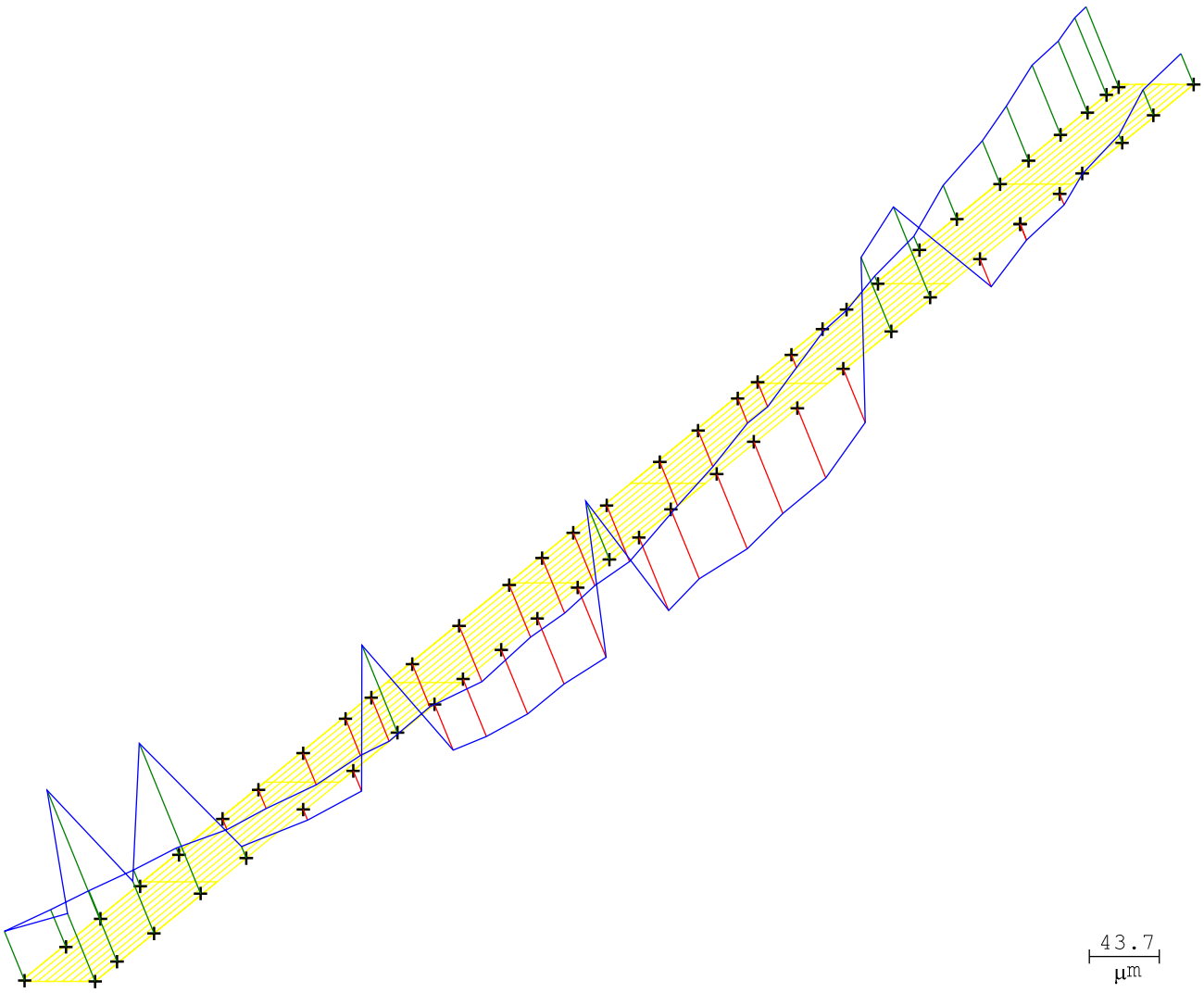


Actual points : * * * Neg. Deviation : Pos. Deviation :

Notation : UNDULATOR Producer : Draw. No. :

