

Actual points : * * *

Neg. Deviation : ———

Pos. Deviation : ———

Notation : **UNDULATOR**

Producer :

Draw. No. :

Ser. No. : **34**

Part No. :

Department:

Element : **PLA_B**

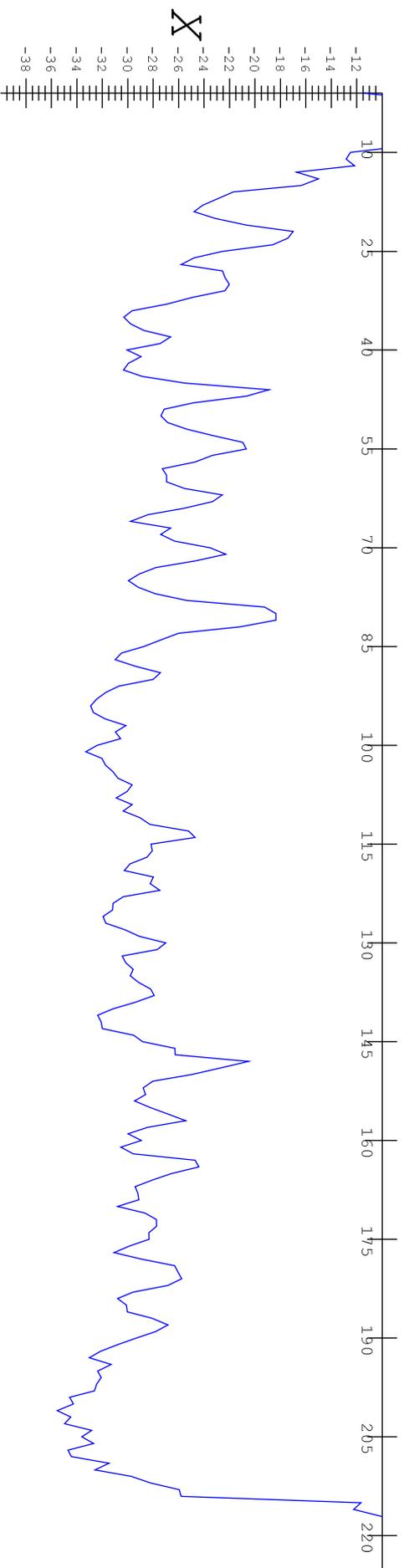
			X	Y	Z	No.	
Form	0.1297	Neg. Deviat.:	-0.0473	115.3907	90.4986	-1618.453	15
Error Magnif.:	3000	Pos. Deviat.:	0.0825	115.5154	96.9950	-3384.970	30
No. of points:	62						

