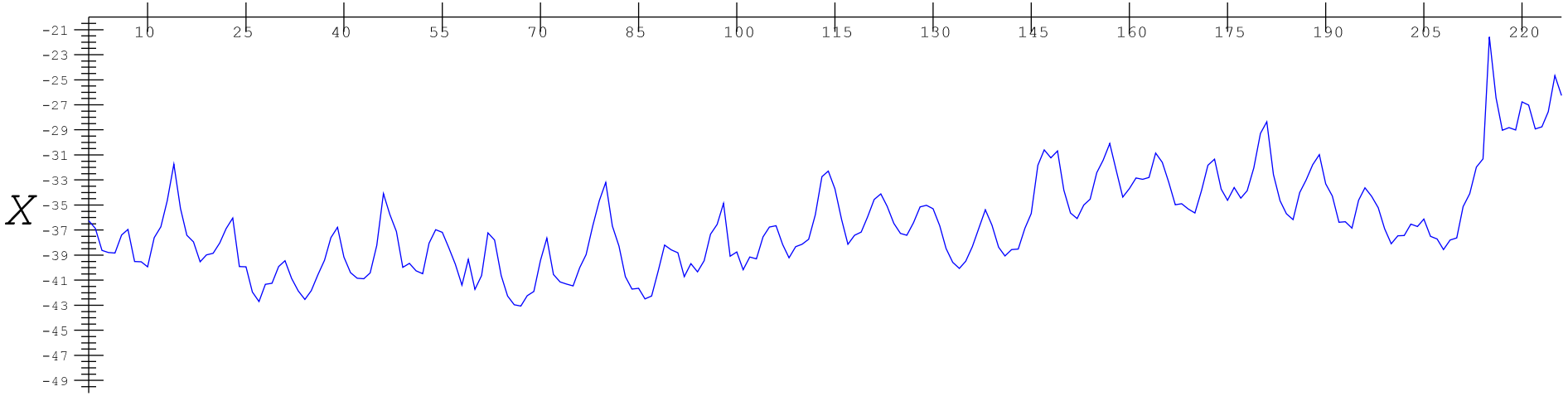
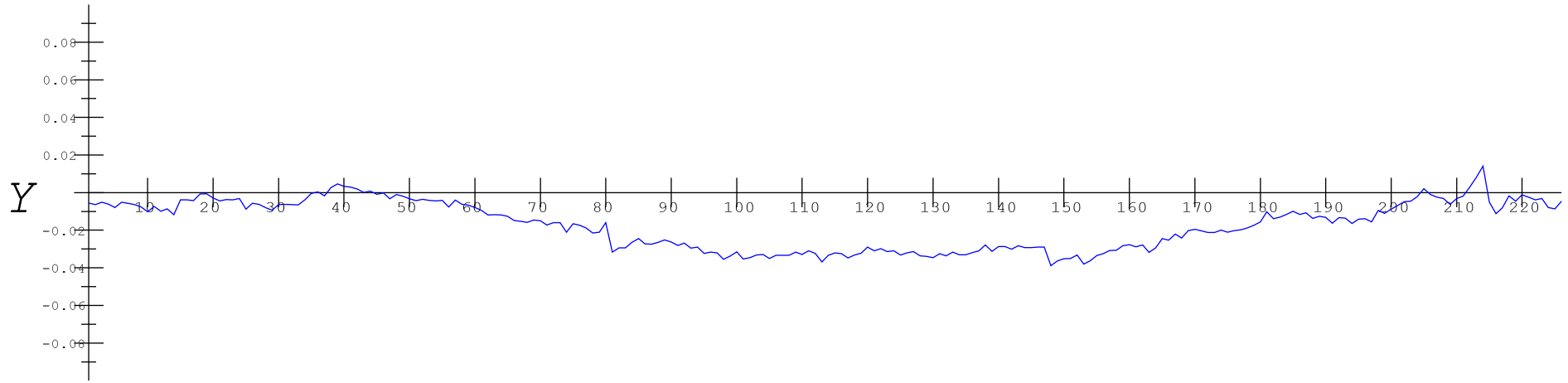
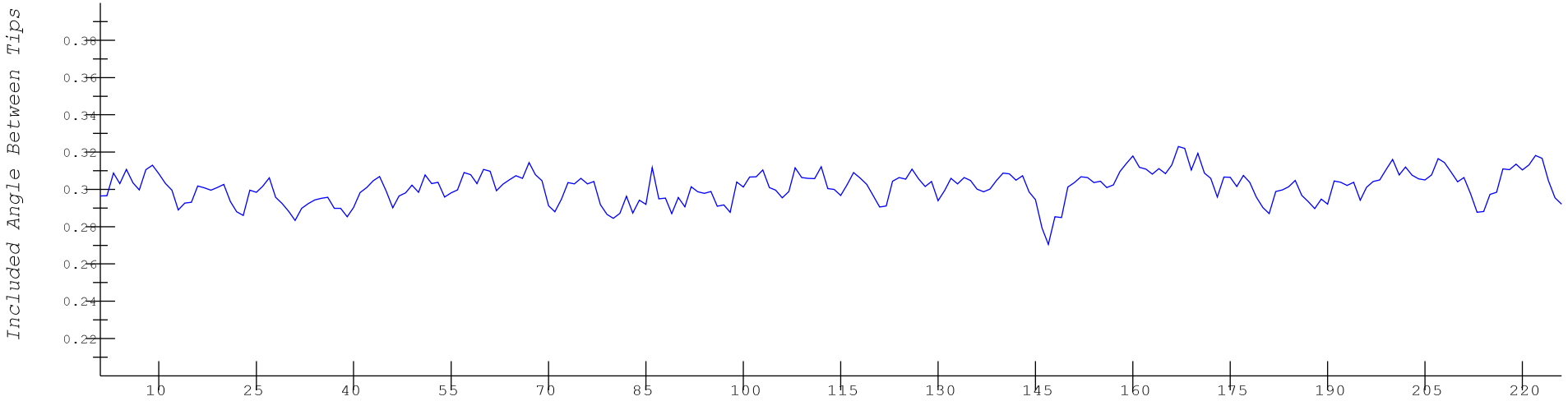