Ser. No. : 06 Part No. : Department:

Calcul. .: Bestfit (Gauss) Filtering: No Probe dia.: 5 mm

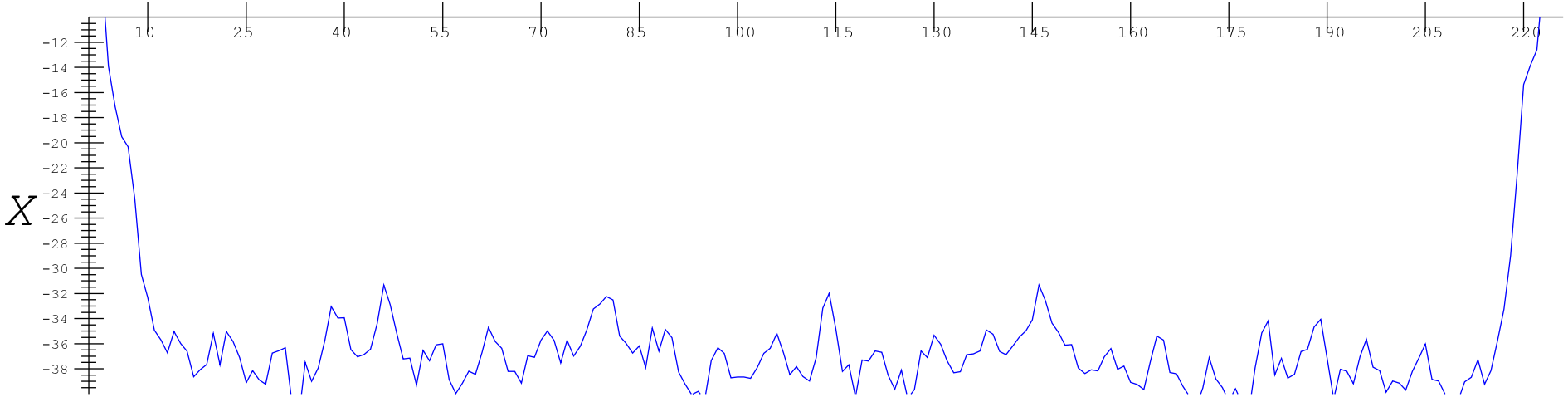
Element : PLA_B		X	Y	Z	No.
Form .....: 0.1773	Neg. Deviat.: -0.0538	115.4166	96.9938	-1486.036	14
Error Magnif.: 3000	Pos. Deviat.: 0.1235	115.5963	90.5001	-3310.679	29

