

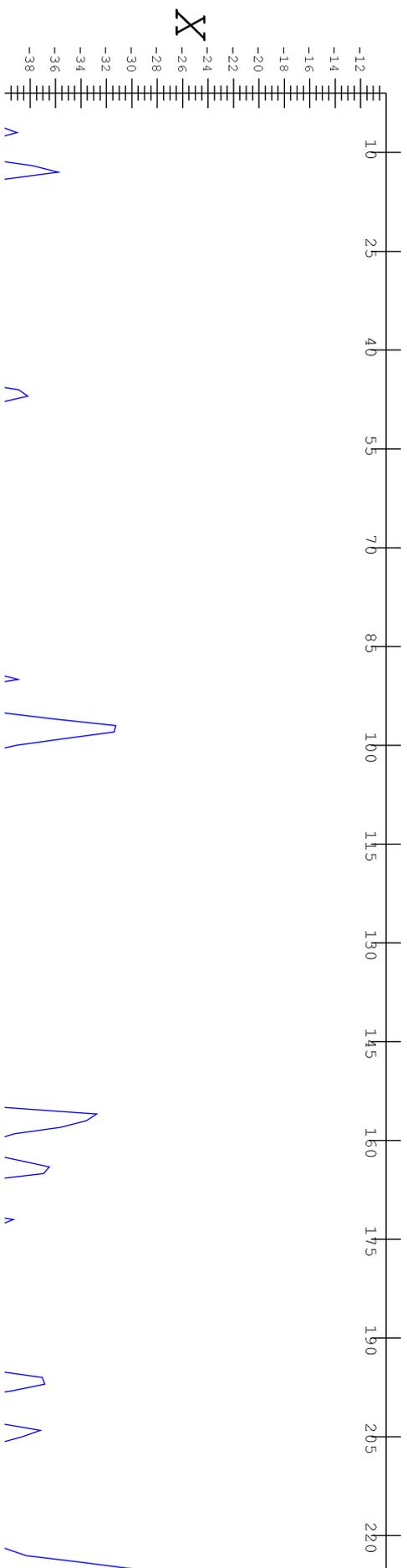
Actual points : * * * Neg. Deviation : ——— (red) Pos. Deviation : ——— (green)

Notation : **UNDULATOR** Producer : Draw. No. :
 Ser. No. : 5 Part No. : Department:
 Calcul. .: **Bestfit (Gauss)** Filtering: **No** Probe dia.: 5 mm
 Element : **PLA_B** X Y Z No.
 Form: **0.1822** Neg. Deviat.: **-0.0981** **115.4681** **-92.5019** **-3381.628** **31**
 Error Magnif.: **3000** Pos. Deviat.: **0.0841** **115.6695** **90.4954** **-1806.289** **17**
 No. of points: **62**

