

Eggshell thickness (mm)	Ap (cm ²)	R _{diff} (day*Torr*mg ⁻¹)	G _{H₂O} (mgH ₂ O day ⁻¹ Torr ⁻¹) derived from R _{diff}	G _{H₂O} derived from eq. 1
0	98.14	1.00E-06	997793.01	-
0.02	98.14	9.26E-07	518584.51	1008849.31
0.04	96.31	9.44E-07	348181.25	495003.03
0.06	90.64	1.00E-06	258076.08	310579.65
0.08	95.34	9.53E-07	207115.66	244995.76
0.10	90.49	1.00E-06	171446.95	186027.05
0.12	88.80	1.02E-06	145850.94	152127.01
0.14	85.96	1.06E-06	126363.61	126232.64
0.16	86.27	1.05E-06	111517.50	110854.48
0.18	87.63	1.04E-06	99955.24	100081.61
0.20	90.34	1.01E-06	90821.94	92866.52
0.22	97.91	9.28E-07	83759.93	91494.89
0.24	101.95	8.92E-07	77939.92	87333.82
0.26	121.90	7.46E-07	73659.14	96385.37
0.28	122.35	7.43E-07	69837.64	89834.80
0.31	122.76	7.40E-07	66403.86	84122.00
0.33	125.21	7.26E-07	63350.17	80443.00
0.35	124.39	7.31E-07	60547.47	75215.81
0.37	125.62	7.24E-07	58006.17	71735.05
0.39	125.54	7.24E-07	55668.20	67917.32
0.41	121.87	7.46E-07	53449.10	62637.13
0.43	105.09	8.65E-07	51087.35	51438.72
0.45	104.23	8.72E-07	48908.44	48699.68
0.47	104.39	8.71E-07	46910.66	46652.02
0.49	104.54	8.69E-07	45072.32	44775.01
0.51	107.30	8.47E-07	43414.68	44117.28
0.53	108.52	8.38E-07	41891.39	42903.62
0.55	109.49	8.30E-07	40483.58	41685.82
0.57	112.76	8.06E-07	39204.21	41395.03
0.59	114.79	7.92E-07	38023.81	40686.51
0.61	115.94	7.84E-07	36923.18	39726.75
0.63	118.96	7.64E-07	35910.09	39445.39
0.65	122.64	7.41E-07	34979.13	39394.60
0.67	126.21	7.20E-07	34119.65	39314.50
0.69	130.09	6.99E-07	33325.19	39329.50
0.71	132.70	6.85E-07	32581.49	38973.28
0.73	133.00	6.83E-07	31871.82	37976.07
0.75	133.88	6.79E-07	31196.80	37195.30
0.77	135.20	6.72E-07	30555.93	36571.68
0.79	137.15	6.63E-07	29949.43	36147.94
0.81	138.68	6.55E-07	29372.87	35638.48
0.83	140.29	6.48E-07	28824.34	35173.43
0.85	141.67	6.42E-07	28300.98	34673.25
0.88	142.43	6.38E-07	27798.90	34047.15
0.90	144.77	6.28E-07	27322.02	33820.06
0.92	146.21	6.22E-07	26865.71	33398.15

0.94	147.96	6.14E-07	26429.53	33064.31
0.96	148.77	6.11E-07	26009.54	32537.11
0.98	149.29	6.09E-07	25604.09	31970.62
1.00	147.85	6.15E-07	25207.31	31015.42
1.02	146.33	6.21E-07	24818.70	30082.39
1.04	146.65	6.20E-07	24442.71	29558.05
1.06	144.77	6.28E-07	24073.27	28616.98
1.08	143.01	6.36E-07	23710.49	27736.63
1.10	143.69	6.33E-07	23360.12	27351.68
1.12	144.53	6.29E-07	23021.91	27012.31
1.14	144.56	6.29E-07	22693.42	26534.72
1.16	146.17	6.22E-07	22377.64	26359.93
1.18	149.37	6.09E-07	22077.01	26472.27
1.20	152.31	5.97E-07	21789.93	26535.49
1.22	153.35	5.93E-07	21512.09	26271.42
1.24	153.28	5.93E-07	21241.13	25829.79
1.26	154.61	5.88E-07	20979.15	25633.04
1.28	154.71	5.87E-07	20723.73	25243.13
1.30	154.56	5.88E-07	20474.20	24823.65
1.32	152.65	5.95E-07	20227.60	24139.52
