

OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Tue May 16 13:51:13 BST 2023

Experiment info

Name	csg524 Sample 2 Measurement 3
Type	Contact angle
Date	15-May-2023 15:50

Solid

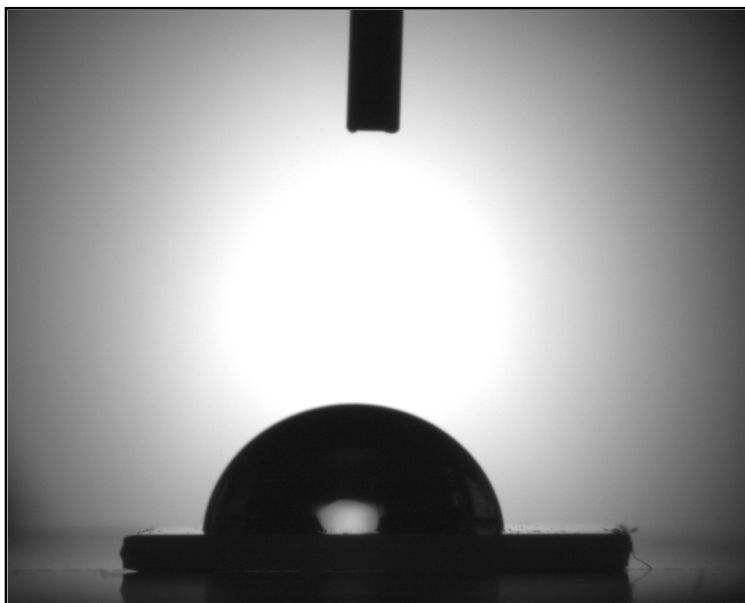
Name
γ_{tot} [mN/m]
γ_{d} [mN/m]
γ_{+} [mN/m]
γ_{-} [mN/m]
ρ [g/cm ³]

