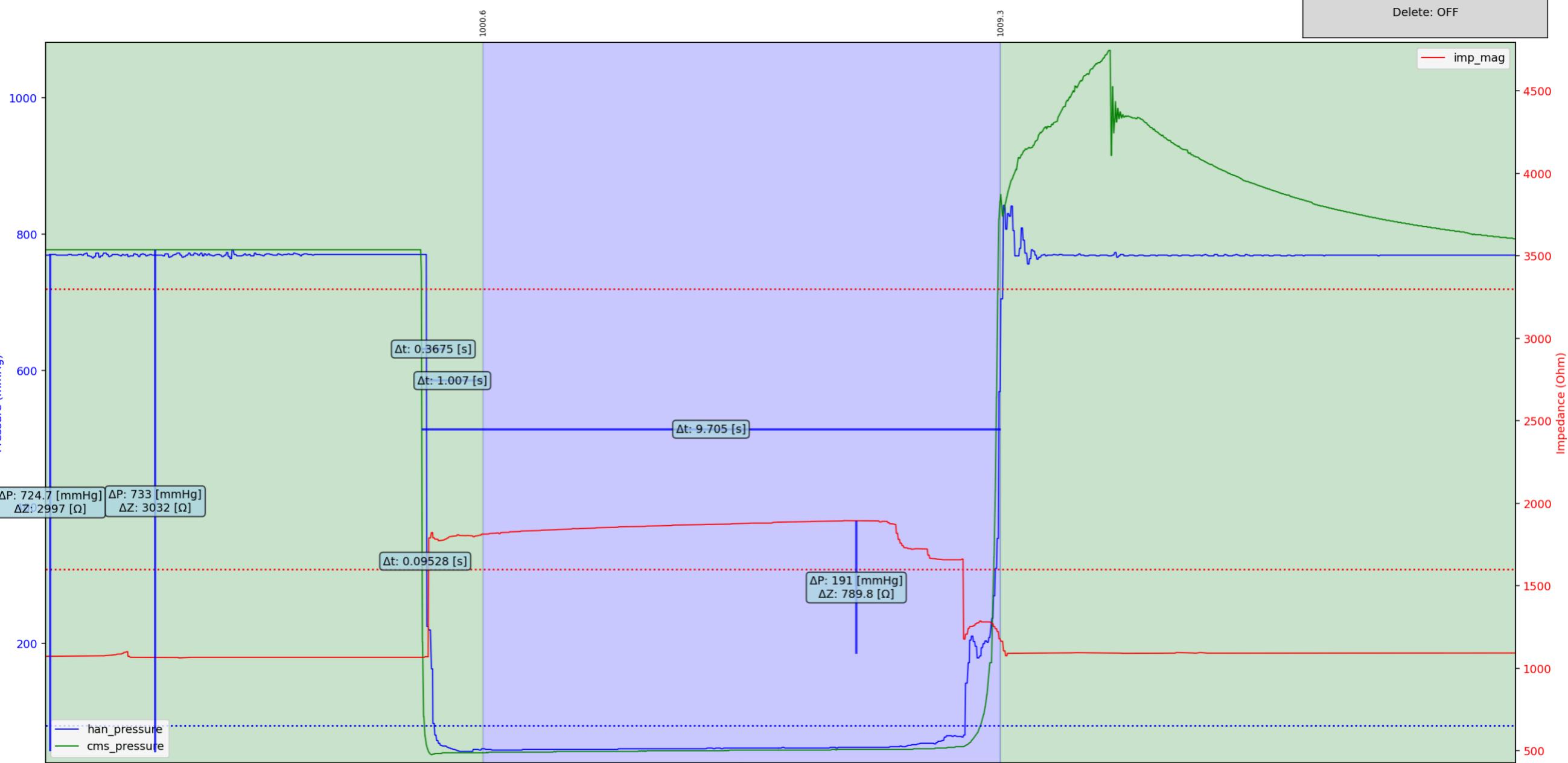
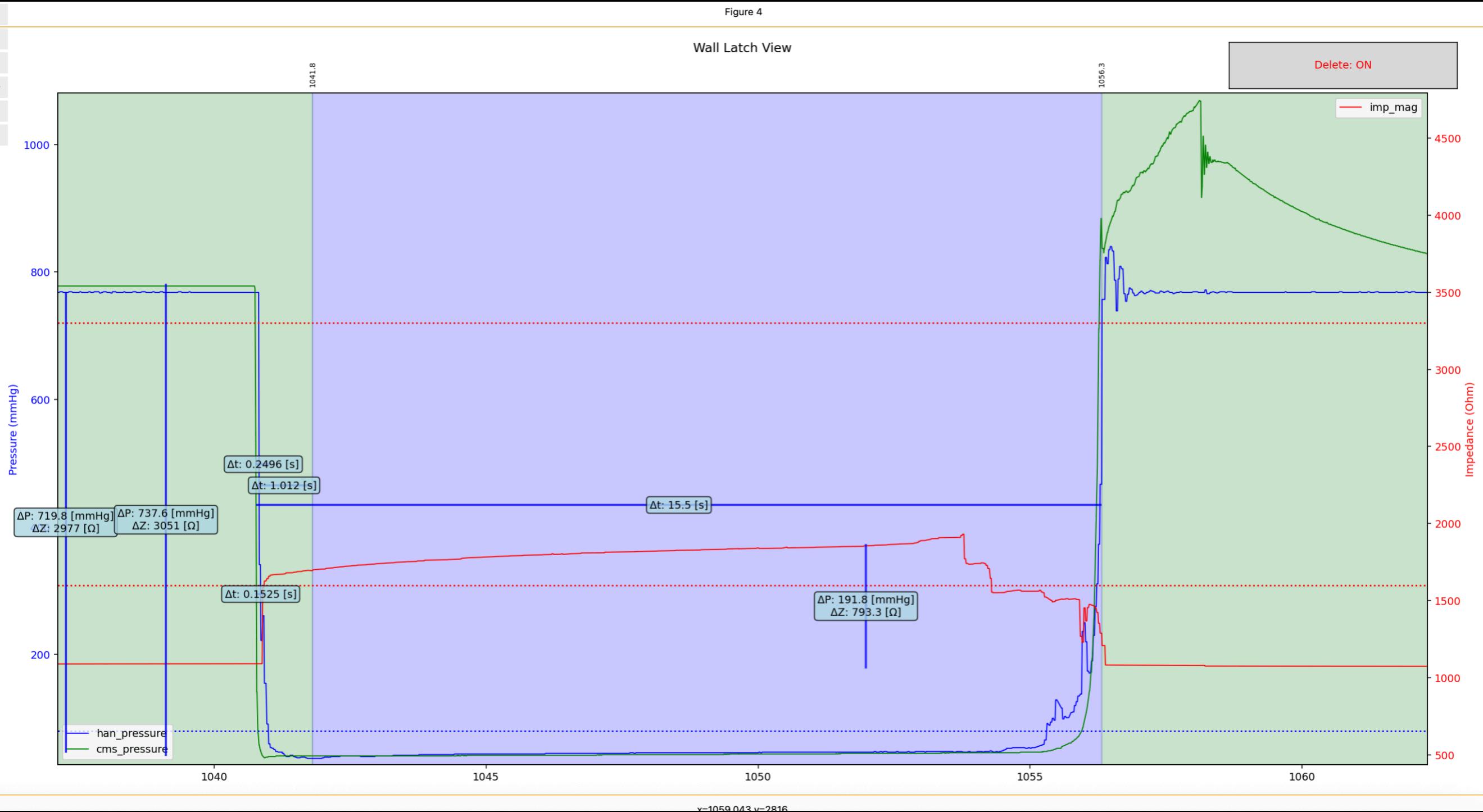