1.34	152.10	5.98E-07	19986.01	23688.72
1.36	152.50	5.96E-07	19750.74	23397.00
1.38	153.37	5.93E-07	19522.23	23184.60
1.40	154.22	5.89E-07	19300.17	22974.48
1.42	153.97	5.90E-07	19082.75	22610.00
1.45	155.48	5.85E-07	18872.21	22509.89
1.47	155.10	5.86E-07	18665.78	22143.43
1.49	155.60	5.84E-07	18464.45	21909.66
1.51	155.78	5.83E-07	18267.64	21638.86
1.53	158.48	5.74E-07	18078.23	21720.98
1.55	161.43	5.63E-07	17896.08	21834.33
1.57	163.62	5.56E-07	17719.91	21842.35
1.59	167.96	5.41E-07	17551.60	22134.57
1.61	170.65	5.33E-07	17389.04	22204.56
1.63	169.94	5.35E-07	17228.80	21835.13
1.65	170.63	5.33E-07	17072.11	21653.00
1.67	170.46	5.33E-07	16918.10	21367.75
1.69	170.81	5.32E-07	16767.15	21153.78
1.71	172.04	5.28E-07	16619.93	21053.09
1.73	173.76	5.23E-07	16476.68	21012.94
1.75	174.77	5.20E-07	16336.69	20889.82
1.77	176.50	5.15E-07	16200.40	20854.00
1.79	177.93	5.11E-07	16067.43	20784.08
1.81	175.97	5.17E-07	15935.18	20323.81
1.83	174.01	5.22E-07	15803.63	19873.77
1.85	172.04	5.28E-07	15672.77	19433.62
1.87	169.79	5.35E-07	15542.37	18971.09
1.89	167.71	5.42E-07	15412.55	18537.18

1.91	167.71	5.42E-07	15284.88	18339.97
1.93	166.71	5.45E-07	15158.55	18038.60
1.95	166.30	5.47E-07	15033.99	17806.15
1.97	165.24	5.50E-07	14910.69	17510.99
1.99	163.96	5.54E-07	14788.44	17197.30
2.01	161.46	5.63E-07	14666.35	16764.41
2.04	158.83	5.72E-07	14544.28	16326.81
2.06	156.77	5.80E-07	14422.65	15954.78
2.08	154.13	5.90E-07	14301.02	15532.39
2.10	151.77	5.99E-07	14179.58	15146.75
2.12	152.52	5.96E-07	14060.76	15074.35
2.14	152.28	5.97E-07	13943.73	14907.87
2.16	151.03	6.02E-07	13827.70	14646.20
2.18	151.33	6.01E-07	13713.80	14538.05
2.20	154.19	5.89E-07	13603.83	14675.67
2.22	156.94	5.79E-07	13497.48	14799.72
2.24	160.42	5.67E-07	13395.04	14990.78
2.26	165.14	5.50E-07	13297.01	15292.76
2.28	167.70	5.42E-07	13201.86	15391.29
2.30	169.88	5.35E-07	13109.27	15453.77
2.32	171.15	5.31E-07	13018.63	15431.92
2.34	174.10	5.22E-07	12930.74	15561.52
2.36	176.20	5.16E-07	12845.06	15614.01
2.38	178.36	5.10E-07	12761.52	15670.16
2.40	180.71	5.03E-07	12680.14	15742.35
2.42	182.95	4.97E-07	12600.75	15803.23
2.44	185.06	4.91E-07	12523.25	15851.95
2.46	189.75	4.79E-07	12448.57	16119.65
2.48	196.07	4.64E-07	12377.14	16519.89
2.50	201.23	4.52E-07	12308.33	16816.93
2.52	205.98	4.41E-07	12241.84	17074.68
2.54	210.80	4.31E-07	12177.56	17334.73
2.56	216.22	4.20E-07	12115.54	17639.44
2.58	220.20	4.13E-07	12055.25	17822.54
2.61	223.81	4.06E-07	11996.52	17973.55
2.63	227.26	4.00E-07	11939.23	18108.75
2.65	231.21	3.93E-07	11883.46	18281.97
2.67	234.46	3.88E-07	11828.96	18397.45
2.69	238.47	3.81E-07	11775.87	18569.90
2.71	241.64	3.76E-07	11723.94	18675.45
2.73	248.88	3.65E-07	11673.95	19091.59