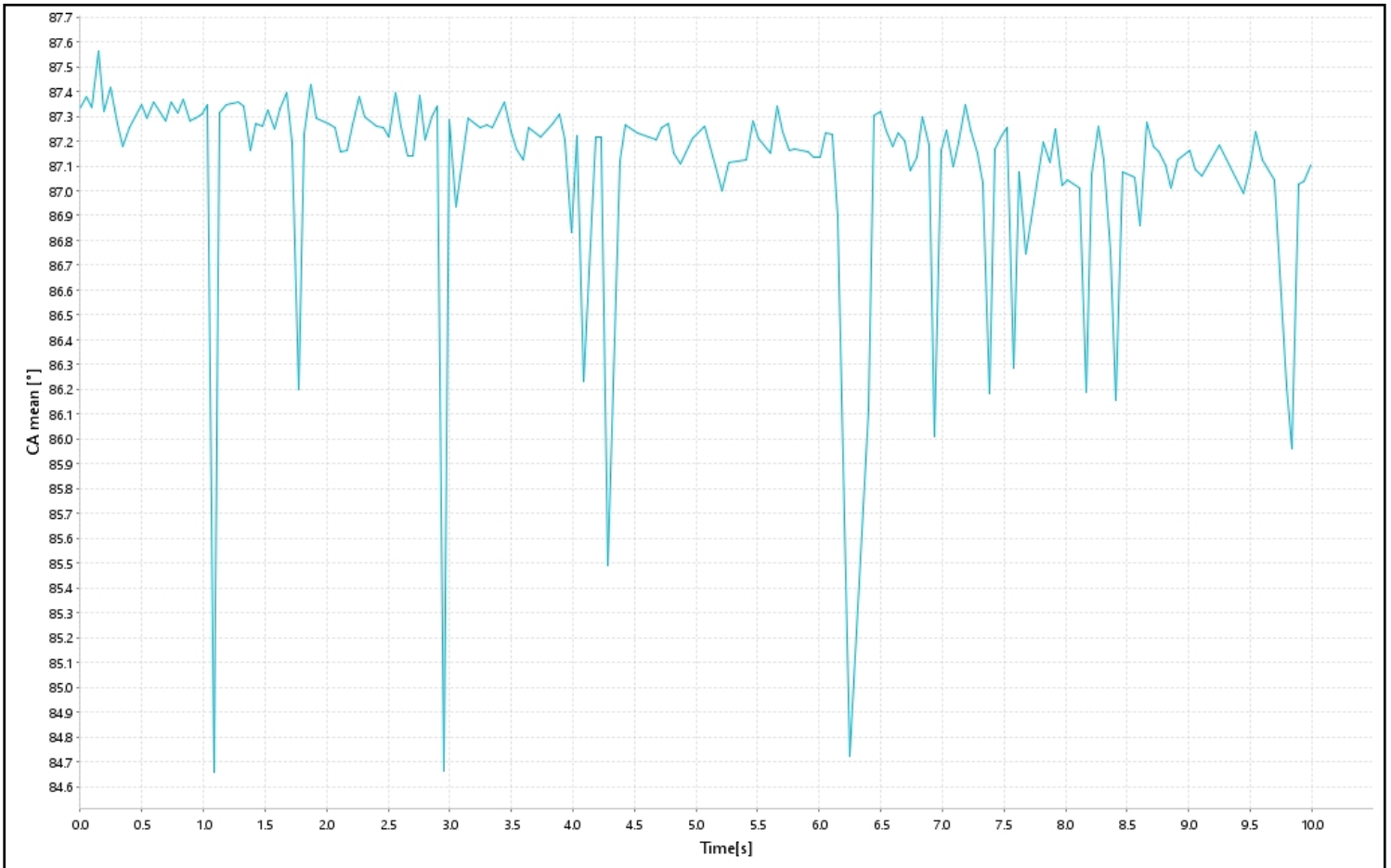
Heavy phase

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	87.31	87.35	87.33	0.33	1.15
0.05	87.37	87.38	87.38	0.33	1.15
0.10	87.41	87.27	87.34	0.33	1.15
0.15	87.49	87.63	87.56	0.33	1.15
0.20	87.14	87.51	87.32	0.34	1.15
0.25	87.25	87.58	87.42	0.34	1.15
0.30	87.00	87.54	87.27	0.34	1.15
0.34	86.93	87.43	87.18	0.34	1.15
0.39	87.02	87.49	87.25	0.34	1.15
0.44					
0.49	87.45	87.24	87.34	0.33	1.15
0.54	87.38	87.20	87.29	0.33	1.15
0.59	87.41	87.30	87.36	0.33	1.15
0.64					
0.69	87.06	87.51	87.28	0.34	1.15
0.74	87.12	87.60	87.36	0.34	1.15
0.79	87.17	87.46	87.31	0.34	1.15
0.84	87.25	87.49	87.37	0.33	1.15
0.89	87.25	87.31	87.28	0.33	1.15
0.93	87.22	87.36	87.29	0.33	1.15
0.98	87.32	87.30	87.31	0.33	1.15
1.03	87.38	87.31	87.34	0.33	1.15
1.08	84.50	84.81	84.65	0.31	1.14
1.13	87.18	87.44	87.31	0.34	1.15
1.18	87.32	87.37	87.34	0.33	1.15
1.23					
1.28	87.22	87.49	87.36	0.33	1.15
1.33	87.28	87.41	87.34	0.33	1.15
1.38	87.17	87.15	87.16	0.33	1.15
1.43	87.19	87.35	87.27	0.33	1.15
1.48	87.00	87.51	87.26	0.34	1.15
1.53	87.10	87.55	87.32	0.34	1.15
1.57	87.04	87.46	87.25	0.34	1.15
1.62	87.29	87.36	87.33	0.33	1.15
1.67	87.36	87.43	87.39	0.33	1.15
1.72	87.14	87.26	87.20	0.33	1.15

