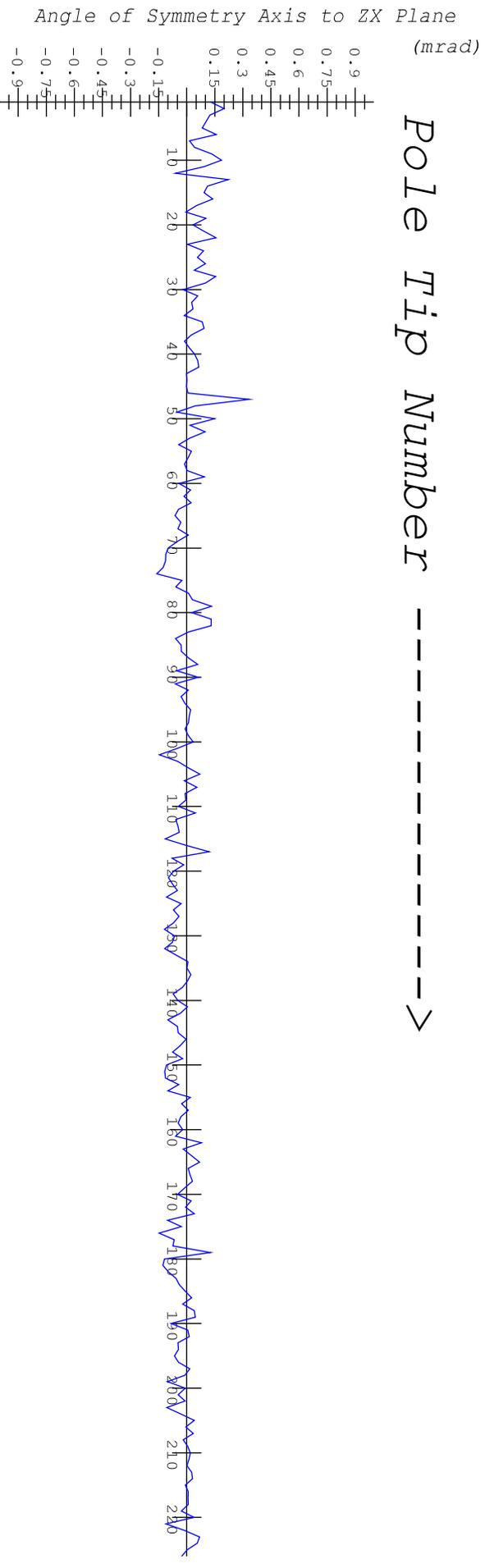


Pole Tip Number ----->

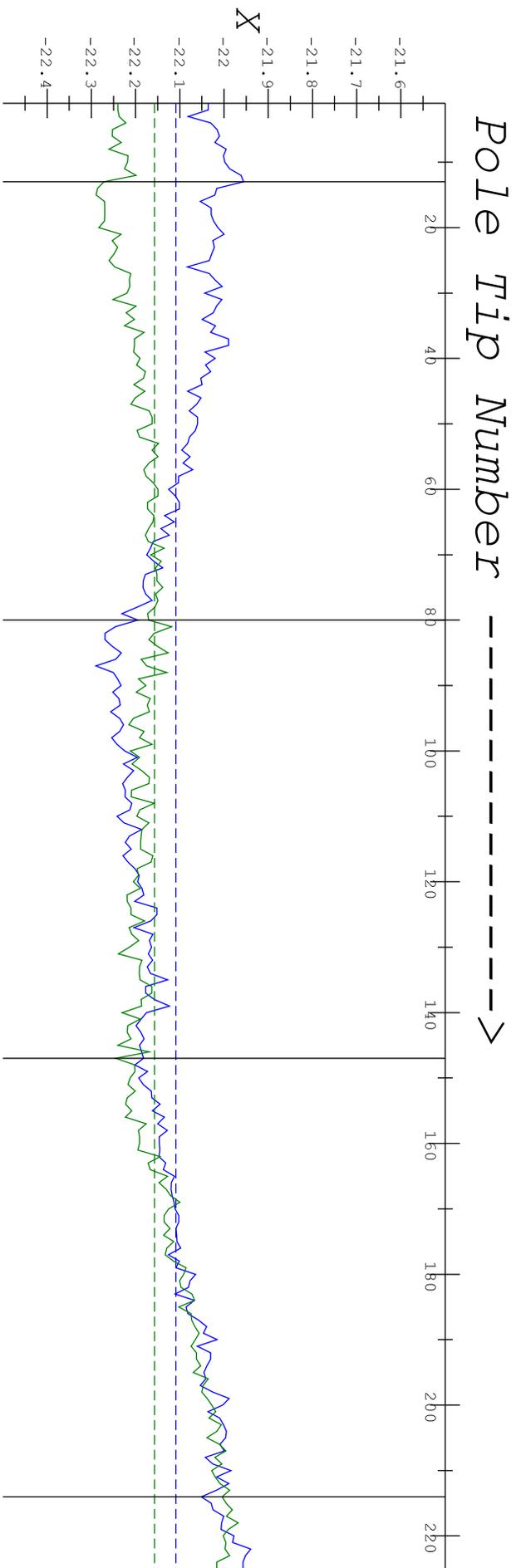


Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
 Included Angle is the angle between the Upper and Lower Pole Tips



