

OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Thu May 18 15:59:28 BST 2023

Experiment info

Name	csg524 Treated Sample 5 Measurement 1
Type	Contact angle
Date	18-May-2023 15:49

Solid

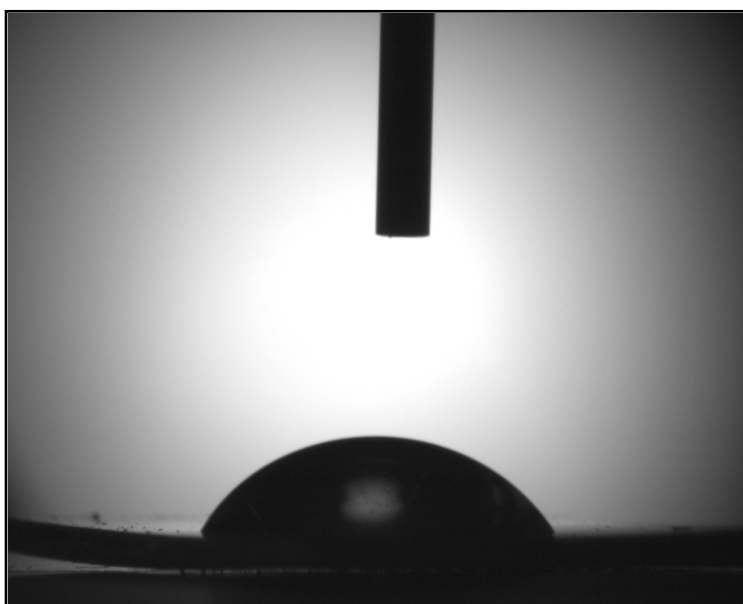
Name	polypropylene untreated
γ_{tot} [mN/m]	25.700
γ_{d} [mN/m]	25.300
γ_{+} [mN/m]	0.090
γ_{-} [mN/m]	0.500
ρ [g/cm ³]	

