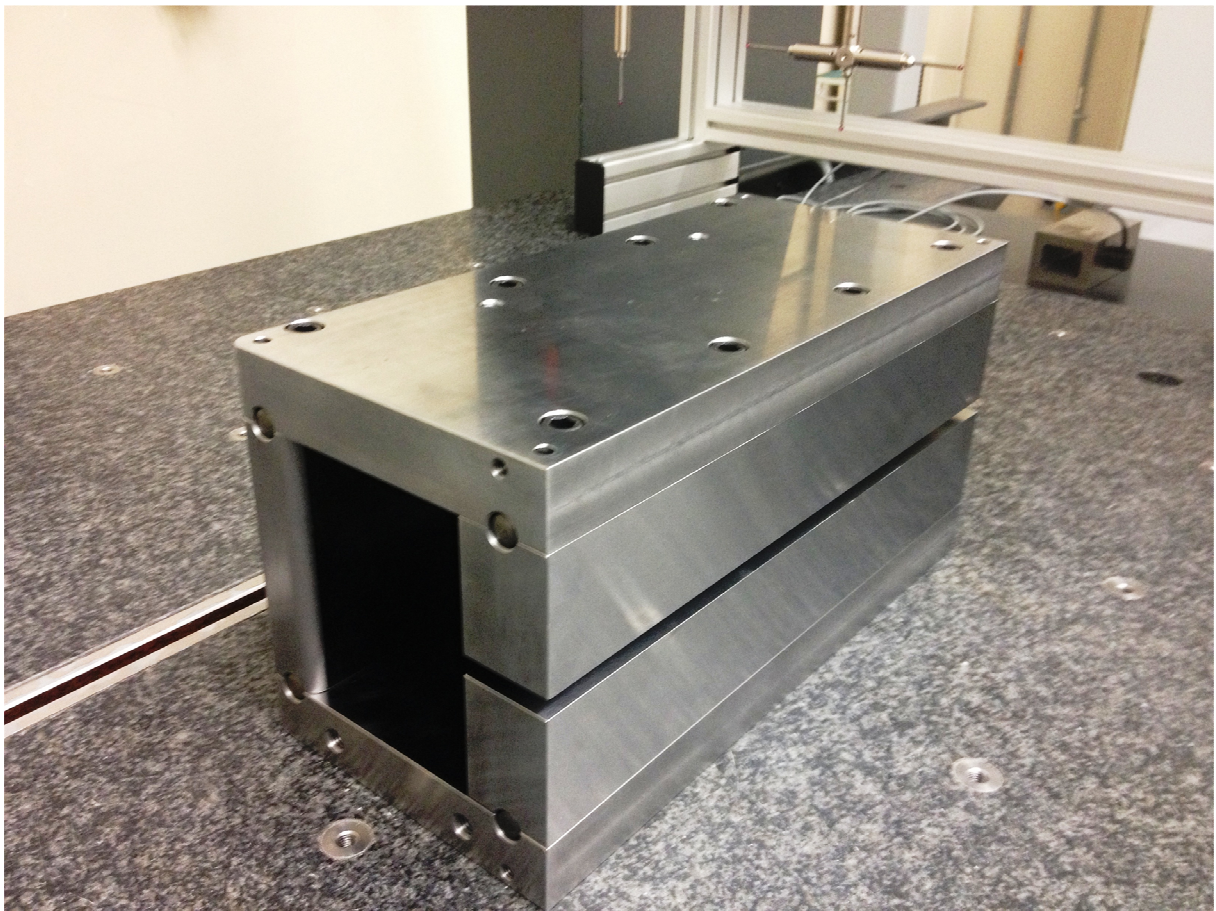


SXRSS C-MAGNET FIDUCIALIZATION REPORT



Serial Number : 1
Beamline Name :

