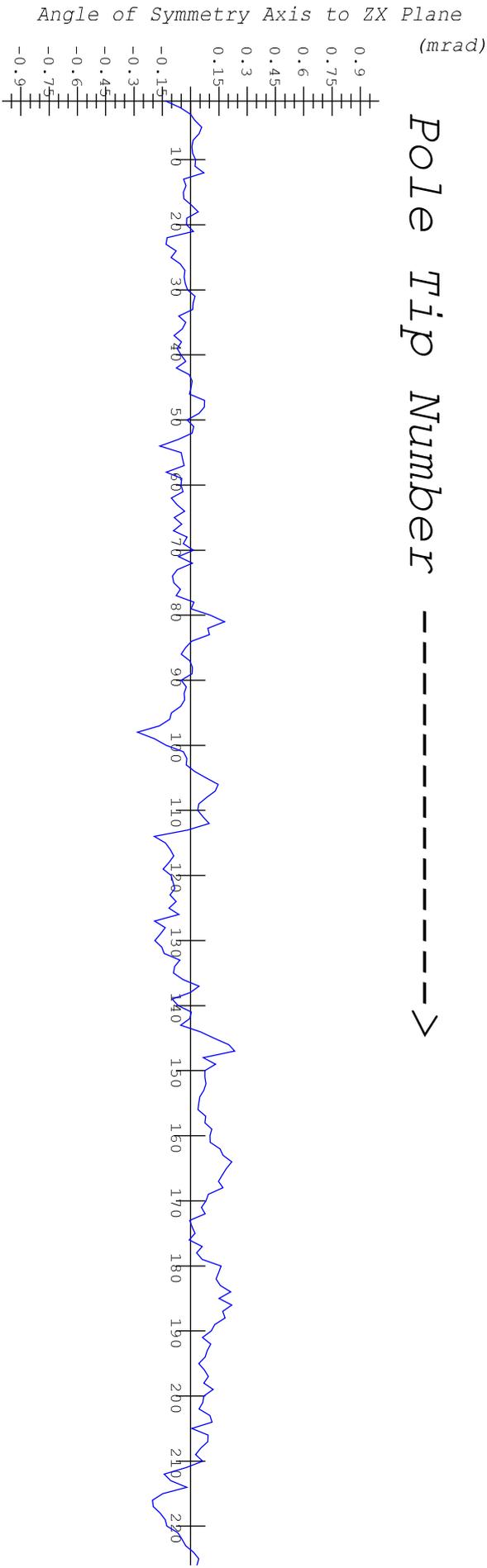


Pole Tip Number ----->

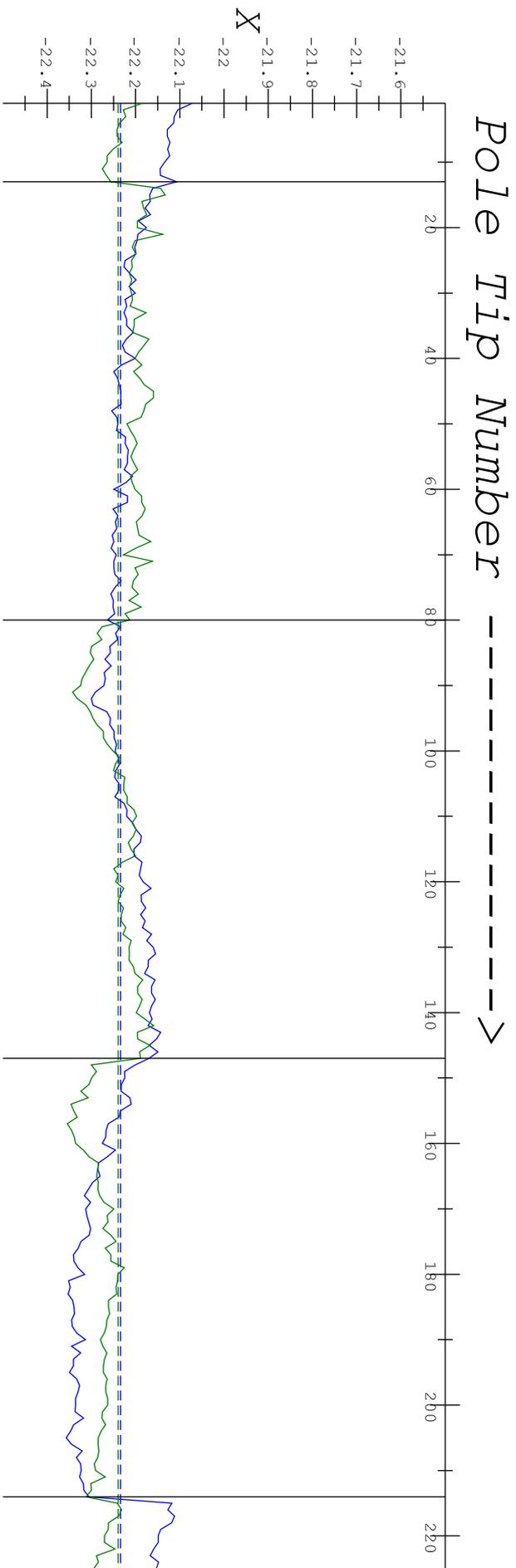


Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
 Included Angle is the angle between the Upper and Lower Pole Tips



