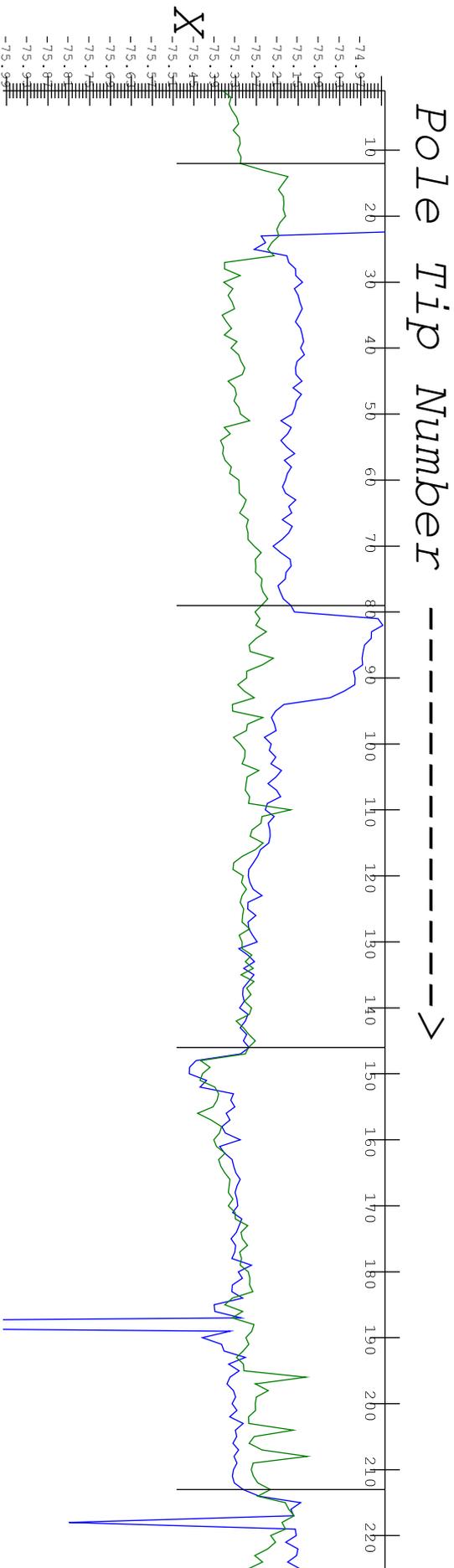


Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips  
 Included Angle is the angle between the Upper and Lower Pole Tips

