

Actual points : * * *

Neg. Deviation : ———

Pos. Deviation : ———

Notation : **UNDULATOR**

Producer :

Draw. No. :

Ser. No. : 22

Part No. :

Department:

Calcul. .: **Bestfit (Gauss)**

Filtering: **No**

Probe dia.: 5 mm

Element : **PLA_B**

X

Y

Z

No.

Form: **0.1587** Neg. Deviat.: **-0.0337** **115.4297** **96.9972** **-1723.478** **16**

Error Magnif.: **3000** Pos. Deviat.: **0.1250** **115.5927** **96.9966** **-3384.985** **30**

No. of points: **62**

MESSTECHNIK WETZLAR

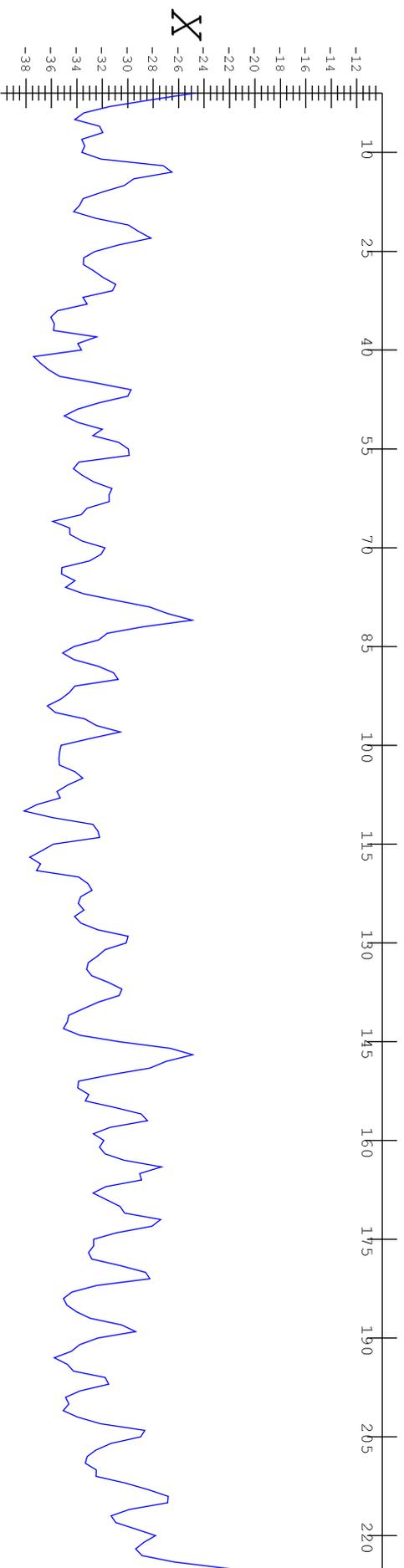


FLATNESS
ISO 1101

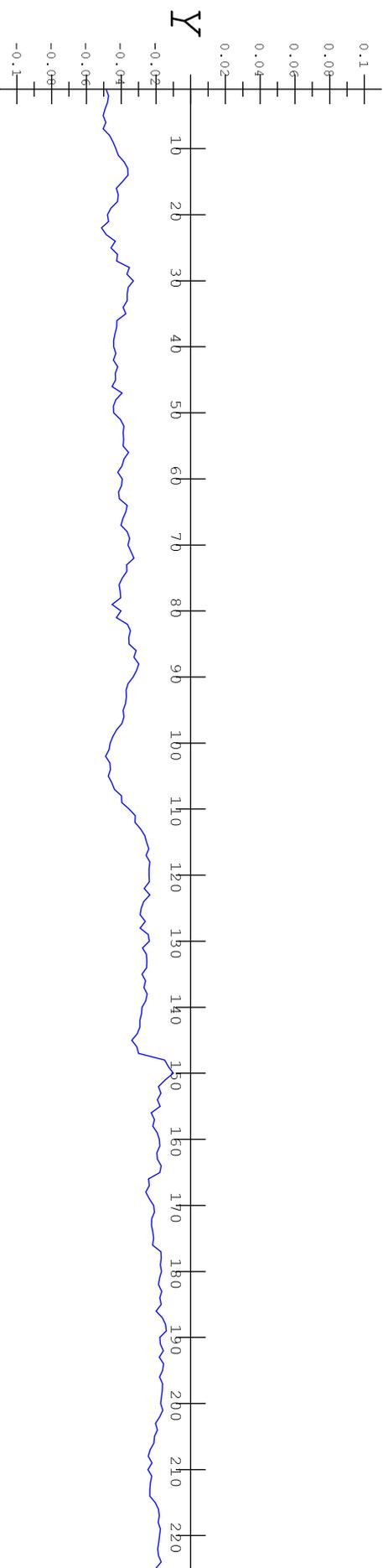
Inspector : **Quindos**

Date: **10-MAR-2009**

Time: **10:06:17**



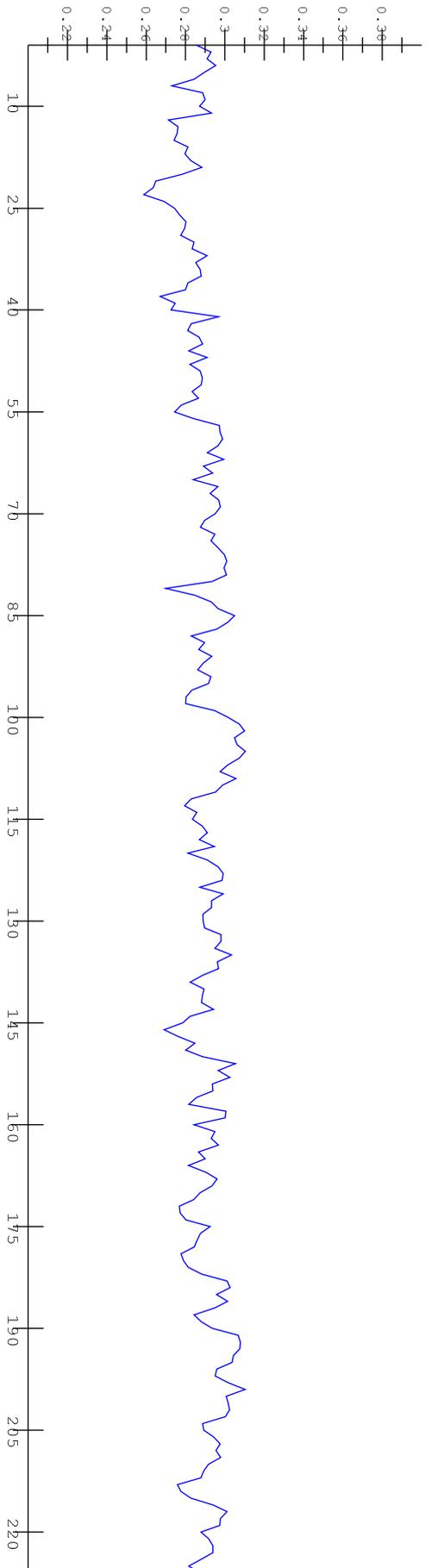
Pole Tip Number ----->



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

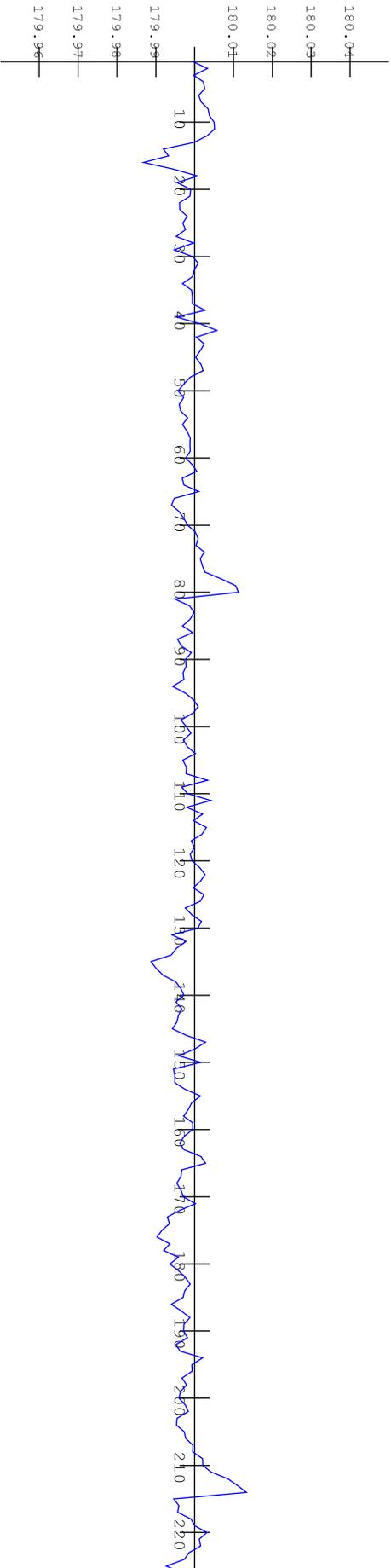