2.75	256.95	3.54E-07	11625.94	19564.91
2.77	265.14	3.43E-07	11579.79	20040.12
2.79	269.84	3.37E-07	11534.80	20245.99
2.81	274.02	3.32E-07	11490.84	20411.11
2.83	274.84	3.31E-07	11447.33	20324.84
2.85	275.36	3.30E-07	11404.24	20217.84
2.87	278.91	3.26E-07	11362.01	20333.20

2.89	281.33	3.23E-07	11320.46	20365.06
2.91	282.85	3.21E-07	11279.43	20331.99
2.93	283.02	3.21E-07	11238.71	20202.86
2.95	281.38	3.23E-07	11198.06	19947.40
2.97	279.95	3.25E-07	11157.50	19710.09
2.99	278.86	3.26E-07	11117.07	19499.64
3.01	277.29	3.28E-07	11076.70	19258.63
3.03	276.71	3.28E-07	11036.55	19089.91
3.05	274.43	3.31E-07	10996.35	18805.84
3.07	272.89	3.33E-07	10956.22	18576.86
3.09	273.91	3.32E-07	10916.53	18523.22
3.11	273.48	3.32E-07	10877.07	18373.33
3.13	271.86	3.34E-07	10837.65	18146.42
3.15	270.79	3.36E-07	10798.37	17957.78
3.17	272.09	3.34E-07	10759.56	17928.34
3.20	273.20	3.33E-07	10721.18	17887.35
3.22	274.96	3.31E-07	10683.32	17888.32
3.24	276.40	3.29E-07	10645.92	17869.11
3.26	279.15	3.26E-07	10609.14	17933.67
3.28	285.19	3.19E-07	10573.39	18208.26
3.30	291.59	3.12E-07	10538.66	18501.73
3.32	299.62	3.03E-07	10505.07	18894.91
3.34	308.22	2.95E-07	10472.63	19318.33
3.36	316.81	2.87E-07	10441.25	19736.62
3.38	322.63	2.82E-07	10410.63	19978.39
3.40	328.85	2.76E-07	10380.76	20241.28
3.42	333.61	2.72E-07	10351.48	20411.94
3.44	338.24	2.69E-07	10322.77	20572.67
3.46	344.16	2.64E-07	10294.70	20810.13
3.48	346.40	2.62E-07	10266.97	20822.85
3.50	347.22	2.62E-07	10239.45	20750.74
3.52	348.10	2.61E-07	10212.15	20683.32
3.54	349.18	2.60E-07	10185.07	20628.20
3.56	351.03	2.59E-07	10158.28	20618.76
3.58	354.34	2.57E-07	10131.88	20695.24
3.60	357.53	2.54E-07	10105.85	20763.30
3.62	364.45	2.49E-07	10080.44	21046.07
3.64	368.98	2.46E-07	10055.47	21189.05
3.66	370.07	2.46E-07	10030.70	21133.70
3.68	371.84	2.44E-07	10006.17	21117.35
3.70	374.35	2.43E-07	9981.91	21143.04
3.72	376.17	2.42E-07	9957.90	21129.75
3.74	381.61	2.38E-07	9934.33	21318.51
3.77	385.30	2.36E-07	9911.11	21408.43
3.79	384.87	2.36E-07	9887.96	21269.62
3.81	382.23	2.38E-07	9864.77	21010.80
3.83	381.31	2.38E-07	9841.63	20848.57
3.85	377.97	2.40E-07	9818.39	20556.54

3.87	373.14	2.44E-07	9794.96	20187.40
3.89	368.81	2.46E-07	9771.37	19848.71
3.91	364.72	2.49E-07	9747.64	19526.08
3.93	363.22	2.50E-07	9723.92	19345.27
3.95	363.33	2.50E-07	9700.32	19251.07
3.97	364.85	2.49E-07	9676.94	19232.53
3.99	366.07	2.48E-07	9653.74	19198.49
4.01	367.84	2.47E-07	9630.77	19193.30
4.03	372.61	2.44E-07	9608.19	19344.07
4.05	379.21	2.40E-07	9586.12	19588.02
4.07	384.45	2.36E-07	9564.44	19759.36
4.09	389.88	2.33E-07	9543.16	19938.31
4.11	399.07	2.28E-07	9522.46	20307.34
4.13	406.70	2.23E-07	9502.24	20593.75
4.15	413.81	2.20E-07	9482.45	20851.14
