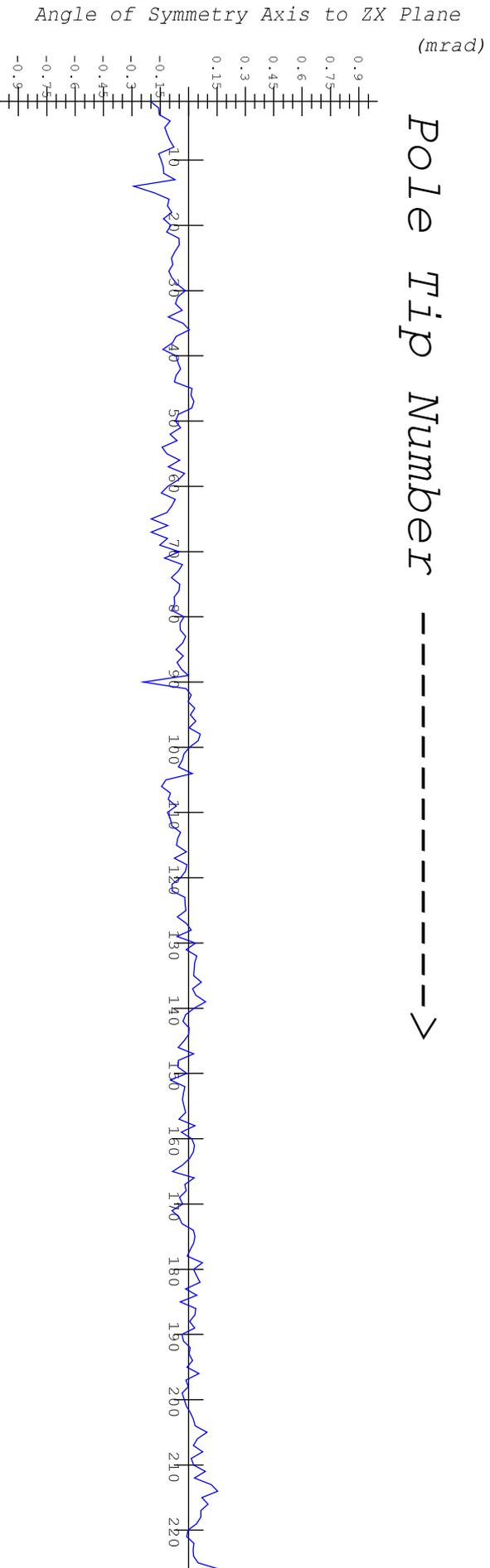


Pole Tip Number ----->



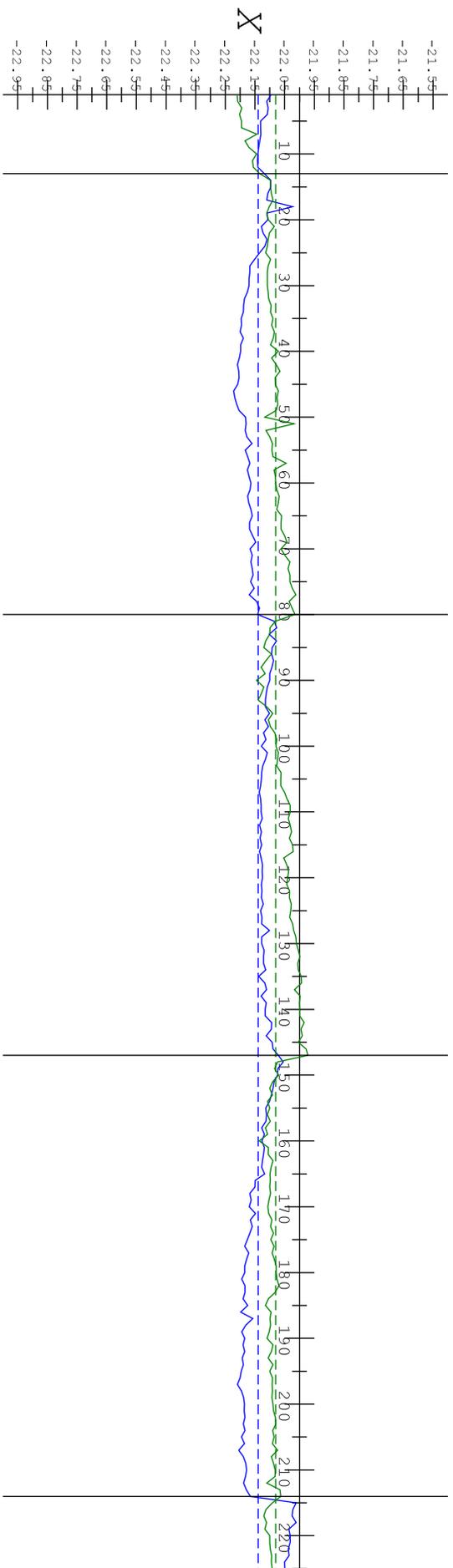
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
 Included Angle is the angle between the Upper and Lower Pole Tips