Pole Tip Number ---------->

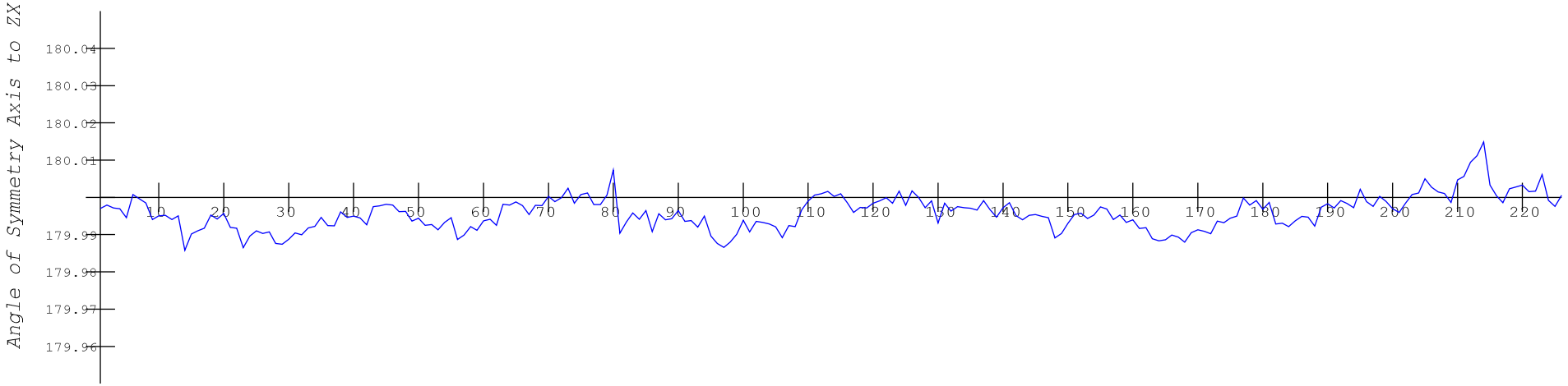


Offsets of Pole Tip Symmetry Point from Nominal Undulator center line
Pole Tip Symmetry Point is the point were the symmetry axis between tips is bisected by the 6.8mm cross section