MESSTECHNIK WETZLAR

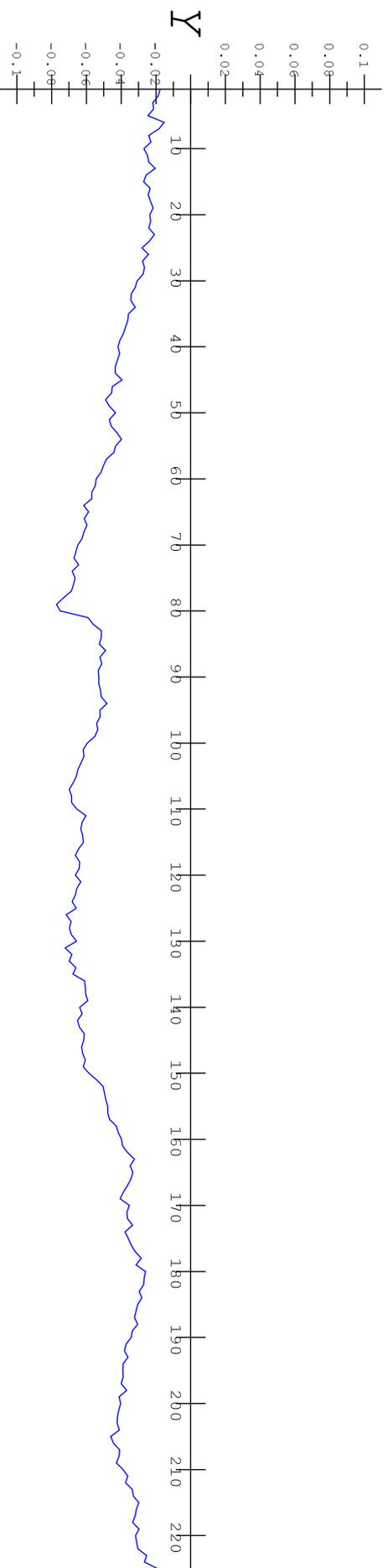


FLATNESS
ISO 1101

Inspector : **Quindos**
Date: **12-MAR-2008**
Time: **14:39:13**



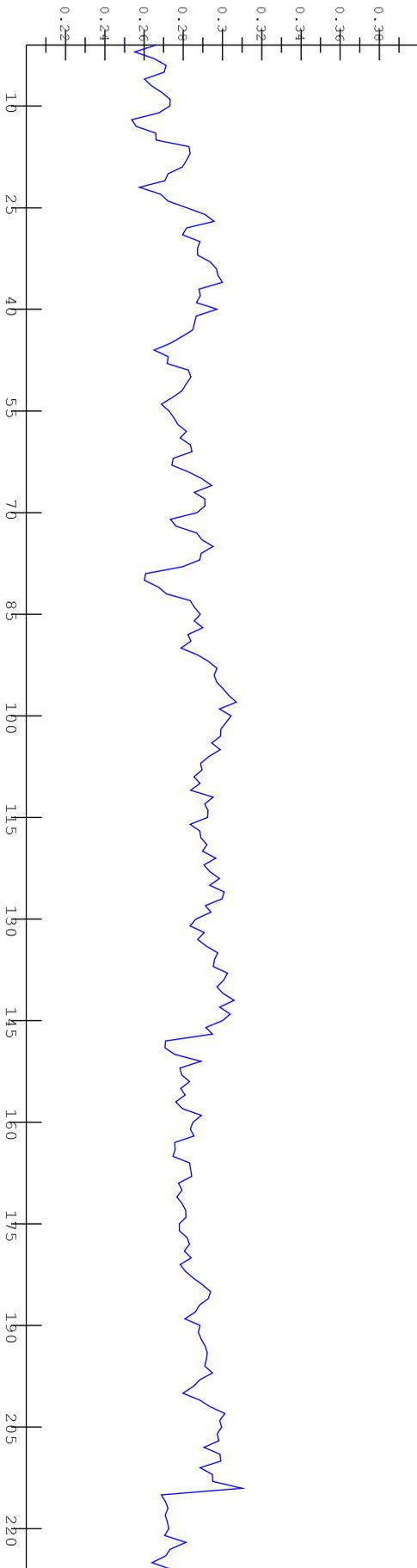
Pole Tip Number ----->



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

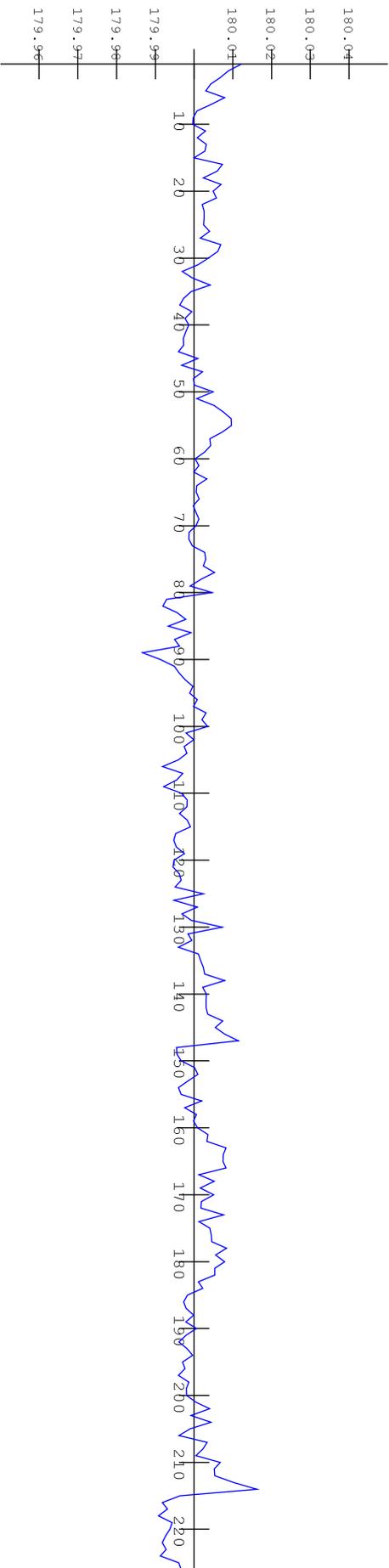
<p>SLAC LCLS-MMF LEITZ CMM</p>	<p>Undulator Pole Tip Offsets Measured unrestrained</p>	<p>DATE: 12-MAR-2008 UNDUULATOR # 34</p>
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Included Angle Between Tips



