

OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Thu May 18 15:59:32 BST 2023

Experiment info

Name	csg524 Treated Sample 5 Measurement 2
Type	Contact angle
Date	18-May-2023 15:50

Solid

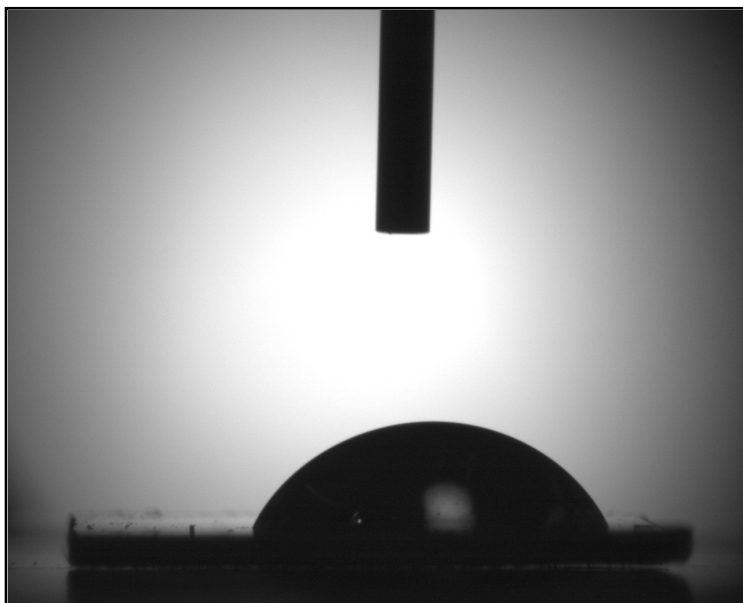
Name	polypropylene untreated
γ_{tot} [mN/m]	25.700
γ_{d} [mN/m]	25.300
γ_{+} [mN/m]	0.090
γ_{-} [mN/m]	0.500
ρ [g/cm ³]	