No. of points: 62

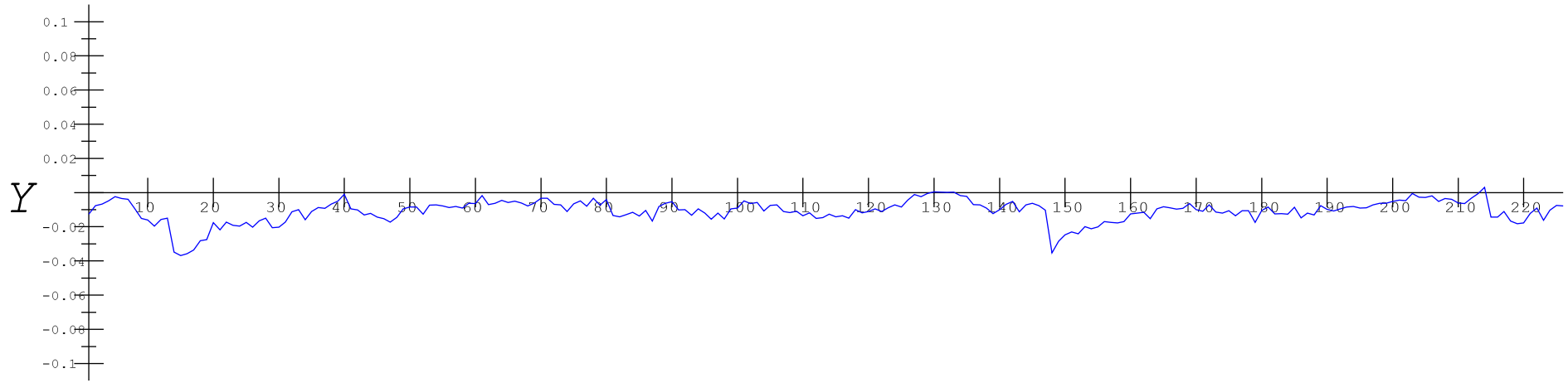
MESSTECHNIK WETZLAR

FLATNESS
ISO 1101

Inspector :Quindos
Date .....:24-SEP-2009
Time .....:14:27:51

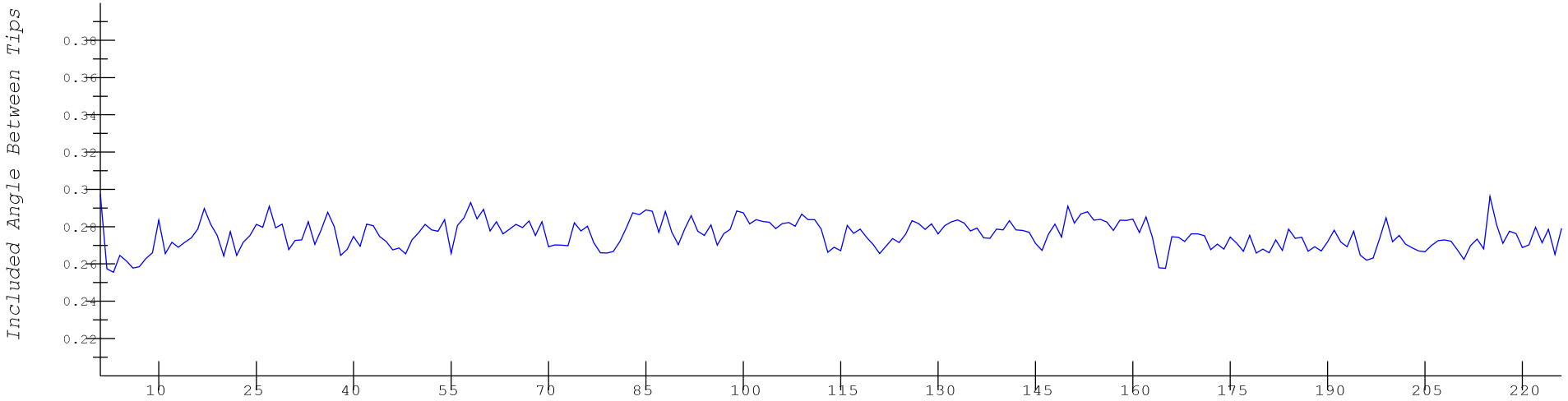


Pole Tip Number ---------->

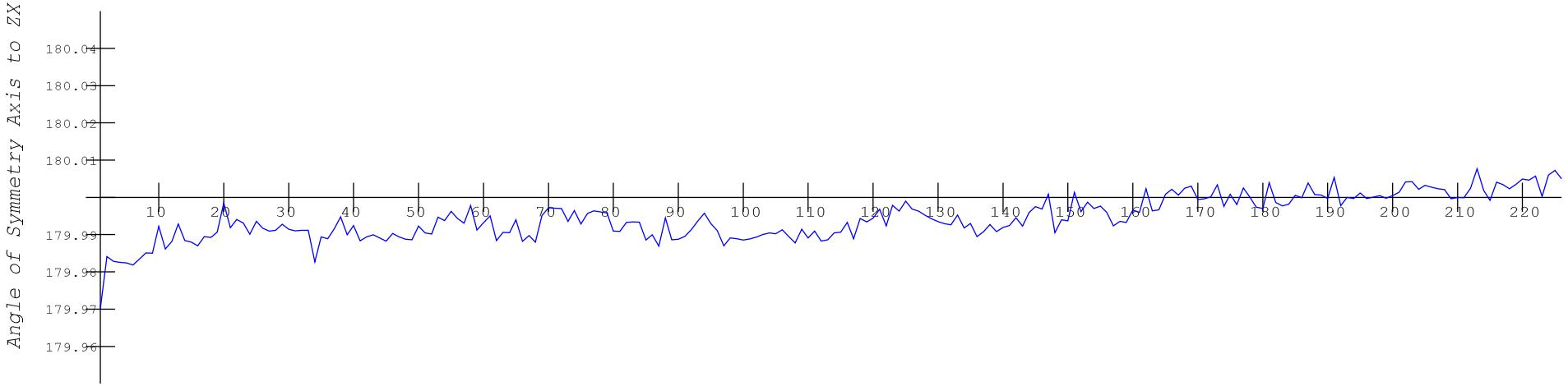


Offsets of Pole Tip Symmetry Point from Nominal Undulator center line
Pole Tip Symmetry Point is the point were the symmetry axis between tips is bisected by the 6.8mm cross section

SLAC LCLS-MMF LEITZ CMM	*Undulator Pole Tip Offsets* *Measured unrestrained*	*DATE:24-SEP-2009* *UNDULATOR #06*