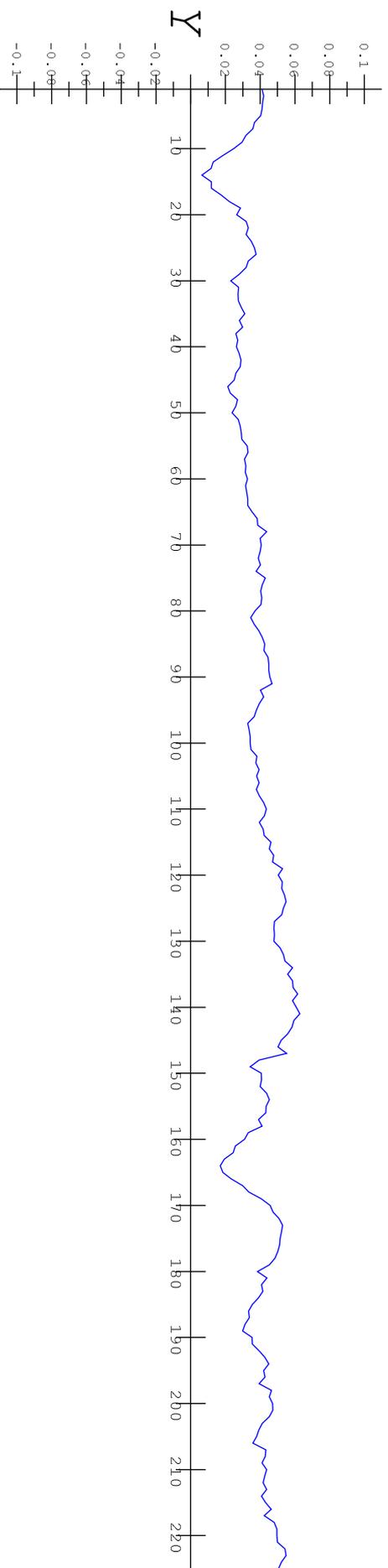


FLATNESS
ISO 1101

Inspector : **Quindos**
 Date: **01-JUN-2009**
 Time: **10:00:10**

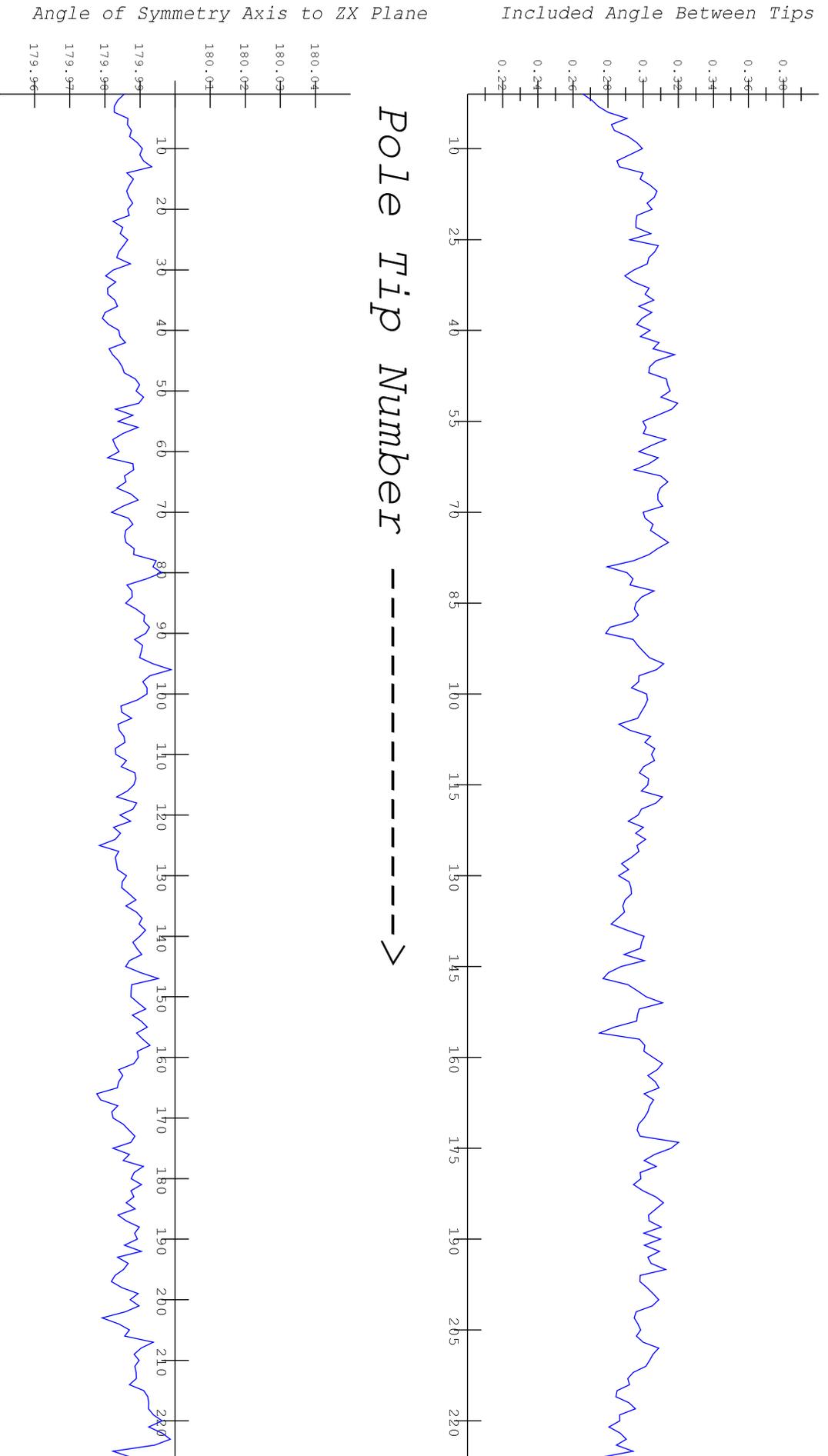


Pole Tip Number ----->



