

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
637.91	8.0000e-05	6.3673e-06	5.1656e-06	-2.3332e-06	4.0000e-05	2.5840e-05
638.00	2.0000e-05	-2.0000e-05	5.1675e-06	8.3524e-06	2.0000e-05	6.7040e-06
638.09	3.0000e-05	-5.6689e-06	7.0836e-06	8.3626e-06	3.0000e-05	1.3955e-05
638.18	4.0000e-05	-5.6872e-06	1.0000e-05	7.7319e-06	3.0000e-05	1.6409e-05
638.27	1.0000e-05	-2.0000e-05	1.0000e-05	3.0000e-05	4.0000e-05	1.4000e-05
638.36	3.0000e-05	-2.0000e-05	2.0000e-05	4.0000e-05	3.0000e-05	2.0000e-05
638.45	3.0000e-05	-1.0000e-05	3.2587e-06	1.0000e-05	3.0000e-05	1.2652e-05
638.54	3.0000e-05	-8.3244e-06	-6.3998e-06	1.0000e-05	4.0000e-05	1.3055e-05
638.63	3.0000e-05	-7.6943e-06	2.0000e-05	1.0000e-05	2.0000e-05	1.4461e-05
638.72	3.0000e-05	5.1906e-06	-9.6432e-06	2.0000e-05	3.0000e-05	1.5109e-05
638.81	4.0000e-05	7.1414e-06	2.0000e-05	3.0000e-05	1.0000e-05	2.1428e-05
638.90	2.0000e-05	-1.0000e-05	-1.9280e-06	1.0000e-05	2.0000e-05	7.6144e-06
638.99	4.0000e-05	-6.4691e-06	-7.7734e-06	2.0000e-05	3.0000e-05	1.5151e-05
639.08	2.0000e-05	1.0000e-05	1.0000e-05	-1.9420e-06	3.0000e-05	1.3612e-05
639.17	4.0000e-05	-6.5003e-06	8.4625e-06	-5.8546e-06	2.0000e-05	1.1222e-05
639.26	4.0000e-05	1.3009e-06	1.0000e-05	-1.9608e-06	4.5608e-06	1.0780e-05
639.35	4.0000e-05	2.0000e-05	1.0000e-05	4.5656e-06	1.0000e-05	1.6913e-05
639.44	4.0000e-05	1.0000e-05	-2.0000e-05	-1.9793e-06	1.0000e-05	7.6041e-06
639.53	3.0000e-05	8.4901e-06	4.0000e-05	1.0000e-05	1.0000e-05	1.9698e-05
639.62	4.0000e-05	8.5034e-06	2.0000e-05	-2.5822e-08	8.5112e-06	1.5398e-05
639.71	4.0000e-05	2.0000e-05	1.0000e-05	3.0000e-05	2.0000e-05	2.4000e-05
639.80	5.0000e-05	2.0000e-05	2.0000e-05	-3.9833e-06	2.0000e-05	2.1203e-05
639.89	2.0000e-05	7.2104e-06	-2.6765e-06	6.1719e-07	2.0000e-05	9.0302e-06
639.98	5.0000e-05	1.0000e-05	2.0000e-05	2.0000e-05	1.0000e-05	2.2000e-05
640.07	4.0000e-05	3.2546e-06	2.0000e-05	3.9159e-06	5.0000e-05	2.3434e-05
640.16	5.0000e-05	2.0000e-05	2.0000e-05	7.2314e-06	2.0000e-05	2.3446e-05
640.25	6.0000e-05	3.0000e-05	1.0000e-05	2.0000e-05	4.0000e-05	3.2000e-05
640.34	5.9115e-06	1.2629e-06	2.0000e-05	2.0000e-05	2.0000e-05	1.3435e-05
640.43	5.0000e-05	5.9169e-06	9.9055e-06	2.0000e-05	4.0000e-05	2.5164e-05
640.52	5.0000e-05	3.0000e-05	3.0000e-05	8.5896e-06	3.0000e-05	2.9718e-05
640.61	6.0000e-05	2.0000e-05	3.0000e-05	1.0000e-05	2.0000e-05	2.8000e-05
640.70	7.0000e-05	1.0000e-05	4.0000e-05	3.0000e-05	4.0000e-05	3.8000e-05
640.79	4.0000e-05	2.0000e-05	1.0000e-05	5.9356e-06	4.0000e-05	2.3187e-05
640.88	6.0000e-05	2.0000e-05	2.0000e-05	3.0000e-05	4.0000e-05	3.4000e-05
640.97	6.0000e-05	4.0000e-05	2.0000e-05	3.0000e-05	5.0000e-05	4.0000e-05
641.06	6.0000e-05	4.0000e-05	3.0000e-05	4.0000e-05	3.0000e-05	4.0000e-05
641.15	5.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	5.0000e-05	4.0000e-05
641.24	8.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05	5.0000e-05	4.2000e-05
641.33	6.0000e-05	2.0000e-05	5.0000e-05	5.0000e-05	7.0000e-05	5.0000e-05
641.42	7.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	5.0000e-05	4.8000e-05
641.51	8.0000e-05	3.0000e-05	5.0000e-05	2.0000e-05	8.0000e-05	5.2000e-05
641.60	1.0000e-04	5.0000e-05	4.0000e-05	5.0000e-05	8.0000e-05	6.4000e-05
641.69	1.0000e-04	6.0000e-05	5.0000e-05	4.0000e-05	7.0000e-05	6.4000e-05
641.78	7.0000e-05	4.0000e-05	5.0000e-05	6.0000e-05	8.0000e-05	6.0000e-05
641.87	9.0000e-05	2.0000e-05	6.0000e-05	6.0000e-05	1.0000e-04	6.6000e-05