SLAC LCLS-MMF LEITZ CMM	*Undulator Pole Tip Offsets* *Measured unrestrained*	*DATE:24-JUL-2007* *UNDULATOR #20*

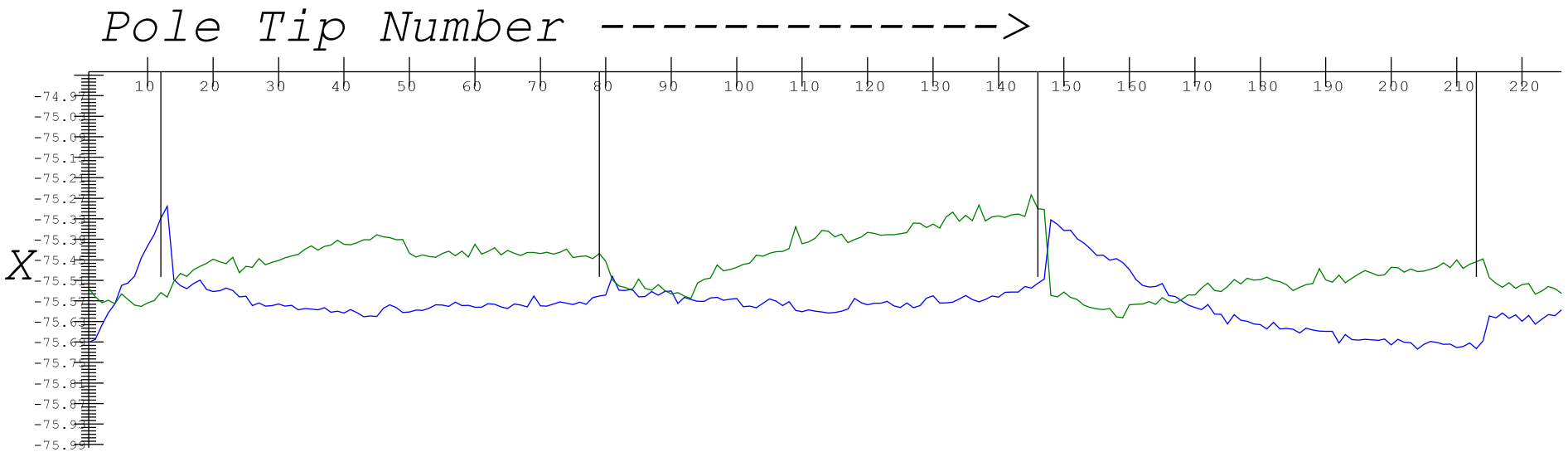


Pole Tip Number ---------->



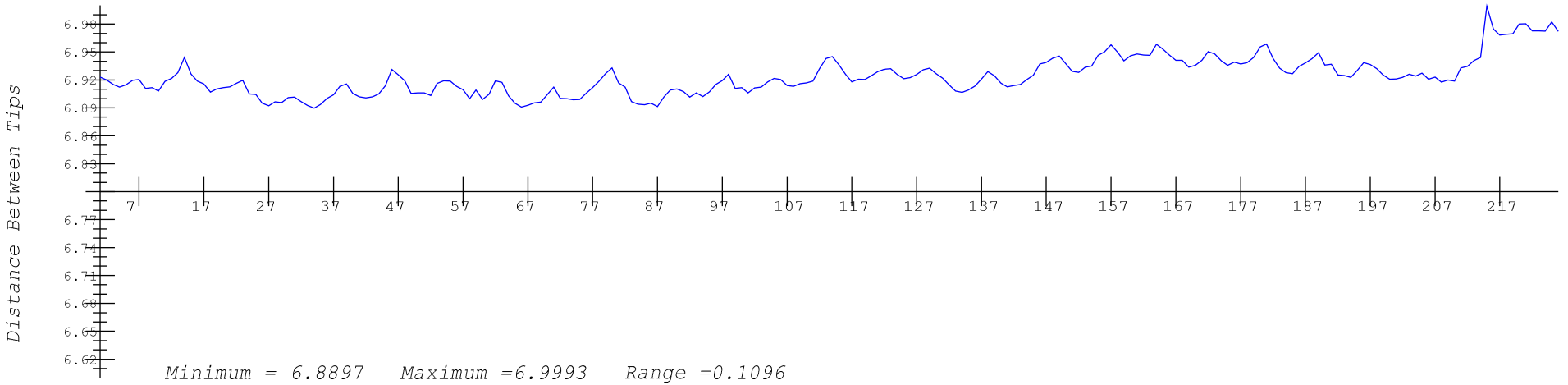
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
Included Angle is the angle between the Upper and Lower Pole Tips

