

Actual points : * * *

Neg. Deviation : ————

Pos. Deviation : ————

49.7
μm

Notation : **UNDULATOR**

Producer :

Draw. No. :

Ser. No. : 19

Part No. :

Department:

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

Filtering: **No**

Probe dia.: 5 mm

Element : **PLA_B**

X

Y

Z

No.

Form: 0.3063 Neg. Deviat.: -0.2023 115.4595 96.9935 -3384.967 30

Error Magnif.: 3000 Pos. Deviat.: 0.1040 115.7441 -92.5015 -1800.511 44

No. of points: 62

MESSTECHNIK WETZLAR

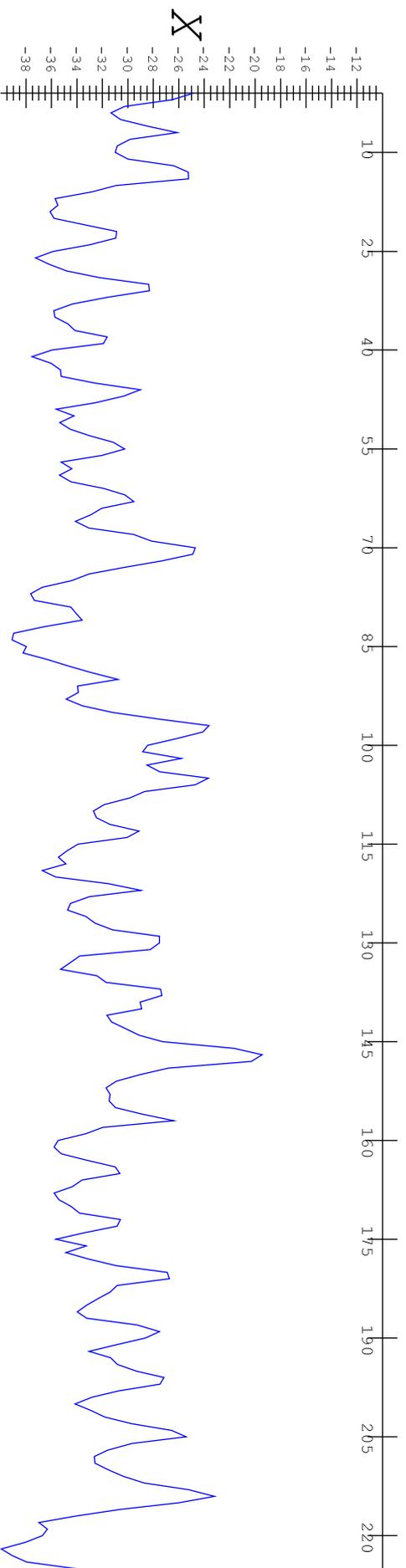


FLATNESS
ISO 1101

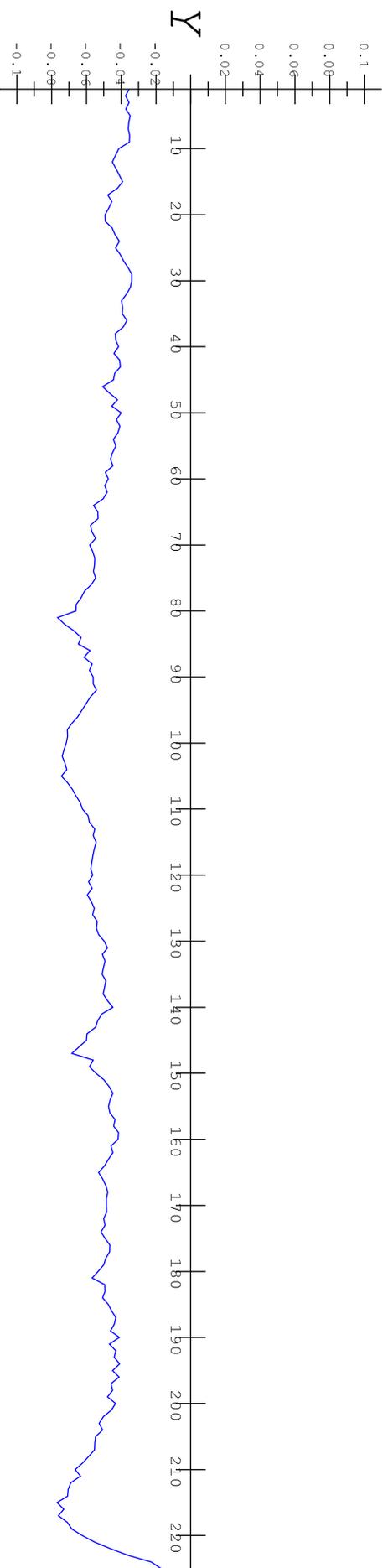
Inspector :Quindos

Date:30-APR-2009

Time:11:48:22

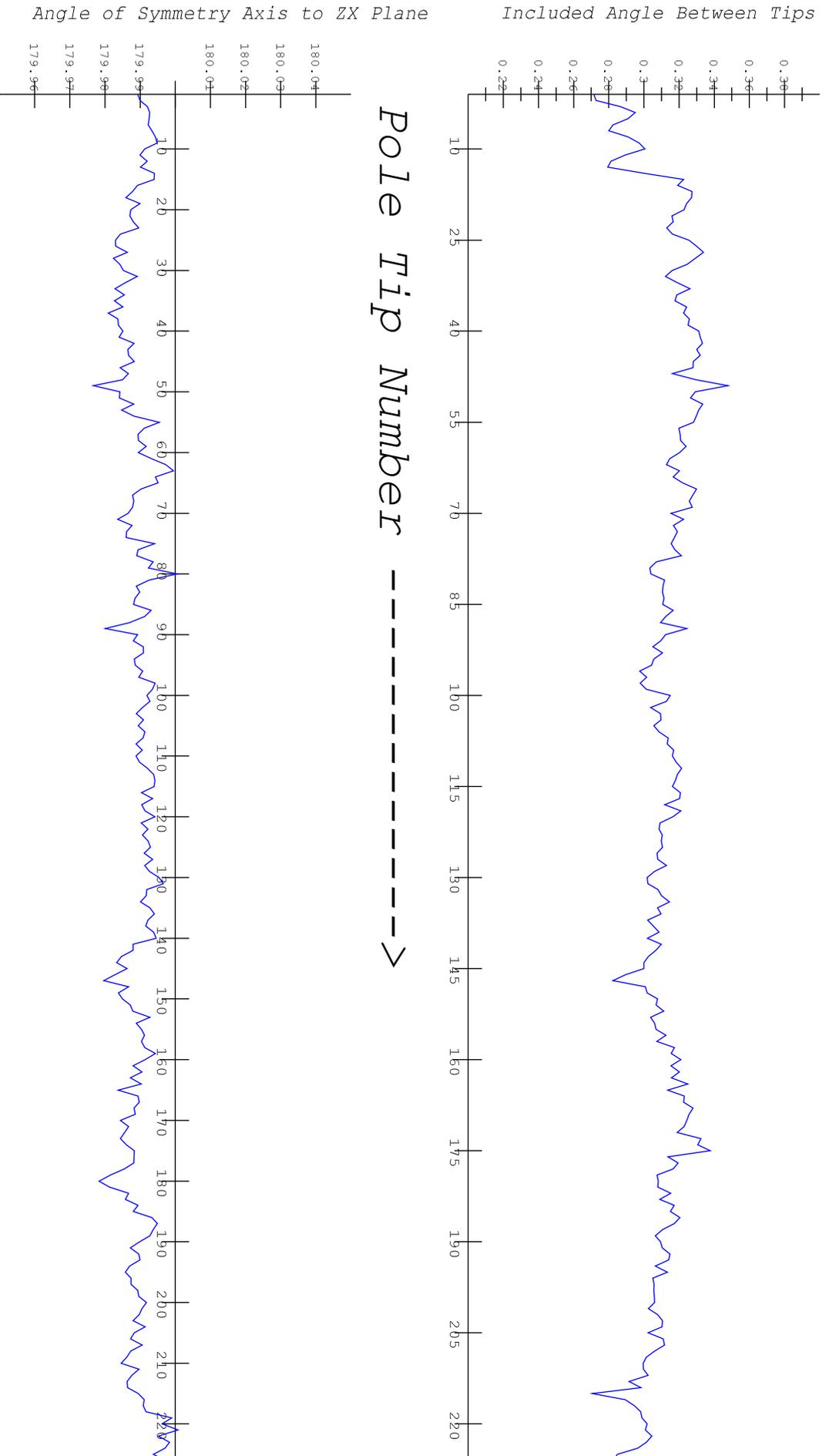


Pole Tip Number ----->



