

OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Tue May 16 13:51:32 BST 2023

Experiment info

Name	csg524 Sample 2 Measurement 5
Type	Contact angle
Date	15-May-2023 16:21

Solid

Name
γ_{tot} [mN/m]
γ_{d} [mN/m]
γ_{+} [mN/m]
γ_{-} [mN/m]
ρ [g/cm ³]

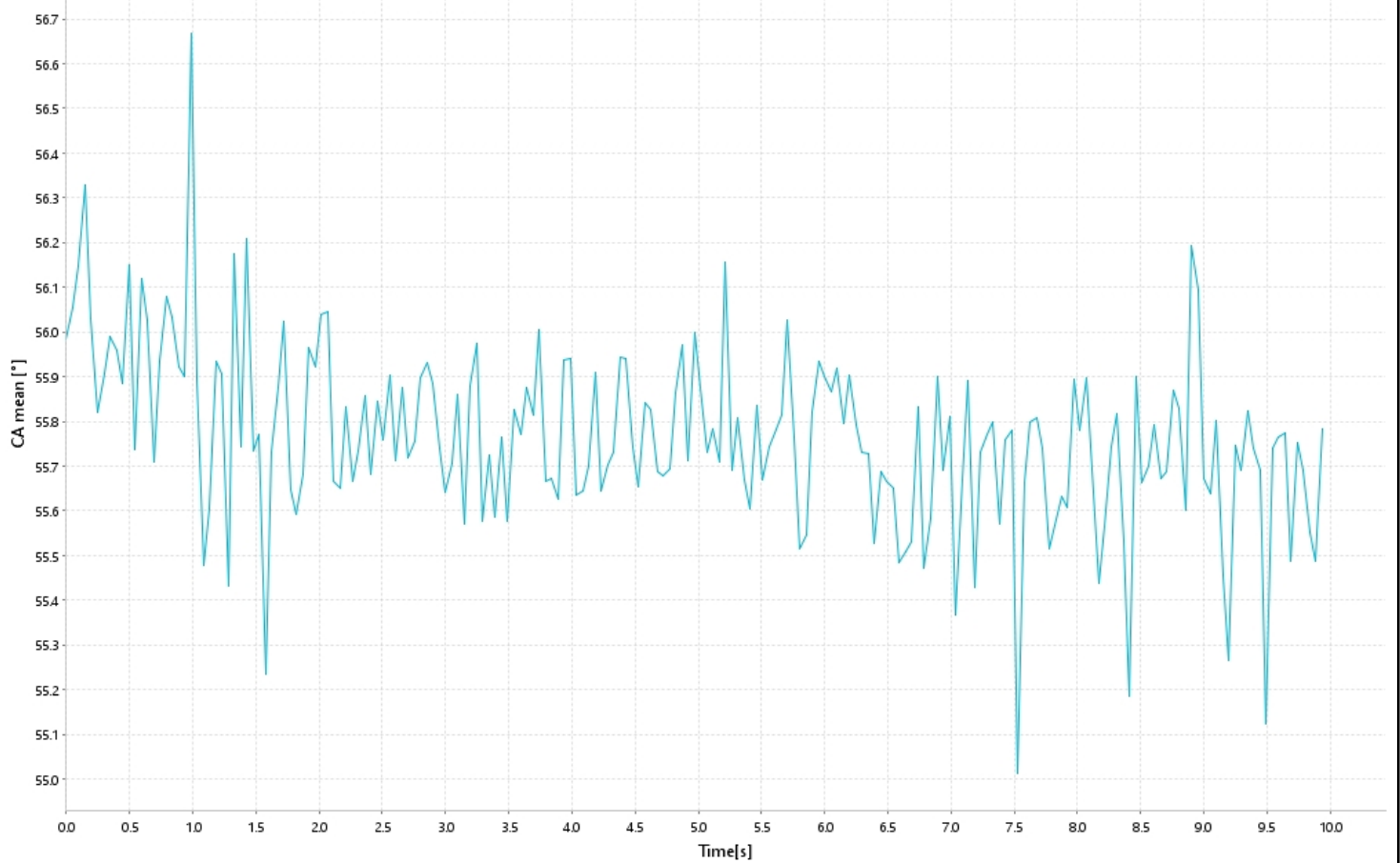
Heavy phase

Name	Water 20 C
γ_{tot} [mN/m]	72.800
γ_{d} [mN/m]	21.800
γ_{+} [mN/m]	25.500
γ_{-} [mN/m]	25.500
ρ [g/cm ³]	0.9980
η [mPa.s]	1.002
Temperature [°C]	20.000
Molecular weight [g/mol]	18.010