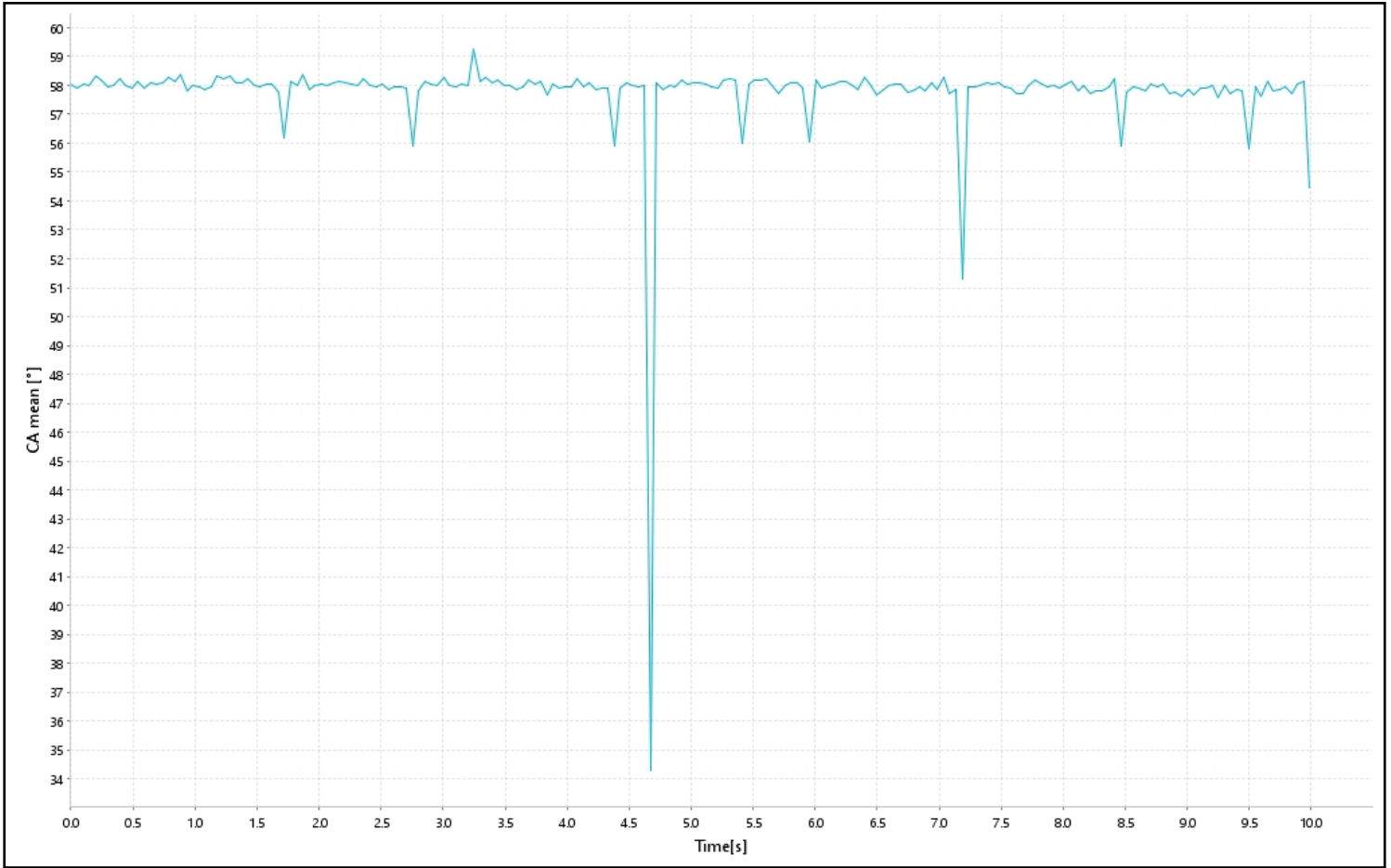
Heavy phase

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	59.25	56.80	58.03	0.20	1.29
0.05	59.18	56.65	57.91	0.20	1.29
0.10	59.28	56.79	58.04	0.20	1.29
0.15	59.22	56.77	57.99	0.20	1.29
0.20	59.49	57.13	58.31	0.20	1.29
0.25	59.37	56.97	58.17	0.20	1.29
0.30	59.18	56.74	57.96	0.20	1.29
0.34	59.16	56.83	57.99	0.21	1.29
0.39	59.45	56.99	58.22	0.20	1.29
0.44	59.14	56.83	57.99	0.20	1.29
0.49	59.16	56.64	57.90	0.20	1.29
0.54	59.38	56.86	58.12	0.20	1.29
0.59	59.08	56.72	57.90	0.20	1.29
0.64	59.33	56.87	58.10	0.20	1.29
0.69	59.27	56.82	58.04	0.20	1.29
0.74	59.27	56.88	58.08	0.20	1.29
0.79	59.52	57.02	58.27	0.20	1.29
0.84	59.38	56.87	58.12	0.20	1.29
0.89	59.57	57.16	58.36	0.20	1.29
0.93	59.09	56.55	57.82	0.20	1.29
0.98	59.22	56.76	57.99	0.20	1.29
1.03	59.18	56.74	57.96	0.20	1.29
1.08	59.03	56.68	57.86	0.20	1.29
1.13	59.07	56.84	57.96	0.20	1.29
1.18	59.56	57.06	58.31	0.20	1.29
1.23	59.38	57.07	58.23	0.20	1.29
1.28	59.52	57.13	58.32	0.20	1.29
1.33	59.32	56.83	58.07	0.20	1.29
1.38	59.33	56.83	58.08	0.20	1.29
1.43	59.47	57.00	58.23	0.20	1.29
1.48	59.16	56.81	57.99	0.20	1.29
1.53	59.19	56.67	57.93	0.20	1.29
1.57	59.29	56.77	58.03	0.20	1.29
1.62	59.19	56.92	58.05	0.20	1.29
1.67	59.01	56.48	57.75	0.20	1.29
1.72	57.58	54.77	56.17	0.19	1.26