641.96	1.0000e-04	6.0000e-05	6.0000e-05	6.0000e-05	8.0000e-05	7.2000e-05
642.05	1.0000e-04	2.0000e-05	6.0000e-05	6.0000e-05	8.0000e-05	6.4000e-05
642.14	0.00013000	4.0000e-05	7.0000e-05	3.0000e-05	1.0000e-04	7.4000e-05
642.23	0.00013000	3.0000e-05	6.0000e-05	8.0000e-05	9.0000e-05	7.8000e-05

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
642.32	0.00013000	3.0000e-05	6.0000e-05	7.0000e-05	7.0000e-05	7.2000e-05
642.41	1.0000e-04	6.0000e-05	7.0000e-05	8.0000e-05	9.0000e-05	8.0000e-05
642.50	0.00014000	4.0000e-05	8.0000e-05	8.0000e-05	0.00011000	9.0000e-05
642.59	0.00012000	6.0000e-05	7.0000e-05	8.0000e-05	1.0000e-04	8.6000e-05
642.68	0.00016000	5.0000e-05	6.0000e-05	8.0000e-05	0.00012000	9.4000e-05
642.77	0.00014000	5.0000e-05	8.0000e-05	9.0000e-05	1.0000e-04	9.2000e-05
642.86	0.00016000	9.0000e-05	9.0000e-05	9.0000e-05	0.00013000	0.0001120 0
642.95	0.00017000	5.0000e-05	9.0000e-05	9.0000e-05	0.00012000	0.0001040 0
643.04	0.00018000	8.0000e-05	8.0000e-05	0.00012000	0.00013000	0.0001180 0
643.13	0.00016000	9.0000e-05	9.0000e-05	1.0000e-04	0.00015000	0.0001180 0
643.22	0.00018000	1.0000e-04	0.00013000	0.00011000	0.00012000	0.0001280 0
643.31	0.00021000	1.0000e-04	0.00011000	0.00011000	0.00015000	0.0001360 0
643.40	0.00019000	1.0000e-04	0.00011000	0.00011000	0.00014000	0.0001300 0
643.49	0.00022000	0.00011000	0.00011000	0.00013000	0.00015000	0.0001440 0
643.58	0.00023000	0.00014000	9.0000e-05	0.00013000	0.00018000	0.0001540 0
643.67	0.00024000	0.00012000	0.00012000	0.00015000	0.00017000	0.0001600 0
643.76	0.00028000	0.00013000	0.00014000	0.00015000	0.00021000	0.0001820 0
643.85	0.00028000	0.00016000	0.00011000	0.00018000	0.00020000	0.0001860 0
643.94	0.00030000	0.00016000	0.00015000	0.00018000	0.00023000	0.0002040 0
644.03	0.00030000	0.00020000	0.00016000	0.00016000	0.00022000	0.0002080 0
644.12	0.00034000	0.00020000	0.00017000	0.00021000	0.00024000	0.0002320 0
644.21	0.00034000	0.00019000	0.00016000	0.00021000	0.00028000	0.0002360 0
644.30	0.00036000	0.00024000	0.00018000	0.00022000	0.00028000	0.0002560 0
644.39	0.00037000	0.00023000	0.00017000	0.00024000	0.00031000	0.0002640 0
644.48	0.00042000	0.00025000	0.00017000	0.00025000	0.00033000	0.0002840 0
644.57	0.00045000	0.00027000	0.00022000	0.00027000	0.00036000	0.0003140 0
644.66	0.00047000	0.00030000	0.00023000	0.00030000	0.00037000	0.0003340 0
644.75	0.00054000	0.00032000	0.00023000	0.00028000	0.00041000	0.0003560 0
644.84	0.00056000	0.00034000	0.00025000	0.00034000	0.00043000	0.0003840

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
						0
644.93	0.00061000	0.00036000	0.00029000	0.00036000	0.00043000	0.0004100 0
645.02	0.00062000	0.00038000	0.00029000	0.00038000	0.00050000	0.0004340 0
645.11	0.00069000	0.00039000	0.00030000	0.00041000	0.00052000	0.0004620 0
645.20	0.00073000	0.00046000	0.00033000	0.00043000	0.00055000	0.0005000 0
645.29	0.00078000	0.00046000	0.00035000	0.00047000	0.00062000	0.0005360 0
645.38	0.00087000	0.00052000	0.00039000	0.00053000	0.00064000	0.0005900 0
645.47	0.00092000	0.00057000	0.00038000	0.00054000	0.00071000	0.0006240 0
645.56	0.00098000	0.00058000	0.00045000	0.00058000	0.00075000	0.0006680 0
645.65	0.0010600	0.00062000	0.00048000	0.00063000	0.00080000	0.0007180 0
645.74	0.0011600	0.00068000	0.00048000	0.00067000	0.00087000	0.0007720 0
645.83	0.0012300	0.00072000	0.00053000	0.00073000	0.00097000	0.0008360 0