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: 01-JUN-2009 UNDUULATOR #5</p> |
|---|--|---|

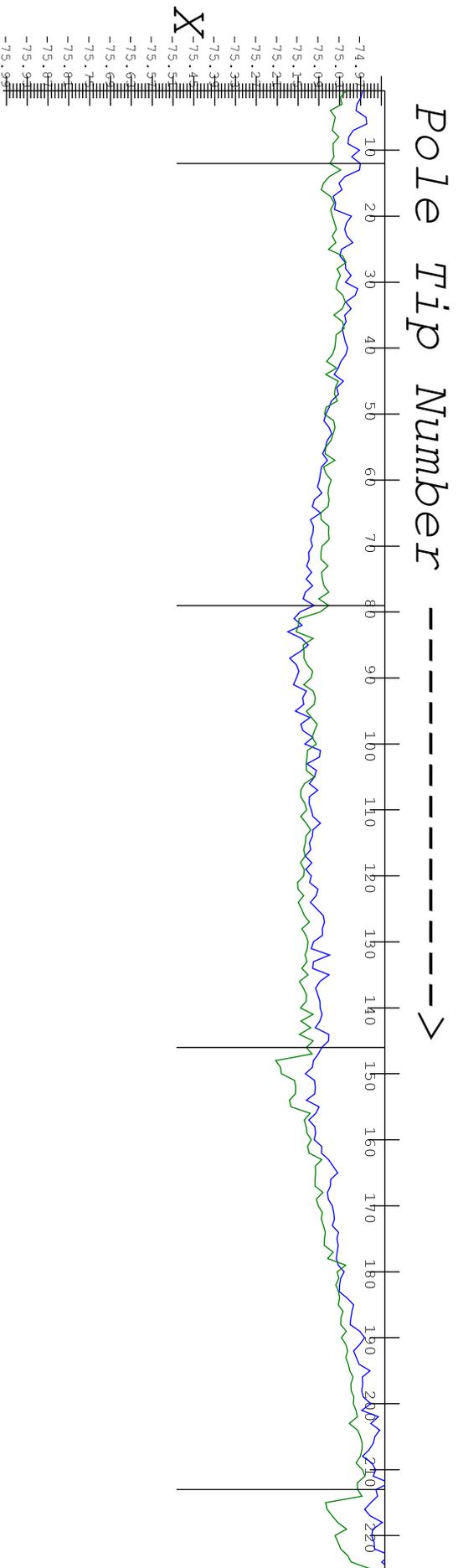


*Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
Included Angle is the angle between the Upper and Lower Pole Tips*

