

Actual points : \* \* \*      Neg. Deviation : ——— (red)      Pos. Deviation : ——— (green)

Notation : **UNDULATOR**

Producer :

Draw. No. :

Ser. No. : **18**

Part No. :

Department:

Element : **PLA\_B**

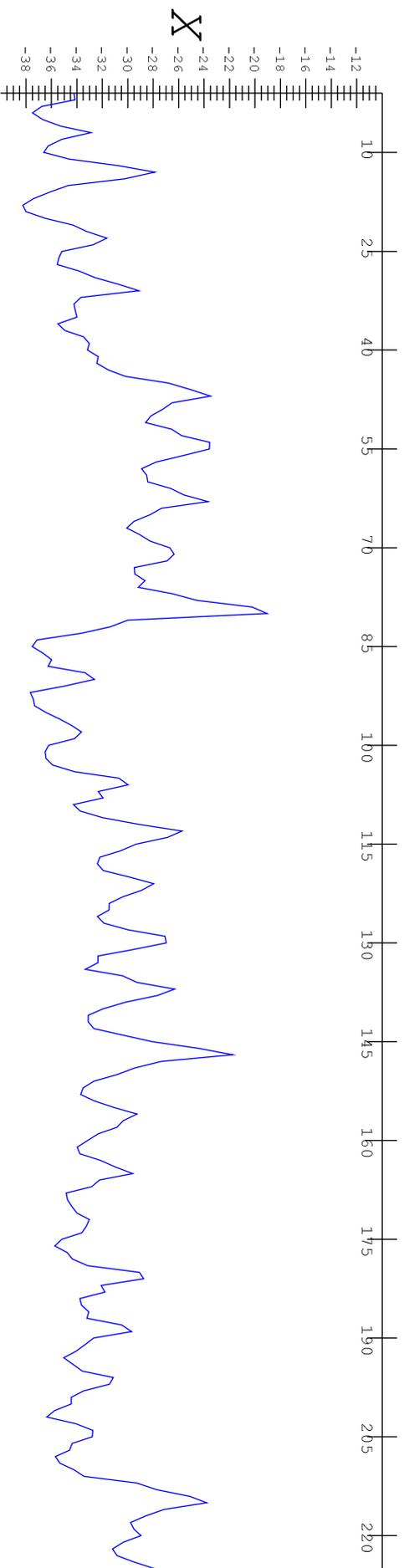
		X	Y	Z	No.	
Form .....	0.0707	Neg. Deviat.: -0.0257	115.4450	-92.5003	-1800.505	44
Error Magnif.:	3000	Pos. Deviat.: 0.0450	115.5135	96.9939	-3384.970	30
No. of points:	62					

