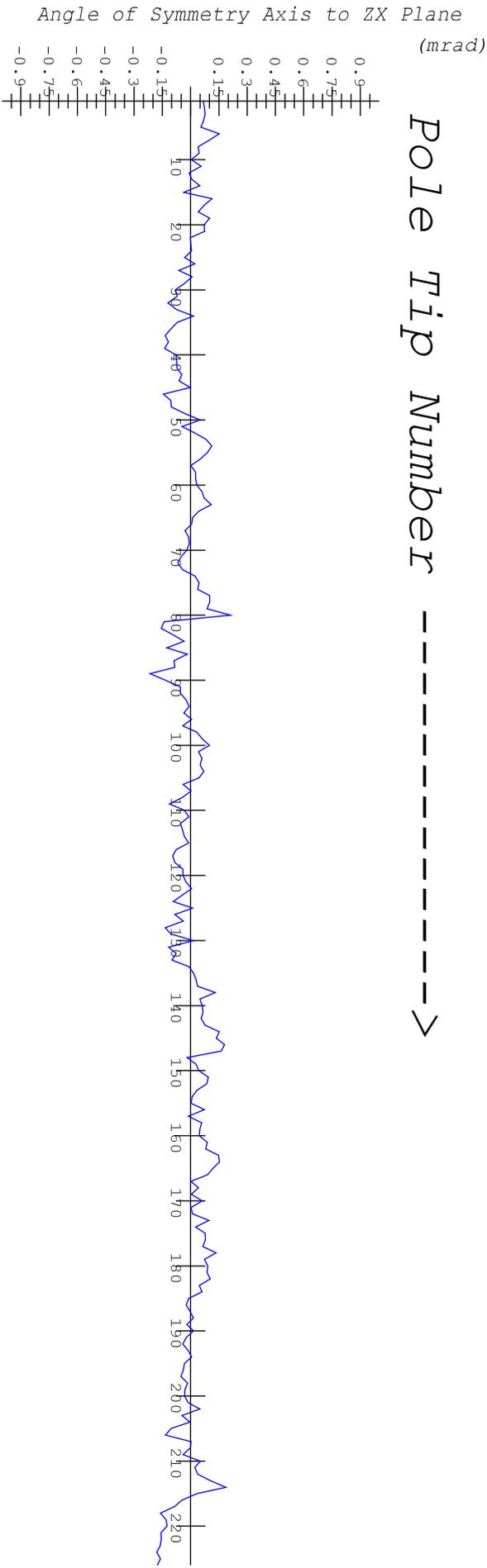


Pole Tip Number ----->

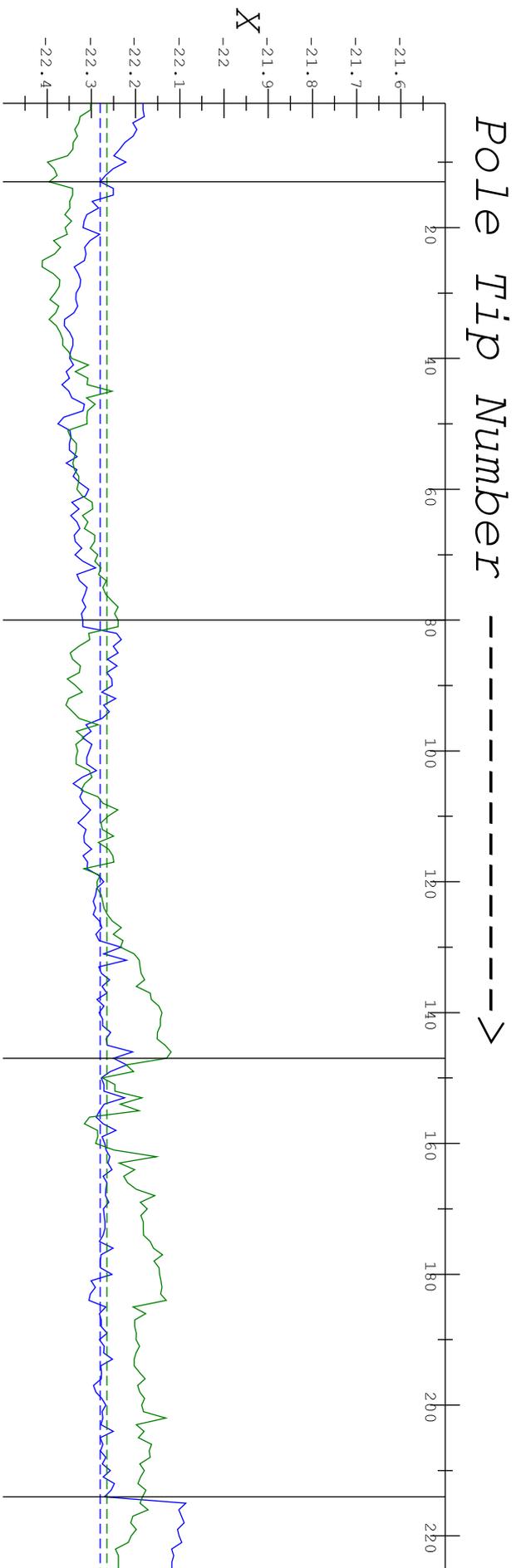


Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
 Included Angle is the angle between the Upper and Lower Pole Tips