SLAC
LCLS-MMF
LEITZ CMM

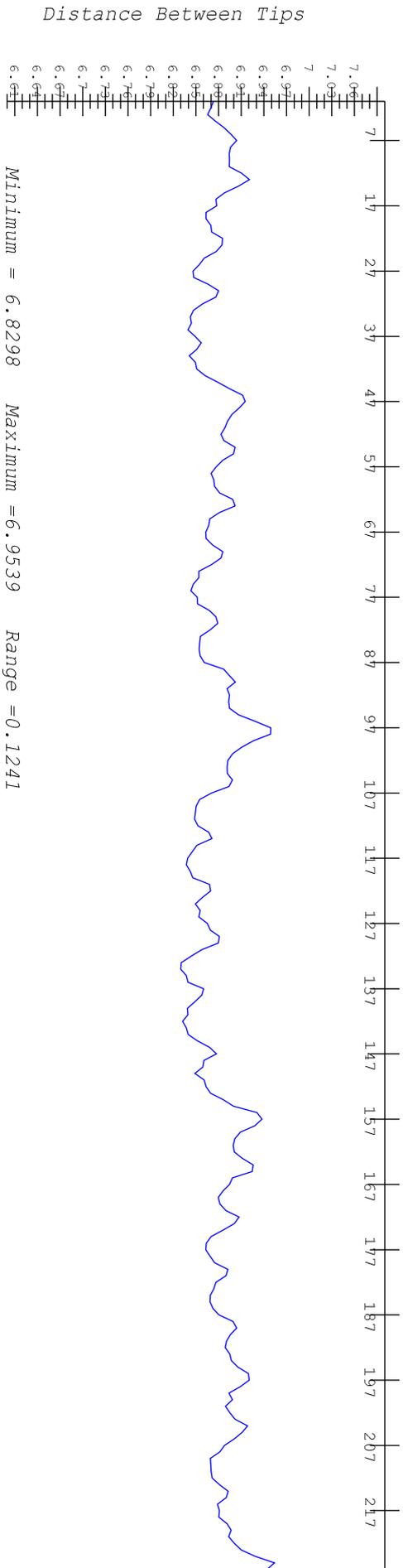
*Undulator Pole Tip Angles
Measured unrestrained*

DATE: 01-JUN-2009
UNDUULATOR # 5

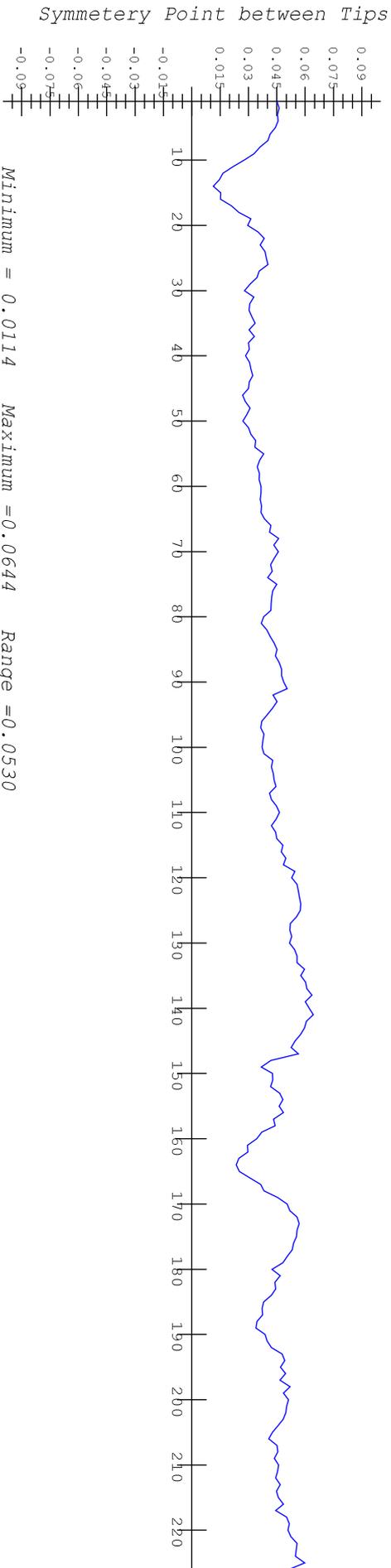


Green = Point on Front face of Upper Pole Tip 10mm above Nominal C/L
 Blue = Point on Front face of Lower Pole Tip 10mm below Nominal C/L

| | | |
|---|---|--|
| <p>SLAC LCLS-MMF LEITZ CMM</p> | <p>Undulator Pole Tip Location Measured unrestrained</p> | <p>DATE: 01-JUN-2009 UNDUULATOR # 5</p> |
|---|---|--|