**MESSTECHNIK WETZLAR**

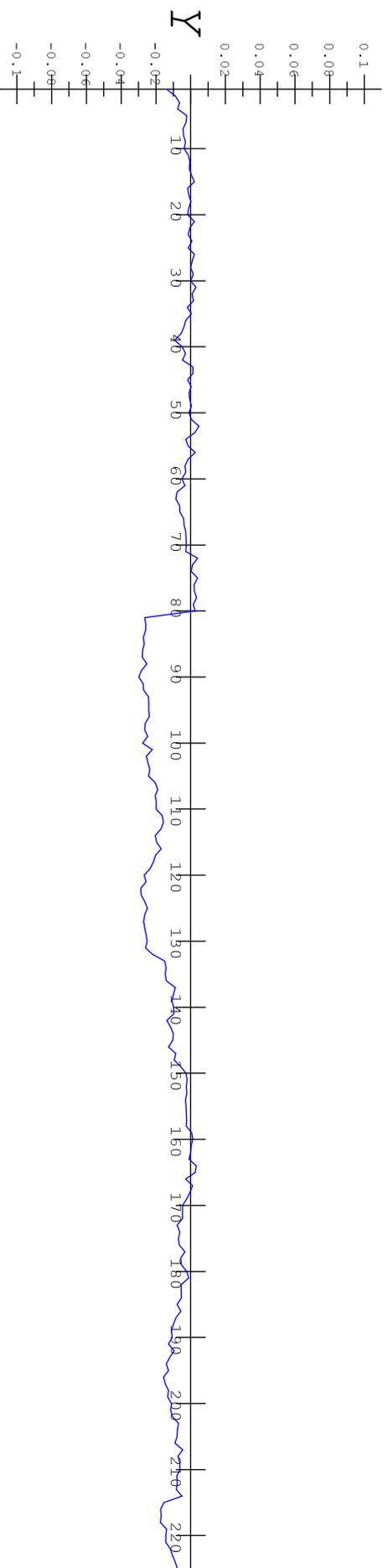


*FLATNESS*  
*ISO 1101*

Inspector : Quindos  
Date .....: 25-JAN-2008  
Time .....: 09:31:17



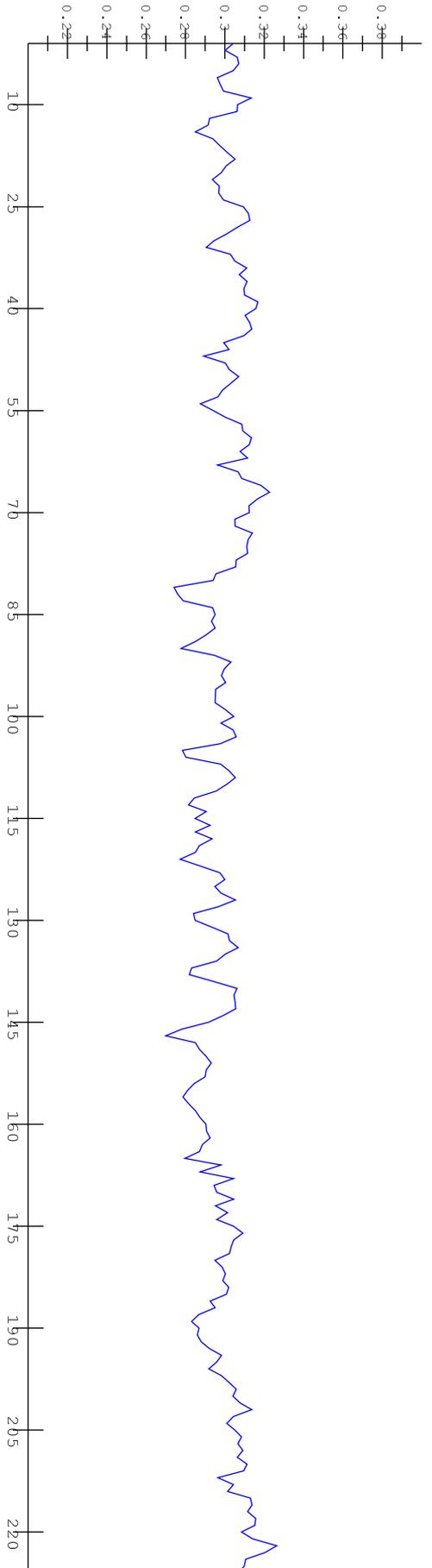
Pole Tip Number ----->



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

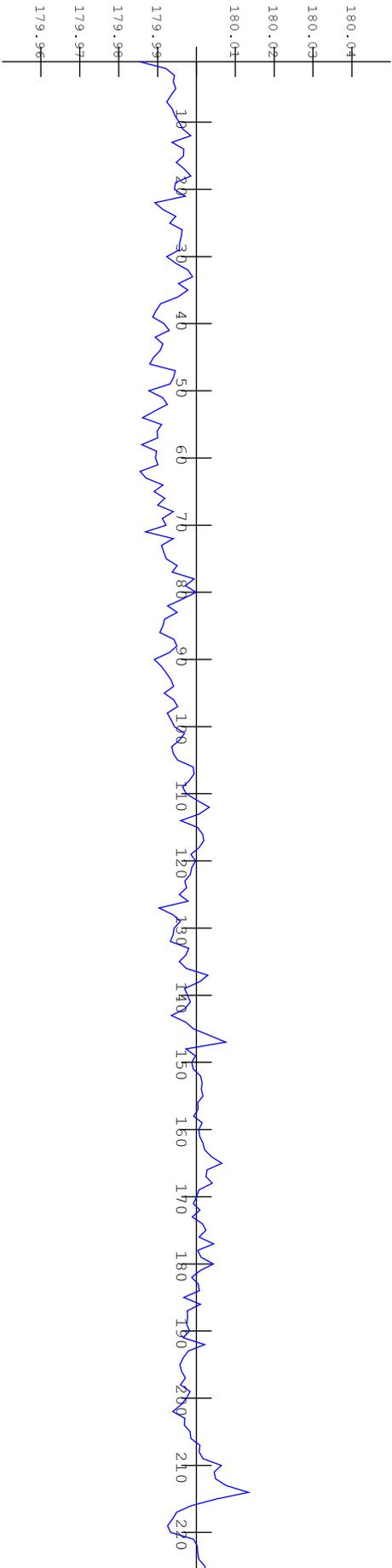
<p><b>SLAC</b>          LCLS-MMF          LEITZ CMM</p>	<p>Undulator Pole Tip