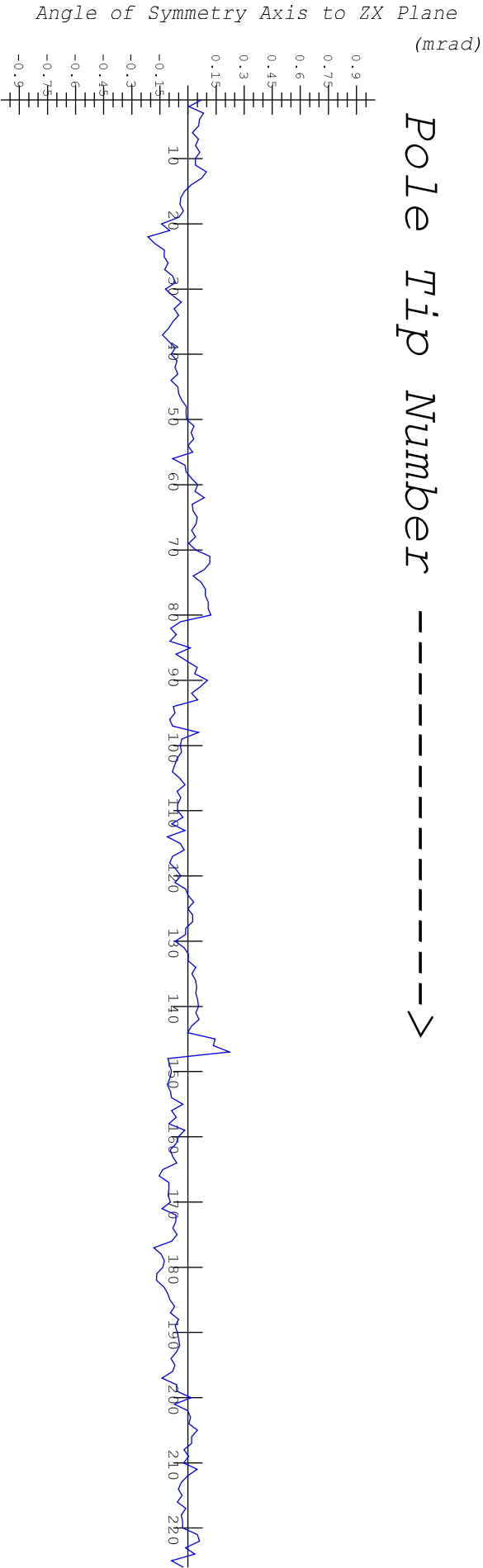
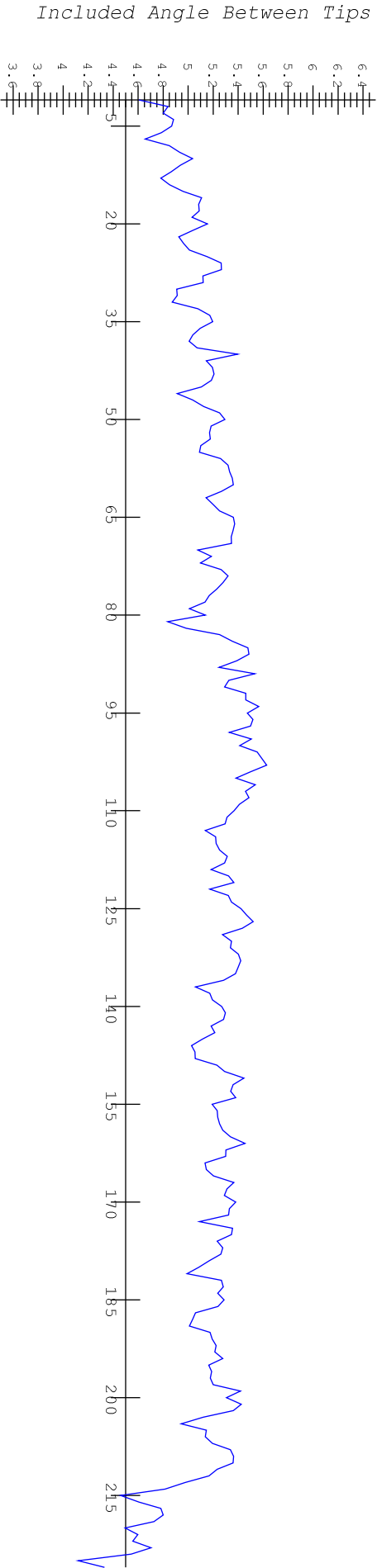




