B Insert C disk target position dimensions

	in	mm	in -> mm
Cup + ladder	1.115	28.19	28.32
Ladder	0.131	3.67	3.33
Disk upstream face*	0.606	15.41	15.39
Disk downstream face	0.238	5.94	6.05
Disk thickness	0.271	6.84	6.88
Cup length	0.984	24.52	24.99
Cup center	0.492	12.26	12.50
Disk center from upstream	0.611	15.16	15.51
Disk center from downstream	0.374	9.36	9.49
Disk offset in cup	-0.119	-2.9	-3.01
zbeam offset for MC		3.0	

A Insert C disk target position dimensions

	in	mm	in -> mm
Cup + ladder	1.18	30.1	29.97
Ladder	0.119	3.13	3.02
Disk upstream face*	0.484	12.02	12.29
Disk downstream face	0.431	10.98	10.95
Disk thickness	0.265	7.10	6.73
Cup length	1.061	26.97	26.95
Cup center	0.531	13.49	13.47
Disk center from upstream	0.498	12.44	12.64
Disk center from downstream	0.564	14.53	14.31
Disk offset in cup	0.033	1.05	0.84
zbeam offset for MC		-0.9	
Disk thickness (direct meas.)	0.277		7.04

C Insert C disk target position dimensions

	in	mm	in -> mm
Cup + ladder	1.115	28.28	28.32
Ladder	0.110	3.44	2.79
Disk upstream face*#	0.548	13.88	13.91
Disk downstream face	0.295	7.27	7.49
Disk thickness	0.273	7.13	6.92
Cup length	1.005	24.84	25.53
Cup center	0.503	12.42	12.76
Disk center from upstream	0.574	14.01	14.57
Disk center from downstream	0.431	10.84	10.95
Disk offset in cup	-0.071	-1.59	-1.81
zbeam offset for MC		1.7	

* From upstream ladder face

Blue = measured

Green = calculated

Disk seems to have slight tilt in z along oblique angle in x-y