Undulator Pole Tip Angles
 Inprocess Shim Check
 6.8mm Gap Undulator

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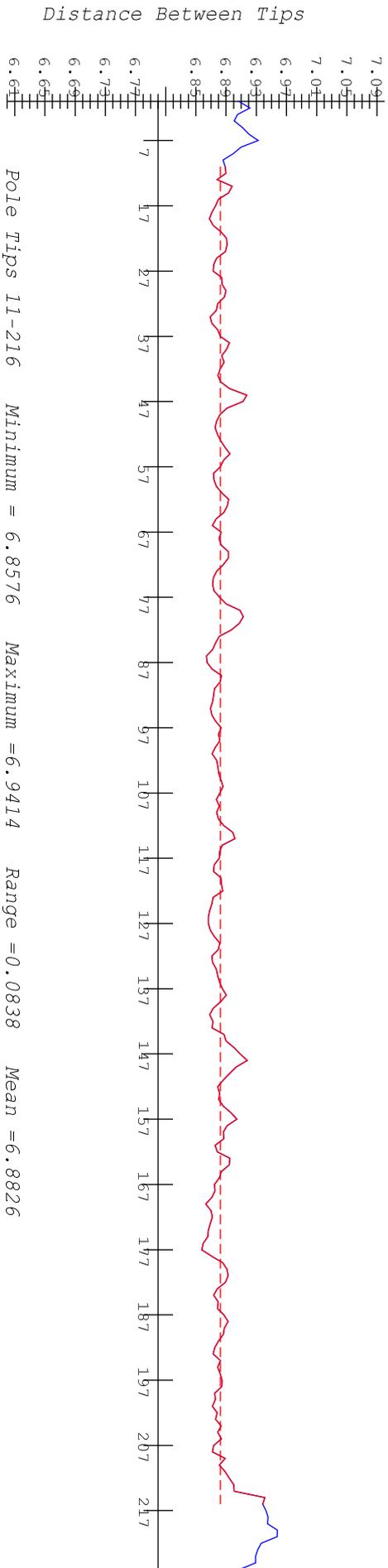
X values in mm