1.77	59.41	56.85	58.13	0.20	1.29
1.82	59.26	56.73	58.00	0.20	1.29
1.87	59.67	57.03	58.35	0.20	1.29
1.92	59.05	56.66	57.86	0.20	1.29
1.97	59.29	56.70	57.99	0.20	1.29
2.02	59.28	56.78	58.03	0.20	1.29
2.07	59.17	56.79	57.98	0.20	1.29
2.12	59.36	56.81	58.08	0.20	1.29
2.17	59.41	56.86	58.14	0.20	1.29
2.21	59.31	56.86	58.09	0.20	1.29
2.26	59.19	56.89	58.04	0.20	1.29
2.31	59.21	56.80	58.01	0.20	1.29
2.36	59.36	57.06	58.21	0.20	1.29
2.41	59.25	56.79	58.02	0.20	1.29
2.46	59.14	56.78	57.96	0.20	1.29
2.51	59.18	56.89	58.03	0.20	1.29
2.56	59.07	56.66	57.87	0.20	1.29
2.61	59.12	56.78	57.95	0.20	1.29
2.66	59.13	56.78	57.95	0.20	1.29
2.71	59.28	56.57	57.92	0.20	1.29
2.76	57.40	54.41	55.90	0.18	1.26
2.80	59.09	56.53	57.81	0.20	1.29
2.85	59.30	56.95	58.13	0.20	1.29
2.90	59.17	56.94	58.05	0.20	1.29
2.95	59.23	56.78	58.01	0.20	1.29
3.00	59.47	57.04	58.25	0.21	1.29
3.05	59.21	56.82	58.02	0.20	1.29
3.10	59.11	56.83	57.97	0.20	1.29
3.15	59.33	56.73	58.03	0.20	1.29
3.20	59.18	56.81	58.00	0.20	1.29
3.25	60.36	58.11	59.24	0.21	1.31
3.30	59.41	56.85	58.13	0.20	1.29
3.35	59.52	57.08	58.30	0.20	1.29
3.40	59.35	56.86	58.11	0.20	1.29
3.44	59.47	56.88	58.18	0.20	1.29
3.49	59.23	56.76	57.99	0.20	1.29
3.54	59.24	56.72	57.98	0.20	1.29
3.59	59.05	56.71	57.88	0.20	1.29
3.64	59.15	56.72	57.94	0.20	1.29
3.69	59.37	56.97	58.17	0.20	1.29
3.74	59.18	56.95	58.07	0.20	1.29
3.79	59.39	56.88	58.14	0.20	1.29
3.84	58.97	56.34	57.66	0.20	1.29
3.89	59.20	56.89	58.04	0.20	1.29
3.94	59.09	56.73	57.91	0.20	1.29
3.99	59.28	56.64	57.96	0.20	1.29
4.03	59.17	56.69	57.93	0.20	1.29
4.08	59.54	56.88	58.21	0.20	1.29
4.13	59.16	56.70	57.93	0.21	1.29
4.18	59.37	56.82	58.10	0.20	1.29
4.23	59.09	56.63	57.86	0.20	1.29
4.28	59.06	56.77	57.92	0.20	1.29
4.33	59.15	56.62	57.88	0.20	1.29
4.38	57.40	54.43	55.91	0.19	1.26
4.43	59.13	56.69	57.91	0.20	1.29
4.48	59.29	56.92	58.11	0.20	1.29
4.53	59.19	56.79	57.99	0.20	1.29
4.58	59.18	56.76	57.97	0.20	1.29
4.63	59.20	56.77	57.99	0.20	1.29
4.67	36.65	31.89	34.27	0.05	0.82
4.72	59.41	56.75	58.08	0.20	1.29
4.77	59.13	56.59	57.86	0.20	1.29
4.82	59.15	56.86	58.01	0.21	1.29
4.87	59.26	56.69	57.97	0.20	1.29
4.92	59.45	56.96	58.20	0.20	1.29
4.97	59.26	56.87	58.06	0.20	1.29
5.02	59.35	56.86	58.11	0.20	1.29
5.07	59.23	57.00	58.11	0.20	1.29
5.12	59.16	56.97	58.07	0.20	1.29
5.17	59.20	56.72	57.96	0.20	1.29
5.22	59.22	56.64	57.93	0.20	1.29
5.26	59.43	56.98	58.20	0.20	1.29

