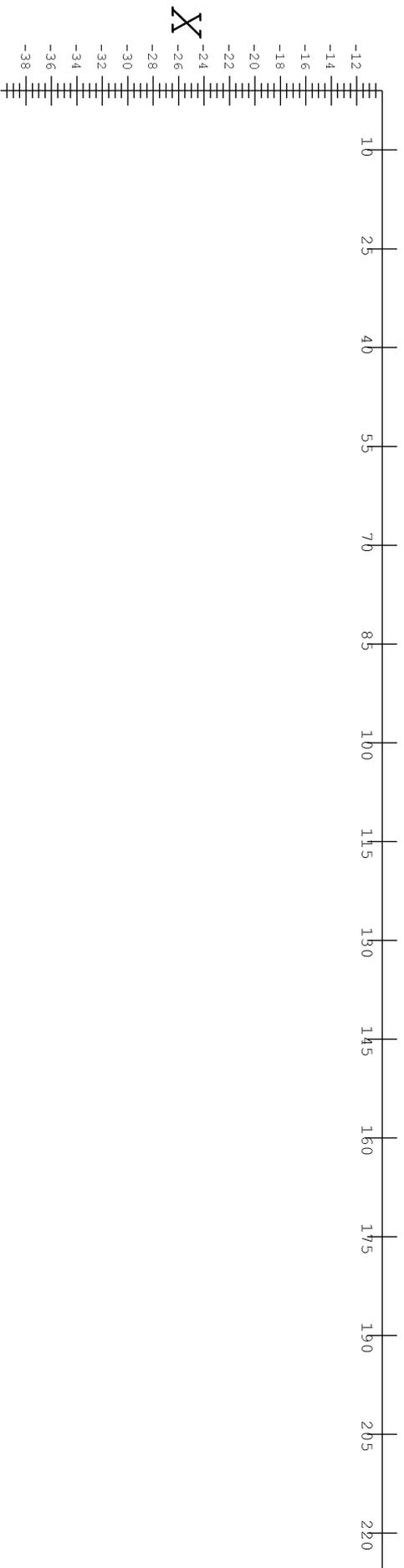
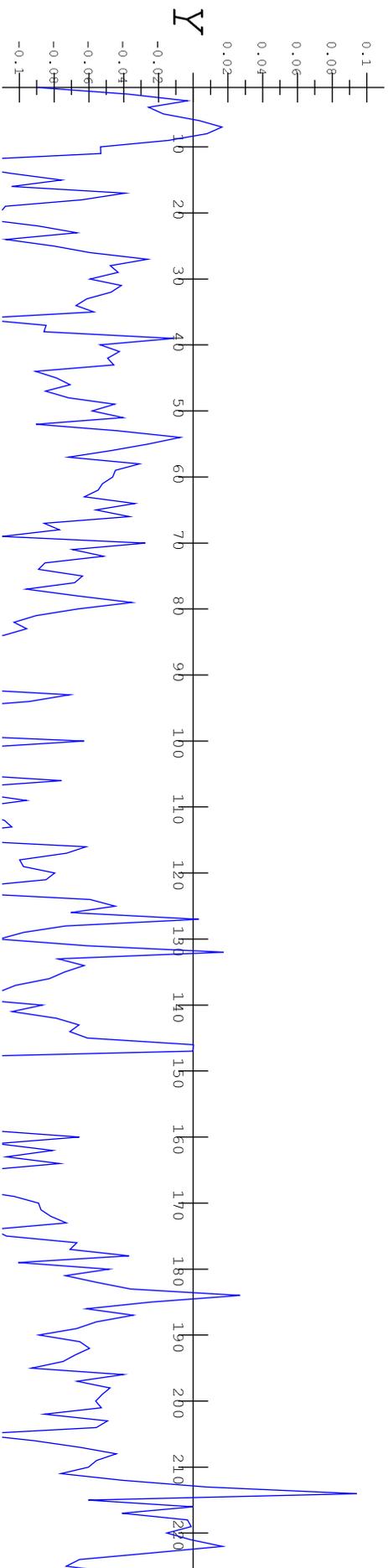