Green Solid = Point on front face of Upper Pole Tip 11.5mm above Magnetic C/L

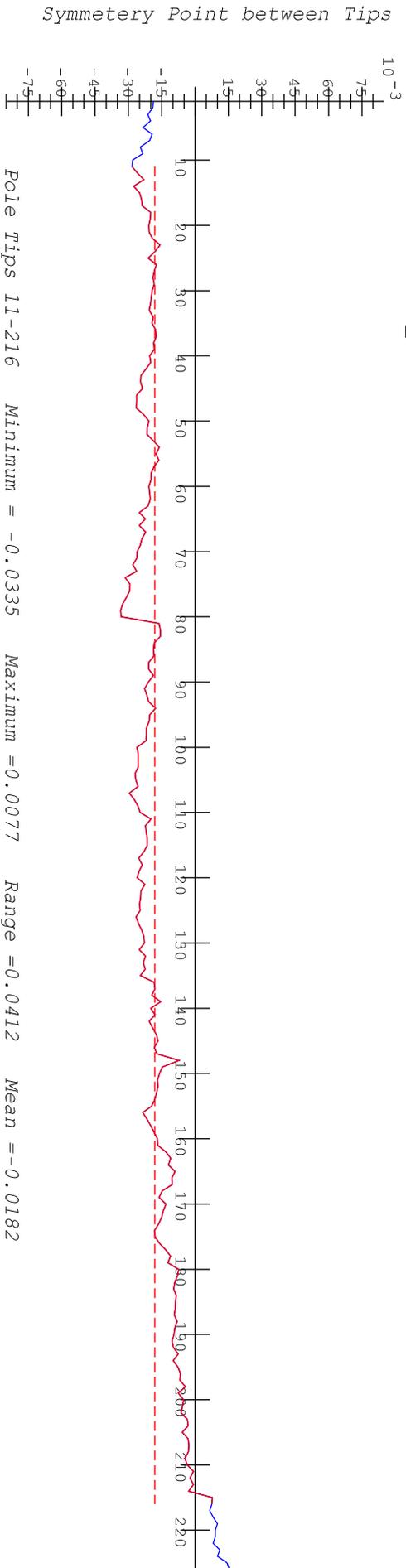
Green Dash = Mean value of all Upper Pole Tips 11.5mm above Magnetic C/L Mean value Upper Pole Tips = -22.265

Blue Solid = Point on front face of Lower Pole Tip 11.5mm below Magnetic C/L

Blue Dash = Mean value of all Lower Pole Tips 11.5mm below Magnetic C/L Mean value Lower Pole Tips = -22.280



in mm
 Pole Tip Number ----->



Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C\L
 Broken Red line is Mean Value of Symmetry Points and Mean Value of Gap Distance
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C\L

