

# OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Tue May 16 14:05:58 BST 2023

## Experiment info

Name	csg524 Sample 3.5 Measurement 4
Type	Contact angle
Date	16-May-2023 14:03

## Solid

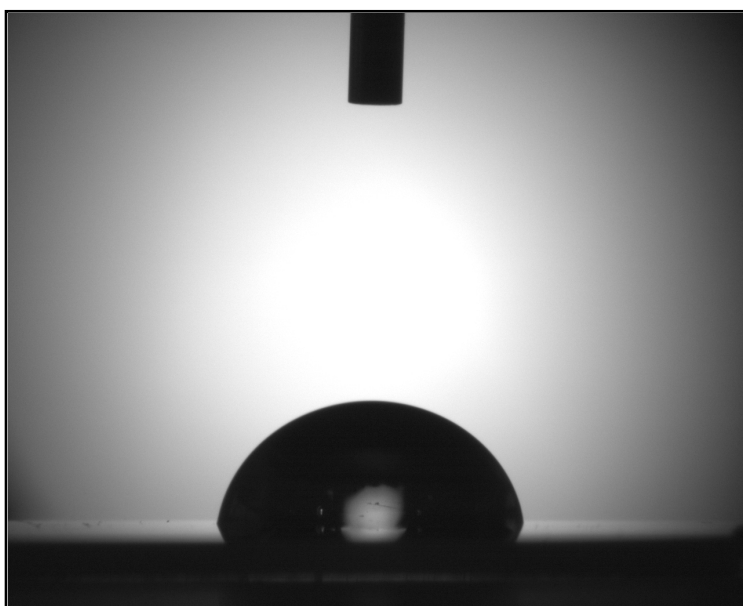
Name	polypropylene untreated
$\gamma_{\text{tot}}$ [mN/m]	25.700
$\gamma_{\text{d}}$ [mN/m]	25.300
$\gamma_{+}$ [mN/m]	0.090
$\gamma_{-}$ [mN/m]	0.500
$\rho$ [g/cm <sup>3</sup> ]	