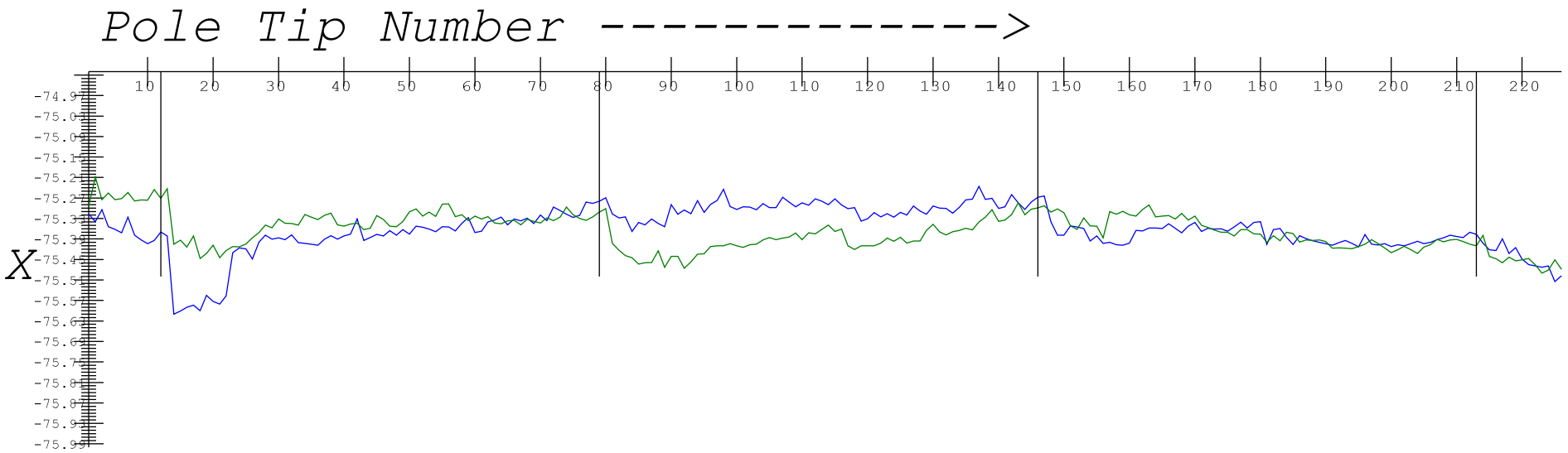


Pole Tip Number ---------->



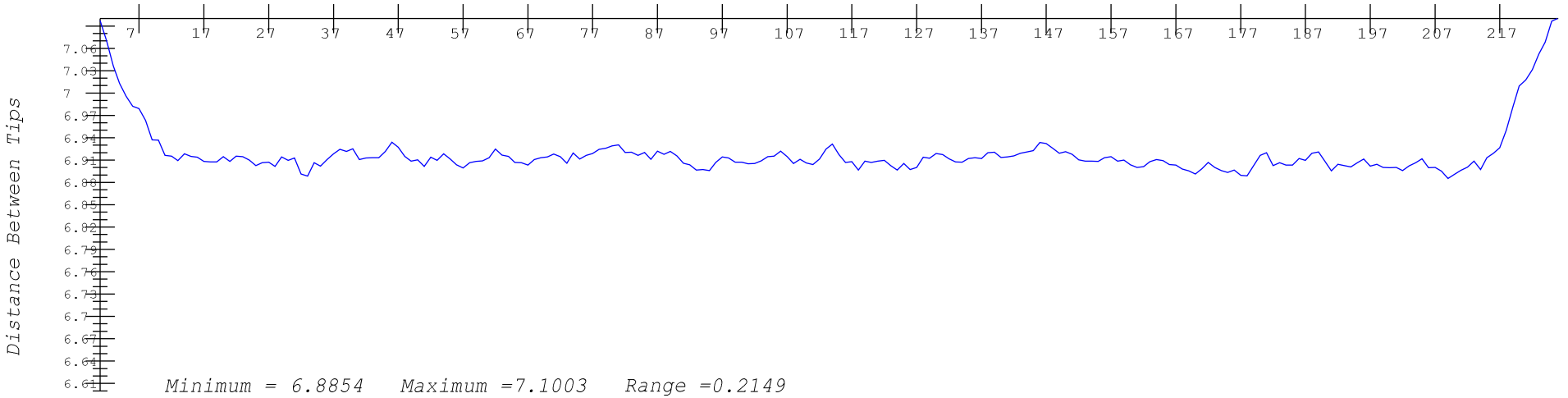
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
Included Angle is the angle between the Upper and Lower Pole Tips