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: 30-APR-2009 UNDUULATOR # 19</p>
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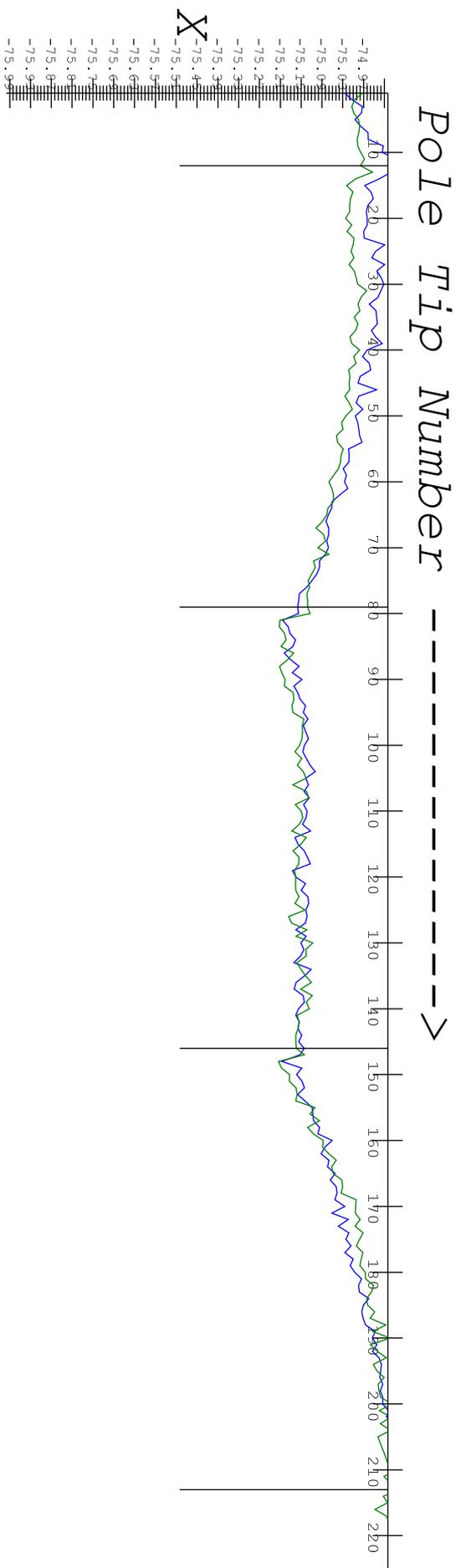


*Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
 Included Angle is the angle between the Upper and Lower Pole Tips*

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*Undulator Pole Tip Angles
 Measured unrestrained*