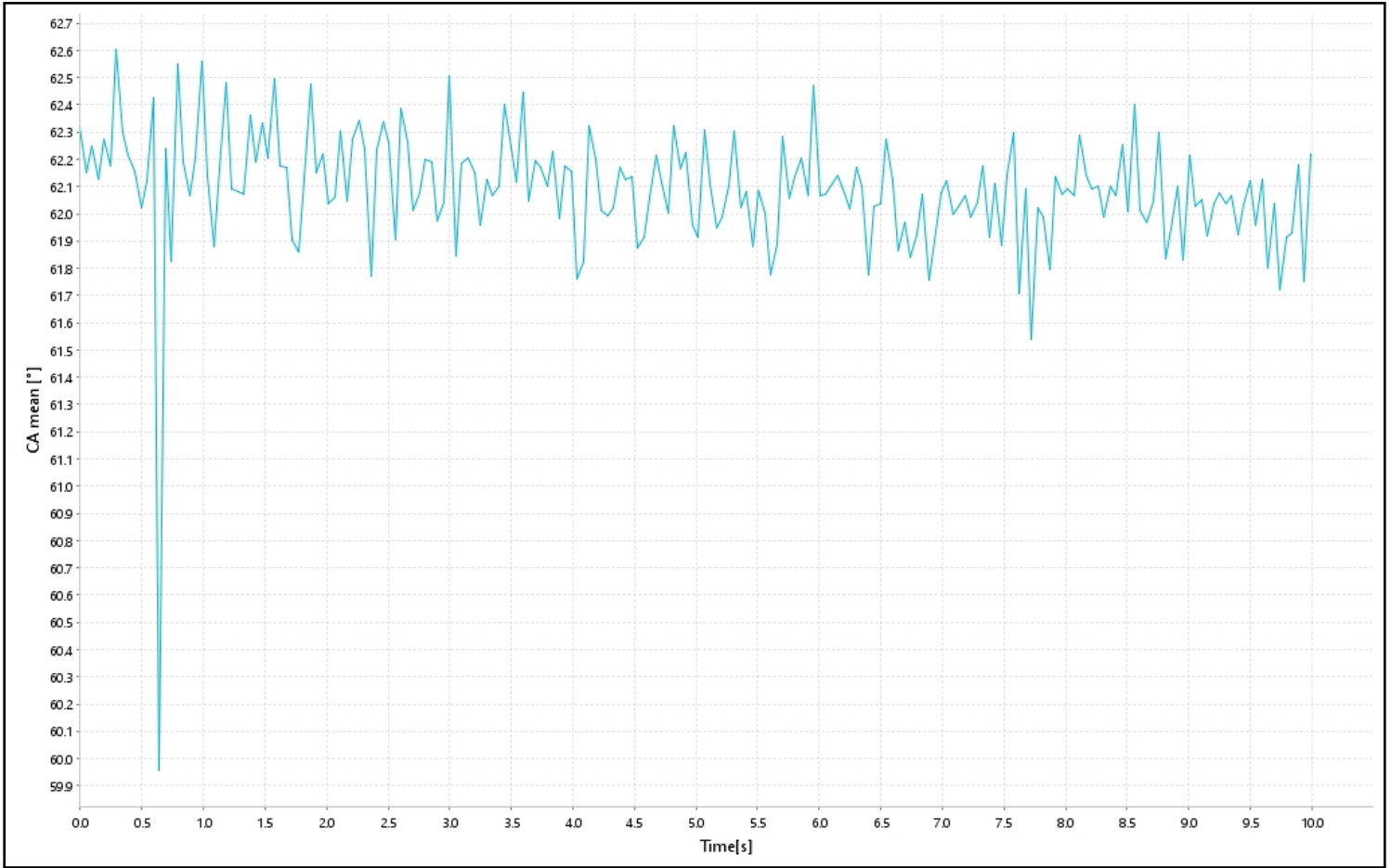
Heavy phase

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	61.51	63.12	62.32	0.36	1.31
0.05	61.32	62.97	62.15	0.36	1.31
0.10	61.41	63.09	62.25	0.36	1.31
0.15	61.34	62.91	62.13	0.36	1.31
0.20	61.49	63.05	62.27	0.36	1.31
0.25	61.39	62.96	62.18	0.36	1.31
0.29	61.75	63.46	62.60	0.37	1.32
0.34	61.42	63.17	62.30	0.36	1.31
0.39	61.43	63.00	62.21	0.36	1.31
0.44	61.39	62.92	62.16	0.36	1.31
0.49	61.29	62.76	62.02	0.36	1.31
0.54	61.42	62.82	62.12	0.36	1.31
0.59	61.50	63.36	62.43	0.37	1.31
0.64	59.30	60.60	59.95	0.33	1.29
0.69	61.44	63.04	62.24	0.36	1.31
0.74	61.04	62.61	61.83	0.36	1.31
0.79	61.71	63.38	62.55	0.36	1.32
0.84	61.33	63.05	62.19	0.36	1.31
0.89	61.31	62.82	62.07	0.36	1.31
0.93	61.48	62.93	62.20	0.36	1.31
0.98	61.69	63.43	62.56	0.37	1.32
1.03	61.33	62.95	62.14	0.36	1.31
1.08	61.03	62.73	61.88	0.36	1.31
1.13	61.30	63.03	62.16	0.36	1.31
1.18	61.68	63.29	62.48	0.36	1.31
1.23	61.36	62.82	62.09	0.36	1.31
1.28	61.36	62.80	62.08	0.35	1.31
1.33	61.29	62.86	62.07	0.36	1.31
1.38	61.57	63.16	62.36	0.36	1.31
1.43	61.37	63.00	62.19	0.36	1.31
1.48	61.51	63.15	62.33	0.37	1.31
1.52	61.44	62.97	62.21	0.36	1.31
1.57	61.67	63.32	62.49	0.36	1.32
1.62	61.35	63.00	62.18	0.36	1.31
1.67	61.38	62.96	62.17	0.36	1.31
1.72	61.04	62.77	61.91	0.36	1.31