Coordinate System Setup

Spatial Alignment

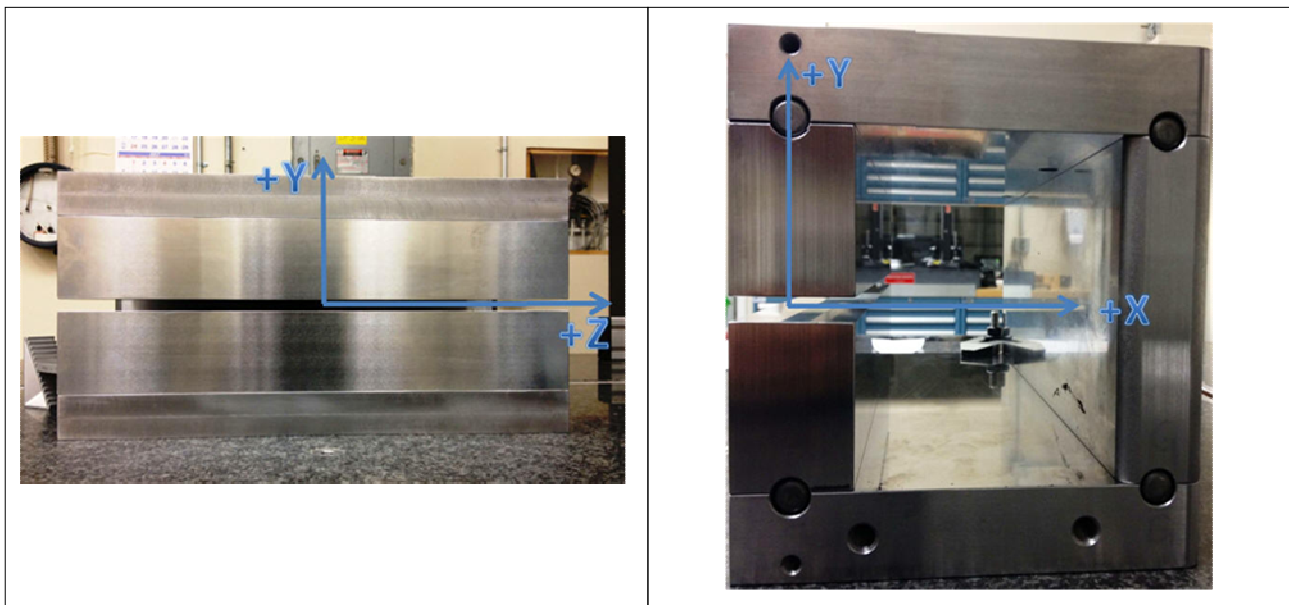
Constructed using the Midplane of the Upper and Lower Pole with the Midplane of the Width ('X') of the Poles. If looking from Gap Side, +Z is towards the right.