Pole Tip Number ----->

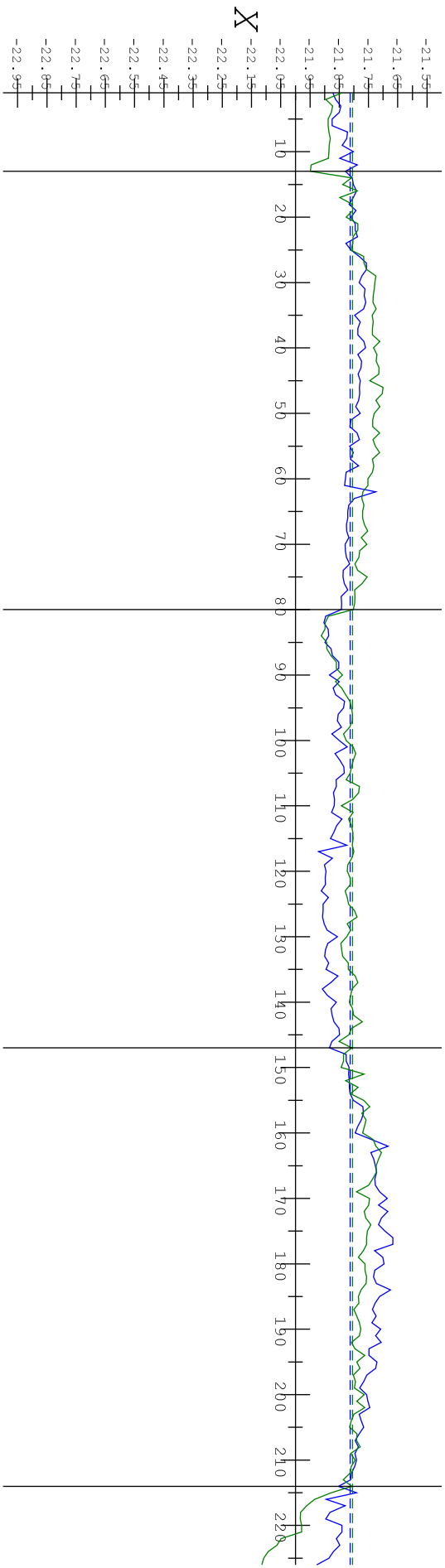
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
Included Angle is the angle between the Upper and Lower Pole Tips

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Undulator Pole Tip Angles
Post Magnetic Alignment

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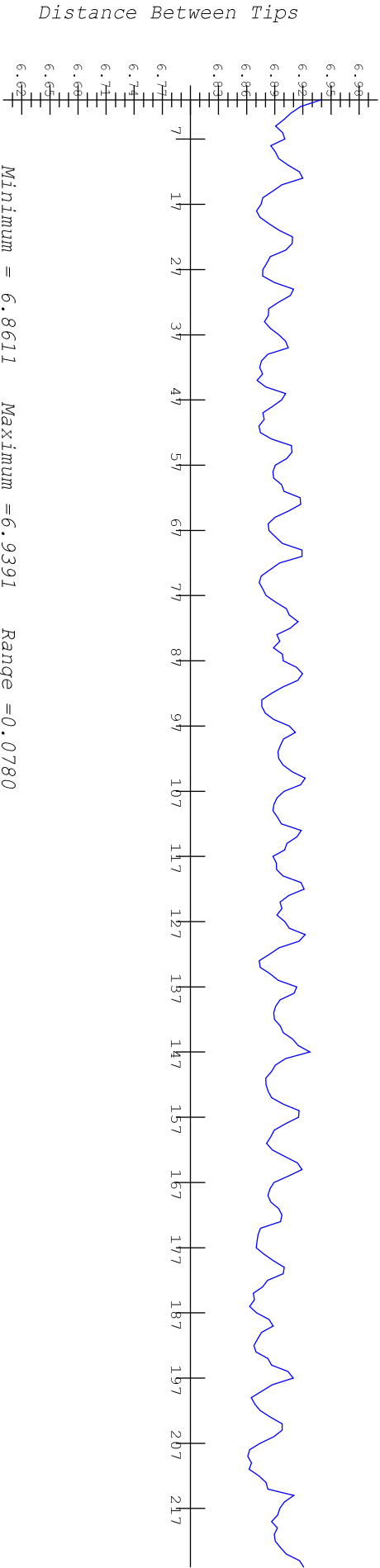
Pole Tip Number ----->