SLAC LCLS-MMF LEITZ CMM	*Undulator Pole Tip Angles* *Measured unrestrained*	*DATE:24-JUL-2007* *UNDULATOR #20*



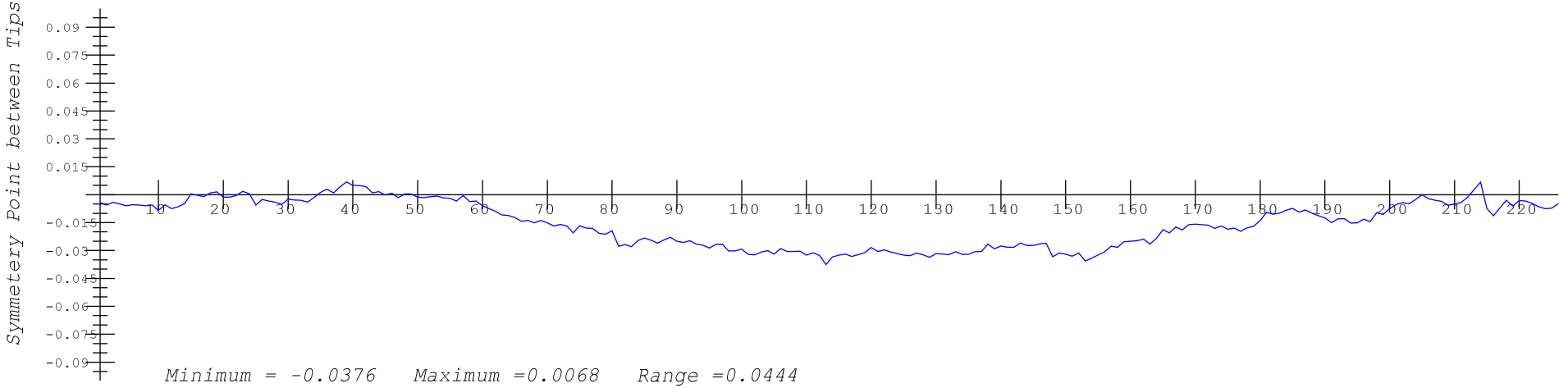
Green = Point on front face of Upper Pole Tip 10mm above Nominal C/L
Blue = Point on front face of Lower Pole Tip 10mm below Nominal C/L

SLAC LCLS-MMF LEITZ CMM	*Undulator Pole Tip Location* *Measured unrestrained*	*DATE:24-JUL-2007* *UNDULATOR #20*