5.31	59.39	57.03	58.21	0.20	1.29
5.36	59.40	56.95	58.18	0.20	1.29
5.41	57.44	54.60	56.02	0.19	1.26
5.46	59.23	56.89	58.06	0.20	1.29
5.51	59.35	56.97	58.16	0.20	1.29
5.56	59.38	56.97	58.18	0.20	1.29
5.61	59.42	57.01	58.21	0.20	1.29
5.66	59.13	56.74	57.94	0.20	1.29
5.71	59.02	56.39	57.70	0.20	1.29
5.76	59.24	56.74	57.99	0.20	1.29
5.81	59.36	56.86	58.11	0.20	1.29
5.86	59.48	56.74	58.11	0.20	1.29
5.90	59.13	56.65	57.89	0.20	1.29
5.95	57.47	54.67	56.07	0.19	1.26
6.00	59.42	56.98	58.20	0.20	1.30
6.05	58.96	56.81	57.88	0.20	1.29
6.10	59.22	56.75	57.99	0.20	1.29
6.15	59.31	56.79	58.05	0.20	1.29
6.20	59.32	56.94	58.13	0.20	1.29
6.25	59.35	56.94	58.14	0.20	1.29
6.30	59.16	56.82	57.99	0.20	1.29
6.35	59.00	56.72	57.86	0.20	1.29
6.40	59.42	57.12	58.27	0.21	1.30
6.45	59.14	56.96	58.05	0.20	1.29
6.50	58.92	56.47	57.70	0.20	1.29
6.54	59.01	56.62	57.82	0.20	1.29
6.59	59.22	56.81	58.01	0.20	1.29
6.64	59.22	56.83	58.03	0.20	1.29
6.69	59.21	56.86	58.03	0.20	1.29
6.74	59.08	56.49	57.78	0.20	1.29
6.79	59.31	56.35	57.83	0.19	1.29
6.84	59.23	56.63	57.93	0.20	1.29
6.89	58.95	56.71	57.83	0.20	1.29
6.94	59.31	56.90	58.10	0.20	1.29
6.99	59.07	56.63	57.85	0.20	1.29
7.04	59.37	57.14	58.26	0.21	1.30
7.09	58.94	56.51	57.73	0.20	1.29
7.13	59.05	56.68	57.87	0.20	1.29
7.18	53.18	49.38	51.28	0.15	1.18
7.23	59.13	56.77	57.95	0.20	1.29
7.28	59.15	56.71	57.93	0.20	1.29
7.33	59.33	56.71	58.02	0.20	1.29
7.38	59.38	56.81	58.09	0.20	1.29
7.43	59.15	56.97	58.06	0.21	1.29
7.48	59.28	56.95	58.11	0.20	1.29
7.53	59.22	56.68	57.95	0.20	1.29
7.58	59.15	56.69	57.92	0.20	1.29
7.63	58.94	56.53	57.73	0.20	1.29
7.68	58.95	56.50	57.73	0.20	1.29
7.73	59.37	56.65	58.01	0.19	1.29
7.77	59.43	56.93	58.18	0.20	1.30
7.82	59.30	56.79	58.04	0.20	1.29
7.87	59.18	56.68	57.93	0.20	1.29
7.92	59.13	56.85	57.99	0.21	1.29
7.97	59.00	56.81	57.90	0.21	1.29
8.02	59.18	56.89	58.03	0.20	1.29
8.07	59.31	56.94	58.12	0.20	1.29
8.12	59.23	56.41	57.82	0.19	1.29
8.17	59.16	56.81	57.98	0.21	1.29
8.22	58.77	56.66	57.71	0.21	1.29
8.27	58.53	57.12	57.82	0.22	1.29
8.32	58.66	56.98	57.82	0.22	1.29
8.36	59.03	56.88	57.95	0.21	1.29
8.41	59.46	56.96	58.21	0.20	1.29
8.46	57.51	54.26	55.89	0.18	1.26
8.51	59.11	56.40	57.76	0.20	1.29
8.56	59.30	56.58	57.94	0.20	1.29
8.61	59.10	56.68	57.89	0.20	1.29
8.66	58.99	56.59	57.79	0.20	1.29
8.71	59.15	56.91	58.03	0.21	1.29
8.76	59.14	56.73	57.94	0.20	1.29
8.81	59.31	56.82	58.06	0.20	1.29

8.86	59.02	56.46	57.74	0.20	1.29
8.91	59.06	56.48	57.77	0.20	1.29
8.96	58.84	56.39	57.61	0.20	1.29
9.00	59.01	56.73	57.87	0.20	1.29
9.05	58.94	56.41	57.68	0.20	1.29
9.10	59.10	56.70	57.90	0.20	1.29
9.15	59.09	56.75	57.92	0.20	1.29
9.20	59.17	56.85	58.01	0.20	1.29
9.25	58.85	56.29	57.57	0.20	1.29
9.30	59.24	56.80	58.02	0.20	1.29
9.35	58.99	56.47	57.73	0.20	1.29
9.40	59.09	56.59	57.84	0.20	1.29
9.45	59.00	56.63	57.81	0.20	1.29
9.50	57.24	54.38	55.81	0.18	1.26
9.55	59.19	56.71	57.95	0.20	1.29
9.60	58.95	56.31	57.63	0.20	1.29
9.64	59.34	56.97	58.16	0.20	1.29
9.69	59.09	56.54	57.81	0.20	1.29
9.74	59.09	56.65	57.87	0.20	1.29
9.79	59.19	56.70	57.94	0.20	1.29
9.84	58.96	56.47	57.72	0.20	1.29
9.89	59.18	56.90	58.04	0.20	1.29
9.94	59.31	57.01	58.16	0.20	1.29
9.99	56.03	52.86	54.45	0.18	1.24