1.77	61.22	62.50	61.86	0.35	1.31
1.82	61.40	62.85	62.13	0.35	1.31
1.87	61.52	63.43	62.48	0.37	1.32
1.92	61.28	63.03	62.15	0.36	1.31
1.97	61.52	62.92	62.22	0.36	1.31
2.02	61.23	62.84	62.04	0.36	1.31
2.07	61.11	63.02	62.06	0.37	1.31
2.12	61.30	63.31	62.30	0.37	1.31
2.16	61.34	62.76	62.05	0.36	1.31
2.21	61.53	63.02	62.27	0.36	1.31
2.26	61.48	63.20	62.34	0.37	1.31
2.31	61.50	62.98	62.24	0.36	1.31
2.36	61.05	62.50	61.77	0.35	1.31
2.41	61.43	63.03	62.23	0.36	1.31
2.46	61.58	63.10	62.34	0.36	1.31
2.51	61.45	63.06	62.26	0.36	1.31
2.56	61.16	62.66	61.91	0.36	1.31
2.61	61.52	63.26	62.39	0.36	1.31
2.66	61.47	63.06	62.26	0.36	1.31
2.71	61.21	62.82	62.01	0.36	1.31
2.75	61.28	62.88	62.08	0.36	1.31
2.80	61.33	63.06	62.20	0.36	1.31
2.85	61.43	62.94	62.19	0.36	1.31
2.90	61.21	62.74	61.97	0.36	1.31
2.95	61.31	62.77	62.04	0.36	1.31
3.00	61.66	63.35	62.51	0.36	1.32
3.05	61.14	62.56	61.85	0.36	1.31
3.10	61.37	63.00	62.19	0.36	1.31
3.15	61.34	63.07	62.21	0.36	1.31
3.20	61.34	62.96	62.15	0.36	1.31
3.25	61.15	62.76	61.96	0.36	1.31
3.30	61.43	62.83	62.13	0.36	1.31
3.35	61.33	62.80	62.07	0.36	1.31
3.39	61.25	62.96	62.10	0.36	1.31
3.44	61.71	63.09	62.40	0.36	1.31
3.49	61.56	62.93	62.25	0.36	1.31
3.54	61.33	62.90	62.12	0.36	1.31
3.59	61.48	63.41	62.45	0.37	1.31
3.64	61.11	62.98	62.05	0.37	1.31
3.69	61.52	62.87	62.20	0.35	1.31
3.74	61.39	62.96	62.17	0.36	1.31
3.79	61.29	62.91	62.10	0.36	1.31
3.84	61.53	62.93	62.23	0.36	1.31
3.89	61.28	62.68	61.98	0.36	1.31
3.94	61.39	62.96	62.18	0.36	1.31
3.99	61.45	62.85	62.15	0.36	1.31
4.03	60.98	62.54	61.76	0.36	1.31
4.08	61.04	62.61	61.83	0.36	1.31
4.13	61.61	63.04	62.32	0.36	1.31
4.18	61.33	63.07	62.20	0.37	1.31
4.23	61.24	62.78	62.01	0.36	1.31
4.28	61.33	62.66	61.99	0.35	1.31
4.33	61.27	62.78	62.02	0.36	1.31
4.38	61.44	62.91	62.17	0.36	1.31
4.43	61.21	63.04	62.13	0.36	1.31
4.48	61.31	62.96	62.13	0.36	1.31
4.53	61.11	62.64	61.88	0.36	1.31
4.58	61.06	62.77	61.91	0.36	1.31
4.62	61.15	62.96	62.06	0.36	1.31
4.67	61.39	63.04	62.21	0.36	1.31
4.72	61.30	62.93	62.11	0.36	1.31
4.77	61.24	62.77	62.00	0.36	1.31
4.82	61.42	63.23	62.32	0.37	1.31
4.87	61.36	62.97	62.17	0.36	1.31
4.92	61.44	63.01	62.22	0.36	1.31
4.97	61.24	62.68	61.96	0.36	1.31
5.02	61.21	62.63	61.92	0.35	1.31
5.07	61.60	63.01	62.31	0.36	1.31
5.12	61.45	62.78	62.11	0.35	1.31
5.17	61.32	62.58	61.95	0.35	1.31
5.22	61.31	62.66	61.99	0.35	1.31
5.26	61.36	62.84	62.10	0.36	1.31