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Pole Tip Number ----->

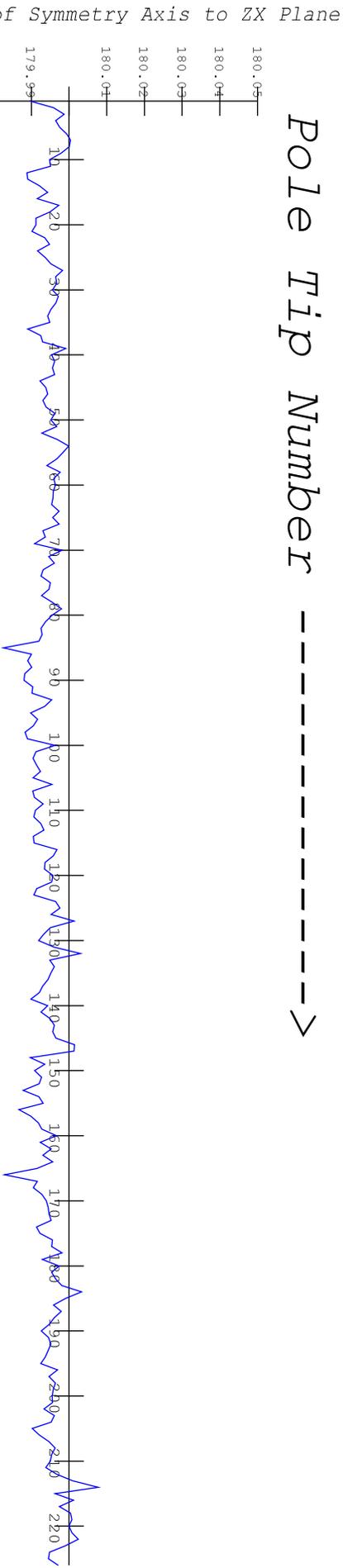
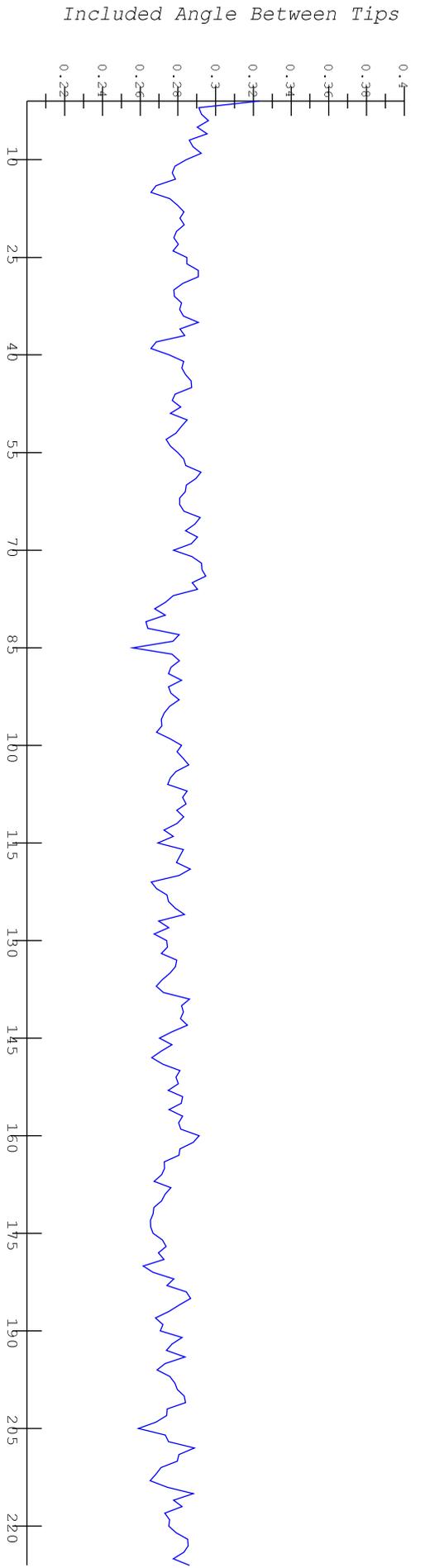


