

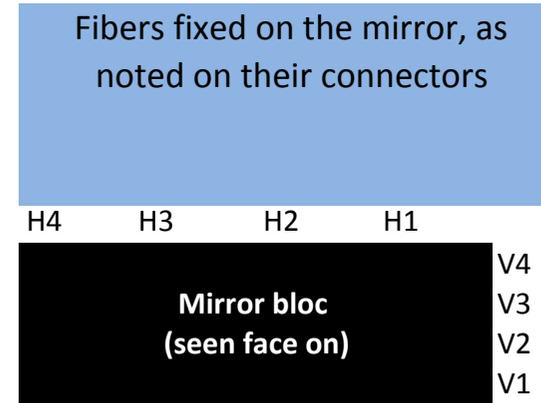
This file contains the current metrology baseline configuration, this includes both the set of connections after the switch and in the vacuum chamber

Possible upgrade: switch 4 with 3 and 5 with 6 between the switch and the plug

switch command: setSwitchChannel(Ti,Si)

Inputs: Outputs:

Configuration between the switch and the chamber		PLUG ←====→	Connection configuration inside the vacuum chamber, as noted on fiber	
Switch side	Plug side		Plug side	Mirror side
S3	10		10	V1
T3	2		2	V2
T4	3		3	V3
S4	4		4	V4
S1	5		5	H1
T2	6		6	H2
T1	7		7	H3
S2	8		8	H4



Interfringe (i)
Note: $i = \lambda L / B \Rightarrow B = \lambda L / i$

L (m)	0,6
λ (m)	6,33E-07
pixel size (m)	2,40E-05

Final connection configuration

Switch Name	Mirror Name	X Coord.	Y coord.
S3	V1	0	3,7
T3	V2	0	4,7
T4	V3	0	7,7
S4	V4	0	9,7
S1	H1	3,7	0
T2	H2	4,7	0
T1	H3	7,7	0
S2	H4	9,7	0

Switch / Baselines table

Baselines		Switch outputs		Xcoord 1	Xcoord 2	YCoord 1	Ycoord 2	X diff	Y diff	Dist	i	active?
V1	V2	S3	T3	0	0	3,7	4,7	0	1	1	15,83	1
V1	V3	S3	T4	0	0	3,7	7,7	0	4	4	3,96	1
V1	V4	S3	S4	0	0	3,7	9,7	0	6	6	2,64	0
V2	V3	T3	T4	0	0	4,7	7,7	0	3	3	5,28	0
V2	V4	T3	S4	0	0	4,7	9,7	0	5	5	3,17	1
V3	V4	T4	S4	0	0	7,7	9,7	0	2	2	7,91	1
H1	H2	S1	T2	3,7	4,7	0	0	1	0	1	15,83	1
H1	H3	S1	T1	3,7	7,7	0	0	4	0	4	3,96	1
H1	H4	S1	S2	3,7	9,7	0	0	6	0	6	2,64	0
H2	H3	T2	T1	4,7	7,7	0	0	3	0	3	5,28	0
H2	H4	T2	S2	4,7	9,7	0	0	5	0	5	3,17	1
H3	H4	T1	S2	7,7	9,7	0	0	2	0	2	7,91	1