645.92	0.0013400	0.00078000	0.00055000	0.00080000	0.0010200	0.0008980 0
646.01	0.0014600	0.00084000	0.00060000	0.00085000	0.0011000	0.0009700 0
646.10	0.0015800	0.00093000	0.00067000	0.00093000	0.0011700	0.0010560
646.19	0.0017000	0.00097000	0.00070000	0.00098000	0.0012900	0.0011280
646.28	0.0018300	0.0010600	0.00076000	0.0011000	0.0014000	0.0012300
646.37	0.0020400	0.0011500	0.00081000	0.0011700	0.0015000	0.0013340
646.46	0.0022100	0.0012600	0.00089000	0.0012800	0.0016400	0.0014560
646.55	0.0024000	0.0013400	0.00093000	0.0013700	0.0017600	0.0015600
646.64	0.0026000	0.0014300	0.0010200	0.0014700	0.0019200	0.0016880
646.73	0.0028600	0.0016100	0.0011300	0.0016300	0.0020900	0.0018640
646.82	0.0031300	0.0017300	0.0011800	0.0017500	0.0022800	0.0020140
646.91	0.0034200	0.0019100	0.0013000	0.0019200	0.0024600	0.0022020
647.00	0.0037400	0.0020800	0.0014000	0.0020900	0.0027200	0.0024060
647.09	0.0041100	0.0022200	0.0014900	0.0022500	0.0029500	0.0026040
647.18	0.0044700	0.0024500	0.0016200	0.0024800	0.0032000	0.0028440
647.27	0.0049000	0.0026500	0.0017600	0.0026700	0.0035400	0.0031040
647.36	0.0055100	0.0029200	0.0019000	0.0029200	0.0038700	0.0034240
647.45	0.0060300	0.0032500	0.0020800	0.0032500	0.0043100	0.0037840
647.54	0.0066600	0.0035900	0.0022800	0.0035400	0.0047200	0.0041580
647.63	0.0073300	0.0038900	0.0024200	0.0038500	0.0051500	0.0045280
647.72	0.0080800	0.0042100	0.0026600	0.0042500	0.0056800	0.0049760
647.81	0.0089000	0.0046600	0.0029500	0.0046300	0.0062200	0.0054720
647.90	0.010040	0.0051900	0.0032200	0.0051500	0.0069300	0.0061060
647.99	0.011130	0.0057200	0.0035500	0.0057200	0.0077200	0.0067680
648.08	0.012520	0.0063400	0.0038900	0.0063100	0.0085900	0.0075300

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
648.17	0.013730	0.0069200	0.0042500	0.0069000	0.0094200	0.0082440
648.26	0.015390	0.0077400	0.0046400	0.0076100	0.010420	0.0091600
648.35	0.017210	0.0085800	0.0051200	0.0084600	0.011690	0.010212
648.44	0.019410	0.0095400	0.0056500	0.0094400	0.013170	0.011442
648.53	0.021930	0.010660	0.0062500	0.010510	0.014760	0.012822
648.62	0.024740	0.011970	0.0069200	0.011770	0.016520	0.014384
648.71	0.027560	0.013140	0.0076800	0.012960	0.018340	0.015936
648.80	0.031120	0.014730	0.0084100	0.014530	0.020620	0.017882
648.89	0.035240	0.016480	0.0093400	0.016200	0.023100	0.020072
648.98	0.040240	0.018510	0.010490	0.018310	0.026350	0.022780
649.07	0.045860	0.021000	0.011720	0.020730	0.029950	0.025852
649.16	0.052710	0.023780	0.013220	0.023400	0.034040	0.029430
649.25	0.059090	0.026430	0.014530	0.026000	0.038000	0.032810
649.34	0.066900	0.029690	0.016260	0.029290	0.042960	0.037020
649.43	0.076440	0.033620	0.018230	0.033170	0.048820	0.042056
649.52	0.088450	0.038430	0.020670	0.038060	0.056140	0.048350
649.61	0.10107	0.043860	0.023280	0.043400	0.064330	0.055188
649.70	0.11663	0.050070	0.026480	0.049710	0.073720	0.063322
649.79	0.13016	0.055710	0.029420	0.055380	0.082300	0.070594
649.88	0.14959	0.063830	0.033290	0.063350	0.094420	0.080896
649.97	0.17107	0.073030	0.037850	0.072480	0.10802	0.092490
650.06	0.19611	0.084220	0.043430	0.083300	0.12404	0.10622
650.15	0.22324	0.096200	0.049300	0.095610	0.14165	0.12120
650.24	0.25504	0.11077	0.056760	0.11015	0.16271	0.13909
650.33	0.28242	0.12401	0.063430	0.12381	0.18096	0.15493
650.42	0.31913	0.14230	0.072630	0.14185	0.20648	0.17648
650.51	0.35813	0.16289	0.083410	0.16316	0.23457	0.20043
