

Sheet1

On WHT primary, alternated push-down with return-key measurements, starting with push down. Measured ports 1,2,3,4 in that order. at 3 locations each port EXCEPT port 2 which was 4 locations. One measurement was done 3 times because outside consistency range. Others done twice as usual

Measured reference mirror before and after. Final 3 or 4 were push-down (all the way!) on ref mirror.

push down average 82.8 error 0.41
 Up-off average 83.28 error 0.27 no significant difference

	Lambda	Incident Angle	BW Limits	és->	èè->							
	0.67	25	1	0	0	0.01	50	180 REFL		RMS(I	TIME	DATE
1	2.66E-003	1.54E-003	0.919						35.9	13:47:49	07-16-1910	
2	2.67E-003	1.54E-003	0.916						36	13:47:53	07-16-1910	
3	1.06E-002	4.29E-003	0.894						74	13:47:59	07-16-1910	
4	1.06E-002	4.29E-003	0.895						74	13:48:04	07-16-1910	
5	2.36E-003	1.50E-003	0.915						33.8	13:48:10	07-16-1910	
6	2.36E-003	1.50E-003	0.915						33.8	13:48:15	07-16-1910	
7	5.39E-003	1.78E-003	0.908						53.6	13:48:21	07-16-1910	
8	5.39E-003	1.78E-003	0.909						53.6	13:48:25	07-16-1910	
9	4.03E-003	1.89E-003	0.913						44.8	13:48:32	07-16-1910	
10	4.02E-003	1.89E-003	0.914						44.7	13:48:49	07-16-1910	
11	1.04E-002	4.09E-003	0.907						72.9	13:48:58	07-16-1910	
12	1.04E-002	4.09E-003	0.907						73	13:49:02	07-16-1910	
	lower than usual but consistent with previous								0.909			
13	5.17E-003	1.61E-003	0.836						55.1	13:53:35	07-16-1910	
14	5.16E-003	1.62E-003	0.839					83.700	55	13:53:40	07-16-1910	
15	5.34E-003	1.66E-003	0.825						56.5	13:53:53	07-16-1910	
16	5.34E-003	1.67E-003	0.826					82.600	56.4	13:53:58	07-16-1910	
17	8.30E-003	4.67E-003	0.827						66.9	13:54:08	07-16-1910	
18	8.31E-003	4.62E-003	0.827					82.700	66.9	13:54:13	07-16-1910	
19	7.10E-003	2.70E-003	0.835						63.1	13:54:59	07-16-1910	
20	7.11E-003	2.71E-003	0.835					83.500	63.2	13:55:04	07-16-1910	
21	7.51E-003	3.77E-003	0.833						63.7	13:55:13	07-16-1910	
22	7.52E-003	3.78E-003	0.827 incons						64	13:55:19	07-16-1910	
23	6.70E-003	2.75E-003	0.836						60.9	13:55:27	07-16-1910	
24	6.71E-003	2.75E-003	0.837					83.600	60.9	13:55:32	07-16-1910	
25	7.99E-003	2.77E-003	0.823						68.1	13:55:41	07-16-1910	
26	8.00E-003	2.79E-003	0.825					82.400	68.1	13:55:45	07-16-1910	
27	5.55E-003	2.22E-003	0.838						55.5	13:56:46	07-16-1910	
28	5.55E-003	2.22E-003	0.837					83.800	55.5	13:56:52	07-16-1910	
29	7.06E-003	4.23E-003	0.818						61.9	13:57:04	07-16-1910	
30	7.07E-003	4.24E-003	0.821					81.900	61.8	13:57:09	07-16-1910	
31	5.24E-003	1.80E-003	0.839						54.7	13:57:20	07-16-1910	
32	5.24E-003	1.79E-003	0.839					83.900	54.7	13:57:25	07-16-1910	

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	33	6.70E-003	2.95E-003	0.833		60.7	13:58:20	07-16-1910	
	34	6.66E-003	2.96E-003	0.838	skip	60.2	13:58:26	07-16-1910	
	35	6.64E-003	2.99E-003	0.832		83.300	60.3	13:58:32	07-16-1910
	36	7.66E-003	3.44E-003	0.824			65.1	13:58:41	07-16-1910
	37	7.60E-003	3.35E-003	0.822		82.300	65	13:58:46	07-16-1910
	38	5.01E-003	1.97E-003	0.830	no pair		53	13:58:56	07-16-1910
average		0.00663	0.00285			83.064	60.66		
std error		0.00034	0.00030			0.211			
	39	3.21E-003	1.33E-003	0.918			40.1	14:03:10	07-16-1910
	40	3.21E-003	1.33E-003	0.917			40.2	14:03:15	07-16-1910
	41	2.74E-003	1.47E-003	0.921			36.5	14:03:39	07-16-1910
	42	2.75E-003	1.47E-003	0.922			36.5	14:03:44	07-16-1910
	43	1.03E-002	8.25E-003	0.914			70.6	14:03:50	07-16-1910
	44	1.03E-002	8.27E-003	0.915			70.6	14:03:54	07-16-1910
	45	1.70E-003	1.95E-003	0.921			28.7	14:04:00	07-16-1910
	46	1.70E-003	1.95E-003	0.921			28.7	14:04:05	07-16-1910
	47	4.05E-003	2.22E-003	0.924			44.2	14:04:10	07-16-1910
	48	4.06E-003	2.23E-003	0.923			44.3	14:04:15	07-16-1910
	49	1.09E-002	5.36E-003	0.922			73	14:04:21	07-16-1910
	50	1.09E-002	5.36E-003	0.922			73.1	14:04:25	07-16-1910
	51	3.54E-003	2.28E-003	0.921			41.2	14:04:33	07-16-1910
	52	3.55E-003	2.28E-003	0.921			41.3	14:04:39	07-16-1910
push-down hereon						0.920			
	53	2.38E-003	1.97E-003	0.934			33.5	14:04:48	07-16-1910
	54	2.38E-003	1.97E-003	0.938			33.5	14:04:53	07-16-1910
	55	3.01E-003	2.69E-003	0.929			37.8	14:05:01	07-16-1910
	56	3.02E-003	2.67E-003	0.928			37.9	14:05:06	07-16-1910
	57	3.02E-003	1.80E-003	0.935			37.9	14:05:14	07-16-1910
	58	3.04E-003	1.80E-003	0.930			38.1	14:05:19	07-16-1910
	59	2.14E-003	1.62E-003	0.925			32	14:05:27	07-16-1910
	60	2.15E-003	1.61E-003	0.923			32	14:05:32	07-16-1910
	61	2.15E-003	1.62E-003	0.925			32	14:05:40	07-16-1910
	62	4.25E-003	2.13E-003	0.904			46	14:05:48	07-16-1910
						0.927			

Conclusions: reference mirror values are back to original levels and WHT reflectivity is good

al.

See below