Undulator Pole Tip Angles
 Inprocess Shim Check
 6.8mm Gap Undulator

DATE: 08-FEB-2012
 UNDUULATOR #18
 DATASET # 0004
 PROGRAM VERSION 3.0



X values in mm

Green Solid = Point on front face of Upper Pole Tip 11.5mm above Magnetic C/L

Green Dash = Mean value of all Upper Pole Tips 11.5mm above Magnetic C/L Mean value Upper Pole Tips = -22.239

Blue Solid = Point on front face of Lower Pole Tip 11.5mm below Magnetic C/L

Blue Dash = Mean value of all Lower Pole Tips 11.5mm below Magnetic C/L Mean value Lower Pole Tips = -22.234



Undulator Pole Tip Location

Inprocess Shim Check

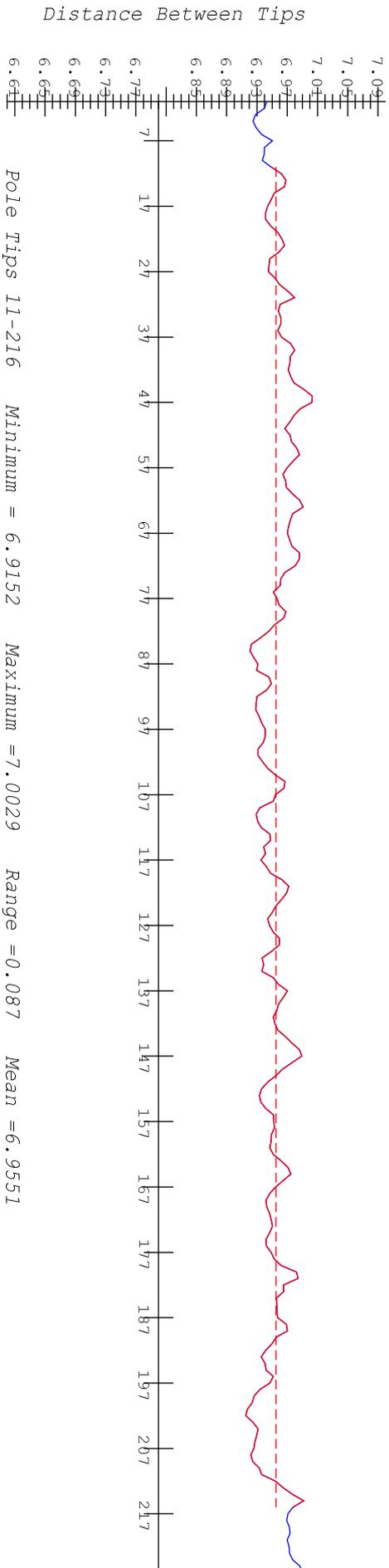
6.8mm Gap Undulator

DATE: 08-FEB-2012

UNDULATOR #18

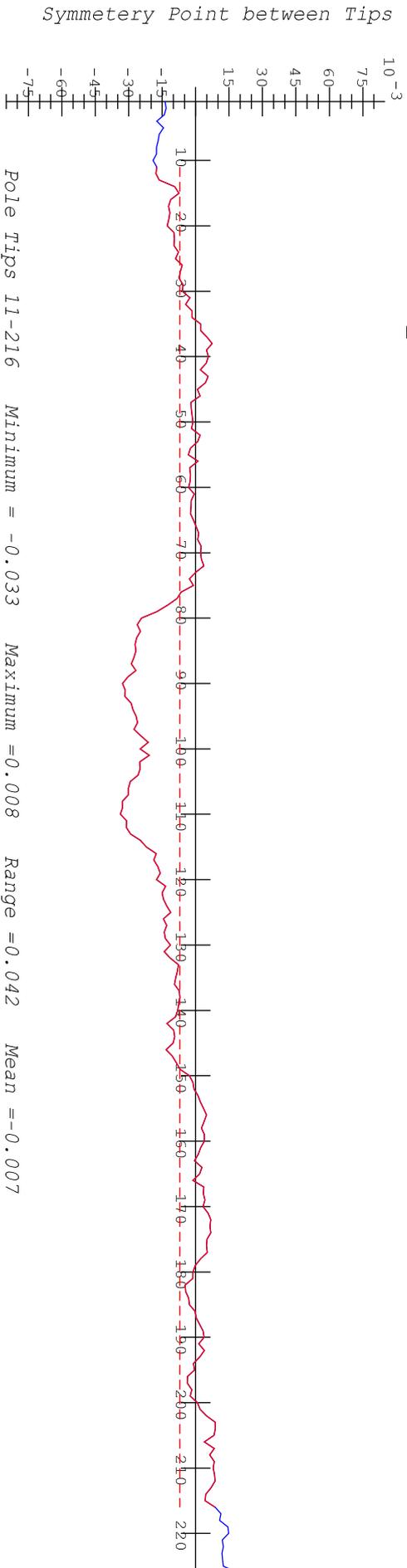
DATASET # 0004

PROGRAM VERSION 3.0



in mm

Pole Tip Number ----->



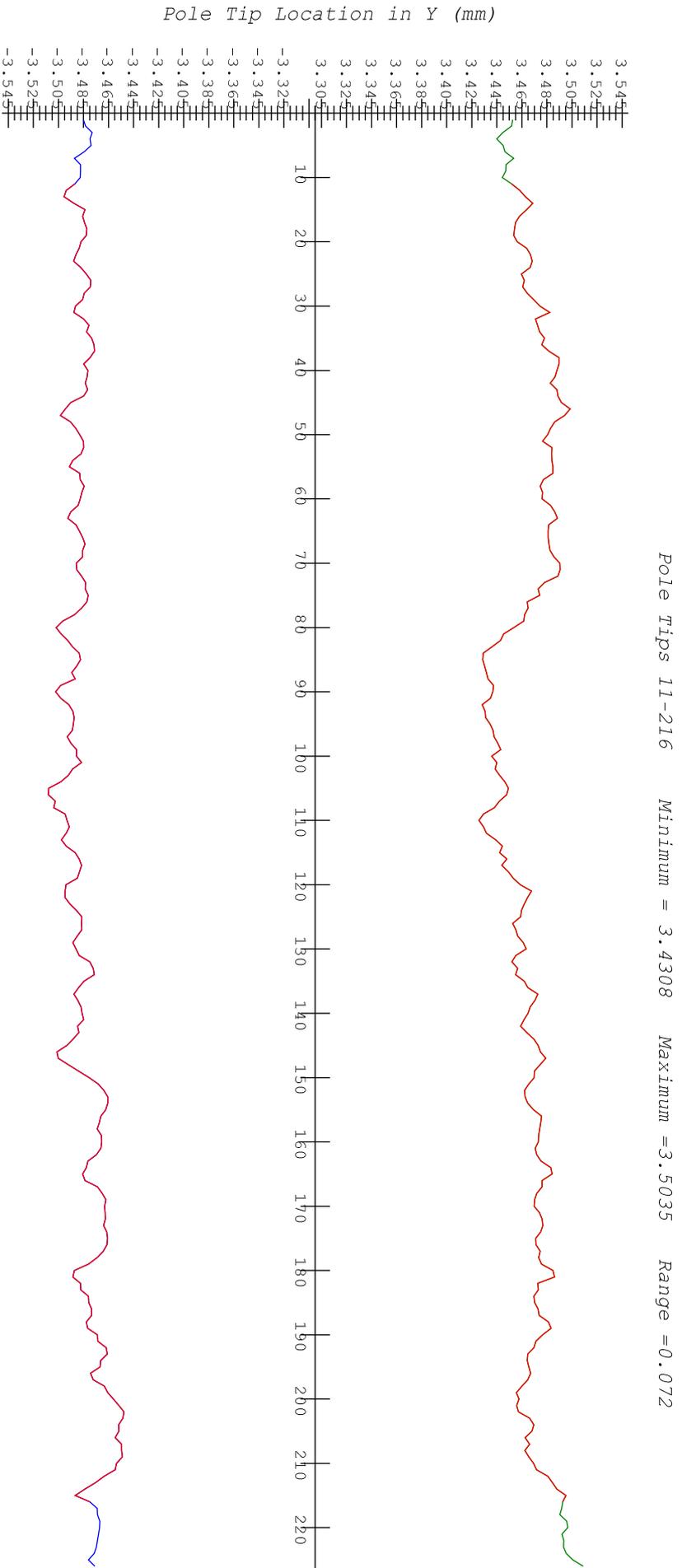
Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C\L
 Broken Red line is Mean Value of Symmetry Points and Mean Value of Gap Distance
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C\L



Undulator Pole Tip Location

Inprocess Shim Check
6.8mm Gap Undulator

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Pole Tip Number ----->

Green + Red = The position of the Upper Pole Tips at Magnetic C/L (Pole Tips 11-216 in Red)
 Blue + Red = The position of the Lower Pole Tips at Magnetic C/L (Pole Tips 11-216 in Red)



Undulator Pole Tip Location
 Inprocess Shim Check
 6.8 mm Gap Undulator

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Top Magnetic Structure $\frac{C/L \text{ Offset}}{\text{Length}}$ 3380.590
 Bottom Magnetic Structure -0.413 3380.830
 Strongback 0.000 3399.796

Dimensions in mm

Angles in mrad

TOOLING BALL LOCATIONS

NUM.	X	Y	Z
1	-0.1194	179.8543	-1558.502
2	-0.0963	179.6966	-585.0015
3	-0.0374	179.7033	591.0005
4	-0.0352	179.7756	1561.8502
5	248.2255	0.0671	-1558.626
6	248.2810	0.1004	-584.9283
7	248.2757	0.1174	591.0382
8	248.3011	0.1316	1561.8401



Undulator Dimensional Fiducialization
 Inprocess Shim Check
 6.8MM Gap Undulator

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