650.60	0.40081	0.18698	0.096330	0.18709	0.26609	0.22746
650.69	0.44422	0.21265	0.11018	0.21413	0.29957	0.25615
650.78	0.49149	0.24357	0.12746	0.24535	0.33839	0.28925
650.87	0.52819	0.26980	0.14265	0.27229	0.37016	0.31662
650.96	0.57403	0.30512	0.16409	0.30926	0.41280	0.35306
651.05	0.61526	0.34201	0.18677	0.34658	0.45477	0.38908
651.14	0.65871	0.38474	0.21553	0.39130	0.50222	0.43050
651.23	0.69546	0.42702	0.24507	0.43425	0.54623	0.46961
651.32	0.72878	0.47234	0.27832	0.48091	0.59194	0.51046
651.41	0.75350	0.51130	0.31035	0.52156	0.62864	0.54507
651.50	0.77681	0.55539	0.34807	0.56626	0.66869	0.58304
651.59	0.79522	0.59796	0.38908	0.60994	0.70529	0.61950
651.68	0.81123	0.64152	0.43513	0.65393	0.74040	0.65644
651.77	0.82104	0.68029	0.48052	0.69204	0.76815	0.68841
651.86	0.82809	0.71608	0.52716	0.72731	0.79255	0.71824
651.95	0.83212	0.74252	0.56663	0.75254	0.80912	0.74059
652.04	0.83536	0.77025	0.61237	0.77888	0.82531	0.76443
652.13	0.83527	0.79089	0.65303	0.79813	0.83564	0.78259
652.22	0.83540	0.80920	0.69397	0.81513	0.84382	0.79950
652.31	0.83373	0.82324	0.72888	0.82658	0.84943	0.81237
652.40	0.83182	0.83302	0.76068	0.83411	0.85177	0.82228
652.49	0.82970	0.83821	0.78204	0.83783	0.85316	0.82819

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WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
652.58	0.82714	0.84143	0.80241	0.84055	0.85219	0.83274
652.67	0.82552	0.84364	0.81848	0.84122	0.85126	0.83602
652.76	0.82340	0.84372	0.83004	0.84021	0.84916	0.83731
652.85	0.82135	0.84206	0.83828	0.83847	0.84637	0.83731
652.94	0.82051	0.84051	0.84219	0.83635	0.84413	0.83674
653.03	0.81937	0.83780	0.84419	0.83414	0.84246	0.83559
653.12	0.81994	0.83760	0.84581	0.83221	0.84110	0.83533
653.21	0.81927	0.83452	0.84509	0.82978	0.83957	0.83365
653.30	0.81889	0.83261	0.84277	0.82741	0.83767	0.83187
653.39	0.82014	0.83089	0.84062	0.82580	0.83828	0.83115
653.48	0.82090	0.82958	0.83762	0.82531	0.83682	0.83005
653.57	0.82156	0.82883	0.83581	0.82436	0.83762	0.82964
653.66	0.82362	0.82910	0.83418	0.82488	0.83884	0.83012
653.75	0.82498	0.82829	0.83239	0.82427	0.83922	0.82983
653.84	0.82634	0.82891	0.82993	0.82473	0.83967	0.82992
653.93	0.82785	0.83011	0.82932	0.82517	0.84213	0.83092
654.02	0.82972	0.83139	0.82893	0.82715	0.84345	0.83213
654.11	0.83033	0.83201	0.82869	0.82781	0.84407	0.83258
654.20	0.83230	0.83257	0.82848	0.82954	0.84547	0.83367
654.29	0.83390	0.83505	0.82958	0.83116	0.84807	0.83555
654.38	0.83525	0.83597	0.83018	0.83236	0.84899	0.83655
654.47	0.83683	0.83865	0.83247	0.83477	0.85170	0.83888
654.56	0.83677	0.83950	0.83220	0.83606	0.85245	0.83940
654.65	0.83792	0.84177	0.83517	0.83828	0.85509	0.84165
654.74	0.83973	0.84396	0.83669	0.84070	0.85579	0.84337
654.83	0.84079	0.84572	0.83908	0.84211	0.85703	0.84495
654.92	0.84215	0.84767	0.84129	0.84391	0.85993	0.84699
655.01	0.84203	0.84864	0.84295	0.84507	0.85968	0.84767
655.10	0.84320	0.85073	0.84455	0.84721	0.86035	0.84921
655.19	0.84380	0.85163	0.84685	0.84769	0.86257	0.85051
655.28	0.84438	0.85325	0.84795	0.84964	0.86339	0.85172
655.37	0.84499	0.85508	0.85080	0.85032	0.86467	0.85317
655.46	0.84562	0.85546	0.85225	0.85237	0.86541	0.85422
655.55	0.84528	0.85638	0.85382	0.85250	0.86517	0.85463
655.64	0.84637	0.85729	0.85603	0.85405	0.86602	0.85595
655.73	0.84623	0.85840	0.85705	0.85395	0.86692	0.85651
655.82	0.84553	0.85874	0.85790	0.85476	0.86758	0.85690
655.91	0.84544	0.85858	0.85839	0.85448	0.86664	0.85671