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Undulator Pole Tip Angles
 Post Magnetic Alignment

DATE: 26-MAR-2008
 UNDUULATOR # 30
 DATASET # 0001
 PROGRAM VERSION 2.6

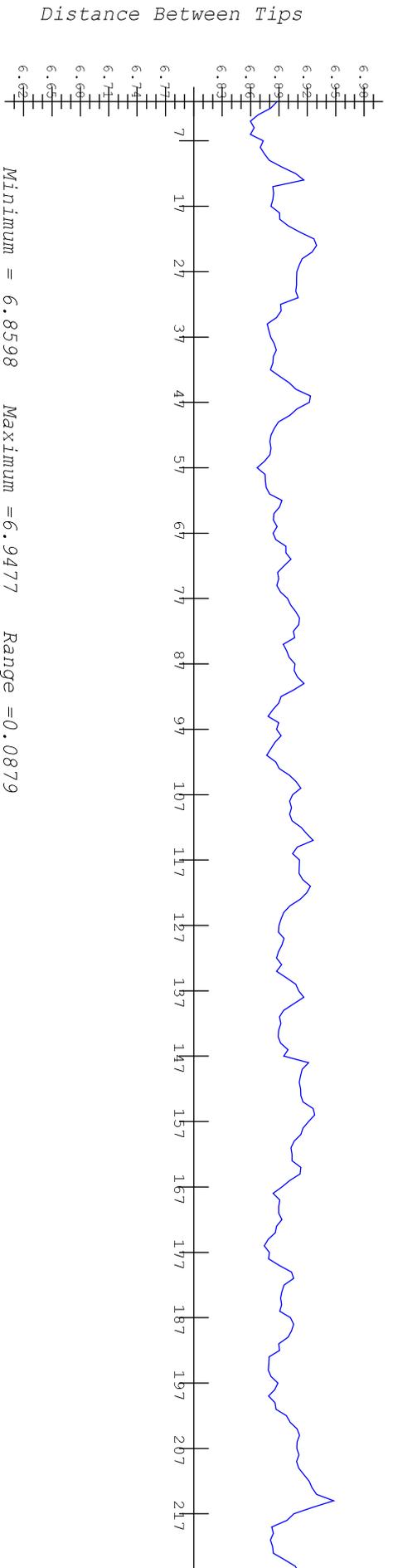
Pole Tip Number ----->



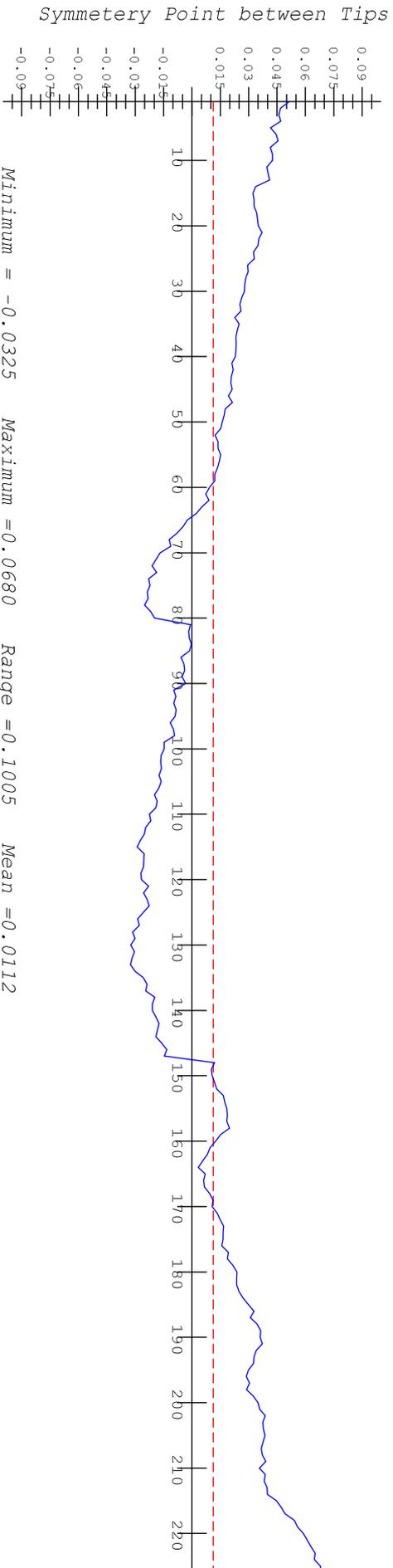
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 LEITZ CMM

Undulator Pole Tip Location