Offsets          Measured unrestrained</p>	<p>DATE: 25-JAN-2008          UNDIULATOR # 18</p>
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Included Angle Between Tips



Pole Tip Number ----->

Angle of Symmetry Axis to ZX Plane



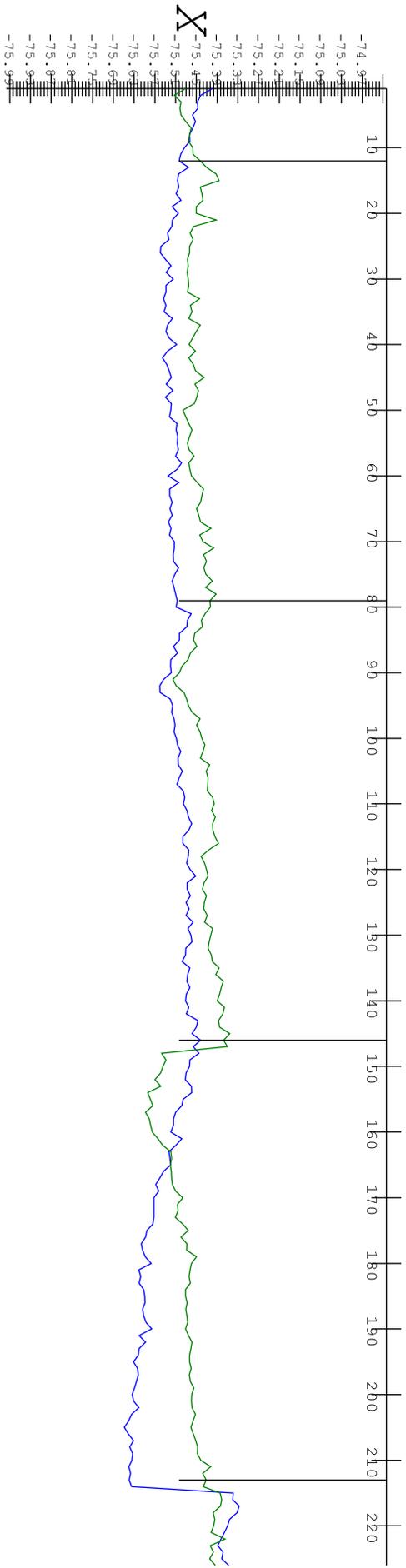
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips  
Included Angle is the angle between the Upper and Lower Pole Tips