DATE: 30-APR-2009
 UNDUULATOR # 19

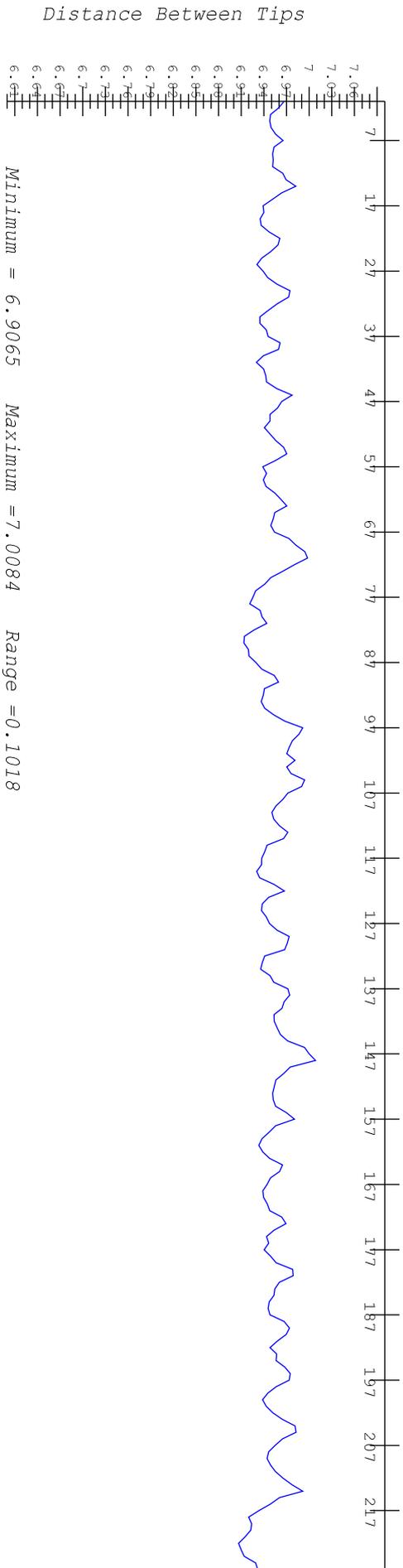


Green = Point on Front face of Upper Pole Tip 10mm above Nominal C/L
 Blue = Point on Front face of Lower Pole Tip 10mm below Nominal C/L

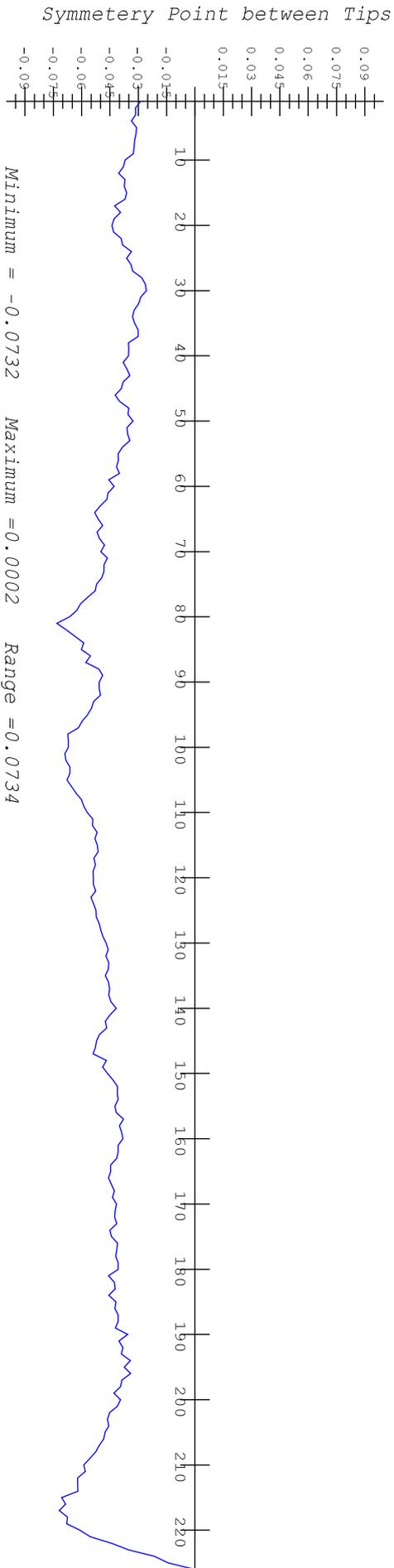
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Undulator Pole Tip Location
 Measured unrestrained

