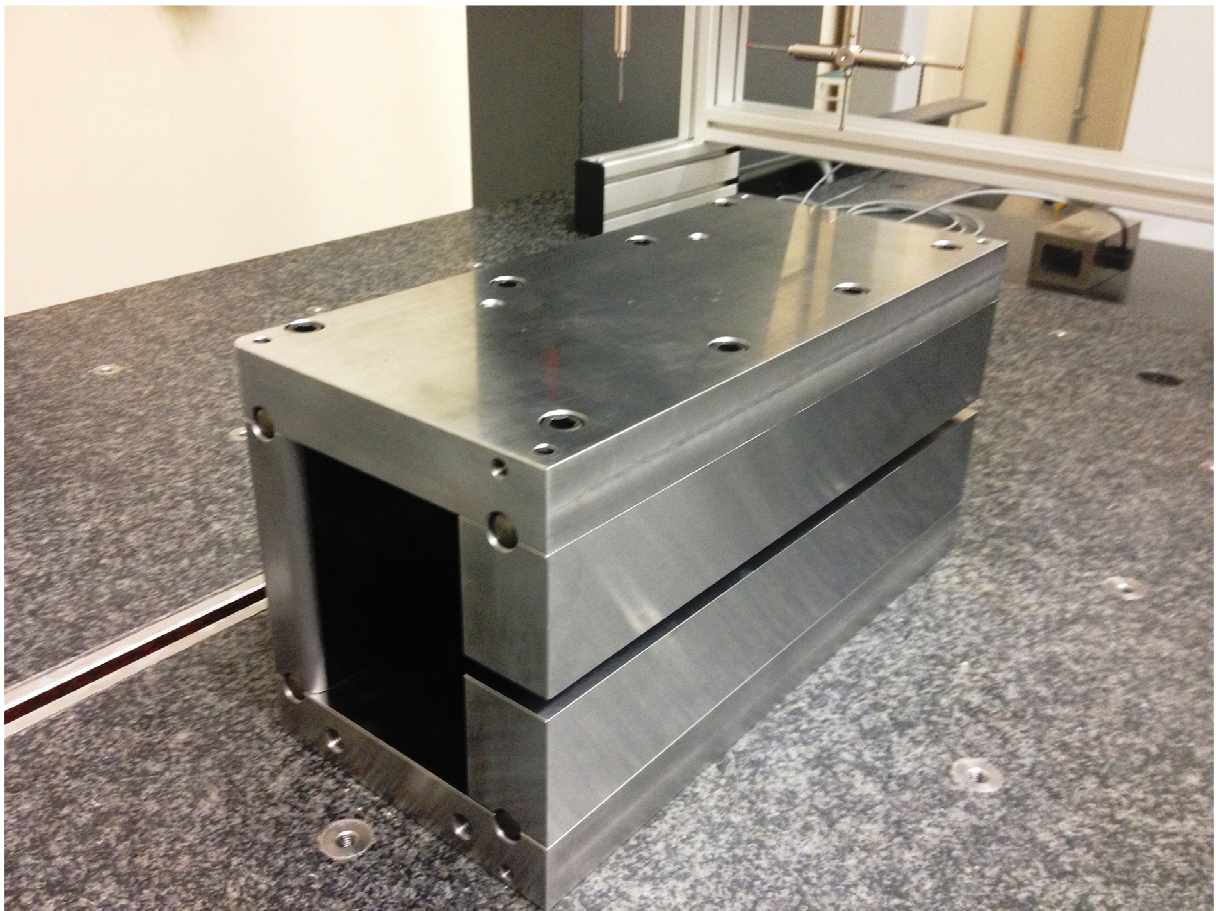


SXRSS C-MAGNET FIDUCIALIZATION REPORT



Serial Number : 4
Beamline Name :