<p>SLAC LCLS-MMF LEITZ CMM</p>	<p>Undulator Pole Tip Offsets Measured unrestrained</p>	<p>DATE: 10-MAR-2009 UNDUULATOR # 22</p>
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Included Angle Between Tips



Pole Tip Number ----->

Angle of Symmetry Axis to ZX Plane



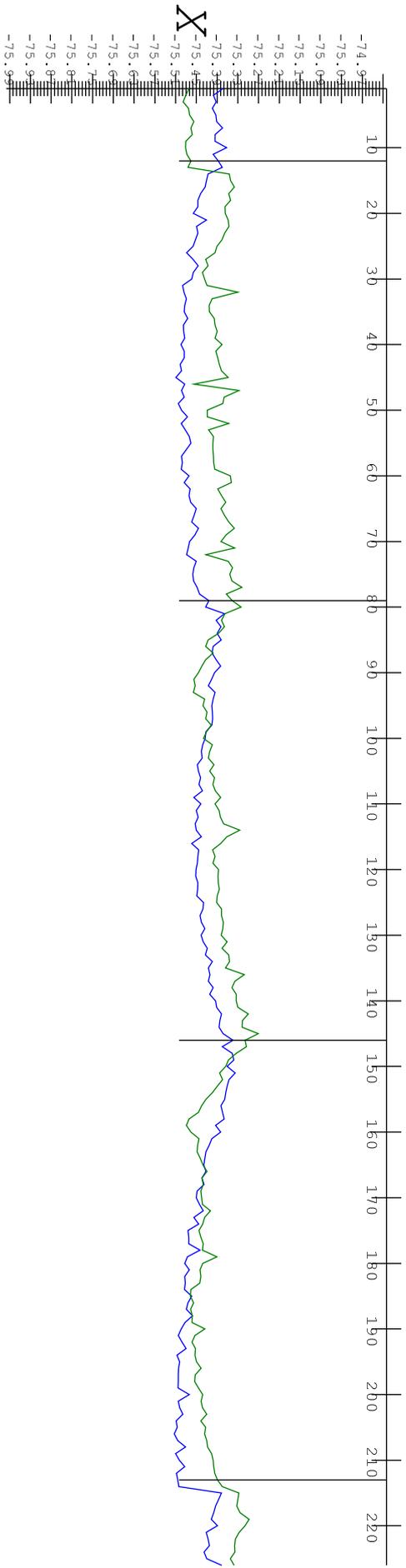
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
Included Angle is the angle between the Upper and Lower Pole Tips

