

LIGO-T1700149-v5

3° AOI

2° AOI except where noted

ASML data

LIGO data

Polisher

Polisher

Serial
Number

Transmission @
LMA (%)

Transmission @
LIGO (%)

Transmission Diff
(%)

Uncoated
ROC (m)

Coated ROC
(m)

change in
roc (m)

Polisher
change due
to bulk (m)

Calculated
lens (m)
T1300954

Hanford-X	ITM03	1.336	1.39	0.054	1938.5	1939.3	0.8	-10.9	-80213
Hanford-Y	ITM11	1.325	1.42	0.095	1939.4	1939.2	-0.2	1.6	572117
Livingston-Y	ITM08	1.415	1.48	0.065	1938.4	1940.7	2.3	-10.6	-82424
Livingston-X	ITM04	1.412	1.48	0.068	1938.6	1937.8	-0.8	2.9	304989
AR scatter	ITM09	1.491	1.48	-0.011	1938.15	1936.5	-1.7	3.9	229357
AR scatter	ITM06	1.487	1.48	-0.007	1937.7	1934.3	-3.4	2.3	381154
	ITM01	1.496	1.503	0.007	1939.3	1940.2	0.9	-9.5	-92780
	ITM10	1.406	1.383	-0.023	1939.7	1939.2	-0.5	-9.4	-93570
	ITM07	1.5	1.502	0.002	1938.5	1940.3	1.8	-2.9	-310812
colors represent	ITM05	1.414	1.382	-0.032	1939.2	1939.7	0.5	11.6	78347
Different coating	ETM11				2250.6	2250.0	-0.6		
Masks	ETM14				2251.0	2251.0	-0.04		

Std Dev

0.0444892

1.68114544