656.00	0.84685	0.85980	0.86047	0.85588	0.86772	0.85814
656.09	0.84662	0.86024	0.86101	0.85571	0.86750	0.85822
656.18	0.84685	0.86067	0.86227	0.85600	0.86784	0.85873
656.27	0.84667	0.86071	0.86273	0.85671	0.86826	0.85902
656.36	0.84693	0.85983	0.86339	0.85637	0.86803	0.85891
656.45	0.84640	0.86057	0.86327	0.85569	0.86763	0.85871
656.54	0.84666	0.86129	0.86406	0.85646	0.86839	0.85937
656.63	0.84564	0.86074	0.86334	0.85617	0.86784	0.85875
656.72	0.84591	0.85995	0.86345	0.85556	0.86802	0.85858
656.81	0.84655	0.86088	0.86358	0.85617	0.86804	0.85904
656.90	0.84583	0.86072	0.86326	0.85609	0.86794	0.85877

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
656.99	0.84536	0.86007	0.86327	0.85532	0.86700	0.85820
657.08	0.84563	0.86085	0.86371	0.85571	0.86777	0.85873
657.17	0.84480	0.85995	0.86356	0.85539	0.86676	0.85809
657.26	0.84565	0.85948	0.86211	0.85475	0.86668	0.85773
657.35	0.84485	0.85979	0.86287	0.85393	0.86618	0.85752
657.44	0.84478	0.85906	0.86241	0.85365	0.86601	0.85718
657.53	0.84445	0.85923	0.86209	0.85367	0.86606	0.85710
657.62	0.84402	0.85786	0.86146	0.85271	0.86557	0.85632
657.71	0.84378	0.85843	0.86163	0.85330	0.86558	0.85654
657.80	0.84299	0.85897	0.86091	0.85220	0.86546	0.85611
657.89	0.84335	0.85839	0.86065	0.85309	0.86526	0.85615
657.98	0.84140	0.85857	0.86033	0.85252	0.86483	0.85553
658.07	0.84050	0.85843	0.86098	0.85214	0.86433	0.85528
658.16	0.83864	0.85659	0.85980	0.85156	0.86319	0.85396
658.25	0.83561	0.85629	0.85909	0.85039	0.86083	0.85244
658.34	0.83115	0.85484	0.85829	0.84913	0.85898	0.85048
658.43	0.82820	0.85439	0.85797	0.84898	0.85792	0.84949
658.52	0.82237	0.85373	0.85775	0.84798	0.85518	0.84740
658.61	0.81435	0.85016	0.85672	0.84490	0.85060	0.84335
658.70	0.80602	0.84954	0.85663	0.84339	0.84670	0.84046
658.79	0.79443	0.84552	0.85493	0.84035	0.83987	0.83502
658.88	0.78182	0.84087	0.85331	0.83677	0.83311	0.82918
658.97	0.76761	0.83699	0.85154	0.83261	0.82496	0.82274
659.06	0.74852	0.83024	0.84981	0.82570	0.81467	0.81379
659.15	0.72752	0.82231	0.84721	0.81839	0.80205	0.80350
659.24	0.70292	0.81280	0.84389	0.80927	0.78679	0.79113
659.33	0.67584	0.80194	0.83856	0.79778	0.76989	0.77680
659.42	0.64808	0.78930	0.83421	0.78492	0.75012	0.76133
659.51	0.61778	0.77500	0.82713	0.76986	0.72873	0.74370
659.60	0.58269	0.75552	0.81812	0.75105	0.70298	0.72207
659.69	0.54759	0.73485	0.80877	0.73014	0.67522	0.69931
659.78	0.50867	0.71030	0.79541	0.70482	0.64356	0.67255
659.87	0.47038	0.68344	0.78044	0.67790	0.61030	0.64449
659.96	0.43283	0.65412	0.76387	0.64692	0.57541	0.61463
660.05	0.39855	0.62543	0.74477	0.61752	0.54196	0.58565
660.14	0.36333	0.59270	0.72278	0.58447	0.50579	0.55381
660.23	0.32870	0.55800	0.69831	0.54859	0.46823	0.52037
660.32	0.29544	0.52079	0.66926	0.50993	0.43050	0.48518
660.41	0.26460	0.48313	0.63763	0.47114	0.39231	0.44976
660.50	0.23691	0.44674	0.60636	0.43531	0.35741	0.41655
660.59	0.21399	0.41499	0.57598	0.40244	0.32769	0.38702
660.68	0.19099	0.38037	0.54125	0.36729	0.29621	0.35522
660.77	0.16959	0.34490	0.50421	0.33272	0.26557	0.32340
660.86	0.14962	0.31102	0.46568	0.29834	0.23699	0.29233
660.95	0.13211	0.27990	0.42865	0.26775	0.21126	0.26393
661.04	0.11769	0.25211	0.39384	0.24085	0.18894	0.23869
661.13	0.10514	0.22777	0.36172	0.21671	0.16954	0.21618
661.22	0.093530	0.20370	0.32849	0.19323	0.15074	0.19394
661.31	0.082630	0.18091	0.29606	0.17122	0.13313	0.17279