Light phase

Name	Air
γ_{tot} [mN/m]	
γ_{d} [mN/m]	
γ_{+} [mN/m]	
γ_{-} [mN/m]	
ρ [g/cm ³]	0.0012
η [mPa.s]	
Temperature [°C]	20.000
Molecular weight [g/mol]	0.029





Detailed results

Time [s]	CA left [°]	CA right [°]	CA mean [°]	Volume [μl]	Baseline [mm]
0.00	54.65	57.32	55.98	0.32	1.41
0.05	54.68	57.43	56.05	0.32	1.41
0.10	54.49	57.80	56.15	0.32	1.41
0.15	54.68	57.98	56.33	0.32	1.41
0.20	54.69	57.37	56.03	0.32	1.41
0.25	54.51	57.13	55.82	0.32	1.41
0.30	54.36	57.45	55.91	0.32	1.41
0.34	54.37	57.61	55.99	0.32	1.41
0.39	54.62	57.30	55.96	0.32	1.41
0.44	54.64	57.13	55.88	0.32	1.41
0.49	54.33	57.97	56.15	0.33	1.41
0.54	53.89	57.58	55.74	0.33	1.41
0.59	55.01	57.23	56.12	0.32	1.41
0.64	54.69	57.37	56.03	0.31	1.41
0.69	54.16	57.26	55.71	0.32	1.41
0.74	54.33	57.54	55.94	0.32	1.41
0.79	54.24	57.92	56.08	0.32	1.41
0.84	54.55	57.51	56.03	0.32	1.41
0.89	54.81	57.03	55.92	0.31	1.41
0.93	54.29	57.51	55.90	0.32	1.41
0.98	54.68	58.65	56.67	0.33	1.41
1.03	54.44	57.35	55.90	0.32	1.41
1.08	54.10	56.85	55.48	0.31	1.41
1.13	54.37	56.84	55.61	0.32	1.41
1.18	54.43	57.44	55.93	0.32	1.41
1.23	54.32	57.50	55.91	0.32	1.41
1.28	54.10	56.76	55.43	0.31	1.41
1.33	54.66	57.69	56.17	0.32	1.41
1.38	54.09	57.39	55.74	0.32	1.41
1.43	54.64	57.78	56.21	0.32	1.41
1.48	54.33	57.14	55.73	0.32	1.41
1.53	54.29	57.26	55.77	0.32	1.41
1.57	54.13	56.34	55.24	0.31	1.41
1.62	54.20	57.26	55.73	0.32	1.41
1.67	54.54	57.21	55.87	0.32	1.41
1.72	54.66	57.39	56.03	0.32	1.41