5.31	61.49	63.12	62.30	0.36	1.31
5.36	61.27	62.77	62.02	0.36	1.31
5.41	61.25	62.91	62.08	0.36	1.31
5.46	61.03	62.73	61.88	0.36	1.31
5.51	61.31	62.86	62.08	0.36	1.31
5.56	61.17	62.83	62.00	0.36	1.31
5.61	60.97	62.58	61.78	0.36	1.31
5.66	61.04	62.73	61.89	0.36	1.31
5.71	61.39	63.18	62.28	0.37	1.31
5.76	61.22	62.89	62.06	0.36	1.31
5.81	61.26	63.01	62.13	0.36	1.31
5.85	61.36	63.05	62.21	0.36	1.31
5.90	61.30	62.84	62.07	0.36	1.31
5.95	61.68	63.27	62.47	0.36	1.32
6.00	61.22	62.91	62.07	0.36	1.31
6.05	61.27	62.87	62.07	0.36	1.31
6.10	61.33	62.89	62.11	0.36	1.31
6.15	61.38	62.91	62.14	0.36	1.31
6.20	61.34	62.81	62.08	0.36	1.31
6.25	61.27	62.76	62.02	0.36	1.31
6.30	61.33	63.01	62.17	0.36	1.31
6.35	61.26	62.94	62.10	0.36	1.31
6.40	60.94	62.62	61.78	0.36	1.31
6.45	61.23	62.83	62.03	0.36	1.31
6.49	61.19	62.88	62.04	0.36	1.31
6.54	61.38	63.17	62.27	0.37	1.31
6.59	61.37	62.87	62.12	0.36	1.31
6.64	61.05	62.68	61.87	0.36	1.31
6.69	61.19	62.74	61.97	0.36	1.31
6.74	61.02	62.66	61.84	0.36	1.31
6.79	61.17	62.69	61.93	0.36	1.31
6.84	61.27	62.87	62.07	0.36	1.31
6.89	60.94	62.57	61.76	0.36	1.31
6.94	61.03	62.77	61.90	0.36	1.31
6.99	61.30	62.84	62.07	0.36	1.31
7.04	61.28	62.96	62.12	0.36	1.31
7.08	61.22	62.78	62.00	0.36	1.31
7.13	61.18	62.87	62.03	0.36	1.31
7.18	61.38	62.75	62.07	0.35	1.31
7.23	61.39	62.59	61.99	0.35	1.31
7.28	61.29	62.80	62.04	0.36	1.31
7.33	61.40	62.96	62.18	0.36	1.31
7.38	61.13	62.70	61.92	0.36	1.31
7.43	61.33	62.89	62.11	0.36	1.31
7.48	61.09	62.68	61.89	0.36	1.31
7.53	61.37	62.91	62.14	0.36	1.31
7.58	61.40	63.19	62.30	0.37	1.32
7.63	60.97	62.45	61.71	0.36	1.31
7.68	61.28	62.91	62.09	0.36	1.31
7.72	60.79	62.29	61.54	0.36	1.31
7.77	61.21	62.83	62.02	0.36	1.31
7.82	61.16	62.81	61.99	0.36	1.31
7.87	61.03	62.56	61.79	0.36	1.31
7.92	61.37	62.90	62.14	0.36	1.31
7.97	61.24	62.90	62.07	0.36	1.31
8.02	61.31	62.87	62.09	0.36	1.31
8.07	61.27	62.86	62.07	0.36	1.31
8.12	61.45	63.13	62.29	0.36	1.31
8.17	61.26	63.02	62.14	0.36	1.31
8.22	61.27	62.91	62.09	0.36	1.31
8.27	61.33	62.87	62.10	0.36	1.31
8.32	61.15	62.82	61.99	0.36	1.31
8.36	61.33	62.88	62.10	0.36	1.31
8.41	61.26	62.88	62.07	0.36	1.31
8.46	61.35	63.15	62.25	0.37	1.31
8.51	61.20	62.81	62.01	0.36	1.31
8.56	61.48	63.33	62.40	0.37	1.32
8.61	61.17	62.85	62.01	0.36	1.31
8.66	61.21	62.72	61.97	0.36	1.31
8.71	61.34	62.75	62.05	0.36	1.31
8.76	61.46	63.14	62.30	0.36	1.32
8.81	61.03	62.63	61.83	0.36	1.31

8.86	61.17	62.72	61.94	0.36	1.31
8.91	61.36	62.84	62.10	0.36	1.31
8.95	60.96	62.70	61.83	0.36	1.31
9.00	61.45	62.98	62.21	0.36	1.31
9.05	61.30	62.75	62.03	0.36	1.31
9.10	61.29	62.81	62.05	0.36	1.31
9.15	61.15	62.69	61.92	0.36	1.31
9.20	61.28	62.79	62.04	0.36	1.31
9.25	61.25	62.90	62.08	0.36	1.31
9.30	61.32	62.75	62.04	0.35	1.31
9.35	61.42	62.71	62.06	0.35	1.31
9.40	61.02	62.83	61.93	0.36	1.31
9.45	61.32	62.74	62.03	0.35	1.31
9.50	61.28	62.97	62.12	0.36	1.31
9.55	60.97	62.95	61.96	0.37	1.31
9.59	61.28	62.97	62.13	0.36	1.31
9.64	61.01	62.60	61.80	0.36	1.31
9.69	61.37	62.71	62.04	0.35	1.31
9.74	60.82	62.62	61.72	0.37	1.31
9.79	61.07	62.76	61.92	0.36	1.31
9.84	61.13	62.73	61.93	0.36	1.31
9.89	61.29	63.08	62.18	0.37	1.31
9.94	60.98	62.53	61.75	0.35	1.31
9.99	61.41	63.03	62.22	0.36	1.31