Undulator Pole Tip Angles
 Inprocess Shim Check
 Wide Gap Undulator

DATE: 15-JUN-2010
 UNDUULATOR #01
 DATASET # 0001
 PROGRAM VERSION 2.0



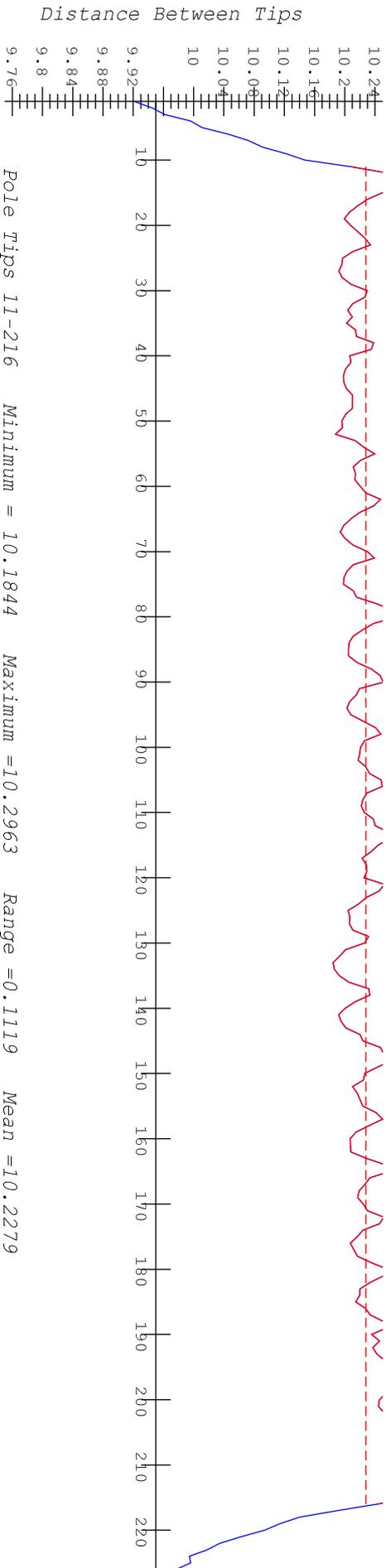
X values in mm

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

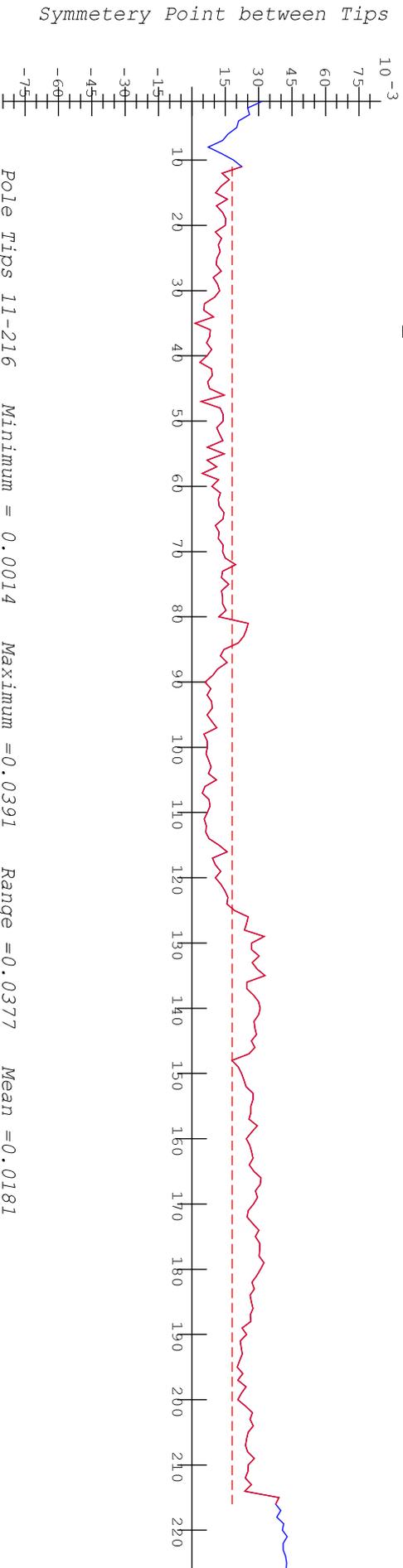
Green Dash = Mean value of all Upper Pole Tips 11.5mm above Magnetic C/L Mean value Upper Pole Tips = -22.157