Minimum = 6.8897 Maximum =6.9993 Range =0.1096

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



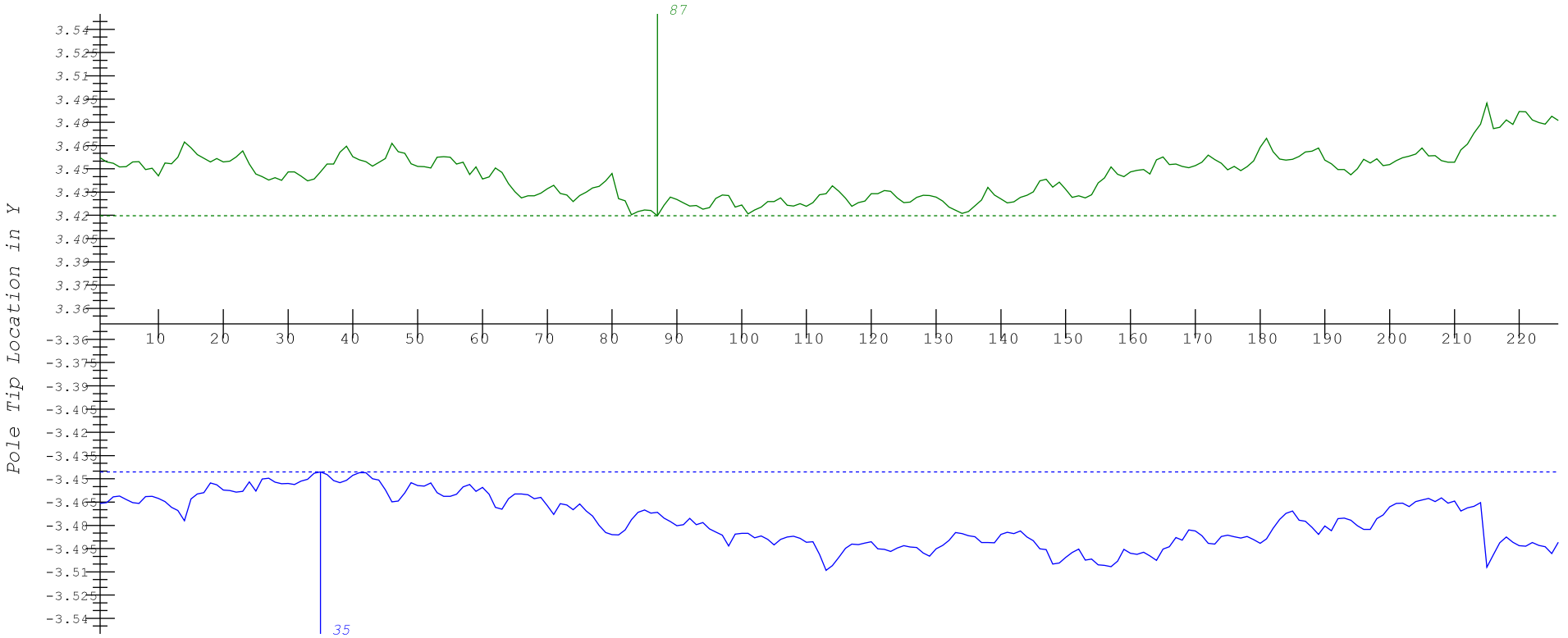
Minimum = -0.0376 Maximum =0.0068 Range =0.0444