Coordinate System Setup

Spatial Alignment

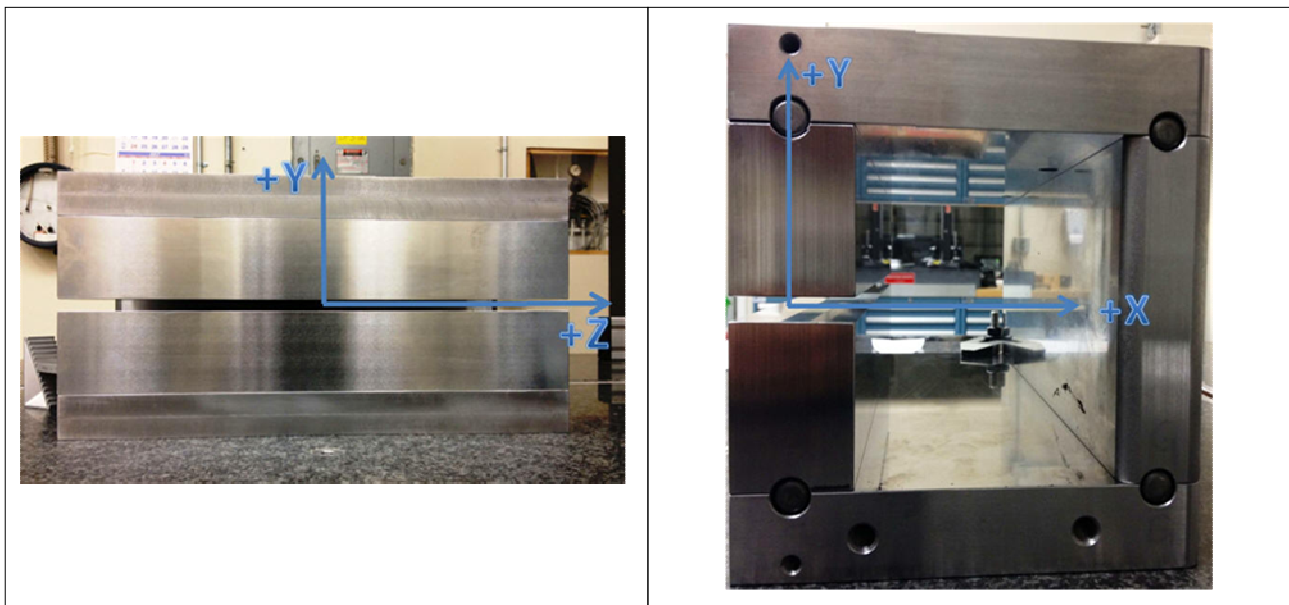
Constructed using the Midplane of the Upper and Lower Pole with the Midplane of the Width ('X') of the Poles. If looking from Gap Side, +Z is towards the right.

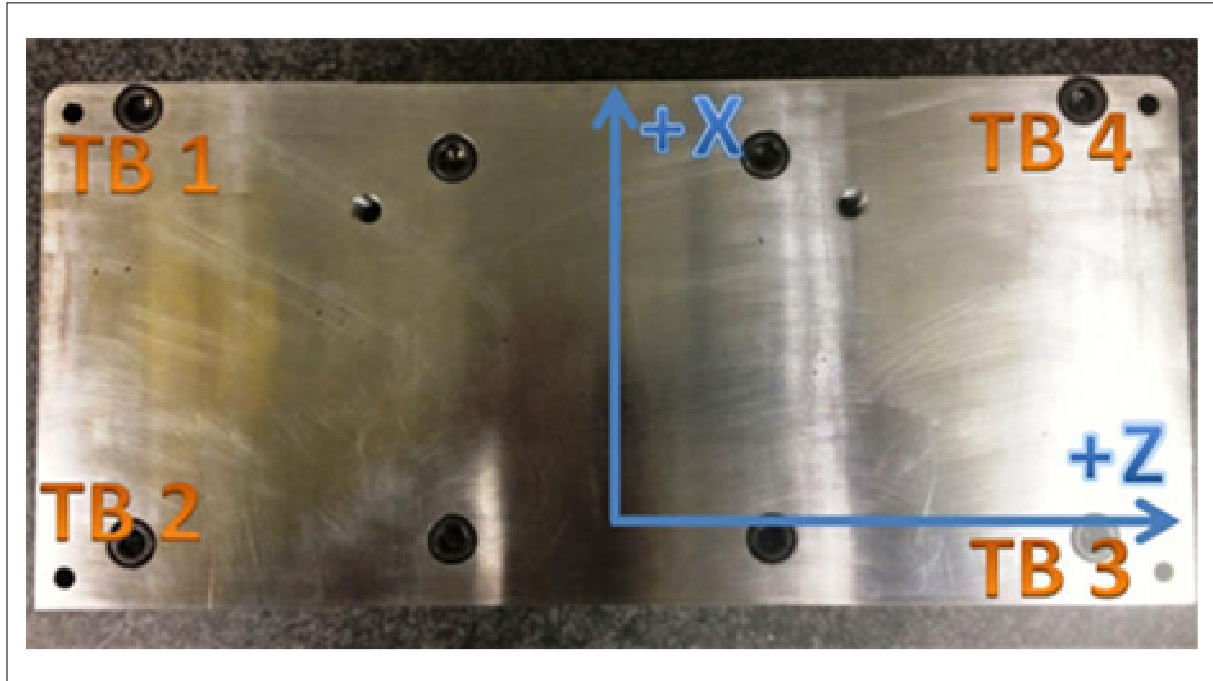
Planar Alignment

The Lower Pole Plane is the Planar Alignment sets the +Y direction towards the Tooling Balls or Ceiling. Therefore, +X is in the points in the direction to the Coils (opposite Magnet Gap).