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 = -22.109



in mm
Pole Tip Number ----->

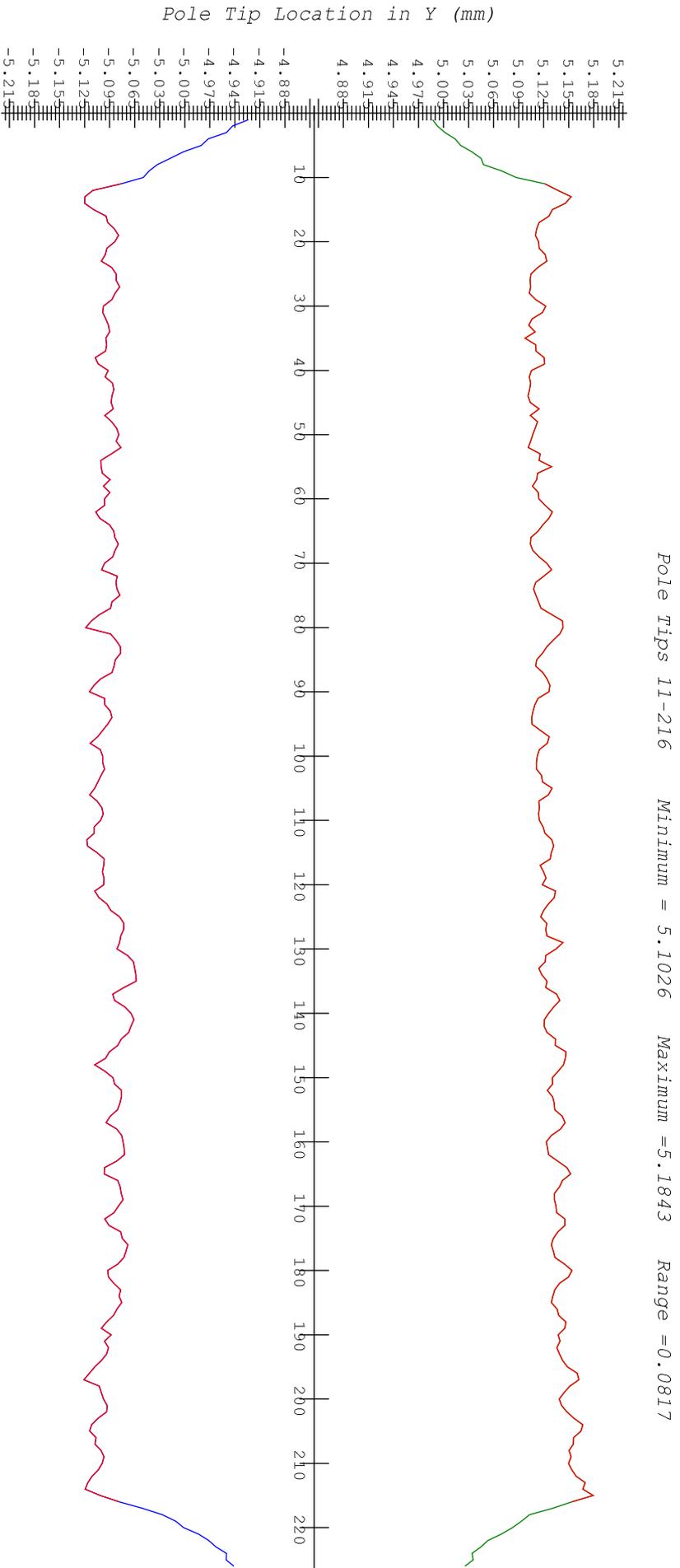


Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C\L
Broken Red line is Mean Value of Symmetry Points and Mean Value of Gap Distance
Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect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



Undulator Pole Tip Location
Inprocess Shim Check
Wide Gap Undulator

DATE: 15-JUN-2010
UNDULATOR #01
DATASET # 0001
PROGRAM VERSION 2.0

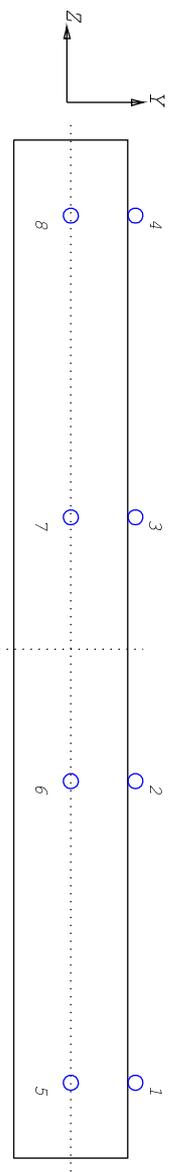


Green + Red = The position of the Upper Pole Tips at Magnetic C/L (Pole Tips 11-216 in Red)
 Blue + Red = The position of the Lower Pole Tips at Magnetic C/L (Pole Tips 11-216 in Red)



Undulator Pole Tip Location
 Inprocess Shim Check
 Wide Gap Undulator

DATE: 15-JUN-2010
 UNDULATOR #01
 DATASET # 0001
 PROGRAM VERSION 2.0



Top Magnetic Structure C/L Offset Length
 Bottom Magnetic Structure -0.502 3380.715
 Strongback 0.000 3399.796

Dimensions in mm Angles in mrad

----- TOOLING BALL LOCATIONS -----

NUM.	X	Y	Z
1	-0.1781	179.9490	-1558.513
2	-0.2036	179.8526	-585.0709
3	-0.1456	179.8739	591.0916
4	-0.0604	179.8804	1561.8319
5	248.2273	0.1059	-1558.644
6	248.1424	0.1408	-584.9996
7	248.1854	0.2590	590.8399
8	248.1727	0.1038	1561.7792



Undulator Dimensional Fiducialization
 Inprocess Shim Check
 Wide Gap Undulator

DATE: 15-JUN-2010
 UNDUULATOR #01
 DATASET # 0001
 PROGRAM VERSION 2.0