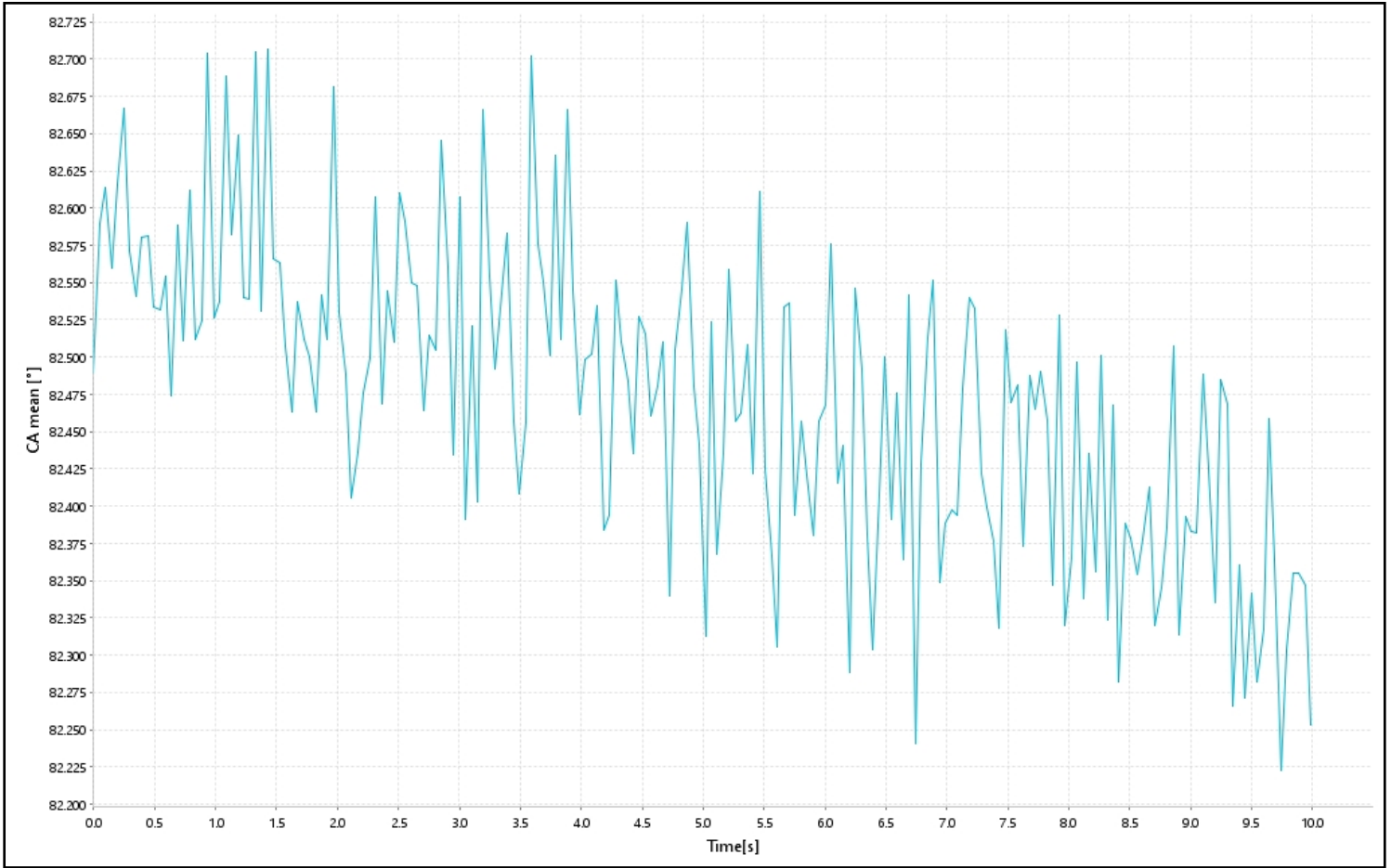
## Heavy phase

Name	Water 20 C
$\gamma_{\text{tot}}$ [mN/m]	72.800
$\gamma_{\text{d}}$ [mN/m]	21.800
$\gamma_{+}$ [mN/m]	25.500
$\gamma_{-}$ [mN/m]	25.500
$\rho$ [g/cm <sup>3</sup> ]	0.9980
$\eta$ [mPa.s]	1.002
Temperature [°C]	20.000
Molecular weight [g/mol]	18.010

## Light phase

Name	Air
$\gamma_{\text{tot}}$ [mN/m]	
$\gamma_{\text{d}}$ [mN/m]	
$\gamma_{+}$ [mN/m]	
$\gamma_{-}$ [mN/m]	
$\rho$ [g/cm <sup>3</sup> ]	0.0012
$\eta$ [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	82.10	82.88	82.49	0.30	1.14
0.05	82.09	83.09	82.59	0.30	1.14
0.10	82.11	83.12	82.61	0.30	1.14
0.15	82.07	83.05	82.56	0.30	1.14
0.20	82.16	83.07	82.62	0.30	1.14
0.25	82.24	83.10	82.67	0.30	1.14
0.30	82.18	82.96	82.57	0.30	1.14
0.34	82.17	82.91	82.54	0.30	1.14
0.39	82.17	82.99	82.58	0.30	1.14
0.44	82.19	82.97	82.58	0.30	1.14
0.49	82.06	83.01	82.53	0.30	1.14
0.54	82.02	83.04	82.53	0.30	1.14
0.59	82.10	83.01	82.55	0.30	1.14
0.64	82.08	82.87	82.47	0.30	1.14
0.69	82.11	83.06	82.59	0.30	1.14
0.74	82.05	82.97	82.51	0.30	1.14
0.79	82.04	83.18	82.61	0.30	1.14
0.84	82.06	82.96	82.51	0.30	1.14
0.89	82.12	82.93	82.52	0.30	1.14
0.93	82.30	83.11	82.70	0.30	1.14
0.98	82.03	83.02	82.53	0.30	1.14
1.03	82.07	83.01	82.54	0.30	1.14
1.08	82.23	83.14	82.69	0.30	1.14
1.13	82.13	83.03	82.58	0.30	1.14
1.18	82.19	83.10	82.65	0.30	1.14
1.23	82.10	82.98	82.54	0.30	1.14
1.28	82.15	82.93	82.54	0.30	1.14
1.33	82.28	83.13	82.70	0.30	1.14
1.38	82.10	82.96	82.53	0.30	1.14
1.43	82.32	83.10	82.71	0.30	1.14
1.48	82.03	83.11	82.57	0.30	1.14
1.53	82.06	83.07	82.56	0.30	1.14
1.57	81.92	83.09	82.51	0.31	1.14
1.62	81.98	82.94	82.46	0.30	1.14
1.67	82.07	83.00	82.54	0.30	1.14
1.72	82.10	82.92	82.51	0.30	1.14