1.77	86.27	86.14	86.20	0.33	1.15
1.82	87.07	87.38	87.23	0.33	1.15
1.87	87.32	87.53	87.43	0.33	1.15
1.92	87.28	87.31	87.29	0.33	1.15
1.97					
2.02	87.23	87.31	87.27	0.33	1.15
2.07	87.26	87.25	87.25	0.33	1.15
2.12	87.08	87.23	87.16	0.33	1.15
2.16	87.03	87.29	87.16	0.33	1.15
2.21	87.01	87.52	87.27	0.34	1.15
2.26	87.09	87.66	87.38	0.34	1.15
2.31	87.10	87.50	87.30	0.34	1.15
2.36					
2.41	87.14	87.38	87.26	0.33	1.15
2.46	87.18	87.33	87.26	0.33	1.15
2.51	87.17	87.26	87.21	0.33	1.15
2.56	86.59	88.19	87.39	0.35	1.15
2.61	85.96	88.56	87.26	0.36	1.15
2.66	85.94	88.34	87.14	0.36	1.15
2.71	85.97	88.31	87.14	0.36	1.15
2.76	86.85	87.92	87.39	0.34	1.15
2.80	87.32	87.09	87.21	0.33	1.15
2.85	87.62	86.97	87.29	0.32	1.15
2.90	87.67	87.01	87.34	0.32	1.15
2.95	84.60	84.73	84.66	0.31	1.14
3.00	87.01	87.56	87.29	0.34	1.15
3.05	86.63	87.24	86.93	0.34	1.15
3.10					
3.15	87.19	87.40	87.29	0.34	1.15
3.20	87.17	87.38	87.27	0.33	1.15
3.25	87.24	87.27	87.26	0.33	1.15
3.30	87.18	87.35	87.26	0.33	1.15
3.35	87.09	87.42	87.26	0.34	1.15
3.40					
3.44	87.25	87.47	87.36	0.34	1.15
3.49	87.18	87.29	87.24	0.33	1.15
3.54	87.15	87.18	87.17	0.33	1.15
3.59	87.03	87.22	87.12	0.33	1.15
3.64	87.00	87.51	87.26	0.34	1.15
3.69					
3.74	87.10	87.33	87.21	0.33	1.15
3.79					
3.84	87.12	87.43	87.27	0.33	1.15
3.89	87.23	87.38	87.31	0.33	1.15
3.94	87.03	87.39	87.21	0.33	1.15
3.99	86.83	86.83	86.83	0.33	1.15
4.03	87.02	87.43	87.22	0.33	1.15
4.08	86.43	86.03	86.23	0.32	1.15
4.13					
4.18	87.13	87.30	87.22	0.33	1.15
4.23	87.13	87.31	87.22	0.33	1.15
4.28	85.07	85.91	85.49	0.32	1.14
4.33					
4.38	86.97	87.27	87.12	0.33	1.15
4.43	87.18	87.35	87.26	0.33	1.15
4.48					
4.53	87.07	87.39	87.23	0.33	1.15
4.58					
4.63					
4.67	87.22	87.19	87.21	0.33	1.15
4.72	87.14	87.37	87.25	0.33	1.15
4.77	87.10	87.44	87.27	0.34	1.15
4.82	86.92	87.39	87.15	0.34	1.15
4.87	87.06	87.16	87.11	0.33	1.15
4.92					
4.97	87.19	87.22	87.21	0.33	1.15
5.02					
5.07	87.10	87.42	87.26	0.33	1.15
5.12					
5.17					
5.22	86.97	87.03	87.00	0.33	1.15
5.26	87.03	87.19	87.11	0.33	1.15