 Post Magnetic Alignment

DATE: 26-MAR-2008
 UNDULATOR # 30
 DATASET # 0001
 PROGRAM VERSION 2.6



Pole Tip Number ----->



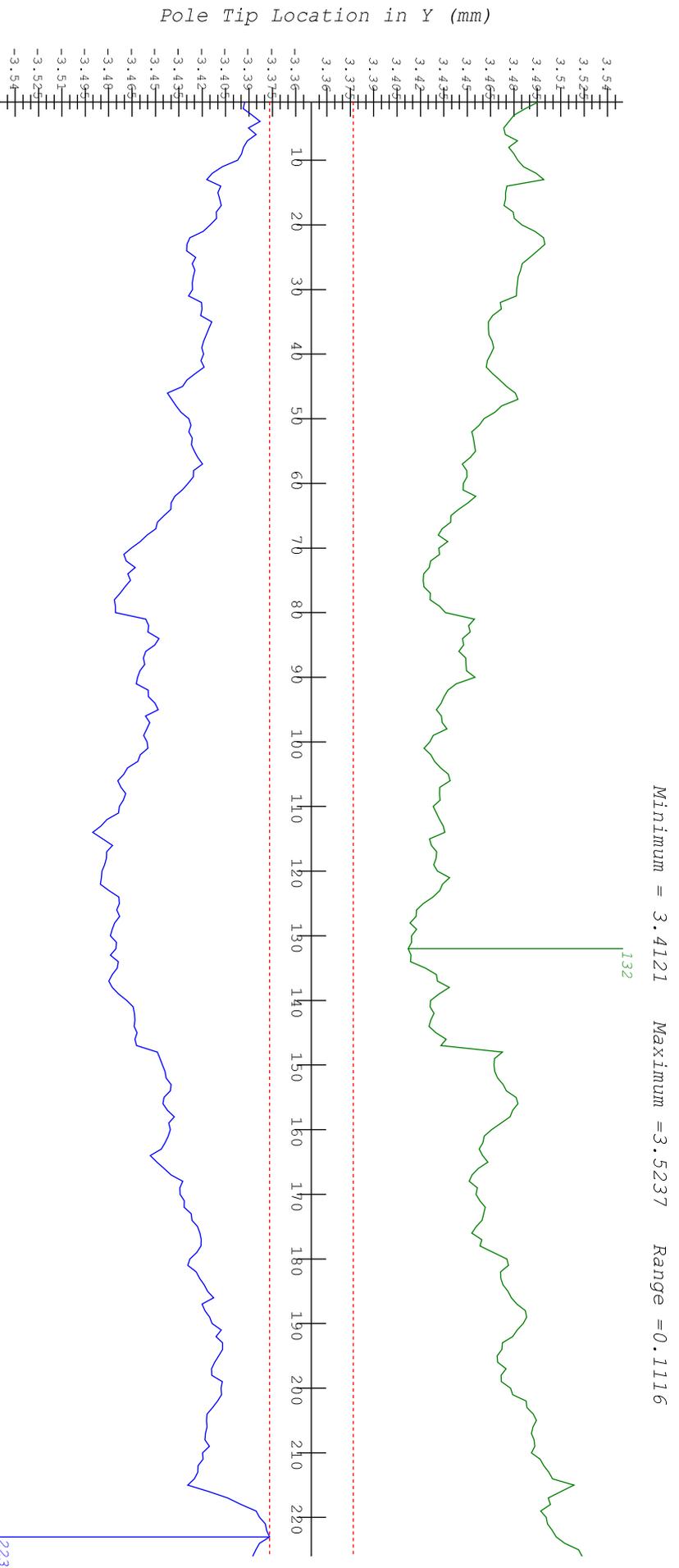
Symmetry Point is the symmetry point between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C\L
 Broken Red line is Mean Value of Symmetry Points
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C\L