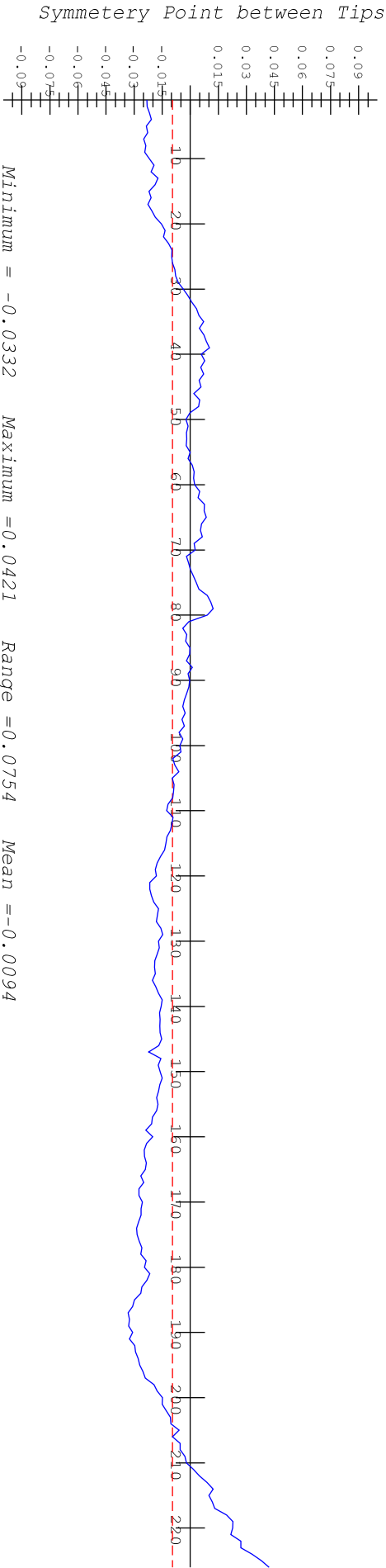
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Undulator Pole Tip Location
Post Magnetic Alignment

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UNDULATOR # 13
DATASET # 0015
PROGRAM VERSION 2.7