1.77	81.93	83.07	82.50	0.30	1.14
1.82	81.98	82.95	82.46	0.30	1.14
1.87	82.05	83.03	82.54	0.30	1.14
1.92	82.03	83.00	82.51	0.30	1.14
1.97	82.16	83.20	82.68	0.31	1.14
2.02	82.11	82.95	82.53	0.30	1.14
2.07	82.04	82.93	82.49	0.30	1.14
2.12	81.94	82.87	82.41	0.30	1.14
2.16	81.96	82.92	82.44	0.30	1.14
2.21	81.98	82.98	82.48	0.30	1.14
2.26	82.04	82.95	82.50	0.30	1.14
2.31	82.12	83.10	82.61	0.30	1.14
2.36	81.93	83.01	82.47	0.30	1.14
2.41	81.89	83.20	82.54	0.31	1.14
2.46	81.99	83.03	82.51	0.30	1.14
2.51	82.37	82.85	82.61	0.30	1.14
2.56	82.39	82.79	82.59	0.30	1.14
2.61	82.23	82.87	82.55	0.30	1.14
2.66	82.10	83.00	82.55	0.30	1.14
2.71	81.98	82.95	82.46	0.30	1.14
2.76	81.97	83.06	82.51	0.31	1.14
2.80	81.97	83.04	82.51	0.30	1.14
2.85	82.17	83.12	82.65	0.30	1.14
2.90	82.14	82.98	82.56	0.30	1.14
2.95	81.99	82.88	82.43	0.30	1.14
3.00	82.13	83.09	82.61	0.30	1.14
3.05	81.97	82.82	82.39	0.30	1.14
3.10	82.02	83.02	82.52	0.30	1.14
3.15	81.91	82.90	82.40	0.30	1.14
3.20	82.16	83.17	82.67	0.31	1.14
3.25	81.91	83.20	82.55	0.31	1.14
3.30	82.00	82.99	82.49	0.30	1.14
3.35	82.10	82.99	82.54	0.30	1.14
3.40	82.15	83.02	82.58	0.30	1.14
3.44	81.93	82.98	82.46	0.30	1.14
3.49	81.81	83.00	82.41	0.31	1.14
3.54	81.81	83.10	82.46	0.30	1.14
3.59	82.06	83.35	82.70	0.31	1.14
3.64	81.97	83.18	82.58	0.31	1.14
3.69	82.09	83.01	82.55	0.30	1.14
3.74	82.10	82.90	82.50	0.30	1.14
3.79	82.19	83.08	82.64	0.30	1.14
3.84	82.10	82.92	82.51	0.30	1.14
3.89	82.20	83.13	82.67	0.30	1.14
3.94	82.04	83.05	82.54	0.30	1.14
3.99	81.98	82.94	82.46	0.30	1.14
4.03	82.04	82.95	82.50	0.30	1.14
4.08	81.96	83.05	82.50	0.30	1.14
4.13	82.03	83.04	82.53	0.30	1.14
4.18	81.93	82.84	82.38	0.30	1.14
4.23	81.92	82.87	82.39	0.30	1.14
4.28	81.92	83.18	82.55	0.31	1.14
4.33	81.84	83.18	82.51	0.31	1.14
4.38	81.98	82.99	82.48	0.30	1.14
4.43	82.03	82.84	82.44	0.30	1.14
4.48	82.12	82.94	82.53	0.30	1.14
4.53	82.02	83.01	82.52	0.30	1.14
4.58	81.83	83.09	82.46	0.30	1.14
4.63	81.87	83.09	82.48	0.31	1.14
4.67	81.82	83.20	82.51	0.31	1.14
4.72	81.71	82.97	82.34	0.30	1.14
4.77	81.88	83.13	82.51	0.30	1.14
4.82	82.02	83.07	82.55	0.30	1.14
4.87	82.04	83.14	82.59	0.31	1.14
4.92	81.92	83.04	82.48	0.31	1.14
4.97	82.09	82.79	82.44	0.30	1.14
5.02	81.85	82.77	82.31	0.30	1.14
5.07	82.02	83.03	82.52	0.30	1.14
5.12	81.65	83.09	82.37	0.31	1.14
5.17	81.60	83.27	82.44	0.31	1.14
5.22	81.79	83.33	82.56	0.31	1.14
5.26	81.89	83.02	82.46	0.30	1.14