SLAC
LCLS-MMF
LEITZ CMM

Undulator Pole Tip Angles
Measured unrestrained

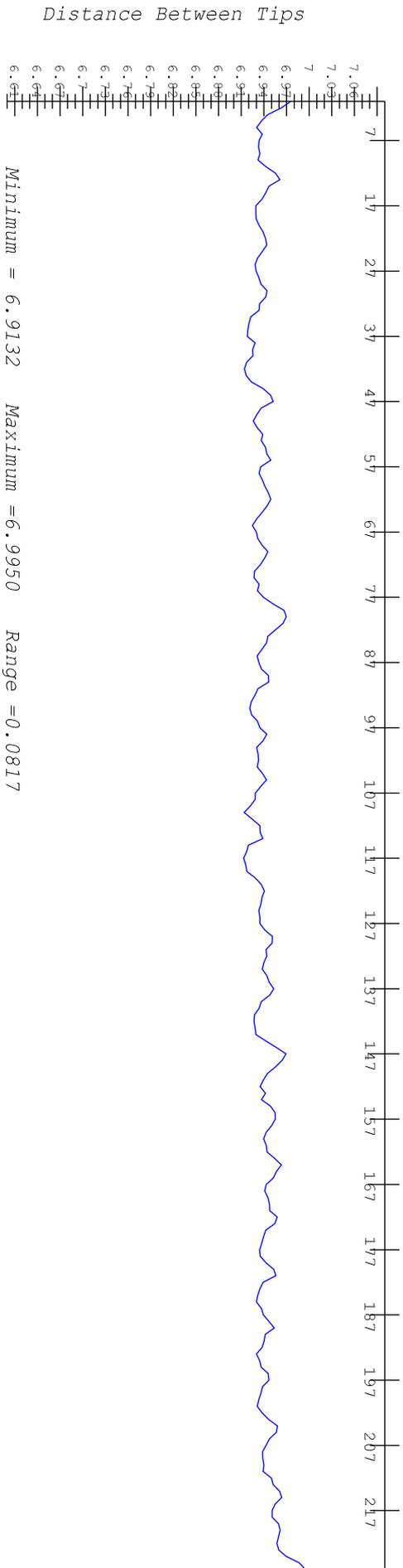
DATE: 10-MAR-2009
UNDUULATOR #22

Pole Tip Number ----->

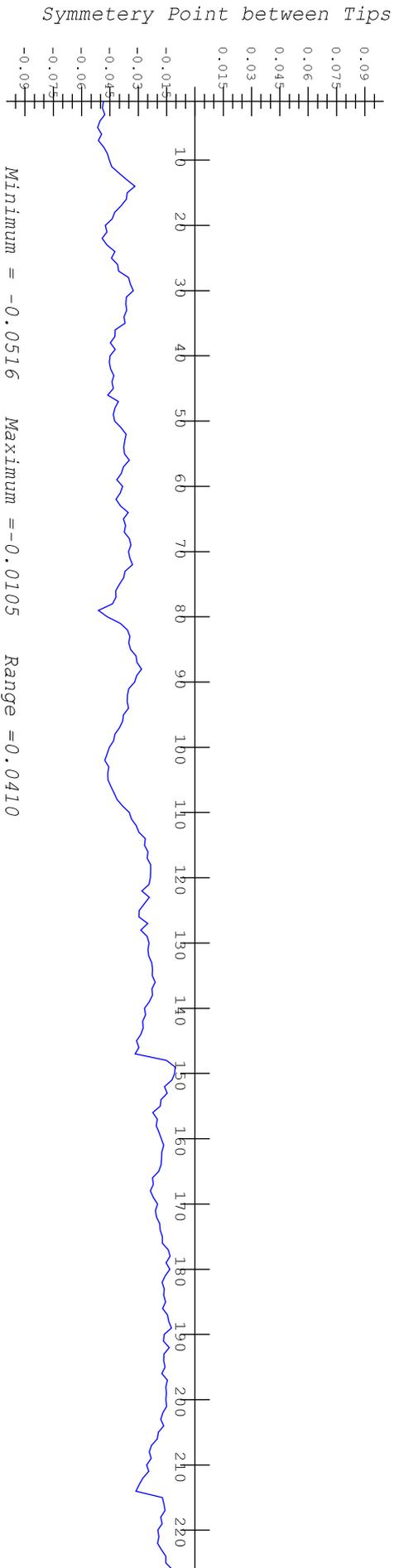


Green = Point on Front face of Upper Pole Tip 10mm above Nominal C/L
 Blue = Point on Front face of Lower Pole Tip 10mm below Nominal C/L

<p>SLAC LCLS-MMF LEITZ CMM</p>	<p>Undulator Pole Tip Location Measured unrestrained</p>	<p>DATE: 10-MAR-2009 UNDUULATOR # 22</p>
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Pole Tip Number ----->