Pole Tip Number ----->

Angle of Symmetry Axis to ZX Plane



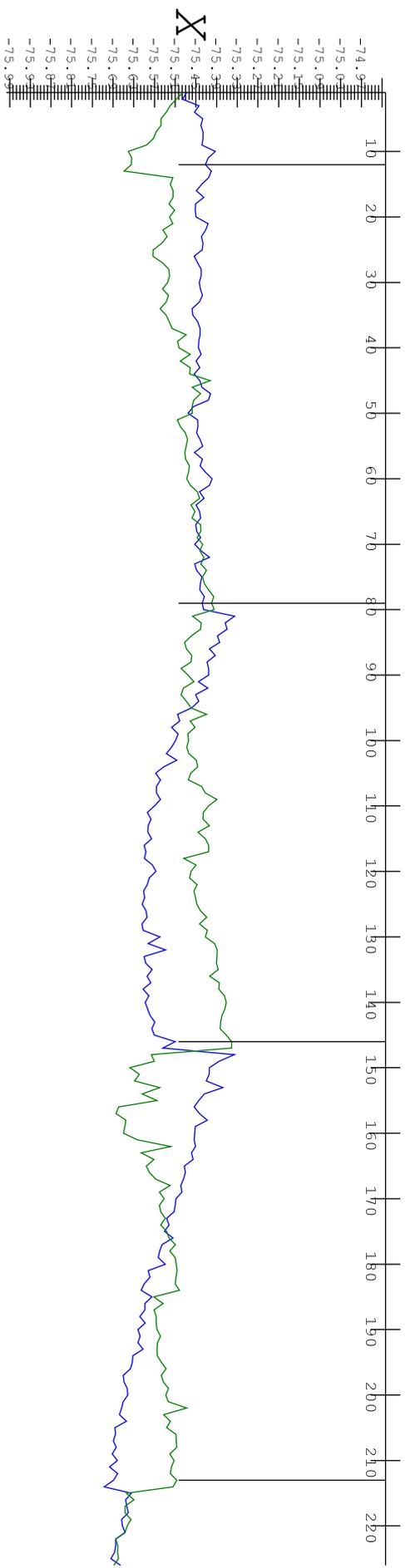
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
Included Angle is the angle between the Upper and Lower Pole Tips