5.31	82.01	82.91	82.46	0.30	1.14
5.36	81.92	83.09	82.51	0.31	1.14
5.41	81.76	83.08	82.42	0.31	1.14
5.46	82.09	83.13	82.61	0.30	1.14
5.51	81.99	82.86	82.43	0.30	1.14
5.56	81.85	82.88	82.37	0.30	1.14
5.61	81.73	82.89	82.31	0.30	1.14
5.66	82.02	83.05	82.53	0.30	1.14
5.71	81.96	83.11	82.54	0.30	1.14
5.76	81.92	82.87	82.39	0.30	1.14
5.81	81.93	82.98	82.46	0.30	1.14
5.86	81.87	82.97	82.42	0.30	1.14
5.90	81.95	82.81	82.38	0.30	1.14
5.95	82.00	82.91	82.46	0.30	1.14
6.00	82.02	82.91	82.47	0.30	1.14
6.05	82.14	83.02	82.58	0.30	1.14
6.10	82.03	82.80	82.42	0.30	1.14
6.15	81.94	82.94	82.44	0.30	1.14
6.20	81.81	82.77	82.29	0.30	1.14
6.25	82.04	83.05	82.55	0.30	1.14
6.30	81.92	83.06	82.49	0.30	1.14
6.35	81.89	82.87	82.38	0.30	1.14
6.40	81.88	82.73	82.30	0.30	1.14
6.45	81.97	82.84	82.41	0.30	1.14
6.49	82.11	82.89	82.50	0.30	1.14
6.54	81.93	82.85	82.39	0.30	1.14
6.59	82.02	82.93	82.48	0.30	1.14
6.64	81.93	82.80	82.36	0.30	1.14
6.69	82.17	82.91	82.54	0.30	1.14
6.74	81.85	82.63	82.24	0.30	1.14
6.79	82.02	82.83	82.43	0.30	1.14
6.84	82.07	82.95	82.51	0.30	1.14
6.89	82.09	83.01	82.55	0.30	1.14
6.94	81.95	82.75	82.35	0.30	1.14
6.99	81.88	82.89	82.39	0.30	1.14
7.04	81.90	82.90	82.40	0.30	1.14
7.09	81.97	82.82	82.39	0.30	1.14
7.13	81.99	82.97	82.48	0.30	1.14
7.18	82.06	83.02	82.54	0.30	1.14
7.23	82.13	82.94	82.53	0.30	1.14
7.28	82.01	82.84	82.42	0.30	1.14
7.33	81.85	82.95	82.40	0.30	1.14
7.38	81.85	82.90	82.38	0.30	1.14
7.43	81.83	82.81	82.32	0.30	1.14
7.48	81.98	83.06	82.52	0.30	1.14
7.53	81.91	83.03	82.47	0.30	1.14
7.58	82.03	82.93	82.48	0.30	1.14
7.63	81.89	82.86	82.37	0.30	1.14
7.68	81.95	83.03	82.49	0.30	1.14
7.73	81.90	83.03	82.46	0.30	1.14
7.77	82.02	82.96	82.49	0.30	1.14
7.82	81.94	82.97	82.46	0.30	1.14
7.87	81.81	82.88	82.35	0.30	1.14
7.92	82.00	83.05	82.53	0.30	1.14
7.97	81.85	82.79	82.32	0.30	1.14
8.02	81.89	82.84	82.36	0.30	1.14
8.07	82.07	82.93	82.50	0.30	1.14
8.12	81.90	82.78	82.34	0.30	1.14
8.17	81.99	82.88	82.43	0.30	1.14
8.22	81.94	82.77	82.36	0.30	1.14
8.27	81.99	83.02	82.50	0.30	1.14
8.32	81.86	82.78	82.32	0.30	1.14
8.36	82.10	82.83	82.47	0.30	1.14
8.41	81.93	82.64	82.28	0.30	1.14
8.46	81.95	82.82	82.39	0.30	1.14
8.51	81.90	82.86	82.38	0.30	1.14
8.56	81.88	82.83	82.35	0.30	1.14
8.61	81.94	82.82	82.38	0.30	1.14
8.66	81.93	82.90	82.41	0.30	1.14
8.71	81.88	82.76	82.32	0.30	1.14
8.76	81.86	82.83	82.35	0.30	1.14
8.81	81.79	82.98	82.39	0.30	1.14

8.86	81.93	83.08	82.51	0.30	1.14
8.91	81.86	82.77	82.31	0.30	1.14
8.96	81.99	82.79	82.39	0.30	1.14
9.00	81.95	82.81	82.38	0.30	1.14
9.05	81.89	82.88	82.38	0.30	1.14
9.10	81.93	83.04	82.49	0.31	1.14
9.15	81.74	83.11	82.43	0.31	1.14
9.20	81.74	82.93	82.34	0.30	1.14
9.25	81.92	83.05	82.49	0.31	1.14
9.30	81.91	83.03	82.47	0.31	1.14
9.35	81.72	82.81	82.27	0.30	1.14
9.40	81.74	82.98	82.36	0.30	1.14
9.45	81.79	82.75	82.27	0.30	1.14
9.50	81.94	82.74	82.34	0.30	1.14
9.55	81.99	82.57	82.28	0.30	1.14
9.59	81.91	82.73	82.32	0.30	1.14
9.64	82.07	82.85	82.46	0.30	1.14
9.69	81.83	82.89	82.36	0.30	1.14
9.74	81.78	82.67	82.22	0.30	1.14
9.79	81.73	82.88	82.30	0.30	1.14
9.84	81.79	82.92	82.35	0.30	1.14
9.89	81.83	82.88	82.35	0.30	1.14
9.94	81.74	82.95	82.35	0.30	1.14
9.99	81.77	82.74	82.25	0.30	1.14