DATE: 30-APR-2009
 UNDUULATOR # 19



Pole Tip Number ----->

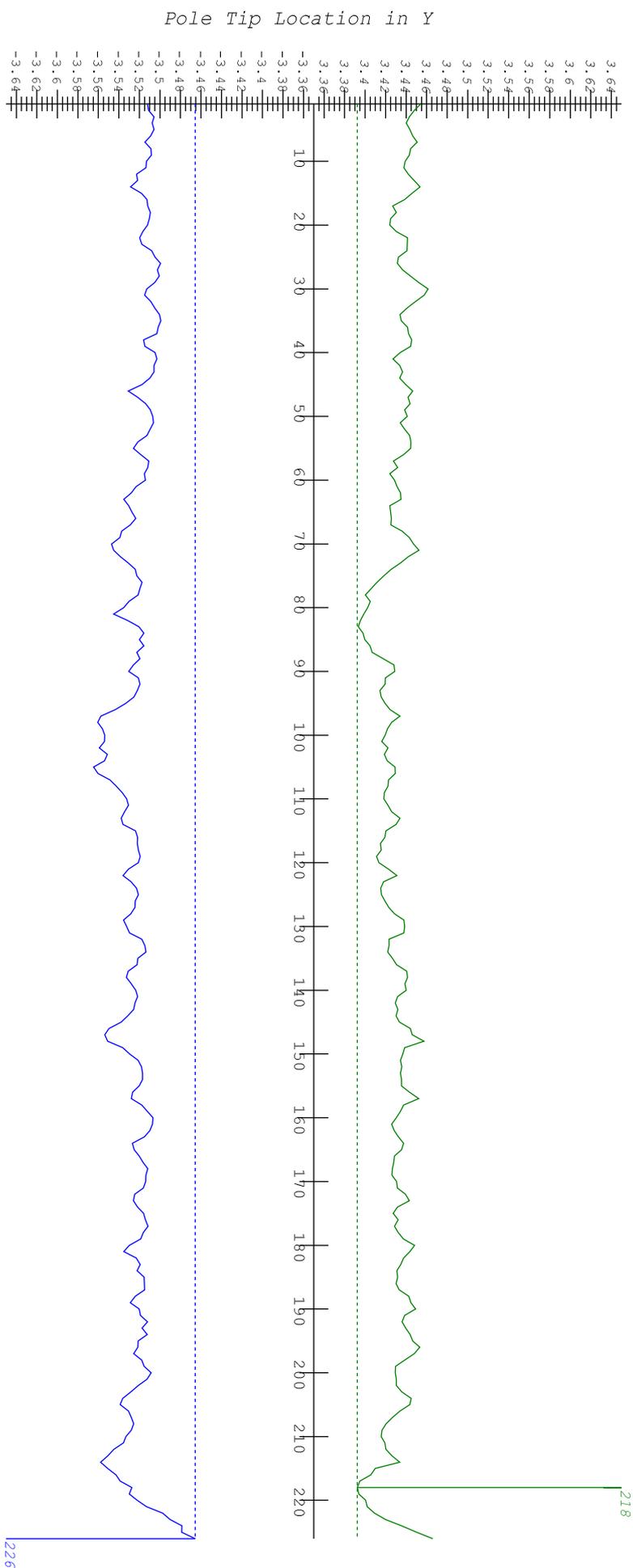


Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a plane 53mm from Datum -B-

<p>SLAC LCLS-MMF LEITZ CMM</p>	<p>Undulator Pole Tip Location Measured unrestrained</p>	<p>DATE: 30-APR-2009 UNDUULATOR # 19</p>
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MINIMUM GAP = 6.8580

Minimum = 3.3924 Maximum = 3.4661 Range = 0.0737



Minimum = -3.5647 Maximum = -3.4657 Range = 0.0990

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-

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Undulator Pole Tip Location
Measured unrestrained

DATE: 30-APR-2009
UNDUATOR # 19