4.17	421.10	2.16E-07	9463.08	21115.14
4.19	428.81	2.12E-07	9444.14	21397.34
4.21	437.38	2.08E-07	9425.64	21719.43
4.23	445.26	2.04E-07	9407.54	22004.36
4.25	450.80	2.02E-07	9389.73	22171.47
4.27	457.03	1.99E-07	9372.22	22370.72
4.29	460.82	1.97E-07	9354.93	22449.64
4.31	468.86	1.94E-07	9338.00	22733.32
4.34	475.94	1.91E-07	9321.37	22968.53
4.36	485.12	1.87E-07	9305.12	23302.09
4.38	494.00	1.84E-07	9289.22	23618.25
4.40	501.67	1.81E-07	9273.61	23873.94
4.42	506.05	1.80E-07	9258.19	23971.47
4.44	510.79	1.78E-07	9242.96	24084.65
4.46	514.57	1.77E-07	9227.90	24152.25
4.48	515.57	1.76E-07	9212.91	24089.24
4.50	515.28	1.76E-07	9197.96	23966.94
4.52	510.73	1.78E-07	9182.93	23648.28
4.54	507.89	1.79E-07	9167.86	23410.99
4.56	501.35	1.81E-07	9152.65	23006.39
4.58	497.28	1.83E-07	9137.36	22718.23
4.60	496.98	1.83E-07	9122.12	22604.10
4.62	492.56	1.85E-07	9106.79	22304.36
4.64	489.96	1.86E-07	9091.43	22089.31
4.66	485.85	1.87E-07	9075.99	21808.43
4.68	481.57	1.89E-07	9060.47	21522.45
4.70	478.48	1.90E-07	9044.90	21291.59
4.72	476.42	1.91E-07	9029.32	21108.80
4.74	475.90	1.91E-07	9013.78	20995.27
4.76	474.86	1.91E-07	8998.25	20859.85
4.78	473.36	1.92E-07	8982.73	20705.12
4.80	473.56	1.92E-07	8967.27	20626.45
4.82	471.78	1.93E-07	8951.81	20462.16

4.84	471.38	1.93E-07	8936.38	20358.78
4.86	473.98	1.92E-07	8921.09	20385.43
4.88	477.85	1.90E-07	8905.98	20466.43
4.90	485.15	1.87E-07	8891.15	20692.59
4.93	494.68	1.84E-07	8876.64	21011.87
4.95	504.01	1.80E-07	8862.46	21320.27
4.97	512.88	1.77E-07	8848.56	21606.43
4.99	520.99	1.74E-07	8834.92	21858.62
5.01	526.10	1.73E-07	8821.45	21983.26
5.03	529.52	1.72E-07	8808.12	22036.55
5.05	530.43	1.71E-07	8794.84	21985.42
5.07	535.06	1.70E-07	8781.72	22088.19
5.09	542.36	1.68E-07	8768.82	22300.26
5.11	549.96	1.65E-07	8756.13	22522.35
5.13	558.64	1.63E-07	8743.67	22787.23
5.15	566.38	1.60E-07	8731.42	23011.46
5.17	572.44	1.59E-07	8719.33	23166.04
5.19	576.78	1.58E-07	8707.37	23250.24
5.21	583.28	1.56E-07	8695.57	23420.43
5.23	589.99	1.54E-07	8683.93	23597.62
5.25	595.89	1.53E-07	8672.45	23741.32
5.27	598.05	1.52E-07	8661.03	23735.31
5.29	600.14	1.51E-07	8649.68	23726.78
5.31	602.61	1.51E-07	8638.41	23733.16
5.33	603.01	1.51E-07	8627.18	23658.38
5.35	604.33	1.50E-07	8616.00	23619.75
5.37	605.91	1.50E-07	8604.88	23592.04
5.39	609.42	1.49E-07	8593.85	23639.17
5.41	613.52	1.48E-07	8582.92	23708.56
5.43	615.46	1.48E-07	8572.06	23694.34
5.45	613.74	1.48E-07	8561.19	23540.11
5.47	612.80	1.48E-07	8550.33	23416.83
5.50	612.22	1.48E-07	8539.49	23307.83
5.52	611.65	1.49E-07	8528.67	23200.12
5.54	609.80	1.49E-07	8517.84	23045.06
5.56	606.38	1.50E-07	8506.98	22831.90
5.58	604.55	1.50E-07	8496.11	22679.80
5.60	605.47	1.50E-07	8485.29	22631.83
