Documentation of beam heights for 6-beam CHAMP [JDM 2008Oct08]

First Beamsplitter

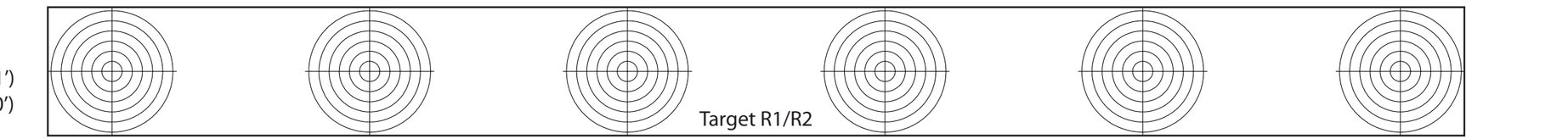
	@ mirror
B1:	4.5 (incoming beam level)
B2:	4.5
B3:	4.5 (CHAMP3: 4.530, 2.7′ up)
B4:	4.5 (CHAMP4: 4.532, 3.7′ up)
B5:	4.5
B6:	4.524 (incoming 6.03′ upward)

Second Beamsplitter

	@ mirror
B1:	4.521 (incoming +13.7′, outoing level)
B2:	4.521
B3:	4.521
B4:	4.521
B5:	4.521
B6:	4.521

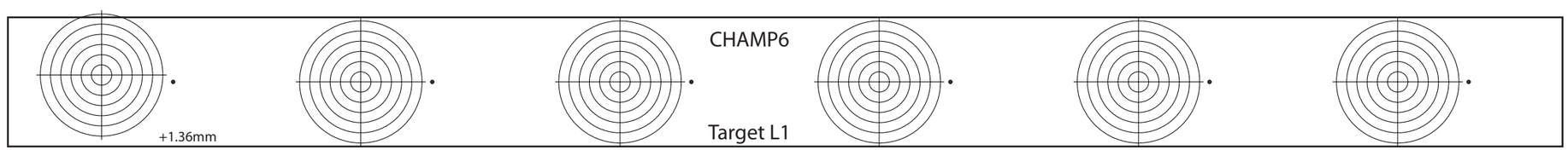
Target R1 (first transmitted side)

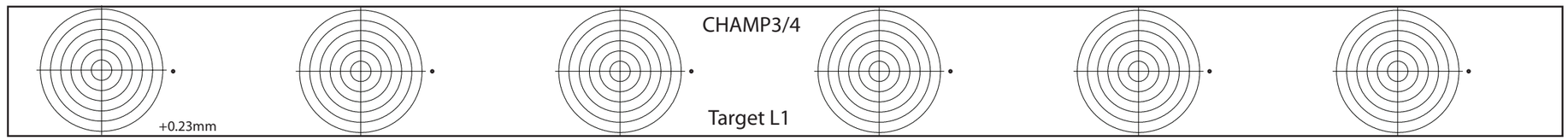
	@ mirror	@ target
B1:	4.394″	4.407 (-13.7′)
B2:	4.394	4.409
B3:	4.394	4.410 (CHAMP3: 4.407″,-11′)
B4:	4.394	4.412 (CHAMP4: 4.407″,-10′)
B5:	4.394	4.413
B6:	4.394	4.405 (-7.7′)



Target L1

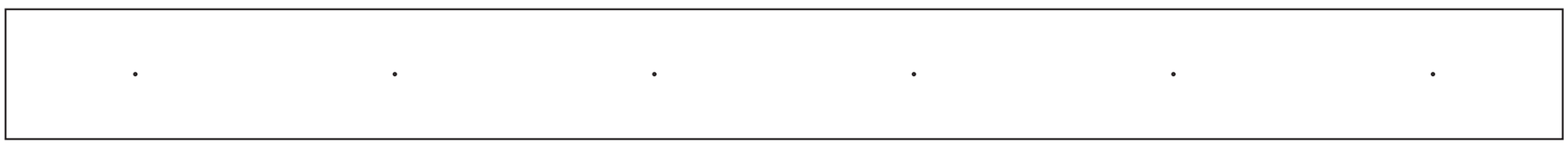
	@ mirror	CHAMP6 @ target	CHAMP4 @target	CHAMP3 @target
B6:	4.394″	4.457	(B4) 4.415	(B3) 4.409
B1:	4.394	4.402 +1.36mm	4.402 +0.30mm	4.402 +0.16mm
B2:	4.394	4.403	4.403	4.403
B3:	4.394	4.405	4.405	XX
B4:	4.394	4.406	XX	XX
B5:	4.394	4.407	XX	XX





Target R2

	@ mirror	@ target
B1+6:	4.521	4.521
B2+1:	4.521	4.521
B3+2:	4.521	4.521
B4+3:	4.521	4.521
B5+4:	4.521	4.521
B6+5:	4.521	4.521



Target L2

	@ mirror	@ target
B1+6:	4.521	4.521
B2+1:	4.521	4.521
B3+2:	4.521	4.521
B4+3:	4.521	4.521
B5+4:	4.521	4.521
B6+5:	4.521	4.521

Post and Shim Information

Target	Post (in)	Shim (in)
R1	3.910	0.0
R2	3.910	0.111
L1	3.903	0.0
L2	3.903	0.118