

OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Tue May 16 13:51:23 BST 2023

Experiment info

Name	csg524 Sample 2 Measurement 4
Type	Contact angle
Date	15-May-2023 16:05

Solid

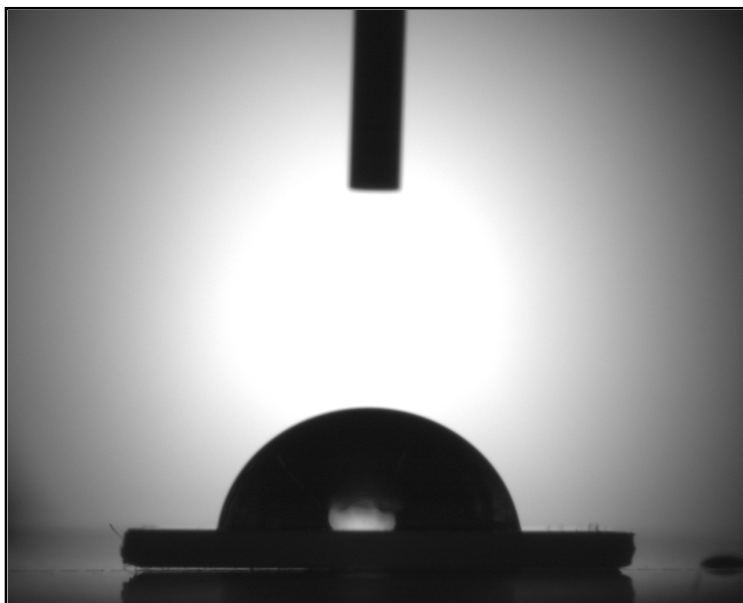
Name
γ_{tot} [mN/m]
γ_{d} [mN/m]
γ_{+} [mN/m]
γ_{-} [mN/m]
ρ [g/cm ³]