1.77	54.32	56.97	55.65	0.32	1.41
1.82	54.12	57.07	55.59	0.32	1.41
1.87	54.26	57.11	55.68	0.32	1.41
1.92	54.57	57.36	55.96	0.32	1.41
1.97	54.45	57.40	55.92	0.32	1.41
2.02	54.54	57.54	56.04	0.32	1.41
2.07	54.43	57.66	56.04	0.32	1.41
2.12	54.43	56.90	55.66	0.32	1.41
2.16	54.17	57.13	55.65	0.32	1.41
2.21	54.39	57.28	55.83	0.32	1.41
2.26	54.25	57.08	55.67	0.32	1.41
2.31	54.24	57.22	55.73	0.32	1.41
2.36	54.31	57.40	55.86	0.32	1.41
2.41	54.31	57.05	55.68	0.32	1.41
2.46	54.28	57.41	55.85	0.32	1.41
2.51	54.51	57.00	55.76	0.32	1.41
2.56	54.41	57.40	55.90	0.32	1.41
2.61	54.33	57.09	55.71	0.32	1.41
2.66	54.39	57.36	55.88	0.32	1.41
2.71	54.38	57.05	55.72	0.32	1.41
2.76	54.35	57.17	55.76	0.32	1.41
2.80	54.34	57.46	55.90	0.32	1.41
2.85	54.46	57.40	55.93	0.32	1.41
2.90	54.30	57.48	55.89	0.32	1.41
2.95	54.42	57.06	55.74	0.32	1.41
3.00	54.14	57.14	55.64	0.32	1.41
3.05	54.16	57.25	55.71	0.32	1.41
3.10	54.43	57.29	55.86	0.32	1.41
3.15	54.15	56.99	55.57	0.32	1.41
3.20	54.27	57.49	55.88	0.32	1.41
3.25	54.39	57.56	55.97	0.32	1.41
3.30	54.16	56.99	55.58	0.32	1.41
3.35	54.49	56.96	55.72	0.32	1.41
3.39	54.18	57.00	55.59	0.32	1.41
3.44	54.31	57.22	55.77	0.32	1.41
3.49	54.10	57.05	55.58	0.32	1.41
3.54	54.28	57.37	55.83	0.32	1.41
3.59	54.28	57.27	55.77	0.32	1.41
3.64	54.28	57.47	55.88	0.32	1.41
3.69	54.29	57.34	55.81	0.32	1.41
3.74	54.47	57.54	56.00	0.32	1.41
3.79	54.24	57.09	55.67	0.32	1.41
3.84	54.30	57.05	55.67	0.32	1.41
3.89	54.04	57.21	55.63	0.32	1.41
3.94	54.56	57.31	55.94	0.32	1.41
3.99	54.45	57.43	55.94	0.32	1.41
4.03	54.32	56.95	55.64	0.32	1.41
4.08	54.30	56.99	55.65	0.32	1.41
4.13	54.39	57.01	55.70	0.32	1.41
4.18	54.48	57.34	55.91	0.32	1.41
4.23	54.12	57.17	55.64	0.31	1.41
4.28	54.27	57.14	55.70	0.32	1.41
4.33	54.19	57.27	55.73	0.32	1.41
4.38	54.45	57.44	55.95	0.32	1.41
4.43	54.41	57.47	55.94	0.32	1.41
4.48	54.34	57.14	55.74	0.32	1.41
4.53	54.09	57.22	55.65	0.32	1.41
4.58	54.31	57.38	55.84	0.32	1.41
4.63	54.39	57.26	55.83	0.32	1.41
4.67	54.17	57.21	55.69	0.32	1.41
4.72	54.43	56.92	55.68	0.32	1.41
4.77	54.22	57.17	55.70	0.32	1.41
4.82	54.33	57.39	55.86	0.32	1.41
4.87	54.37	57.58	55.97	0.32	1.41
4.92	54.22	57.20	55.71	0.32	1.41
4.97	54.56	57.44	56.00	0.32	1.41
5.02	54.37	57.38	55.88	0.32	1.41
5.07	54.35	57.11	55.73	0.32	1.41
5.12	54.29	57.28	55.78	0.32	1.41
5.17	54.33	57.09	55.71	0.32	1.41
5.22	54.48	57.83	56.15	0.32	1.41
5.26	54.10	57.28	55.69	0.32	1.41