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
661.40	0.073250	0.16066	0.26577	0.15183	0.11785	0.15387
661.49	0.064680	0.14207	0.23724	0.13369	0.10401	0.13634
661.58	0.057500	0.12623	0.21228	0.11889	0.092290	0.12144
661.67	0.051490	0.11287	0.19074	0.10609	0.082540	0.10875
661.76	0.045920	0.099990	0.16969	0.093960	0.072980	0.096508
661.85	0.041050	0.088940	0.15132	0.083340	0.064940	0.085918
661.94	0.036420	0.078470	0.13372	0.073770	0.057610	0.075998
662.03	0.032510	0.069420	0.11814	0.065120	0.050950	0.067228
662.12	0.029100	0.061630	0.10484	0.057730	0.045180	0.059696
662.21	0.026160	0.054940	0.093250	0.051550	0.040600	0.053300
662.30	0.023620	0.049110	0.083340	0.046230	0.036580	0.047776
662.39	0.021290	0.043940	0.074020	0.041130	0.032560	0.042588
662.48	0.018980	0.038950	0.065350	0.036650	0.029060	0.037798
662.57	0.017140	0.034730	0.057870	0.032560	0.025890	0.033638
662.66	0.015410	0.031030	0.051430	0.029030	0.023190	0.030018
662.75	0.014000	0.027910	0.046290	0.026290	0.020970	0.027092
662.84	0.012680	0.025080	0.041190	0.023580	0.018870	0.024280
662.93	0.011510	0.022610	0.036960	0.021180	0.017020	0.021856
663.02	0.010390	0.020220	0.032740	0.018940	0.015330	0.019524
663.11	0.0094300	0.018230	0.029270	0.017050	0.013780	0.017552
663.20	0.0085700	0.016420	0.026190	0.015390	0.012470	0.015808
663.29	0.0078600	0.014950	0.023700	0.013940	0.011320	0.014354
663.38	0.0072100	0.013530	0.021310	0.012670	0.010370	0.013018
663.47	0.0065400	0.012260	0.019170	0.011470	0.0093700	0.011762
663.56	0.0059400	0.011060	0.017280	0.010380	0.0085000	0.010632
663.65	0.0054300	0.0100000	0.015560	0.0094300	0.0077000	0.0096240
663.74	0.0049500	0.0090800	0.013930	0.0085100	0.0070000	0.0086940
663.83	0.0045800	0.0083600	0.012760	0.0078400	0.0064600	0.0080000
663.92	0.0042500	0.0076300	0.011590	0.0071700	0.0059100	0.0073100
664.01	0.0038700	0.0069200	0.010470	0.0065100	0.0054300	0.0066400
664.10	0.0035400	0.0063100	0.0094900	0.0059800	0.0049700	0.0060580
664.19	0.0032700	0.0057900	0.0086100	0.0054200	0.0045300	0.0055240
664.28	0.0029900	0.0053000	0.0078200	0.0049400	0.0041300	0.0050360
664.37	0.0027700	0.0048700	0.0072100	0.0045500	0.0038300	0.0046460
664.46	0.0026100	0.0044800	0.0065300	0.0042300	0.0035200	0.0042740
664.55	0.0023700	0.0040600	0.0060000	0.0038300	0.0032500	0.0039020
664.64	0.0021900	0.0037800	0.0054300	0.0035500	0.0029900	0.0035880
664.73	0.0020000	0.0034500	0.0050100	0.0032000	0.0027200	0.0032760
664.82	0.0018800	0.0031800	0.0045600	0.0029900	0.0025000	0.0030220
664.91	0.0017400	0.0029300	0.0042300	0.0027800	0.0023600	0.0028080
665.00	0.0016400	0.0027100	0.0038600	0.0025800	0.0021700	0.0025920
665.09	0.0015000	0.0025100	0.0035500	0.0023800	0.0020200	0.0023920
665.18	0.0014200	0.0023100	0.0032700	0.0021700	0.0018500	0.0022040
665.27	0.0012800	0.0021300	0.0030300	0.0019800	0.0017400	0.0020320
665.36	0.0012100	0.0019900	0.0027600	0.0018800	0.0015900	0.0018860
665.45	0.0011400	0.0018400	0.0026100	0.0016900	0.0015100	0.0017580
665.54	0.0010700	0.0017100	0.0023900	0.0016000	0.0014200	0.0016380
665.63	0.00098000	0.0015900	0.0022000	0.0014800	0.0013100	0.0015120
665.72	0.00095000	0.0014900	0.0020100	0.0013700	0.0012300	0.0014100

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
665.81	0.00088000	0.0013700	0.0019000	0.0012800	0.0011200	0.0013100
665.90	0.00081000	0.0012500	0.0017200	0.0011800	0.0010300	0.0011980