Offsets of Pole Tip Symmetry Point from Nominal Undulator center line
 Pole Tip Symmetry Point is the point where the symmetry axis between tips is bisected by the 6.8mm cross section

SLAC
 LCLS-MMF
 LEITZ CMM

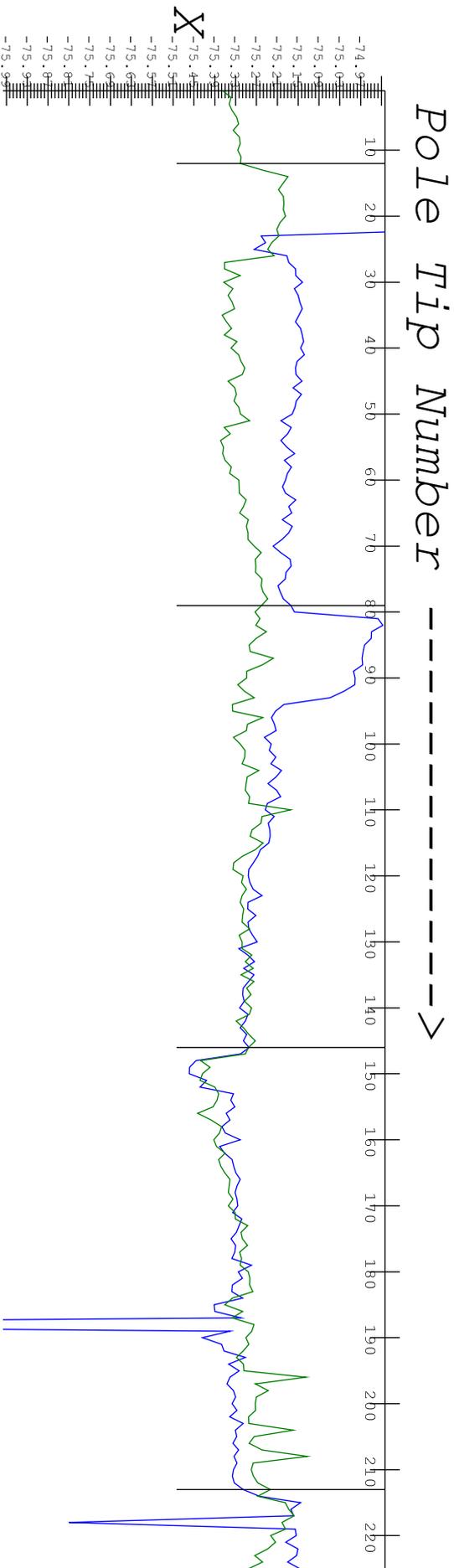
Undulator Pole Tip Offsets
 Measured unrestrained