5.31					
5.36					
5.41	87.12	87.13	87.12	0.33	1.15
5.46	87.21	87.35	87.28	0.33	1.15
5.51	87.03	87.39	87.21	0.33	1.15
5.56					
5.61	86.97	87.33	87.15	0.33	1.15
5.66	87.26	87.43	87.34	0.33	1.15
5.71	87.20	87.28	87.24	0.33	1.15
5.76	87.09	87.24	87.16	0.33	1.15
5.81	87.02	87.32	87.17	0.33	1.15
5.86					
5.90	86.91	87.40	87.16	0.34	1.15
5.95	86.98	87.29	87.13	0.34	1.15
6.00	86.96	87.32	87.14	0.34	1.15
6.05	87.03	87.43	87.23	0.33	1.15
6.10	87.11	87.34	87.23	0.33	1.15
6.15	86.90	86.90	86.90	0.33	1.15
6.20					
6.25	84.59	84.85	84.72	0.31	1.14
6.30					
6.35					
6.40	86.29	85.95	86.12	0.32	1.15
6.45	87.19	87.41	87.30	0.33	1.15
6.50	87.26	87.37	87.32	0.33	1.15
6.54	87.09	87.40	87.24	0.33	1.15
6.59	86.98	87.37	87.18	0.33	1.15
6.64	87.11	87.36	87.23	0.33	1.15
6.69	87.05	87.35	87.20	0.33	1.15
6.74	87.06	87.10	87.08	0.33	1.15
6.79	87.08	87.18	87.13	0.33	1.15
6.84	87.20	87.39	87.30	0.33	1.15
6.89	87.03	87.34	87.18	0.33	1.15
6.94	86.15	85.87	86.01	0.32	1.15
6.99	87.05	87.27	87.16	0.33	1.15
7.04	87.08	87.40	87.24	0.33	1.15
7.09	86.98	87.21	87.10	0.33	1.15
7.13	87.08	87.31	87.20	0.33	1.15
7.18	87.33	87.36	87.35	0.33	1.15
7.23	87.15	87.33	87.24	0.33	1.15
7.28	87.03	87.28	87.15	0.33	1.15
7.33	86.93	87.14	87.03	0.33	1.15
7.38	86.19	86.18	86.18	0.33	1.15
7.43	86.92	87.41	87.16	0.34	1.15
7.48	87.12	87.32	87.22	0.33	1.15
7.53	87.17	87.34	87.25	0.33	1.15
7.58	86.47	86.10	86.28	0.33	1.15
7.63	86.89	87.27	87.08	0.33	1.15
7.68	86.72	86.77	86.74	0.33	1.15
7.73					
7.77					
7.82	87.08	87.31	87.19	0.33	1.15
7.87	87.05	87.18	87.11	0.33	1.15
7.92	87.11	87.39	87.25	0.33	1.15
7.97	86.89	87.15	87.02	0.33	1.15
8.02	86.96	87.13	87.04	0.33	1.15
8.07					
8.12	86.86	87.16	87.01	0.33	1.15
8.17	86.29	86.09	86.19	0.33	1.15
8.22	86.92	87.22	87.07	0.33	1.15
8.27	87.17	87.36	87.26	0.33	1.15
8.32	87.01	87.24	87.13	0.33	1.15
8.36	86.79	86.72	86.75	0.33	1.15
8.41	86.26	86.04	86.15	0.33	1.15
8.46	87.04	87.11	87.07	0.33	1.15
8.51					
8.56	86.92	87.19	87.06	0.33	1.15
8.61	86.86	86.86	86.86	0.33	1.15
8.66	87.22	87.33	87.28	0.33	1.15
8.71	87.07	87.28	87.18	0.33	1.15
8.76	86.97	87.35	87.16	0.33	1.15
8.81	86.81	87.39	87.10	0.34	1.15

8.86	86.83	87.19	87.01	0.33	1.15
8.91	86.91	87.33	87.12	0.33	1.15
8.96					
9.00	87.18	87.15	87.16	0.33	1.15
9.05	87.12	87.06	87.09	0.33	1.15
9.10	87.02	87.10	87.06	0.33	1.15
9.15	87.00	87.20	87.10	0.33	1.15
9.20					
9.25	86.96	87.41	87.19	0.34	1.15
9.30					
9.35					
9.40					
9.45	86.97	87.02	86.99	0.33	1.15
9.50	87.13	87.08	87.11	0.33	1.15
9.55	87.17	87.31	87.24	0.33	1.15
9.59	86.98	87.27	87.12	0.33	1.15
9.64					
9.69	86.88	87.21	87.04	0.33	1.15
9.74					
9.79	86.28	86.16	86.22	0.33	1.15
9.84	86.09	85.84	85.96	0.33	1.15
9.89	86.89	87.16	87.03	0.33	1.15
9.94	86.94	87.14	87.04	0.33	1.15
9.99	87.01	87.20	87.10	0.33	1.15