SLAC LCLS-MMF LEITZ CMM	*Undulator Pole Tip Angles* *Measured unrestrained*	*DATE:24-SEP-2009* *UNDULATOR #06*



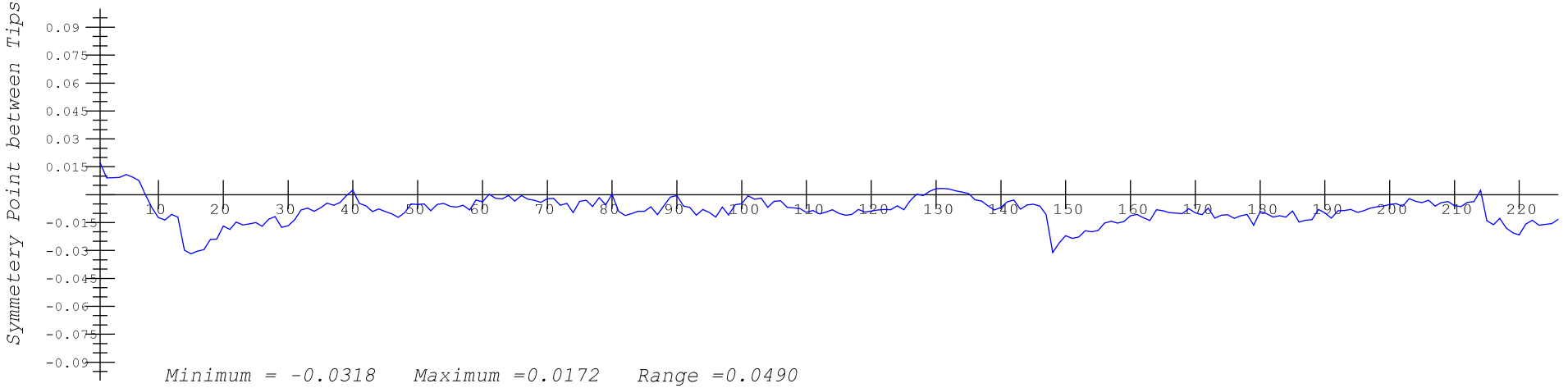
Green = Point on front face of Upper Pole Tip 10mm above Nominal C/L
Blue = Point on front face of Lower Pole Tip 10mm below Nominal C/L

