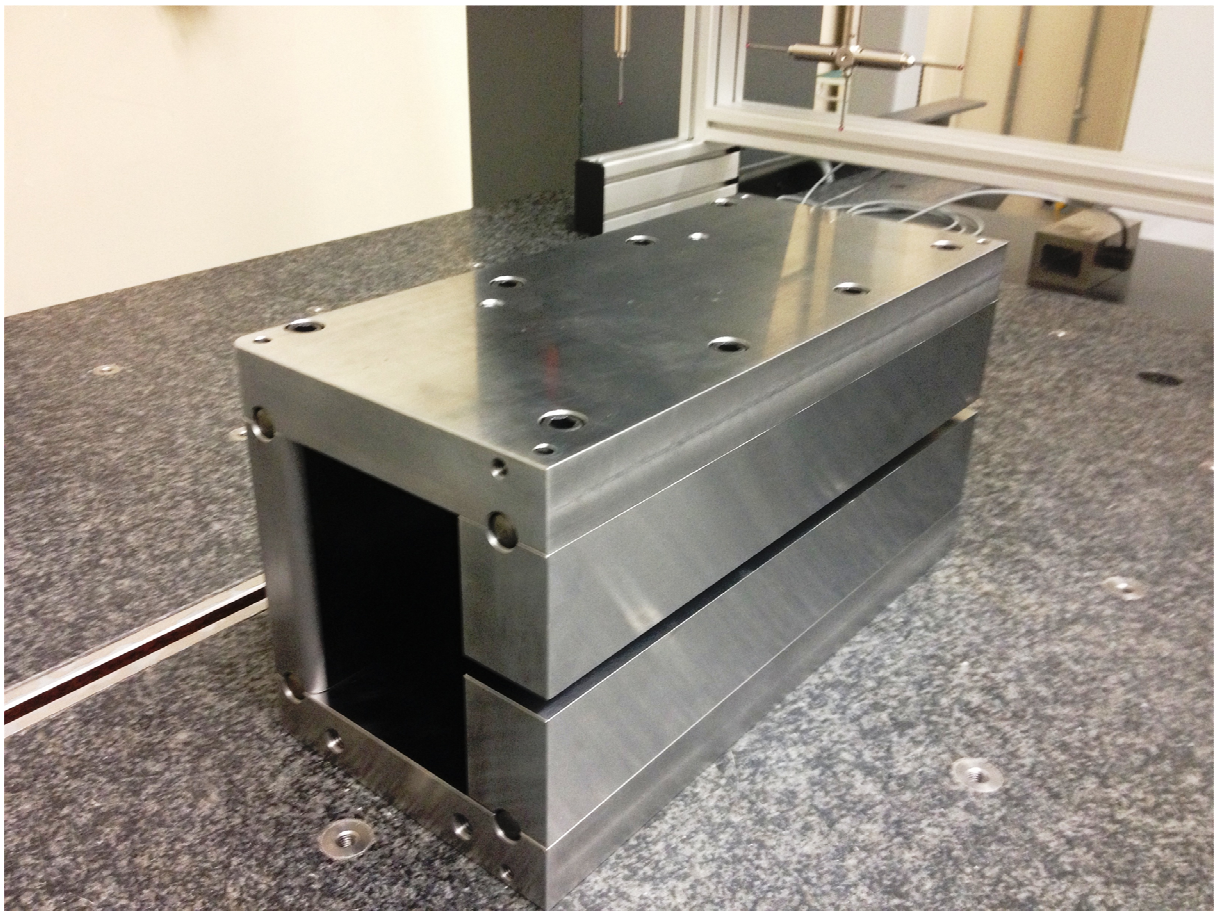


SXRSS C-MAGNET FIDUCIALIZATION REPORT



Serial Number : 2
Beamline Name :

