

NASMYTH FLAT MIRROR reflectivity measurements before and after cleaning with Alcohol and dragging technique on July 7th, 2011.
Measurements with SMS Microscan reflectometer/scatterometer. Wavelength 670nm
Measurements, cleaning and analysis by Neil O'Mahony, Jan 2012

scattering		(angles)				
Θs->	0	50		Roughness		Jul 1&7, 2011
Φs->	0	180	REFL	RMS(Å)	"TIME"	"DATE"
REF	5.35E-03	2.77E-03	0.943	50.4	"11:31:32"	"07-01-1911"
2	5.36E-03	2.77E-03	0.942	50.5	"11:31:37"	"07-01-1911"
3	2.17E-03	1.46E-03	0.935	32	"11:31:45"	"07-01-1911"
4	2.17E-03	1.46E-03	0.935	32	"11:31:50"	"07-01-1911"
5	5.07E-03	2.70E-03	0.937	49.2	"11:31:57"	"07-01-1911"
6	5.07E-03	2.71E-03	0.938	49.2	"11:32:02"	"07-01-1911"
7	5.04E-03	2.71E-03	0.938	49	"11:32:37"	"07-01-1911"
8	4.33E-03	2.01E-03	0.923	46.1	"11:32:46"	"07-01-1911"
9	4.34E-03	2.00E-03	0.922	46.2	"11:32:53"	"07-01-1911"
NASM	3.29E-02	1.07E-02	0.751	146	"11:40:04"	"07-01-1911"
11	3.29E-02	1.07E-02	0.751	146	"11:40:10"	"07-01-1911"
12	2.74E-02	8.43E-03	0.772	132.3	"11:40:17"	"07-01-1911"
13	2.74E-02	8.45E-03	0.774	132.2	"11:40:22"	"07-01-1911"
14	3.02E-02	9.41E-03	0.773	138.5	"11:40:32"	"07-01-1911"
	3.02E-02	9.55E-03	0.762	139.125		
REF	4.70E-03	1.63E-03	0.942	48.9	"12:08:22"	"07-01-1911"
16	4.72E-03	1.63E-03	0.941	49	"12:08:27"	"07-01-1911"
17	3.91E-03	2.76E-03	0.924	43.2	"12:08:35"	"07-01-1911"
18	3.91E-03	2.76E-03	0.923	43.2	"12:08:39"	"07-01-1911"
19	6.70E-03	5.12E-03	0.933	56.3	"12:08:46"	"07-01-1911"
20	6.72E-03	5.13E-03	0.934	56.3	"12:08:51"	"07-01-1911"
DIRTY	2.62E-02	6.28E-03	0.788	134.1	"12:09:34"	"07-01-1911"
22	2.62E-02	6.32E-03	0.778	134.8	"12:09:40"	"07-01-1911"
23	2.58E-02	6.45E-03	0.788	131.8	"12:09:49"	"07-01-1911"
24	2.58E-02	6.45E-03	0.789	131.7	"12:09:54"	"07-01-1911"
25	3.03E-02	7.22E-03	0.772	145.7	"12:10:20"	"07-01-1911"
26	3.02E-02	7.20E-03	0.773	145.6	"12:10:26"	"07-01-1911"
27	2.11E-02	5.38E-03	0.8	117.9	"12:10:37"	"07-01-1911"
28	2.11E-02	5.38E-03	0.799	118.1	"12:10:42"	"07-01-1911"
	2.57E-02	6.35E-03	0.786833333	131.8		
CLEAN	1.30E-02	2.11E-03	0.828	103.6	"12:06:08"	"07-07-1911"
30	1.30E-02	2.11E-03	0.827	103.7	"12:06:13"	"07-07-1911"
31	1.59E-02	3.11E-03	0.825	107.5	"12:06:23"	"07-07-1911"
32	1.59E-02	3.13E-03	0.823	107.8	"12:06:28"	"07-07-1911"
33	1.64E-02	2.62E-03	0.83	116.6	"12:06:37"	"07-07-1911"
34	1.65E-02	2.64E-03	0.832	116.8	"12:06:43"	"07-07-1911"
35	1.64E-02	3.59E-03	0.821	106	"12:06:51"	"07-07-1911"
36	1.63E-02	3.56E-03	0.818	106.1	"12:06:56"	"07-07-1911"
37	1.28E-02	2.11E-03	0.834	101.9	"12:07:06"	"07-07-1911"
38	1.28E-02	2.11E-03	0.833	102	"12:07:11"	"07-07-1911"

	39	1.48E-02	2.44E-03	0.828	109.4	"12:07:20"	"07-07-1911"
	40	1.48E-02	2.45E-03	0.831	109.7	"12:07:25"	"07-07-1911"
	41	1.88E-02	3.67E-03	0.821	117.3	"12:07:34"	"07-07-1911"
		1.52E-02	2.74E-03	0.827	108.3384615		
REF		4.98E-03	2.23E-03	0.925	49.5	"12:25:23"	"07-07-1911"
	43	4.98E-03	2.23E-03	0.925	49.5	"12:25:28"	"07-07-1911"
	44	2.03E-03	1.26E-03	0.935	31	"12:25:35"	"07-07-1911"
	45	2.03E-03	1.26E-03	0.936	31	"12:25:40"	"07-07-1911"