DATE: 12-NOV-2009
 UNDUULATOR # 04



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

<p>SLAC LCLS-MMF LEITZ CMM</p>	<p>Undulator Pole Tip Angles Measured unrestrained</p>	<p>DATE: 12-NOV-2009 UNDUULATOR # 04</p>
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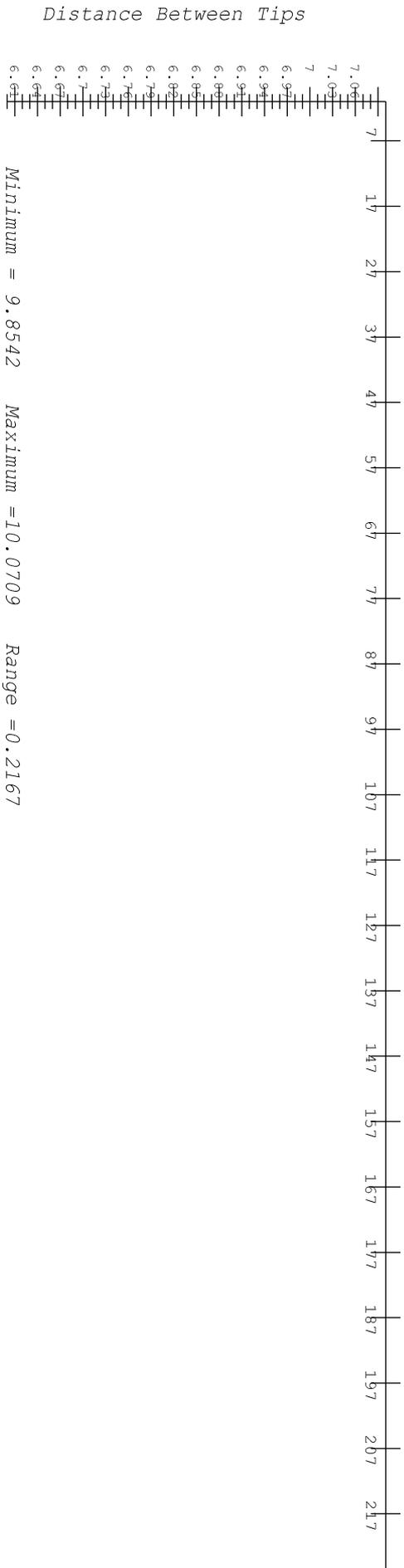


Green = Point on Front face of Upper Pole Tip 10mm above Nominal C/L
 Blue = Point on Front face of Lower Pole Tip 10mm below Nominal C/L