665.99	0.00078000	0.0011800	0.0016600	0.0011200	0.00096000	0.0011400
666.08	0.00072000	0.0011200	0.0015200	0.0010400	0.00092000	0.0010640
666.17	0.00070000	0.0010400	0.0014200	0.00096000	0.00086000	0.0009960 0
666.26	0.00064000	0.00096000	0.0013100	0.00088000	0.00080000	0.0009180 0
666.35	0.00061000	0.00092000	0.0012100	0.00080000	0.00073000	0.0008540 0
666.44	0.00056000	0.00083000	0.0011100	0.00078000	0.00070000	0.0007960 0
666.53	0.00056000	0.00080000	0.0010800	0.00074000	0.00062000	0.0007600 0
666.62	0.00052000	0.00074000	0.0010200	0.00068000	0.00063000	0.0007180 0
666.71	0.00050000	0.00070000	0.00093000	0.00063000	0.00055000	0.0006620 0
666.80	0.00046000	0.00065000	0.00088000	0.00057000	0.00055000	0.0006220 0
666.89	0.00042000	0.00063000	0.00081000	0.00056000	0.00049000	0.0005820 0
666.98	0.00042000	0.00058000	0.00077000	0.00052000	0.00047000	0.0005520 0
667.07	0.00040000	0.00056000	0.00074000	0.00047000	0.00039000	0.0005120 0
667.16	0.00036000	0.00054000	0.00067000	0.00046000	0.00043000	0.0004920 0
667.25	0.00033000	0.00048000	0.00062000	0.00042000	0.00039000	0.0004480 0
667.34	0.00031000	0.00044000	0.00056000	0.00040000	0.00037000	0.0004160 0
667.43	0.00033000	0.00043000	0.00057000	0.00035000	0.00032000	0.0004000 0
667.52	0.00028000	0.00042000	0.00052000	0.00035000	0.00034000	0.0003820 0
667.61	0.00029000	0.00041000	0.00051000	0.00033000	0.00028000	0.0003640 0
667.70	0.00028000	0.00035000	0.00048000	0.00030000	0.00029000	0.0003400 0
667.79	0.00025000	0.00035000	0.00044000	0.00029000	0.00027000	0.0003200 0
667.88	0.00023000	0.00033000	0.00040000	0.00028000	0.00026000	0.0003000 0
667.97	0.00023000	0.00031000	0.00039000	0.00024000	0.00023000	0.0002800 0
668.06	0.00022000	0.00030000	0.00037000	0.00026000	0.00022000	0.0002740 0
668.15	0.00022000	0.00027000	0.00035000	0.00023000	0.00021000	0.0002560 0
668.24	0.00021000	0.00028000	0.00030000	0.00023000	0.00018000	0.0002400



NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
						0
668.33	0.00017000	0.00023000	0.00031000	0.00021000	0.00019000	0.00022200
668.42	0.00016000	0.00025000	0.00029000	0.00018000	0.00017000	0.00021000
668.51	0.00015000	0.00021000	0.00026000	0.00019000	0.00017000	0.00019600
668.60	0.00017000	0.00022000	0.00025000	0.00018000	0.00014000	0.00019200
668.69	0.00016000	0.00020000	0.00023000	0.00016000	0.00015000	0.00018000
668.78	0.00015000	0.00020000	0.00021000	0.00016000	0.00015000	0.00017400
668.87	0.00014000	0.00019000	0.00021000	0.00013000	0.00015000	0.00016400
668.96	0.00013000	0.00018000	0.00020000	0.00014000	1.0000e-04	0.00015000
669.05	0.00013000	0.00015000	0.00020000	0.00013000	0.00014000	0.00015000
669.14	0.00012000	0.00014000	0.00018000	0.00011000	0.00013000	0.00013600
669.23	0.00011000	0.00015000	0.00017000	0.00011000	0.00011000	0.00013000
669.32	1.0000e-04	0.00013000	0.00018000	1.0000e-04	1.0000e-04	0.00012200
669.41	0.00011000	0.00013000	0.00017000	1.0000e-04	9.0000e-05	0.00012000
669.50	1.0000e-04	0.00013000	0.00014000	0.00011000	0.00011000	0.00011800
669.59	9.0000e-05	0.00012000	0.00017000	9.0000e-05	1.0000e-04	0.00011400
669.68	0.00012000	0.00013000	0.00015000	9.0000e-05	0.00011000	0.00012000
669.77	9.0000e-05	0.00011000	0.00013000	9.0000e-05	8.0000e-05	1.0000e-04
669.86	1.0000e-04	0.00012000	0.00014000	9.0000e-05	8.0000e-05	0.00010600
669.95	7.0000e-05	0.00011000	0.00012000	8.0000e-05	9.0000e-05	9.4000e-05
670.04	9.0000e-05	0.00011000	0.00011000	8.0000e-05	7.0000e-05	9.2000e-05