Pole Tip Number ----->



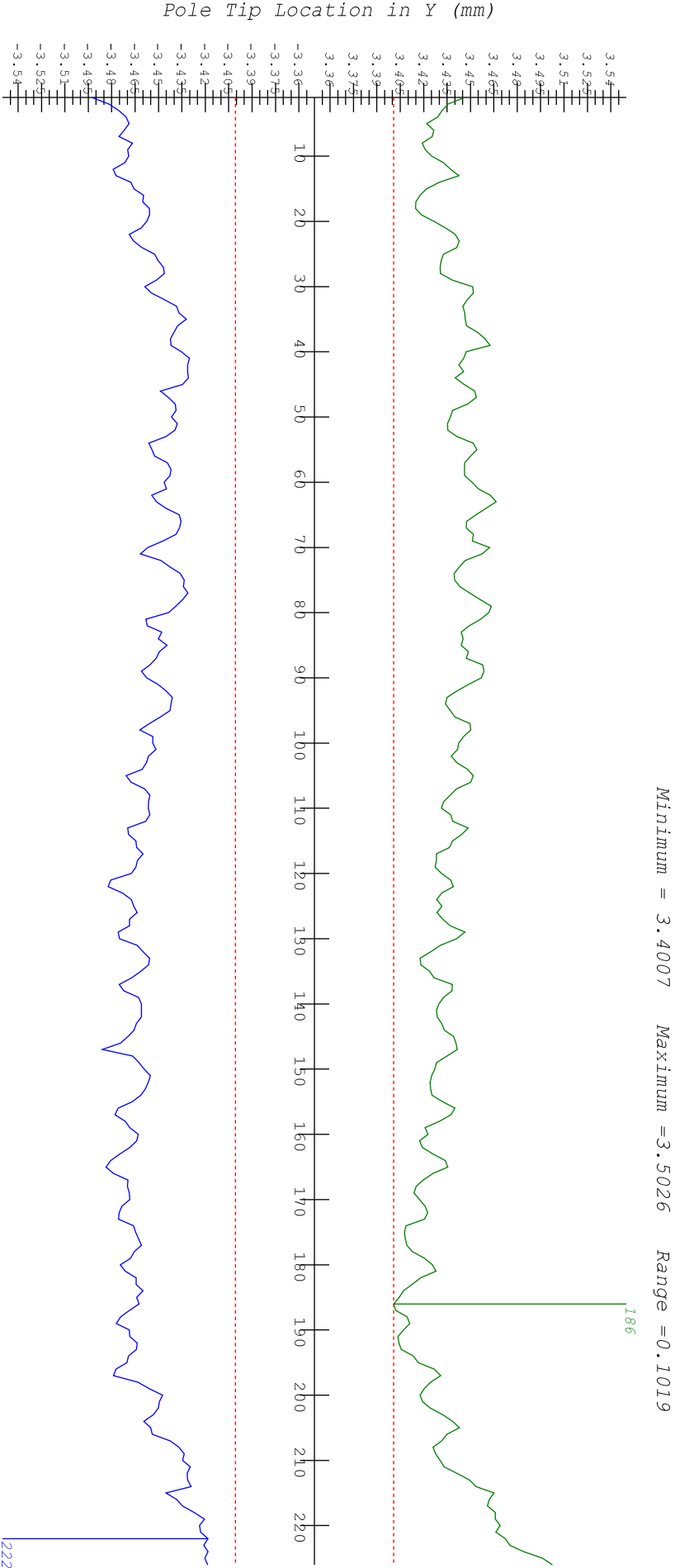
Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C/L
Broken Red line is Mean Value of Symmetry Points
Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C/L

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Undulator Pole Tip Location
Post Magnetic Alignment

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Maximum Chamber Gap = 6.8014



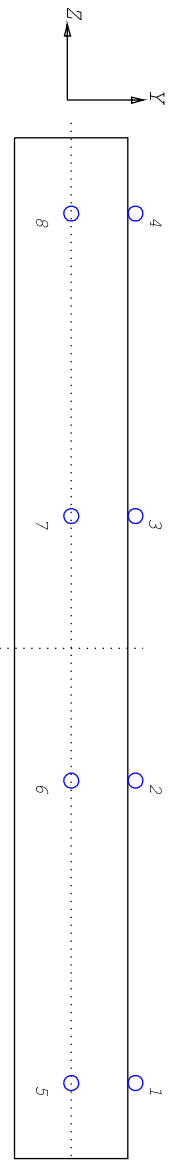
Pole Tip Number ----->

Green = The position of the Upper Pole Tips at Magnetic C\L
Blue = The position of the Lower Pole Tips at Magnetic C\L
Max. Chamber Gap = The maximum width vacuum chamber that will fit centered on the Magnetic C\L (2*Min. Dev. from C\L)

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Undulator Pole Tip Location
Post Magnetic Alignment