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Undulator Pole Tip Location
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Maximum Chamber Gap = 6.7537



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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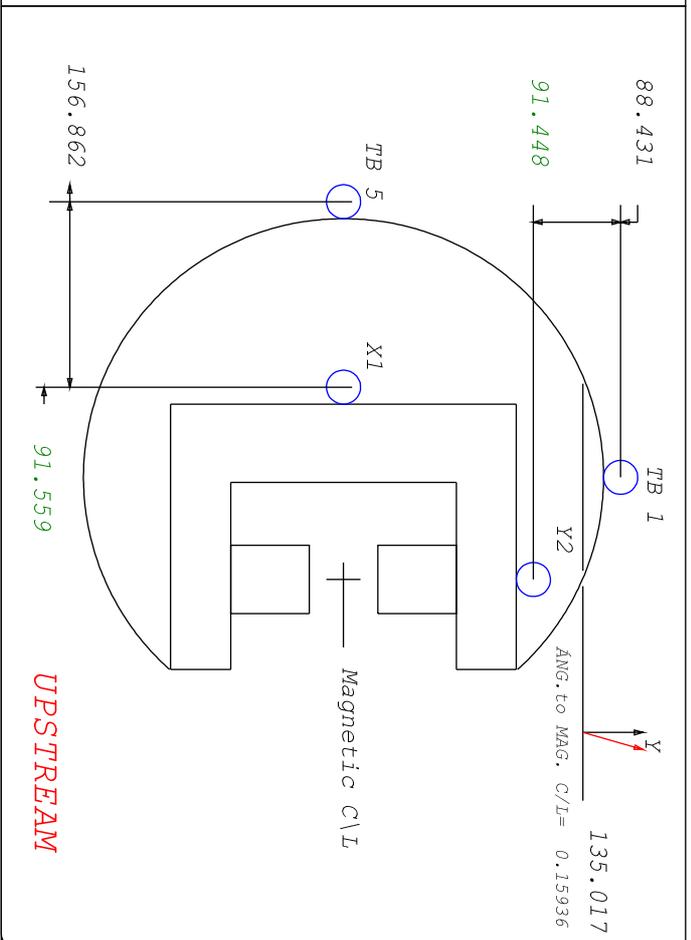
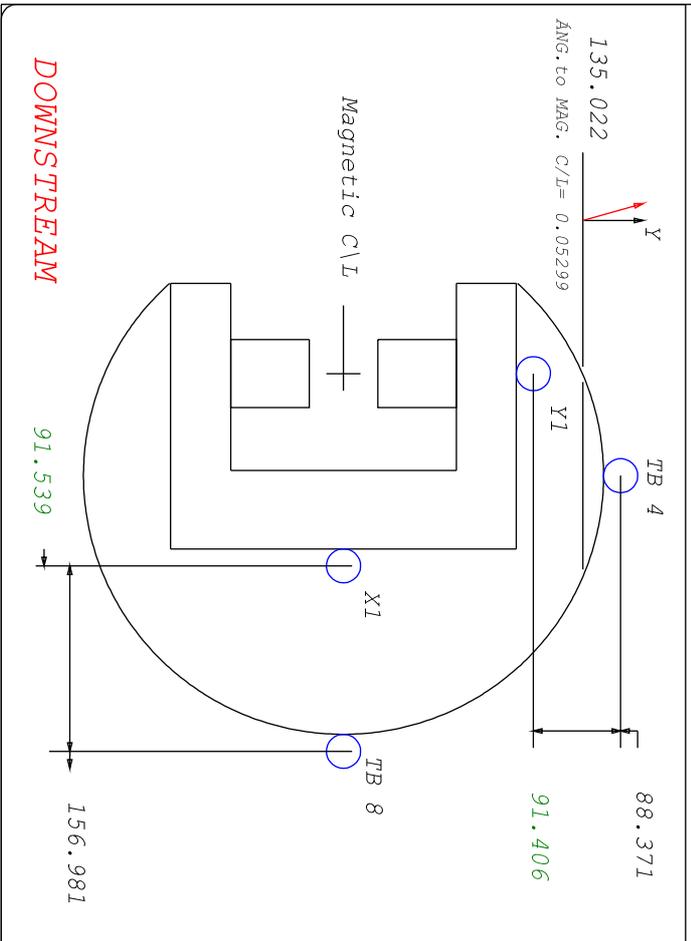
TOOLING BALL LOCATIONS