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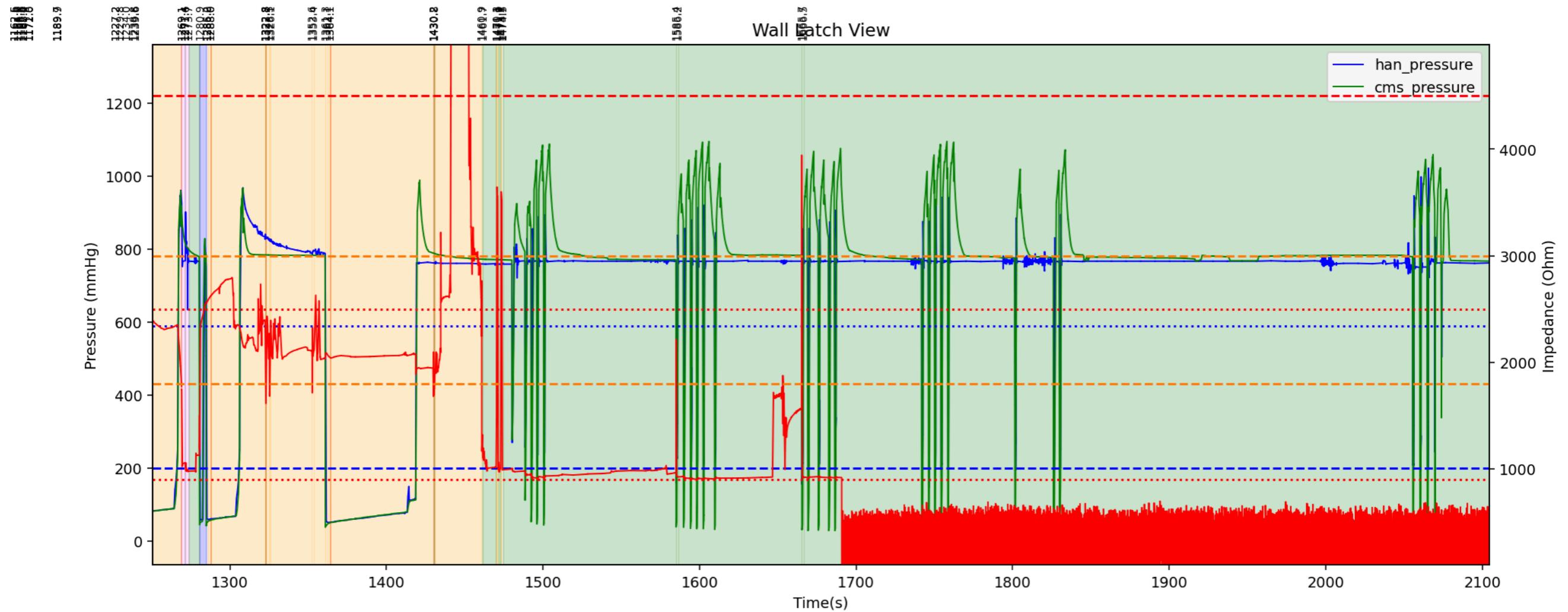
Measurements Summary