SLAC
LCLS-MMF
LEITZ CMM

Undulator Pole Tip Angles
Measured unrestrained

DATE: 12-MAR-2008
UNDUULATOR # 34

Pole Tip Number ----->

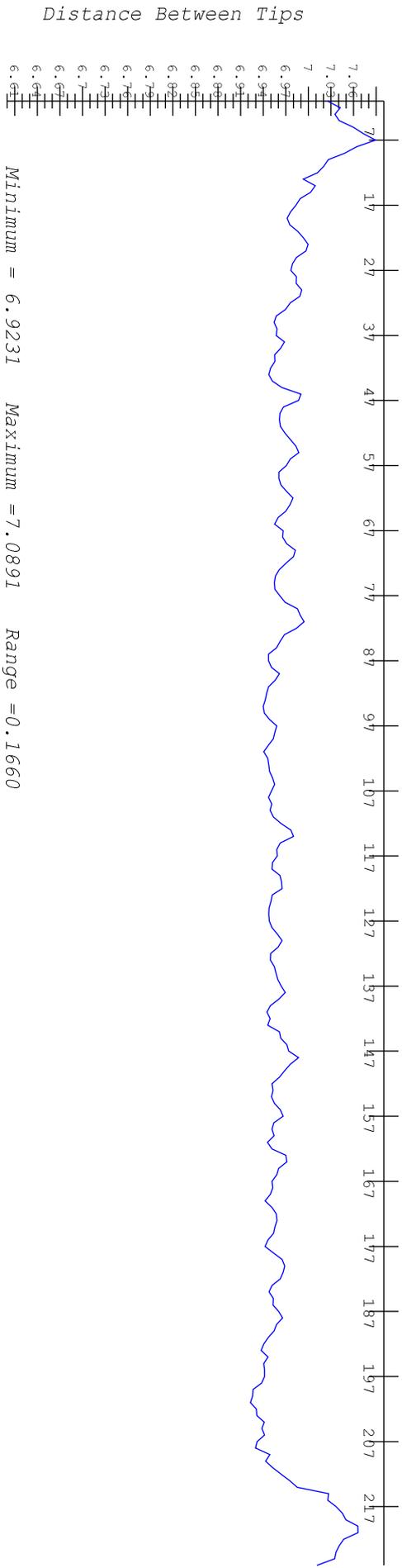


Green = Point on Front face of Upper Pole Tip 10mm above Nominal C/L
 Blue = Point on Front face of Lower Pole Tip 10mm below Nominal C/L