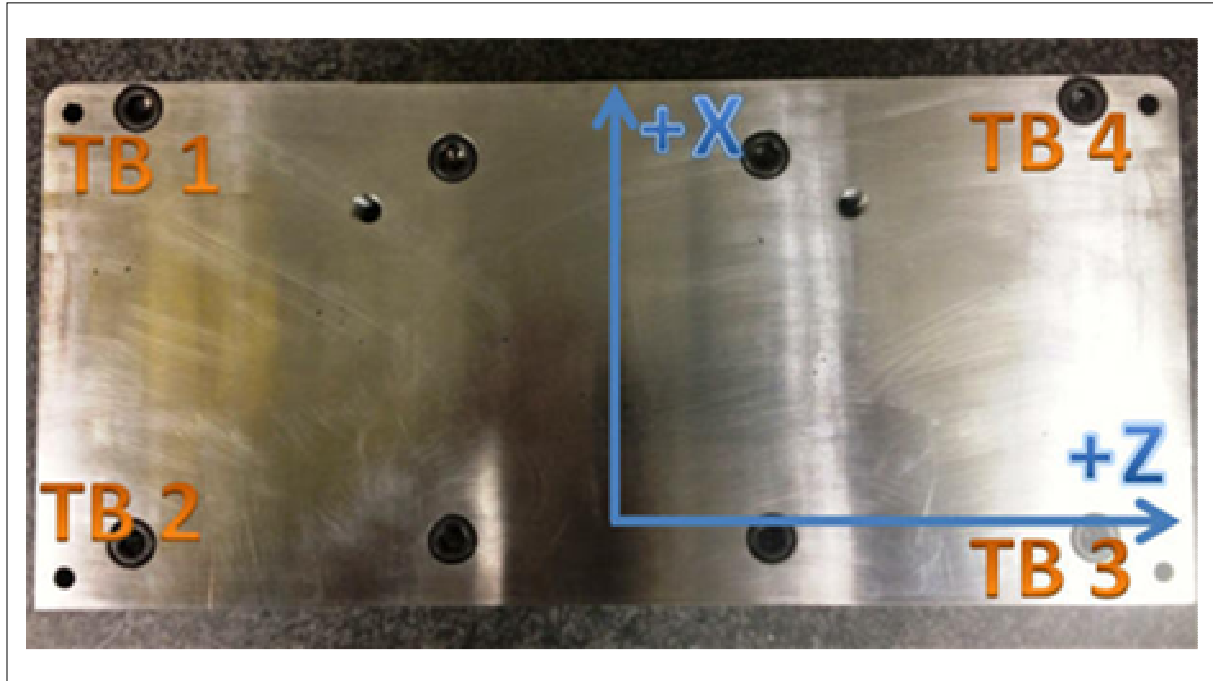
Planar Alignment

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'.

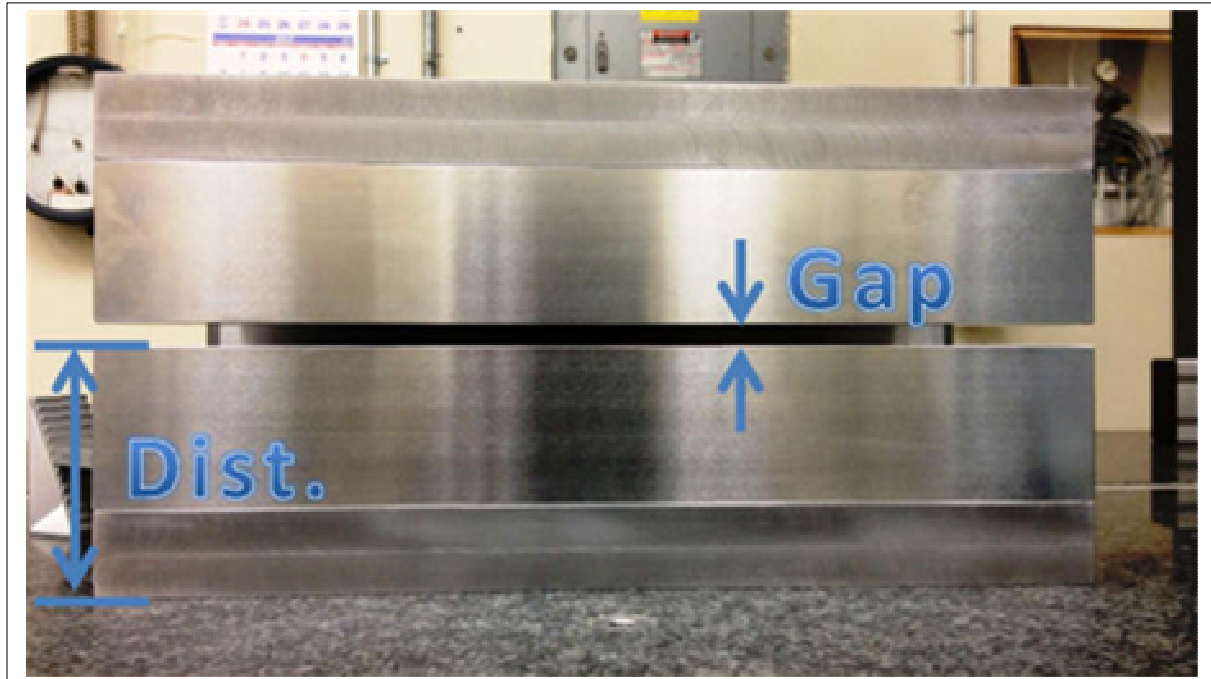




Tooling Ball Locations

TB #	Form	Diameter	X Coord.	Y Coord.	Z Coord.
TB 1	0.00001	1.49988	5.23735	4.58647	-6.62719
TB 2	0.00002	1.49989	-0.41231	4.58639	-6.62689
TB 3	0.00002	1.49990	-0.41220	4.58630	6.62240
TB 4	0.00001	1.49988	5.23767	4.58632	6.62269

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	14.00403	----	----
Ovr. Width	6.39166	----	----
Ovr. Height	7.17298	----	----
Pole Width	1.57473	1.57467	1.57491
Magnet Gap	0.3157	0.31561	0.31576
Gap Paralellism	0.00014	----	----
Dist. to Lower Pole	3.42844	3.42838	3.42851

Dimensions in Inch