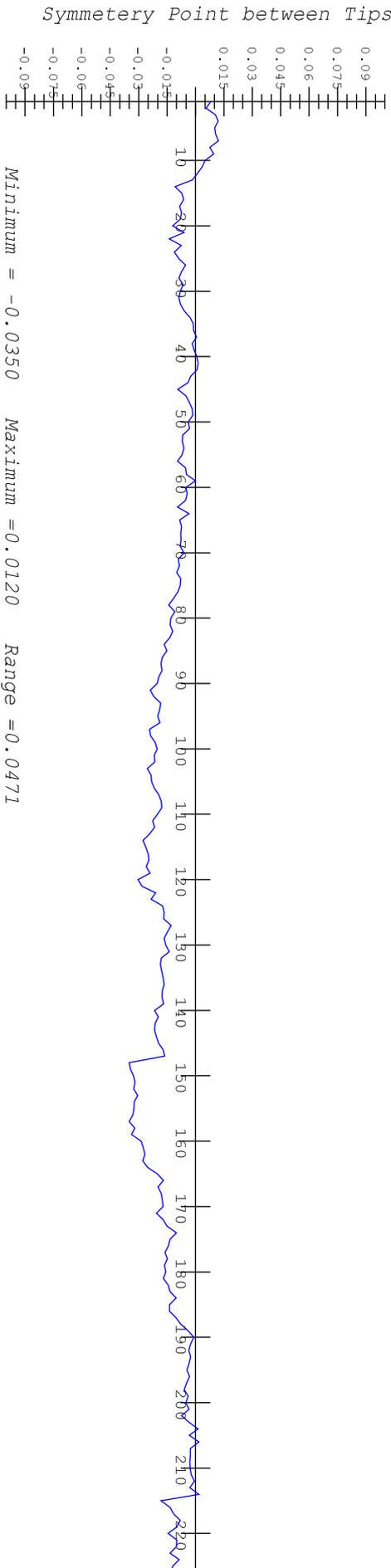
SLAC
 LCLS-MMF
 LEITZ CMM

Undulator Pole Tip Location
 Measured unrestrained

DATE: 12-NOV-2009
 UNDUULATOR # 04



Pole Tip Number ----->

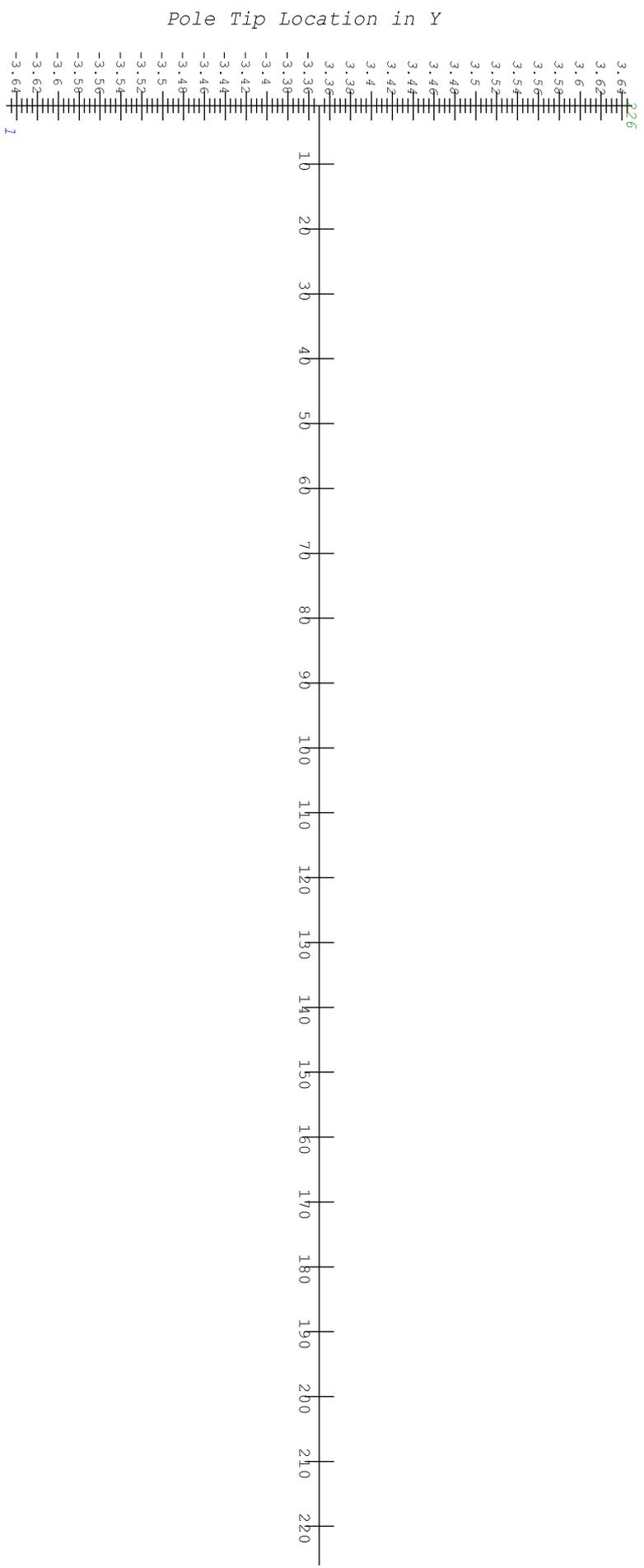


Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-

	<p>Undulator Pole Tip Location</p> <p>Measured unrestrained</p>	<p>DATE: 12-NOV-2009</p> <p>UNDUULATOR # 04</p>
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MINIMUM GAP = 9.8446

Minimum = 4.9255 Maximum = 5.0347 Range = 0.1092



Minimum = -5.0606 Maximum = -4.9191 Range = 0.1415

Pole Tip Number ----->

Green = The position of the Upper Pole Tips at 53mm from Datum -B-
 Blue = The position of the Lower Pole Tips at 53mm from Datum -B-
 Min. Gap = The minimum gap between pole tips 53mm from Datum -B-

<p>SLAC LCLS-MMF LEITZ CMM</p>	<p>Undulator Pole Tip Location Measured unrestrained</p>	<p>DATE: 12-NOV-2009 UNDUULATOR # 04</p>
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