670.13	8.0000e-05	9.0000e-05	0.00012000	6.0000e-05	9.0000e-05	8.8000e-05
670.22	7.0000e-05	1.0000e-04	0.00012000	8.0000e-05	7.0000e-05	8.8000e-05
670.31	0.00011000	9.0000e-05	9.0000e-05	5.0000e-05	7.0000e-05	8.2000e-05
670.40	7.0000e-05	9.0000e-05	8.0000e-05	4.0000e-05	6.0000e-05	6.8000e-05
670.49	7.0000e-05	9.0000e-05	7.0000e-05	4.0000e-05	6.0000e-05	6.6000e-05
670.58	8.0000e-05	8.0000e-05	1.0000e-04	5.0000e-05	4.0000e-05	7.0000e-05
670.67	8.0000e-05	9.0000e-05	1.0000e-04	5.0000e-05	7.0000e-05	7.8000e-05
670.76	9.0000e-05	8.0000e-05	1.0000e-04	5.0000e-05	4.0000e-05	7.2000e-05
670.85	8.0000e-05	8.0000e-05	6.0000e-05	4.0000e-05	4.0000e-05	6.0000e-05
670.94	7.0000e-05	7.0000e-05	1.0000e-04	4.0000e-05	4.0000e-05	6.4000e-05
671.03	4.0000e-05	5.0000e-05	8.0000e-05	3.0000e-05	2.0000e-05	4.4000e-05
671.12	9.0000e-05	8.0000e-05	7.0000e-05	2.0000e-05	4.0000e-05	6.0000e-05

NAC FM HAL (110_1) TRANSMISSION DATA						
WAVELENGTH (nm)	110_1_t1.283	110_1_t2.284	110_1_t3.285	110_1_t4.286	110_1_t5.28 7	110_1_ave
671.21	8.0000e-05	6.0000e-05	7.0000e-05	2.6193e-06	5.8385e-06	4.3692e-05
671.30	9.0000e-05	8.0000e-05	6.0000e-05	2.0000e-05	5.0000e-05	6.0000e-05
671.39	8.0000e-05	6.0000e-05	8.0000e-05	4.0000e-05	2.0000e-05	5.6000e-05
671.48	7.0000e-05	7.0000e-05	7.0000e-05	1.0000e-05	2.0000e-05	4.8000e-05
671.57	7.0000e-05	8.0000e-05	6.0000e-05	2.0000e-05	4.0000e-05	5.4000e-05
671.66	4.0000e-05	7.0000e-05	5.0000e-05	2.0000e-05	8.4193e-06	3.7684e-05
671.75	6.0000e-05	7.0000e-05	7.0000e-05	8.4152e-06	2.0000e-05	4.5683e-05
671.84	6.0000e-05	7.0000e-05	5.0000e-05	2.0000e-05	7.1314e-06	4.1426e-05
671.93	6.0000e-05	6.0000e-05	7.0000e-05	-2.0000e-05	3.0000e-05	4.0000e-05
672.02	6.0000e-05	5.0000e-05	4.0000e-05	1.9747e-06	-2.5410e-06	2.9887e-05
672.11	4.0000e-05	5.0000e-05	5.0000e-05	6.4870e-06	3.0000e-05	3.5297e-05
672.20	7.0000e-05	5.0000e-05	4.0000e-05	2.6181e-06	2.0000e-05	3.6524e-05
672.29	6.0000e-05	8.0000e-05	5.0000e-05	1.0000e-05	2.0000e-05	4.4000e-05
672.38	5.0000e-05	5.0000e-05	3.0000e-05	1.3255e-06	3.0000e-05	3.2265e-05
672.47	6.0000e-05	6.0000e-05	4.0000e-05	-2.0000e-05	-7.0735e-06	2.6585e-05
672.56	4.0000e-05	4.0000e-05	5.0000e-05	-6.1430e-07	2.0000e-05	2.9877e-05
672.65	5.0000e-05	6.0000e-05	1.0000e-05	-8.3788e-06	3.1675e-08	2.2331e-05
672.74	4.0000e-05	3.0000e-05	4.0000e-05	-1.9103e-06	1.0000e-05	2.3618e-05
672.83	5.0000e-05	3.0000e-05	3.0000e-05	1.9699e-06	-5.7935e-06	2.1235e-05
672.92	2.0000e-05	4.0000e-05	2.0000e-05	-1.0000e-05	2.0000e-05	1.8000e-05
673.01	4.0000e-05	9.7344e-06	2.0000e-05	-1.0000e-05	-3.2142e-06	1.1304e-05
673.10	2.0000e-05	5.0000e-05	3.0000e-05	-1.0000e-05	9.0941e-06	1.9819e-05
673.19	4.0000e-05	2.0000e-05	3.0000e-05	2.3036e-08	-4.5188e-06	1.7101e-05
673.28	3.0000e-05	5.0000e-05	2.0000e-05	7.8073e-06	6.5113e-06	2.2864e-05
673.37	4.0000e-05	4.0000e-05	1.0000e-05	-1.0000e-05	7.1676e-06	1.7434e-05
673.46	4.0000e-05	3.0000e-05	4.5691e-06	-6.3475e-07	1.3174e-06	1.5050e-05
673.55	3.0000e-05	3.0000e-05	4.0000e-05	1.0000e-05	3.2677e-06	2.2654e-05
673.64	4.0000e-05	4.0000e-05	1.0000e-05	-1.0000e-05	-7.1466e-06	1.4571e-05
673.73	2.0000e-05	3.0000e-05	3.9195e-06	-2.0000e-05	3.0000e-05	1.2784e-05
673.82	4.0000e-05	2.0000e-05	5.2181e-06	8.7826e-09	-1.2932e-06	1.2787e-05
673.91	3.0000e-05	2.0000e-05	1.0000e-05	-1.0000e-05	2.0000e-05	1.4000e-05
674.00	1.0000e-05	2.0000e-05	9.7972e-06	-2.0000e-05	8.4921e-06	5.6579e-06