Coordinate System Setup

Spatial Alignment

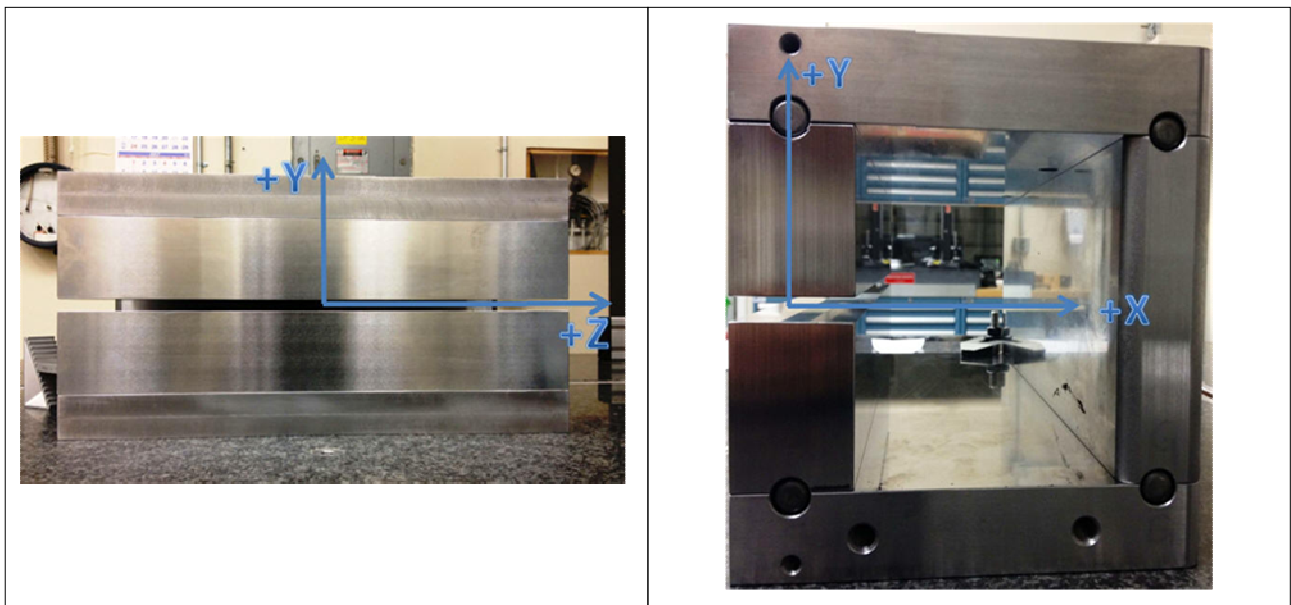
Constructed using the Midplane of the Upper and Lower Pole with the Midplane of the Width ('X') of the Poles. If looking from Gap Side, +Z is towards the right.