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-JUL-2007* *UNDULATOR #20*

MINIMUM GAP = 6.8652

Minimum = 3.4197 Maximum =3.4923 Range =0.0726

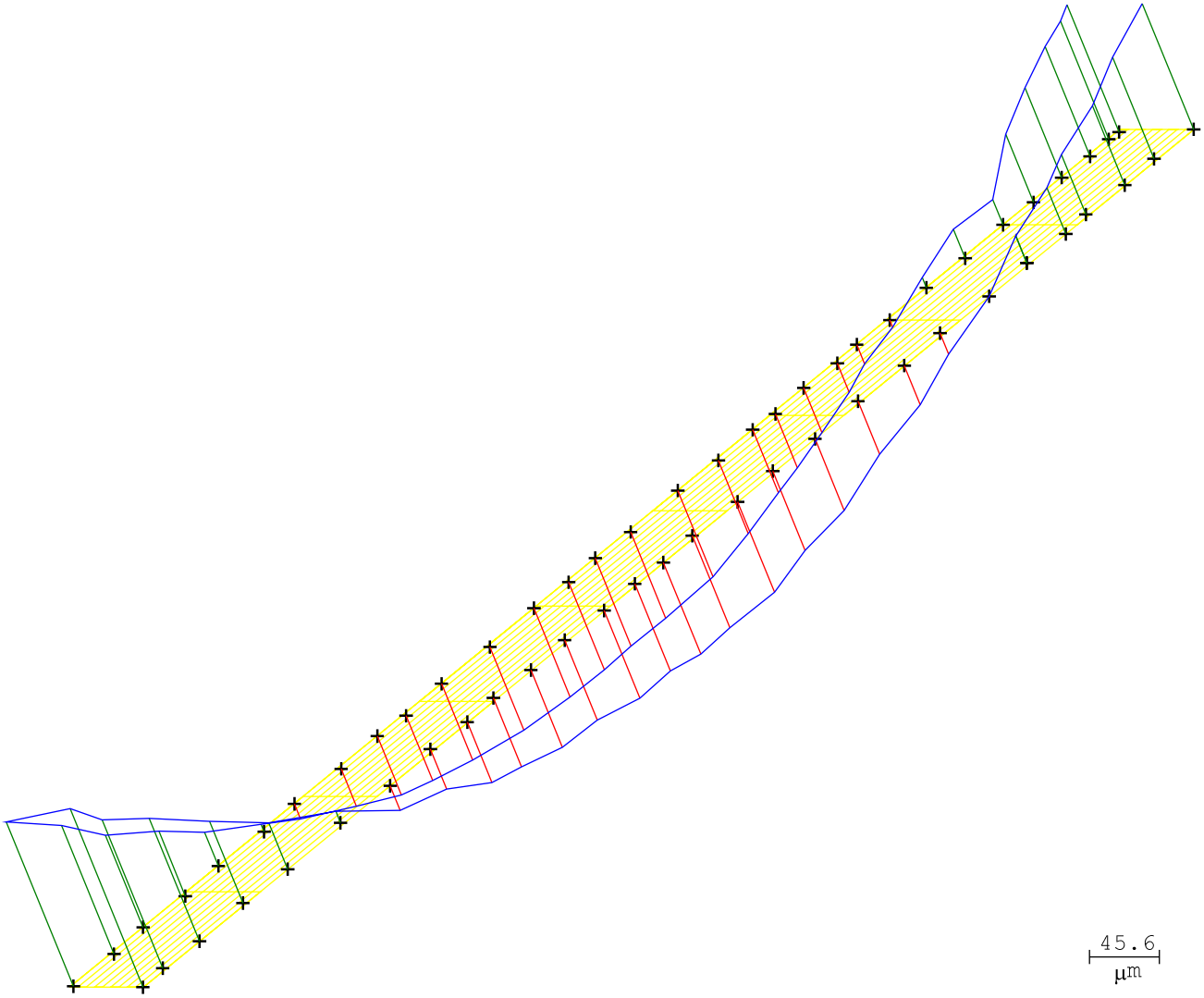


Minimum = -3.5091 Maximum =-3.4456 Range =0.0635

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-JUL-2007 UNDULATOR #20



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

Notation : Producer : Draw. No. :

Ser. No. : Part No. : Department:

Element : PLA_B

			X	Y	Z	No.
Form .....:	0.2037	Neg. Deviat.: -0.0694	115.3304	90.1677	-1618.446	15
Error Magnif.:	3000	Pos. Deviat.: 0.1344	115.5308	99.9074	-3384.970	30
No. of points:	62					

Leitz QUINDOS

FLATNESS
ISO 1101

Inspector :Quindos
Date .....:07-NOV-2006
Time .....:10:05:12