Time Range (s)	P_cms_initial (mmHg)	Z_cms_initial (Ω)	P_han_initial (mmHg)	Z_han_initial (Ω)	P_latch (mmHg)	Z_latch (Ω)	Δt_{to_state1} (s)	$\Delta t_{to_imp_rise}$ (s)	Δt_{to_state2} (s)	Δt_{total} (s)
~318-322	721.2	2986	709.1	2936	N/A	N/A	0.3833	1.069	2.078	3.662
~374-378	732.2	3031	709.7	2938	214.4	887.6	0.5044	1.019	2.048	2.845
~458-461	725	3001	716.1	2965	169.2	700.5	0.2522	1.029	2.073	2.406
~687-693	726.2	3006	731.9	3030	171.9	711.5	0.2648	1.047	N/A	5.031
~718-721	717.8	2972	721.9	2989	181	749.3	0.2409	1.044	2.077	2.352
~827-830	743.6	3079	731	3026	174.2	721	0.1864	1.072	2.099	2.733
~928-931	753.4	3119	731.5	3028	177.4	734.4	0.1921	1.077	2.105	2.424
~951-954	741.9	3071	724.3	2999	179	741.2	0.2241	1.077	2.103	N/A
~1058-1065	721.8	2988	730	3022	195.1	807.5	0.2679	1.079	N/A	6.308
~1094-1100	720.9	2985	734.6	3041	199.3	825.1	0.2105	1.072	N/A	6.411
~1147-1151	720.1	2981	731.4	3028	185.1	766.5	0.2098	1.058	N/A	3.443

Not verified, automatically extracted from figures

Wall Latch Events 24F

Included for comparison of *normal-state* pressure vs.
impedance behavior



Unit 05 from 15_DV/SD Card Logs