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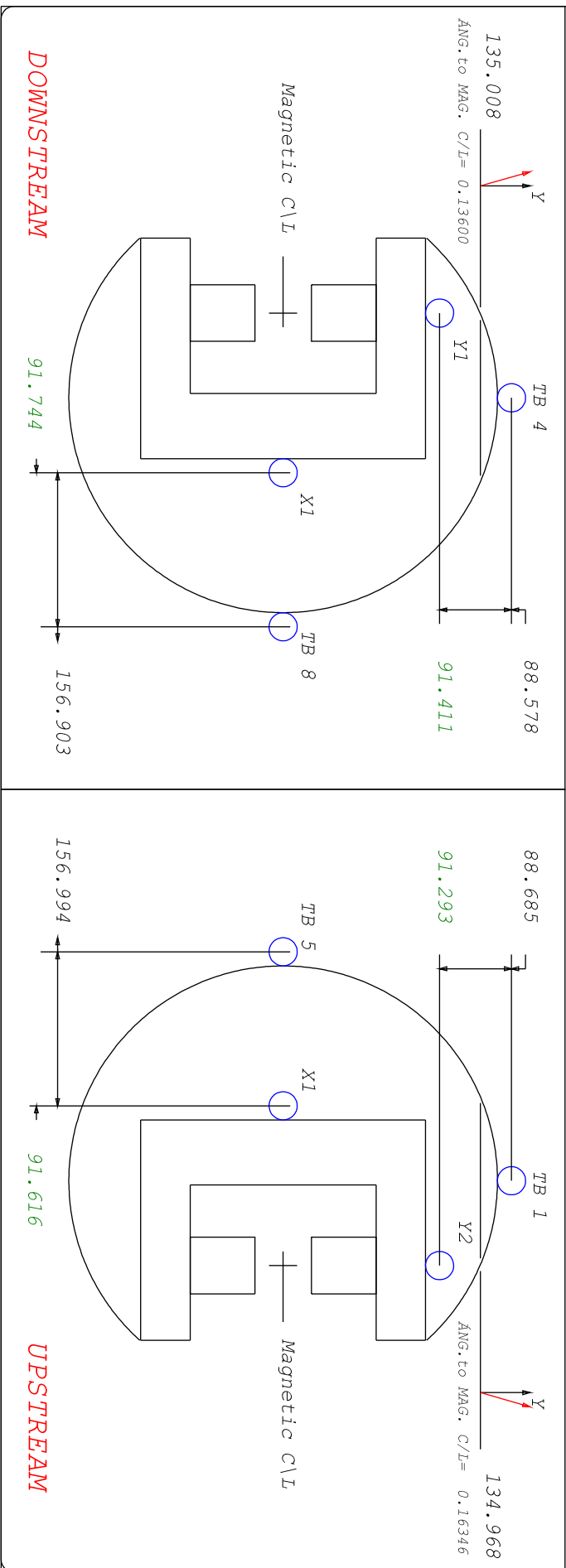


TOOLING BALL LOCATIONS			
NUM.	X	Y	Z
1	0.2875	179.9778	-1558.287
2	0.4219	180.0043	-584.4543
3	0.3218	179.8921	591.3035
4	0.2967	179.9892	1562.0738
5	248.6097	0.0681	-1558.330
6	248.5627	-0.0304	-584.5998
7	248.5845	0.0396	591.3235
8	248.6466	-0.0618	1562.0820

Top Magnetic Structure	C/L Offset	Length
	-0.096	3381.052
Bottom Magnetic Structure	0.096	3381.275
Strongback	0.249	3399.774