SLAC LCLS-MMF LEITZ CMM	*Undulator Pole Tip Location* *Measured unrestrained*	*DATE:24-SEP-2009* *UNDULATOR #06*



Minimum = 6.8854 Maximum =7.1003 Range =0.2149

Pole Tip Number ---------->



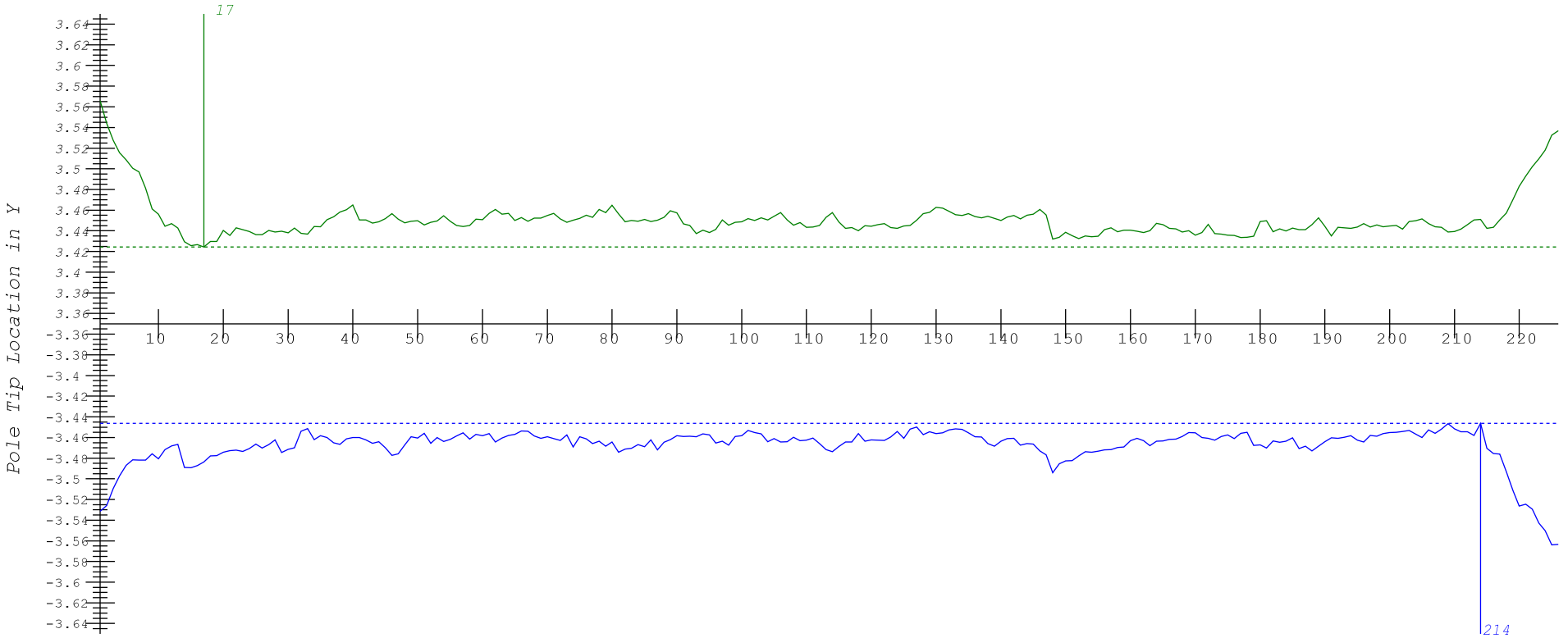
Minimum = -0.0318 Maximum =0.0172 Range =0.0490

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:24-SEP-2009* *UNDULATOR #06*

MINIMUM GAP = 6.8707

Minimum = 3.4245 Maximum =3.5659 Range =0.1414



Minimum = -3.5639 Maximum =-3.4462 Range =0.1176

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:24-SEP-2009 UNDULATOR #06