

**E1200836-v1**

Optical Lever	Source Position (local coords.)			Optic Position			Detector Position			Path length	Angle of Incid	angle from Horiz.	Length to angle cross-coupling (mrad/m)	
	x	y	z	x	y	z	x	y	z				pitch	yaw
<b>H1/L1</b>														
Beam Splitter	1230	-1253	0	-175.7	-241.9	0	1264	-1224	0	4021.7	3.03	0	0.00	26.3
ITM-X	33471	155	-685	421.1	-199.7	-79.9	33471	-554.5	525.3	66114.7	1.22	59.62	0.56	0.3
ETM-X	56969.7	168.4	-725	62501.1	-200.2	-80	56969.7	-568.9	565	11162.1	7.65	60.25	20.89	11.9
ITM-Y	155	33471	-685	-199.8	418.1	-79.8	-554.5	33371	525.4	66120.7	1.22	59.62	0.56	0.3
ETM-y	168.4	56969.7	-725	-200	62498.1	-80.4	-568.5	56969.7	564.3	11156.1	7.65	60.25	20.91	11.9
PR3	-5893.5	-336.8	-977.4	-19740	-183.4	-111.2	-5918	-336.3	783	27726.2	3.64	89.99	4.59	0.0
SR3	-367.2	-5893.5	-965.1	-170.9	19615	-95.9	-369	-5893.5	774	27500.9	1.95	89.94	2.48	0.0
HAM2	-5893.5	514.9	-913.9	-19199.6	75.9	-149.9	-5918	425.9	-912.3	26643.4	0.19	3.58	0.02	0.2
HAM3	-17957.1	-426.9	-913.9	-4700.1	147.1	-216.3	-17957	-528.9	-914.1	26580.1	0.22	3.01	0.02	0.3
HAM4	514.9	-17957.1	-913.9	114.6	-4700.3	-219	421.6	-17957.1	-913.8	26559.8	0.2	3	0.01	0.3
HAM5	514.9	-5893.5	-913.9	74.3	-19249.8	-220.7	430.9	-5893.5	-913.8	26760.5	0.18	2.97	0.01	0.2
<b>H2</b>														
ITM-Y	-9524	38051	-685	-9169.3	9897.9	-80.1	-8814.5	38051	524.9	56324.1	1.425	59.61	0.76	0.4
ETM-Y	-160	-3743.3	-755	197.9	-472.3	-80.8	555.8	-3743.3	593.4	6717.7	13.135	62.04	61.36	32.6

Note: Input data comes from E1000601 (H1) and E1000608 (L1)