Dimensions in mm

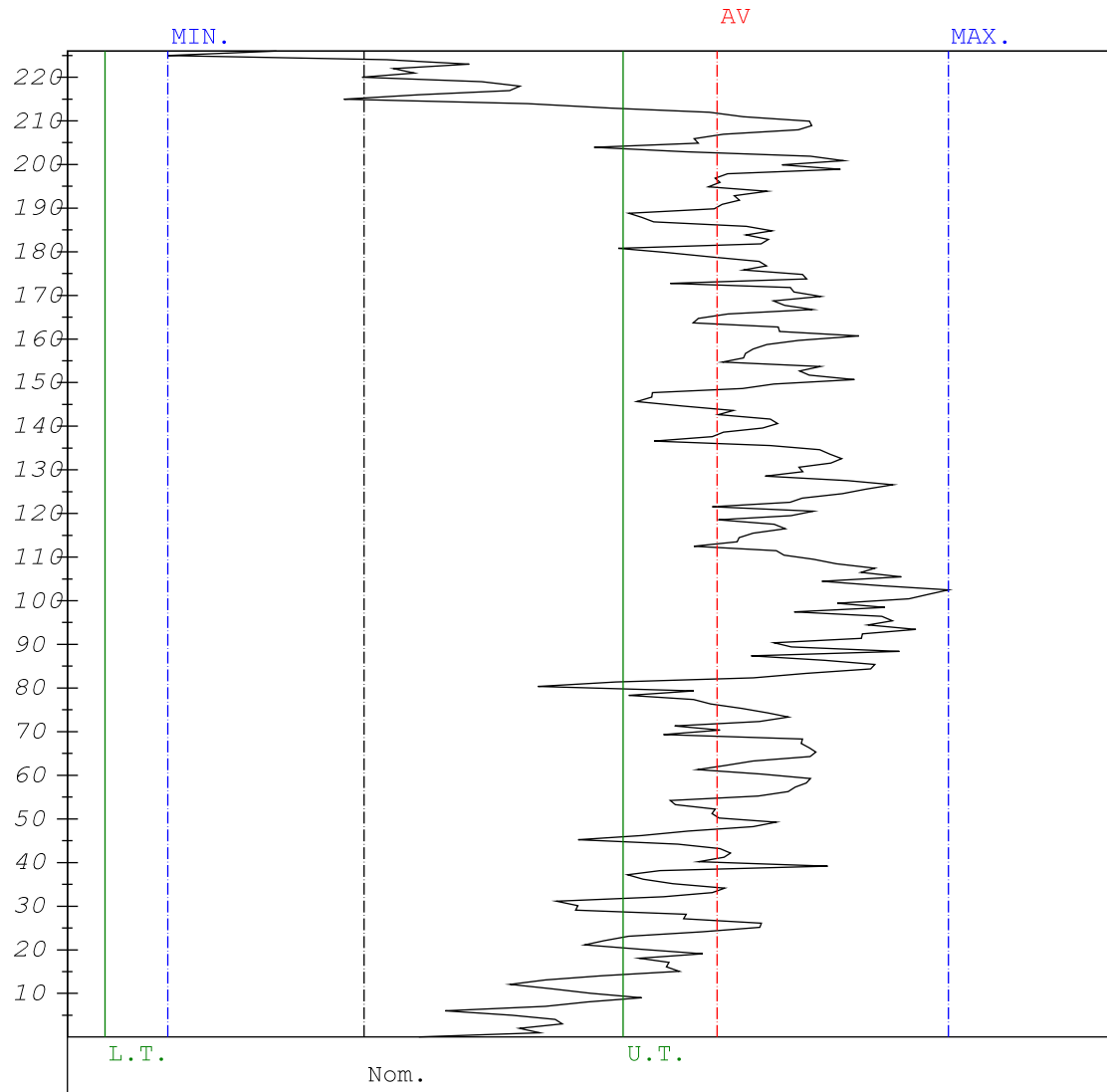
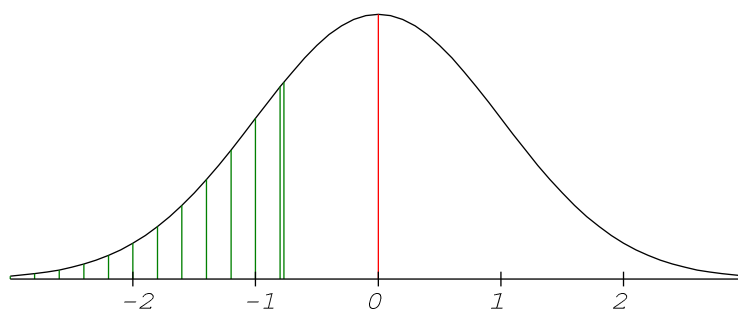
Angles in mrad



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Undulator Dimensional Fiducialization
Post Magnetic Alignment

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Nominal : 4.5000	Averag : 5.1815	Cent.-Dev. : 0.6815
Up. Tol. : 0.5	Maximum : 5.6282	U.Tol.Ex. > : 77.9 %
Low.Tol. : -0.5	Minimum : 4.1217	L.Tol.Ex. < : 0.0 %
Spl.Size : 226	Stand.-Dev.: 0.2357	In Tolerance: 22.1 %
Outlier : 0	Distribution : NOR	Dimension : mrad

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Statistical Evaluation
Pole Tip Gap Angle
Post Magnetic Alignment

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DATASET # 0015
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