<p><b>SLAC</b>          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

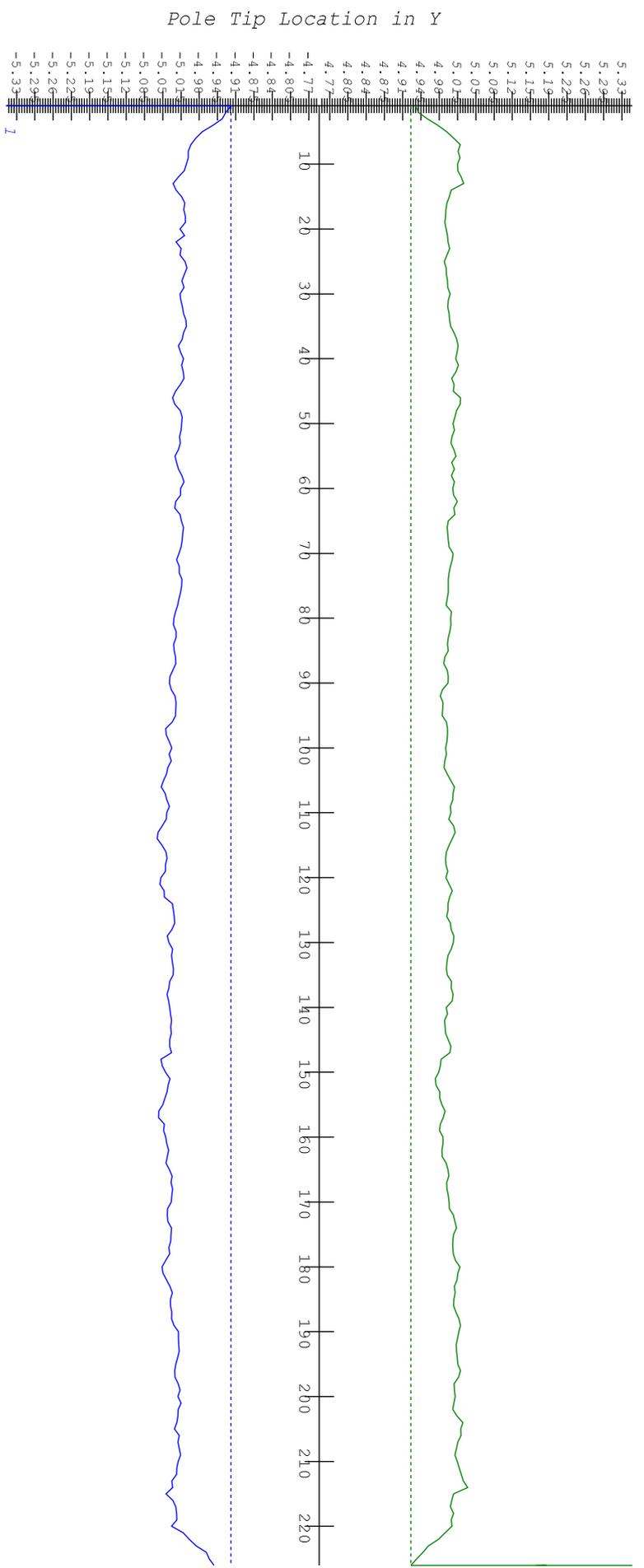
**SLAC**  
 LCLS-MMF  
 LEITZ CMM

Undulator Pole Tip Location  
 Measured unrestrained

DATE: 12-NOV-2009  
 UNDUULATOR # 04

MINIMUM GAP = 9.8446

Minimum = 4.9255 Maximum = 5.0347 Range = 0.1092



Minimum = -5.0606 Maximum = -4.9191 Range = 0.1415

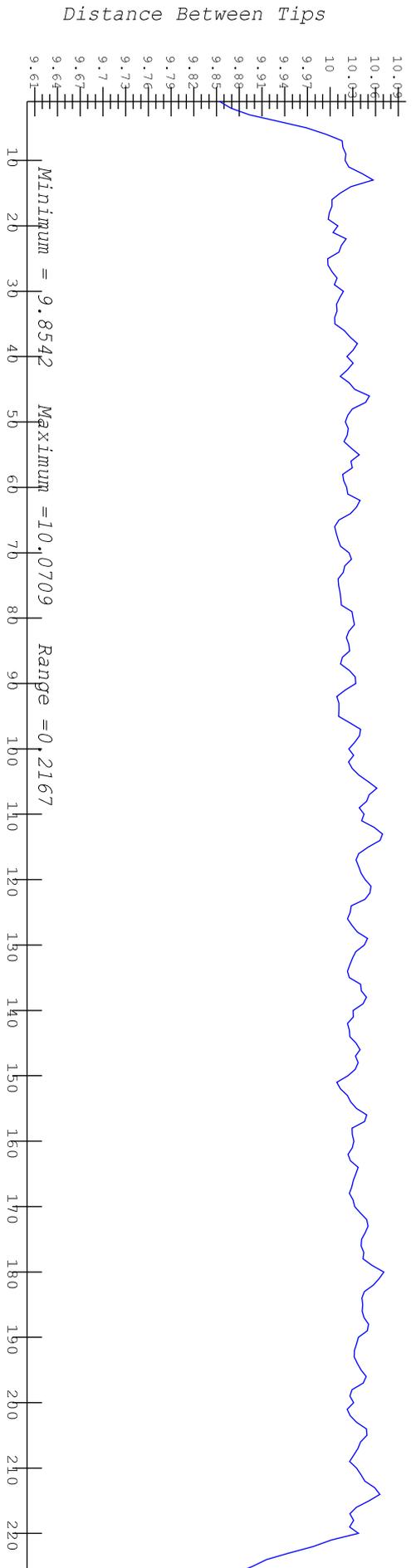
Pole Tip Number ----->

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-

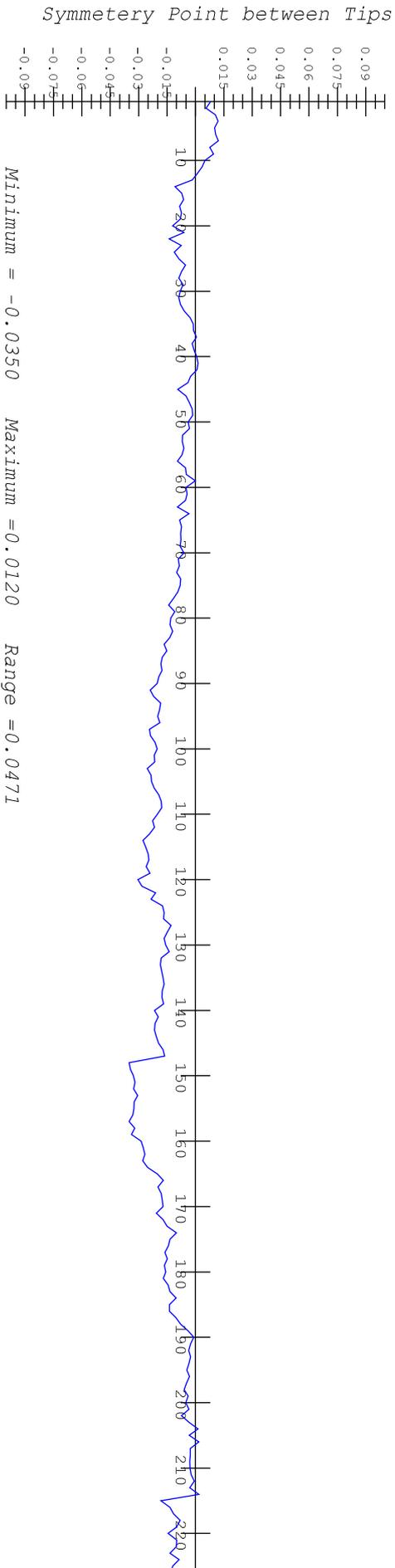
**SLAC**  
 LCLS-MMF  
 LEITZ CMM

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-

**SLAC**  
 LCLS-MMF  
 LEITZ CMM

Undulator Pole Tip Location  
 Measured unrestrained

DATE: 12-NOV-2009  
 UNDUULATOR # 04