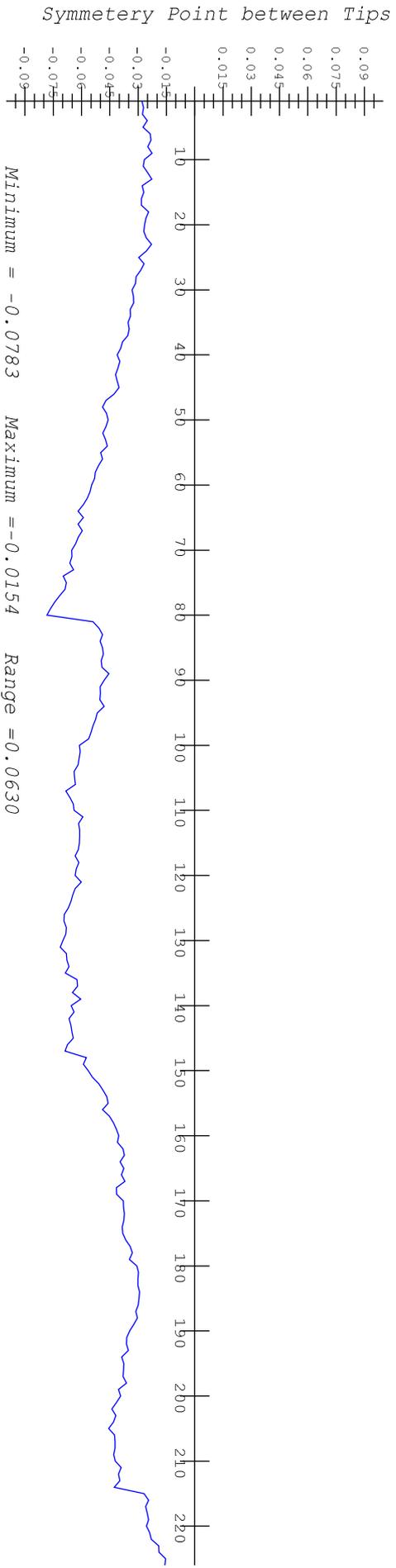
SLAC
 LCLS-MMF
 LEITZ CMM

Undulator Pole Tip Location
 Measured unrestrained

DATE: 12-MAR-2008
 UNDUULATOR # 34



Pole Tip Number ----->

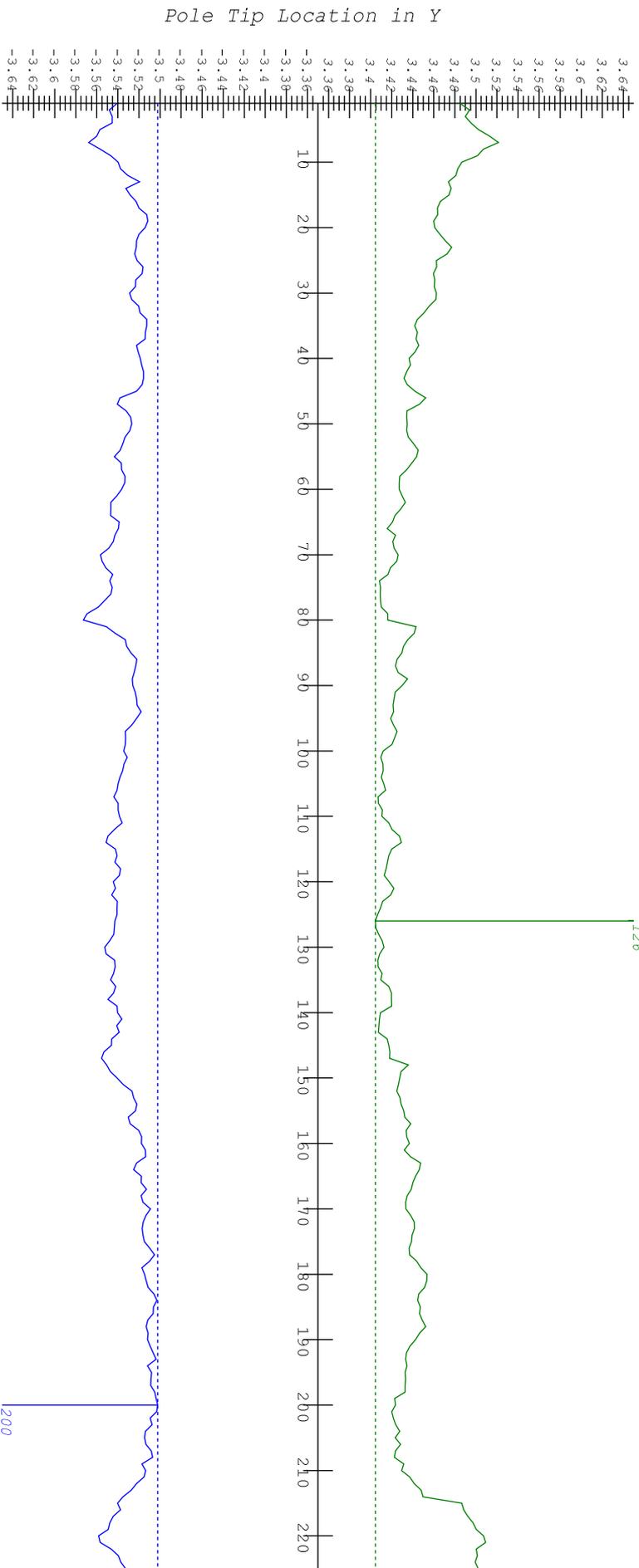


Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-

<p style="margin: 0;"> SLAC LCLS-MMF LEITZ CMM </p>	<p style="margin: 0; font-size: 1.2em;">Undulator Pole Tip Location</p> <p style="margin: 0; font-size: 0.8em;">Measured unrestrained</p>	<p style="margin: 0; font-size: 0.8em;">DATE: 12-MAR-2008</p> <p style="margin: 0; font-size: 0.8em;">UNDUULATOR # 34</p>
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MINIMUM GAP = 6.9067

Minimum = 3.4045 Maximum = 3.5213 Range = 0.1168



Minimum = -3.5729 Maximum = -3.5022 Range = 0.0707

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-MAR-2008
UNDUULATOR # 34