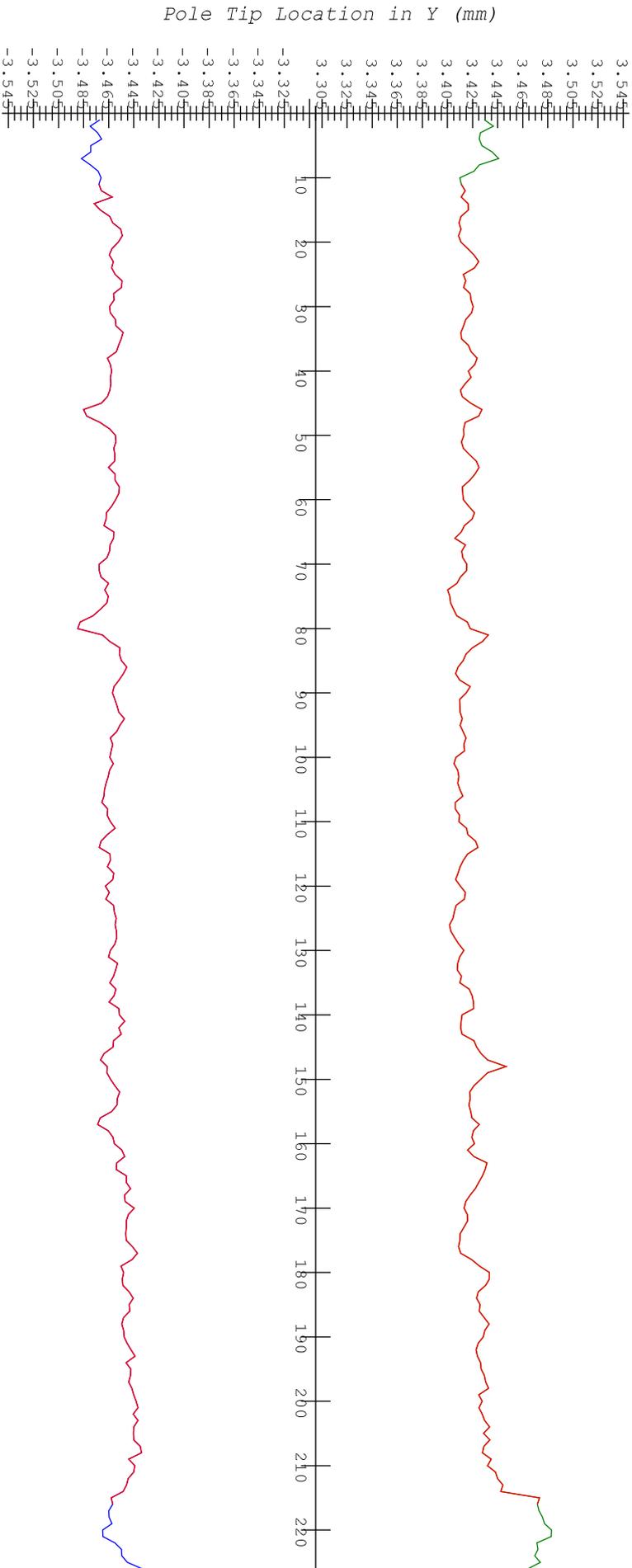


Undulator Pole Tip Location

Inprocess Shim Check
 6.8mm Gap Undulator

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Pole Tips 11-216 Minimum = 3.4051 Maximum = 3.4784 Range = 0.0733



Pole Tips 11-216 Minimum = -3.4898 Maximum = -3.4389 Range = 0.0509

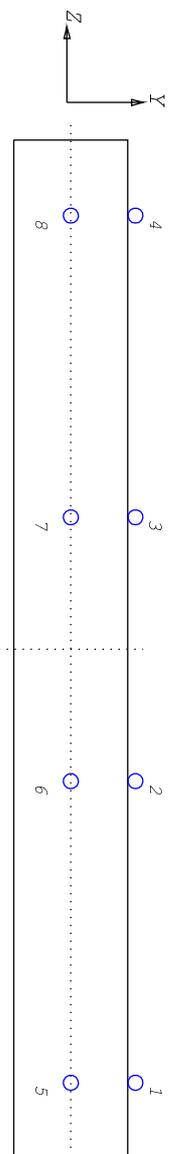
Pole Tip Number ----->

Green + Red = The position of the Upper Pole Tips at Magnetic C/L (Pole Tips 11-216 in Red)
Blue + Red = The position of the Lower Pole Tips at Magnetic C/L (Pole Tips 11-216 in Red)



Undulator Pole Tip Location
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6.8 mm Gap Undulator

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Top Magnetic Structure $\frac{C/L \text{ Offset}}{\text{Length}}$ 3380.684
 Bottom Magnetic Structure -0.316 3380.635
 Strongback 0.000 3399.796

Dimensions in mm

Angles in mrad

TOOLING BALL LOCATIONS

NUM.	X	Y	Z
1	-0.0437	179.8279	-1558.589
2	0.0855	179.7599	-585.0557
3	0.1189	179.7279	591.0367
4	0.1680	179.8693	1561.9020
5	248.2623	0.0323	-1558.650
6	248.2815	0.0536	-585.0396
7	248.3183	0.0254	591.0740
8	248.3182	0.0653	1561.8980



Undulator Dimensional Fiducialization
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