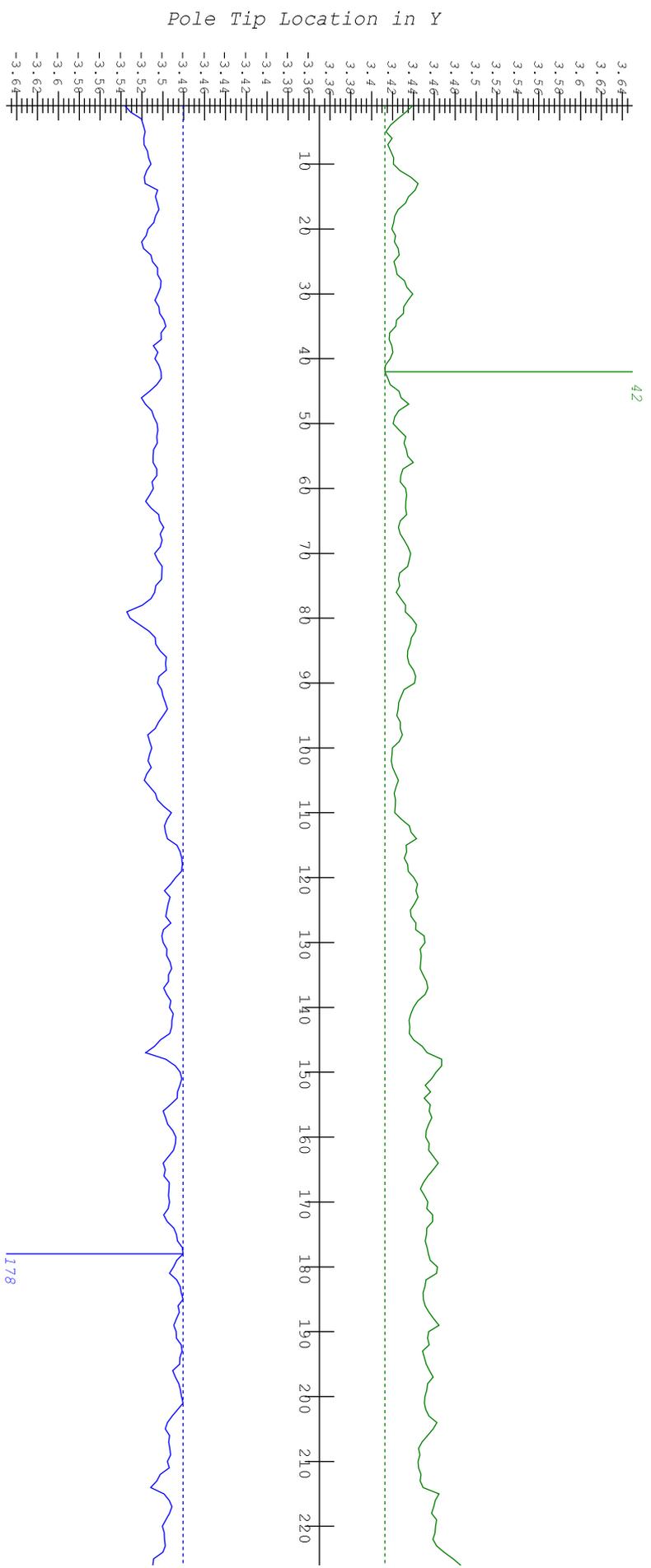


Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-

<p style="font-size: small; margin: 0;">LCLS-MMF LEITZ CMM</p>	<p style="font-size: x-large; margin: 0;">Undulator Pole Tip Location</p> <p style="font-size: large; margin: 0;">Measured unrestrained</p>	<p style="font-size: x-large; margin: 0;">DATE: 10-MAR-2009</p> <p style="font-size: large; margin: 0;">UNDUULATOR #22</p>
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MINIMUM GAP = 6.8931

Minimum = 3.4126 Maximum = 3.4854 Range = 0.0728



Minimum = -3.5362 Maximum = -3.4806 Range = 0.0556

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: 10-MAR-2009
UNDUULATOR # 22