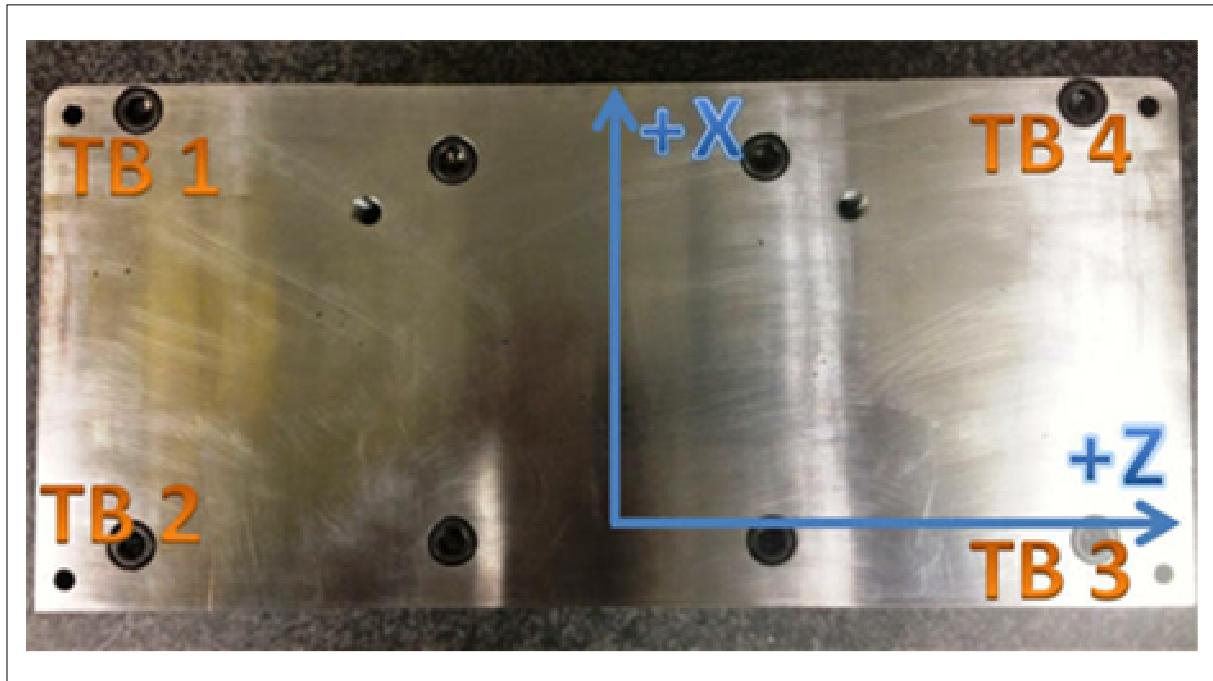
Planar Alignment

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'.

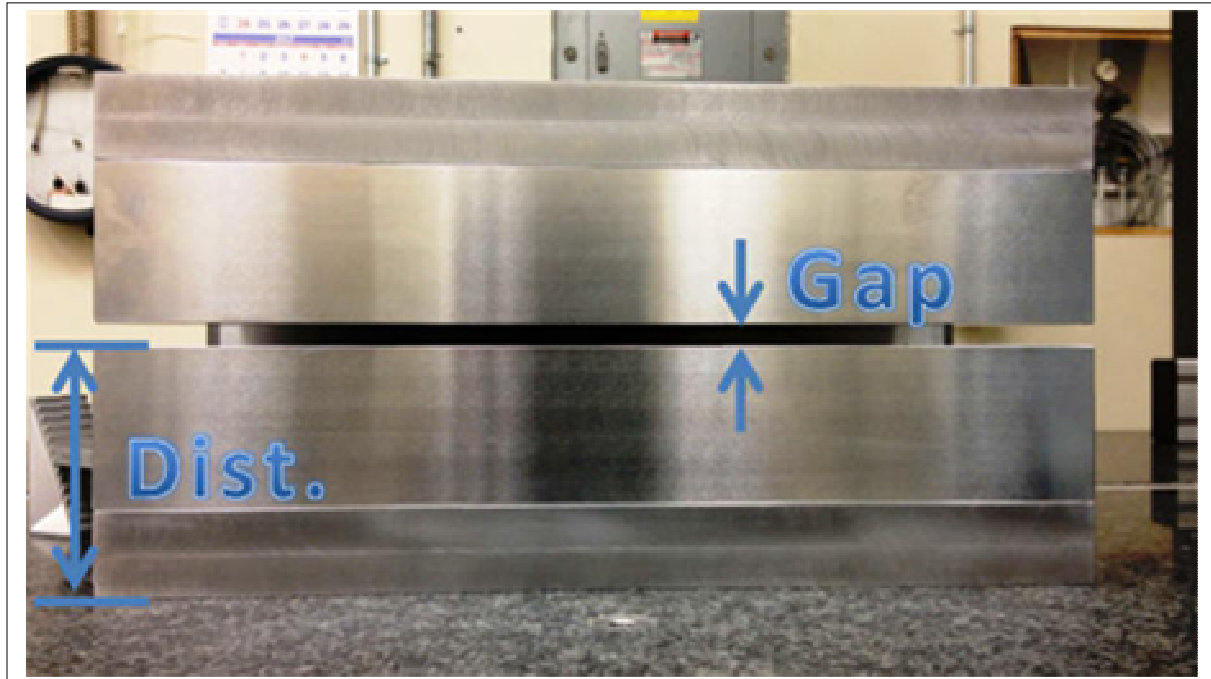




Tooling Ball Locations

TB #	Form	Diameter	X Coord.	Y Coord.	Z Coord.
TB 1	0.00002	1.49986	5.24023	4.58647	-6.62737
TB 2	0.00006	1.49988	-0.41104	4.58646	-6.62710
TB 3	0.00007	1.49989	-0.41058	4.58659	6.62321
TB 4	0.00003	1.49988	5.24040	4.58647	6.62363

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	14.00429	----	----
Ovr. Width	6.39256	----	----
Ovr. Height	7.17301	----	----
Pole Width	1.57524	1.57435	1.57693
Magnet Gap	0.31537	0.31524	0.31543
Gap Paralellism	0.0002	----	----
Dist. to Lower Pole	3.42858	3.42854	3.42862

Dimensions in Inch