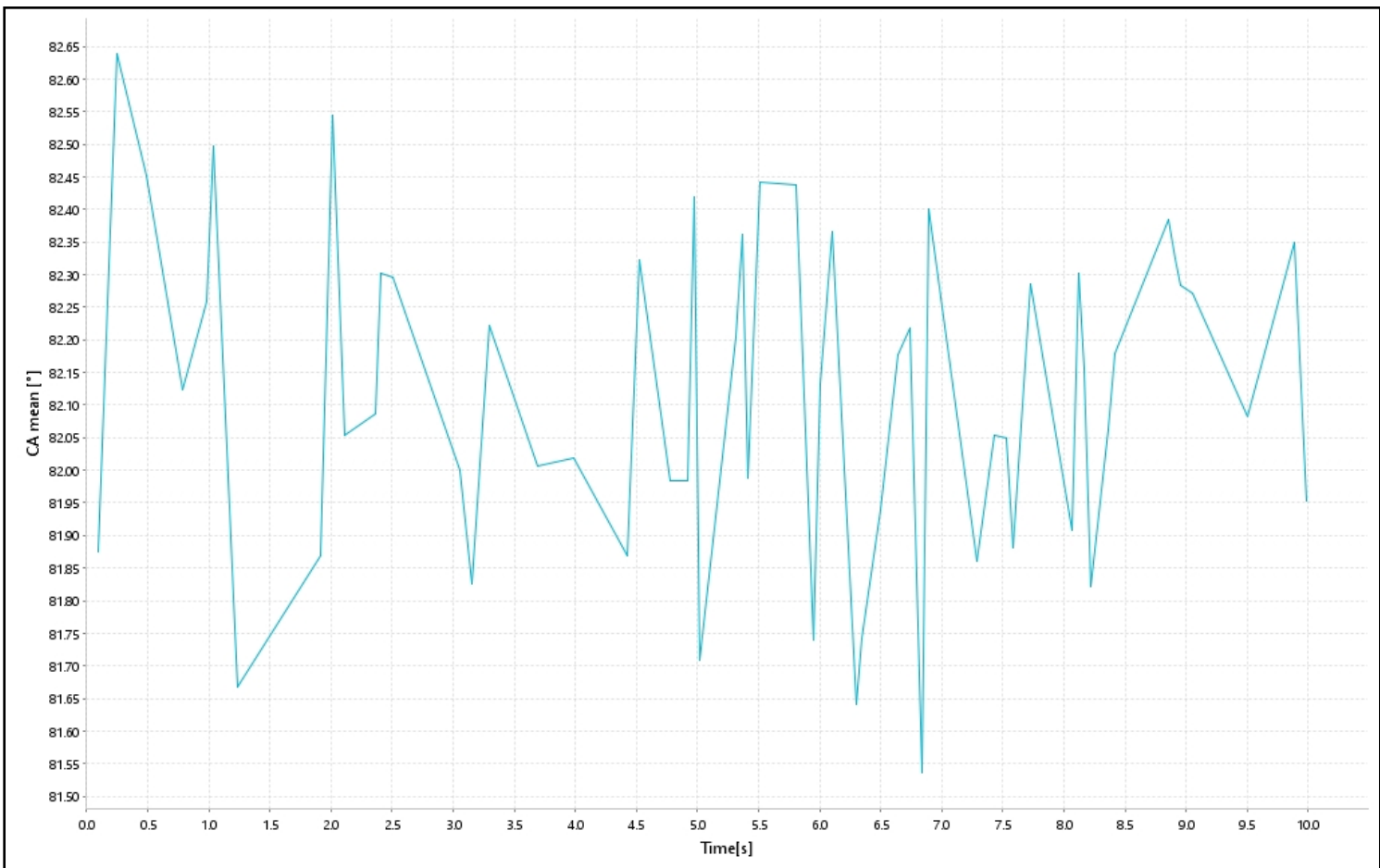
Heavy phase

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					
0.05					
0.10	82.15	81.59	81.87	0.29	1.15
0.15					
0.20					
0.25	82.87	82.40	82.64	0.30	1.15
0.30					
0.34					
0.39					
0.44					
0.49	82.59	82.31	82.45	0.30	1.15
0.54					
0.59					
0.64					
0.69					
0.74					
0.79	82.36	81.88	82.12	0.29	1.15
0.84					
0.89					
0.93					
0.98	82.54	81.97	82.26	0.30	1.15
1.03	82.63	82.36	82.50	0.30	1.15
1.08					
1.13					
1.18					
1.23	81.99	81.35	81.67	0.29	1.15
1.28					
1.33					
1.38					
1.43					
1.48					
1.53					
1.57					
1.62					
1.67					
1.72					

1.77					
1.82					
1.87					
1.92	82.18	81.56	81.87	0.29	1.15
1.97					
2.02	82.81	82.28	82.54	0.30	1.15
2.07					
2.12	82.25	81.85	82.05	0.29	1.15
2.16					
2.21					
2.26					
2.31					
2.36	82.30	81.88	82.09	0.30	1.15
2.41	82.51	82.09	82.30	0.30	1.15
2.46					
2.51	82.47	82.12	82.30	0.30	1.15
2.56					
2.61					
2.66					
2.71					
2.76					
2.80					
2.85					
2.90					
2.95					
3.00					
3.05	82.08	81.93	82.00	0.30	1.15
3.10					
3.15	81.96	81.69	81.82	0.30	1.15
3.20					
3.25					
3.30	82.64	81.80	82.22	0.29	1.15
3.35					
3.39					
3.44					
3.49					
3.54					
3.59					
3.64					
3.69	82.21	81.81	82.01	0.29	1.15
3.74					
3.79					
3.84					
3.89					
3.94					
3.99	82.08	81.95	82.02	0.30	1.15
4.03					
4.08					
4.13					
4.18					
4.23					
4.28					
4.33					
4.38					
4.43	82.05	81.69	81.87	0.30	1.15
4.48					
4.53	82.49	82.15	82.32	0.30	1.15
4.58					
4.63					
4.67					
4.72					
4.77	82.15	81.82	81.98	0.29	1.15
4.82					
4.87					
4.92	82.08	81.89	81.98	0.30	1.15
4.97	82.62	82.22	82.42	0.30	1.15
5.02	81.90	81.52	81.71	0.29	1.15
5.07					
5.12					
5.17					
5.22					
5.26					

5.31	82.39	82.01	82.20	0.30	1.15
5.36	82.59	82.13	82.36	0.30	1.15
5.41	82.21	81.77	81.99	0.30	1.15
5.46					
5.51	82.65	82.23	82.44	0.30	1.15
5.56					
5.61					
5.66					
5.71					
5.76					
5.81	82.67	82.20	82.44	0.30	1.15
5.86					
5.90					
5.95	81.88	81.59	81.74	0.29	1.15
6.00	82.41	81.86	82.13	0.29	1.15
6.05					
6.10	82.58	82.15	82.37	0.30	1.15
6.15					
6.20					
6.25					
6.30	81.79	81.50	81.64	0.29	1.15
6.35	81.94	81.54	81.74	0.29	1.15
6.40					
6.45					
6.49	82.12	81.76	81.94	0.30	1.15
6.54					
6.59					
6.64	82.42	81.94	82.18	0.30	1.15
6.69					
6.74	82.54	81.89	82.22	0.29	1.15
6.79					
6.84	81.82	81.25	81.54	0.29	1.15
6.89	82.66	82.14	82.40	0.30	1.15
6.94					
6.99					
7.04					
7.09					
7.13					
7.18					
7.23					
7.28	82.07	81.65	81.86	0.29	1.15
7.33					
7.38					
7.43	82.16	81.95	82.05	0.30	1.15
7.48					
7.53	82.13	81.97	82.05	0.30	1.15
7.58	82.07	81.70	81.88	0.29	1.15
7.63					
7.68					
7.72	82.54	82.03	82.29	0.30	1.15
7.77					
7.82					
7.87					
7.92					
7.97					
8.02					
8.07	82.11	81.71	81.91	0.29	1.15
8.12	82.51	82.09	82.30	0.30	1.15
8.17	82.27	82.05	82.16	0.30	1.15
8.22	82.03	81.61	81.82	0.29	1.15
8.27					
8.32					
8.36	82.26	81.86	82.06	0.29	1.15
8.41	82.48	81.88	82.18	0.30	1.15
8.46					
8.51					
8.56					
8.61					
8.66					
8.71					
8.76					
8.81					

8.86	82.59	82.18	82.39	0.30	1.15
8.91	82.52	82.13	82.33	0.30	1.15
8.96	82.54	82.03	82.28	0.30	1.15
9.00					
9.05	82.41	82.13	82.27	0.30	1.15
9.10					
9.15					
9.20					
9.25					
9.30					
9.35					
9.40					
9.45					
9.50	82.25	81.92	82.08	0.30	1.15
9.55					
9.59					
9.64					
9.69					
9.74					
9.79					
9.84					
9.89	82.47	82.23	82.35	0.30	1.15
9.94					
9.99	81.98	81.93	81.95	0.30	1.15