Coordinate Origins

The Axis created in the Spatial Alignment sets the Origin in 'X' & 'Y'. The Midplane of the Upstream and Downstream Ends of the magnet sets the Origin in 'Z'.

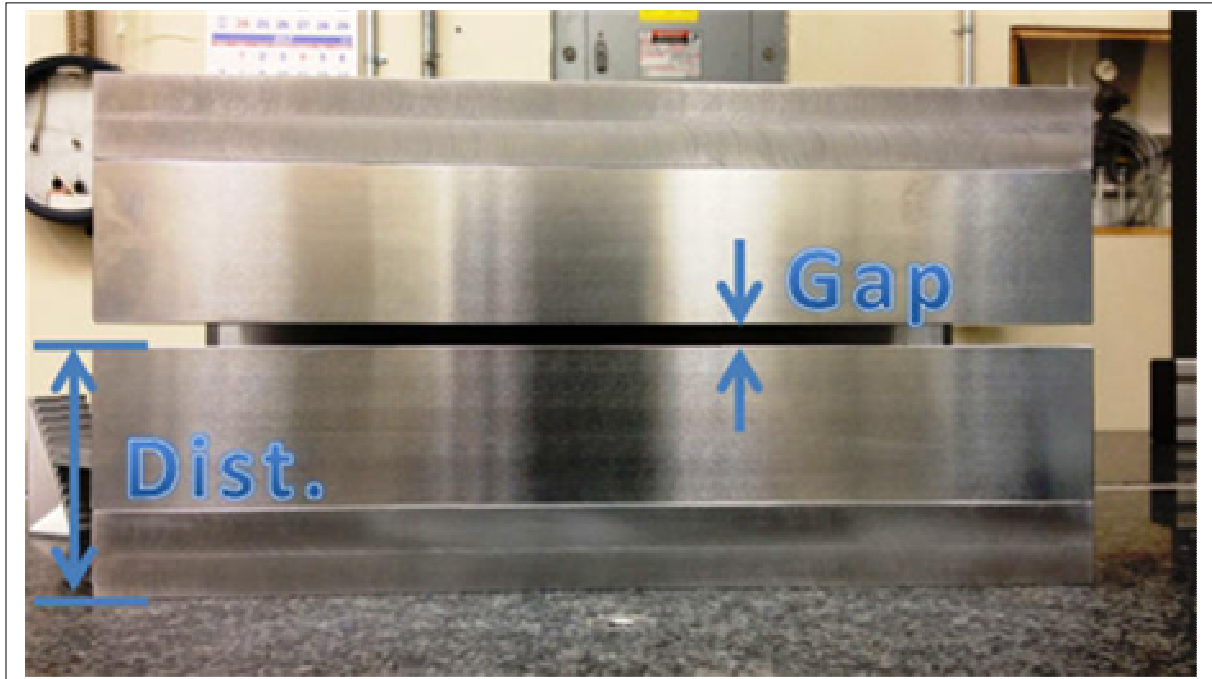




Tooling Ball Locations

TB #	Form	Diameter	X Coord.	Y Coord.	Z Coord.
TB 1	0.00002	1.49987	5.23783	4.58622	-6.62710
TB 2	0.00007	1.49986	-0.41284	4.58598	-6.62692
TB 3	0.00002	1.49984	-0.41282	4.58603	6.62336
TB 4	0.00003	1.49984	5.23728	4.58602	6.62251

Tooling Ball Locations are 1 inch above unpainted surface pads
 Using 1.500 inch Sphere On Magnetic Socket Adapter
 Dimensions in Inch



Additional Measurements

Feature	Actual	Min.	Max.
Ovr. Length	14.00355	----	----
Ovr. Width	6.39466	----	----
Ovr. Height	7.17280	----	----
Pole Width	1.57468	1.57459	1.57488
Magnet Gap	0.31557	0.31552	0.31562
Gap Paralellism	0.0001	----	----
Dist. to Lower Pole	3.42889	3.42882	3.42925

Dimensions in Inch