NUM.	X	Y	Z
1	0.1749	179.8795	-1558.267
2	0.3244	179.7163	-584.6640
3	0.3790	179.7269	591.2904
4	0.3253	179.7774	1562.1555
5	248.4206	0.1675	-1558.369
6	248.5080	0.1227	-584.6673
7	248.5840	0.1365	591.3391
8	248.5205	0.0902	1562.2495

	C/L Offset	Length
Top Magnetic Structure	0.027	3381.215
Bottom Magnetic Structure	-0.027	3381.160
Strongback	0.332	3400.067

Dimensions in mm

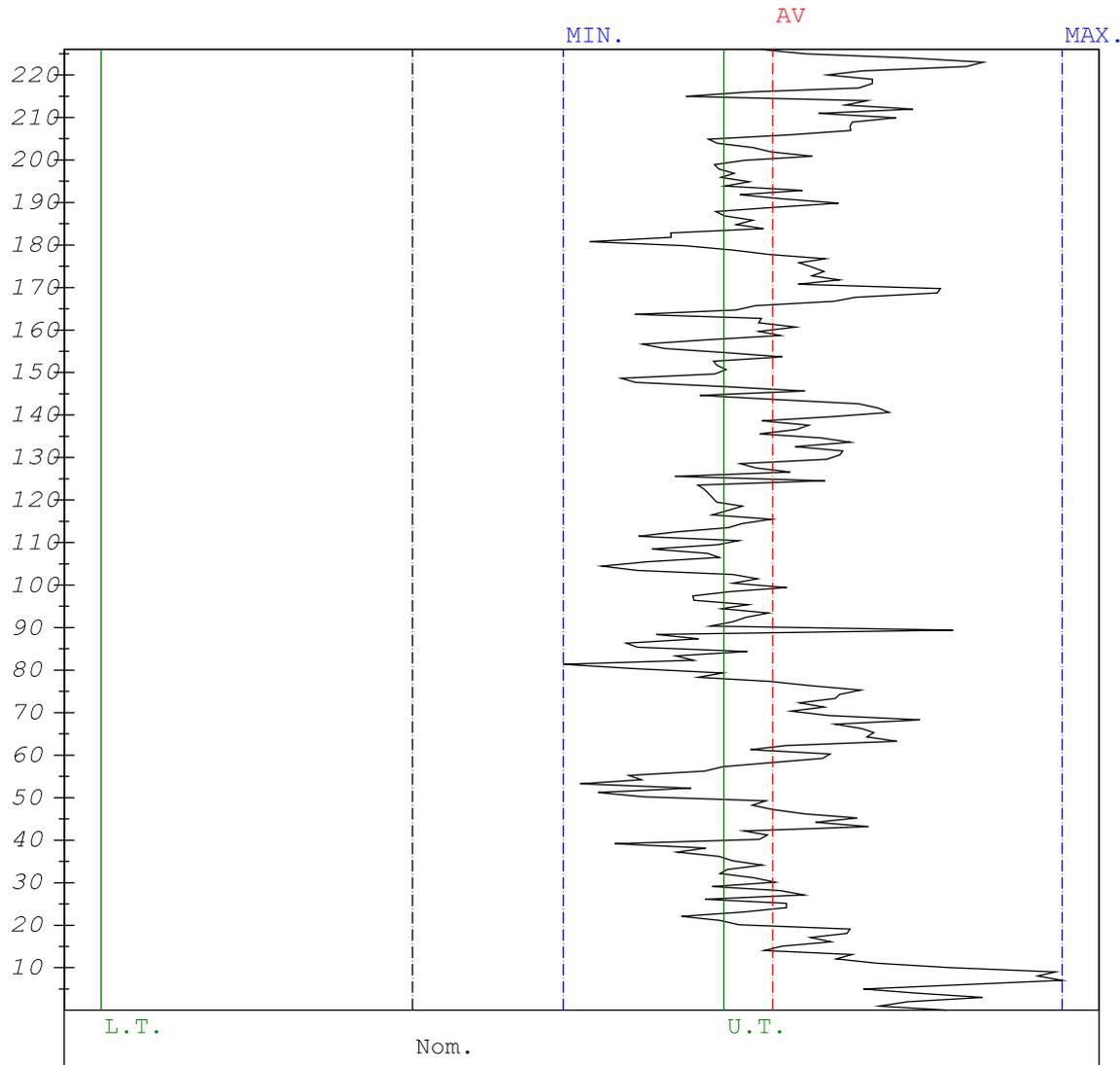
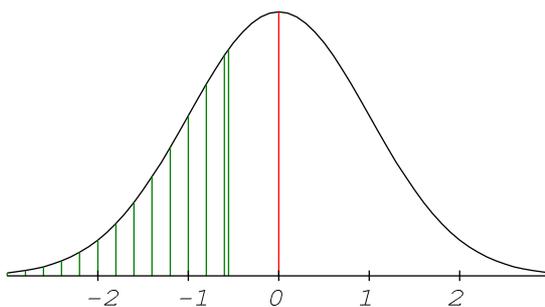
Angles in mrad



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Undulator Fiducialization
Post Magnetic Alignment

DATE: 26-MAR-2008
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Nominal : 4.5000	Averag : 5.0783	Cent.-Dev. : 0.5783
Up. Tol. : 0.5	Maximum : 5.5428	U.Tol.Ex. > : 71.0 %
Low.Tol. : -0.5	Minimum : 4.7421	L.Tol.Ex. < : 0.0 %
Spl.Size : 226	Stand.-Dev.: 0.1413	In Tolerance: 29.0 %
Outlier : 0	Distribution : NOR	Dimension : mrad

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LEITZ CMM

Statistical Evaluation
Pole Tip Gap Angle
Post Magnetic Alignment

DATE: 26-MAR-2008

UNDULATOR # 30
DATASET # 0001
PROGRAM VERSION 2.6