**SLAC**  
LCLS-MMF  
LEITZ CMM

Undulator Pole Tip Angles  
Measured unrestrained

DATE: 25-JAN-2008  
UNDUULATOR # 18

# Pole Tip Number ----->

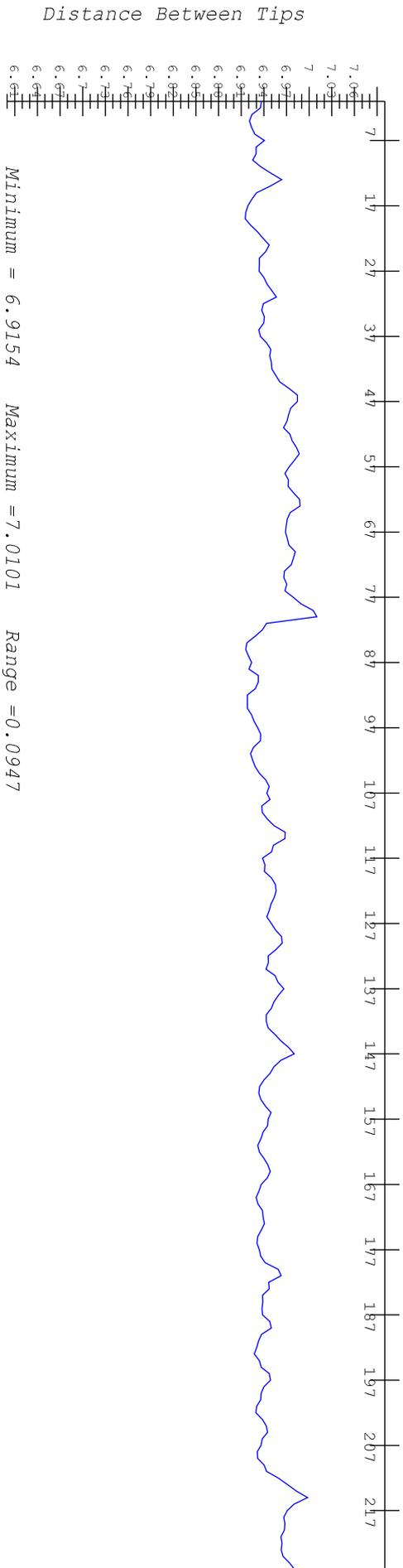


Green = Point on front face of Upper Pole Tip 10mm above Nominal C/L  
 Blue = Point on front face of Lower Pole Tip 10mm below Nominal C/L