5.31	54.31	57.31	55.81	0.32	1.41
5.36	54.36	56.98	55.67	0.32	1.41
5.41	54.18	57.03	55.60	0.32	1.41
5.46	54.52	57.15	55.84	0.32	1.41
5.51	54.17	57.17	55.67	0.32	1.41
5.56	54.30	57.19	55.74	0.32	1.41
5.61	54.27	57.28	55.78	0.32	1.41
5.66	54.35	57.28	55.82	0.32	1.41
5.71	54.51	57.55	56.03	0.32	1.41
5.76	54.36	57.17	55.77	0.32	1.41
5.81	54.22	56.81	55.51	0.32	1.41
5.86	54.16	56.93	55.54	0.32	1.41
5.90	54.28	57.37	55.82	0.32	1.41
5.95	54.46	57.41	55.93	0.32	1.41
6.00	54.43	57.37	55.90	0.32	1.41
6.05	54.17	57.56	55.87	0.32	1.41
6.10	54.49	57.34	55.92	0.32	1.41
6.15	54.38	57.21	55.79	0.32	1.41
6.20	54.46	57.35	55.90	0.32	1.41
6.25	54.40	57.18	55.79	0.32	1.41
6.30	54.23	57.23	55.73	0.32	1.41
6.35	54.41	57.05	55.73	0.32	1.41
6.40	54.09	56.97	55.53	0.32	1.41
6.45	54.11	57.27	55.69	0.32	1.41
6.49	54.23	57.10	55.66	0.32	1.41
6.54	54.25	57.05	55.65	0.32	1.41
6.59	53.86	57.11	55.48	0.31	1.41
6.64	54.20	56.82	55.51	0.31	1.41
6.69	54.22	56.84	55.53	0.31	1.41
6.74	54.32	57.34	55.83	0.32	1.41
6.79	54.24	56.71	55.47	0.32	1.41
6.84	54.24	56.93	55.58	0.32	1.41
6.89	54.46	57.35	55.90	0.32	1.41
6.94	54.39	56.99	55.69	0.32	1.41
6.99	54.40	57.22	55.81	0.32	1.41
7.04	53.95	56.78	55.37	0.31	1.41
7.09	54.23	57.11	55.67	0.32	1.41
7.13	54.39	57.39	55.89	0.32	1.41
7.18	54.11	56.75	55.43	0.31	1.41
7.23	54.24	57.22	55.73	0.32	1.41
7.28	54.30	57.24	55.77	0.32	1.41
7.33	54.50	57.10	55.80	0.32	1.41
7.38	54.22	56.92	55.57	0.32	1.41
7.43	54.29	57.23	55.76	0.32	1.41
7.48	54.32	57.24	55.78	0.32	1.41
7.53	53.85	56.17	55.01	0.31	1.41
7.58	54.18	57.14	55.66	0.32	1.41
7.63	54.32	57.28	55.80	0.32	1.41
7.68	54.36	57.26	55.81	0.32	1.41
7.73	54.35	57.13	55.74	0.32	1.41
7.77	54.16	56.87	55.51	0.32	1.41
7.82	54.31	56.82	55.57	0.32	1.41
7.87	54.29	56.97	55.63	0.32	1.41
7.92	54.24	56.98	55.61	0.32	1.41
7.97	54.54	57.25	55.89	0.32	1.41
8.02	54.33	57.23	55.78	0.32	1.41
8.07	54.47	57.32	55.90	0.32	1.41
8.12	54.39	57.00	55.69	0.32	1.41
8.17	53.97	56.90	55.44	0.31	1.41
8.22	54.19	56.94	55.56	0.32	1.41
8.27	54.36	57.13	55.74	0.32	1.41
8.32	54.23	57.40	55.82	0.32	1.41
8.36	54.17	56.90	55.53	0.32	1.41
8.41	54.06	56.32	55.19	0.31	1.41
8.46	54.42	57.38	55.90	0.32	1.41
8.51	54.18	57.14	55.66	0.32	1.41
8.56	54.23	57.17	55.70	0.32	1.41
8.61	54.39	57.20	55.79	0.32	1.41
8.66	54.22	57.12	55.67	0.32	1.41
8.71	54.37	57.00	55.69	0.32	1.41
8.76	54.44	57.29	55.87	0.32	1.41
8.81	54.28	57.38	55.83	0.32	1.41

8.86	54.17	57.04	55.60	0.32	1.41
8.91	54.52	57.87	56.19	0.32	1.42
8.96	54.55	57.64	56.09	0.32	1.41
9.00	54.39	56.96	55.67	0.32	1.41
9.05	54.34	56.94	55.64	0.32	1.41
9.10	54.32	57.29	55.80	0.32	1.41
9.15	54.11	56.80	55.46	0.31	1.41
9.20	54.00	56.53	55.26	0.31	1.41
9.25	54.22	57.27	55.75	0.32	1.41
9.30	54.39	56.99	55.69	0.32	1.41
9.35	54.27	57.37	55.82	0.32	1.41
9.40	54.35	57.13	55.74	0.32	1.41
9.45	54.18	57.19	55.69	0.32	1.41
9.50	53.82	56.43	55.12	0.31	1.41
9.55	54.19	57.29	55.74	0.32	1.41
9.59	54.35	57.18	55.77	0.32	1.41
9.64	54.41	57.14	55.77	0.32	1.41
9.69	54.10	56.88	55.49	0.32	1.41
9.74	54.43	57.08	55.75	0.32	1.41
9.79	54.27	57.11	55.69	0.32	1.41
9.84	54.14	56.97	55.55	0.32	1.41
9.89	54.16	56.81	55.49	0.32	1.41
9.94	54.42	57.15	55.78	0.32	1.41