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-

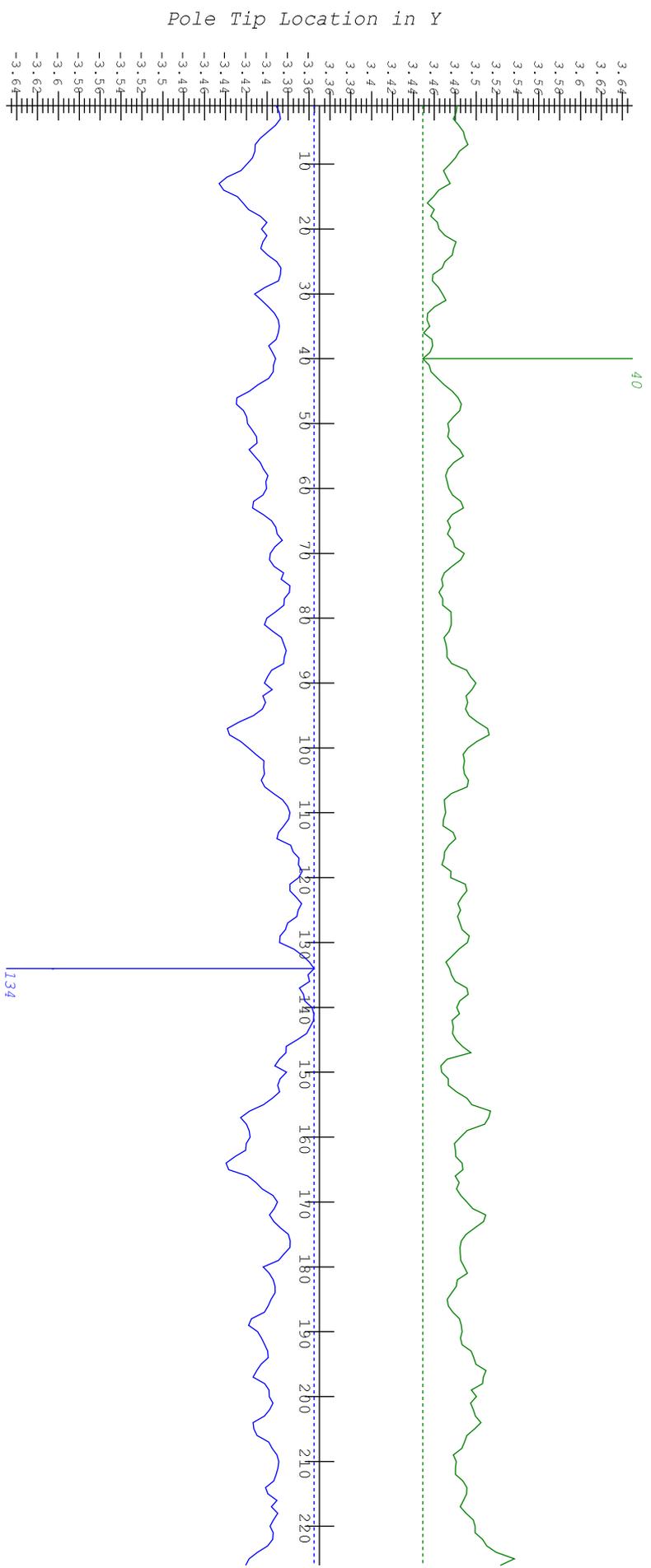
SLAC
 LCLS-MMF
 LEITZ CMM

Undulator Pole Tip Location
 Measured unrestrained

DATE: 01-JUN-2009
 UNDUULATOR #5

MINIMUM GAP = 6.8042

Minimum = 3.4490 Maximum = 3.5367 Range = 0.0877



Minimum = -3.4459 Maximum = -3.3552 Range = 0.0907

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: 01-JUN-2009
UNDUULATOR #5