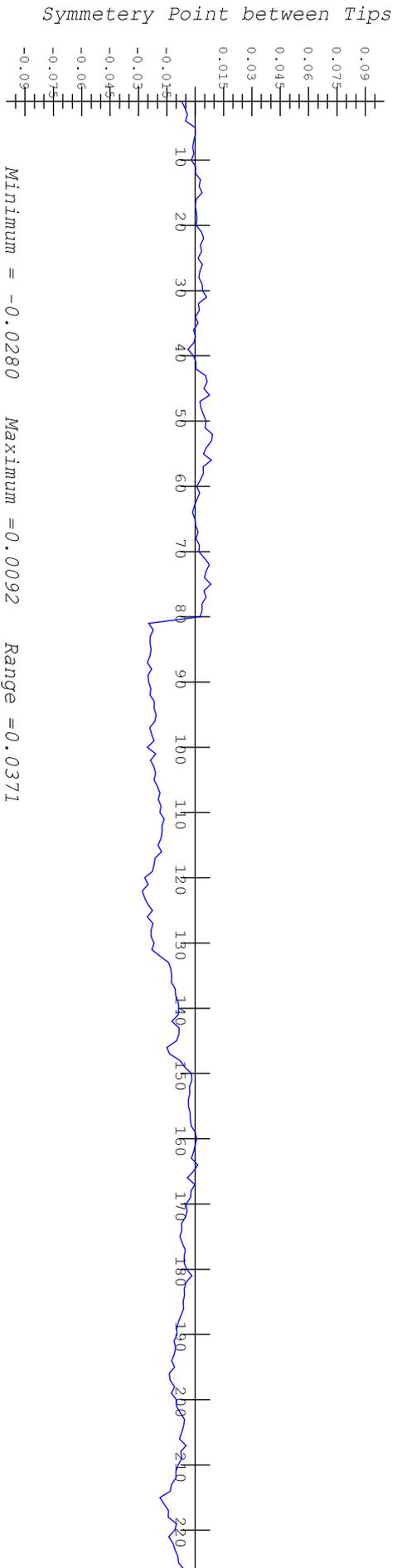
**SLAC**  
 LCLS-MMF  
 LEITZ CMM

Undulator Pole Tip Location  
 Measured unrestrained

DATE: 25-JAN-2008  
 UNDUULATOR # 18



Pole Tip Number ----->

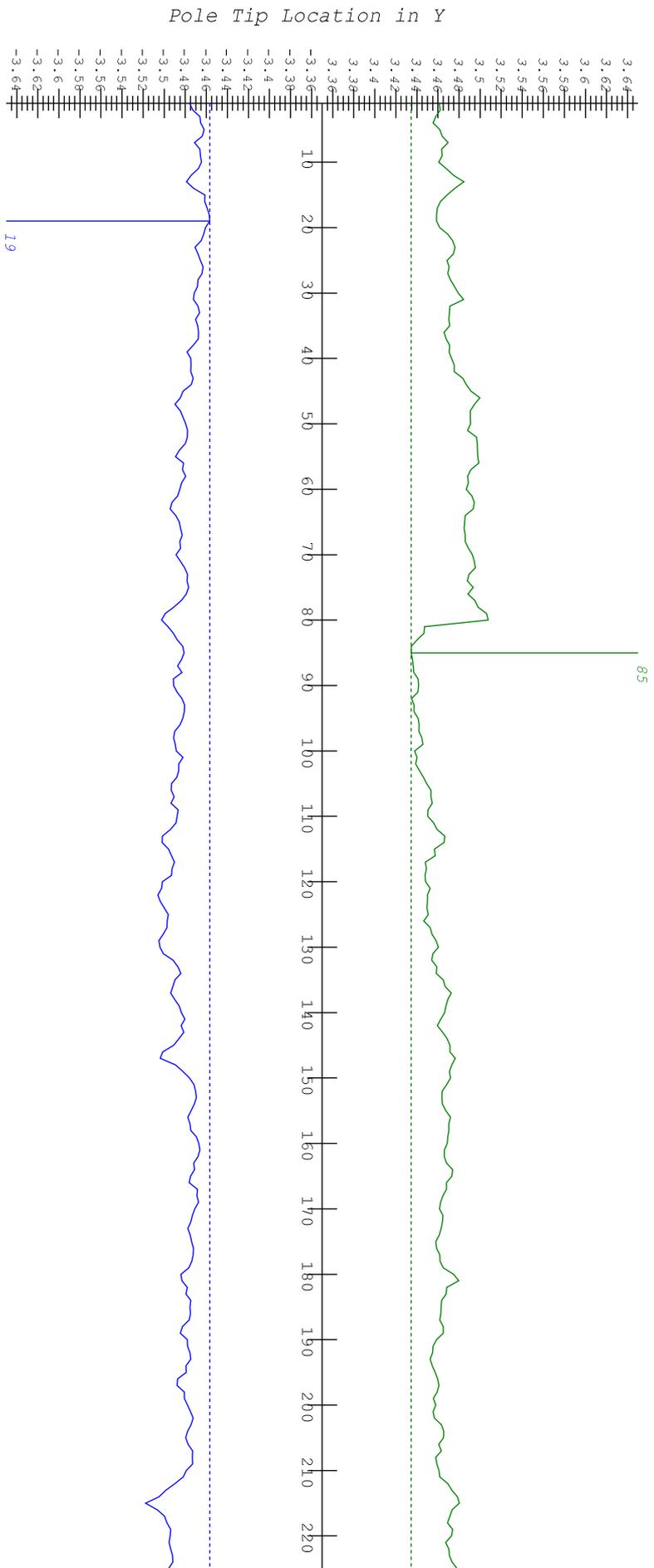


Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-  
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-

<p style="margin: 0;"> <b>SLAC</b>        LCLS-MMF        LEITZ CMM     </p>	<p style="margin: 0;"> <i>Undulator Pole Tip Location</i>  <i>Measured unrestrained</i> </p>	<p style="margin: 0;">       DATE: 25-JAN-2008        UNDUULATOR # 18     </p>
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MINIMUM GAP = 6.8914

Minimum = 3.4346 Maximum = 3.5077 Range = 0.0731



Minimum = -3.5176 Maximum = -3.4567 Range = 0.0609

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: 25-JAN-2008  
UNDUULATOR # 18