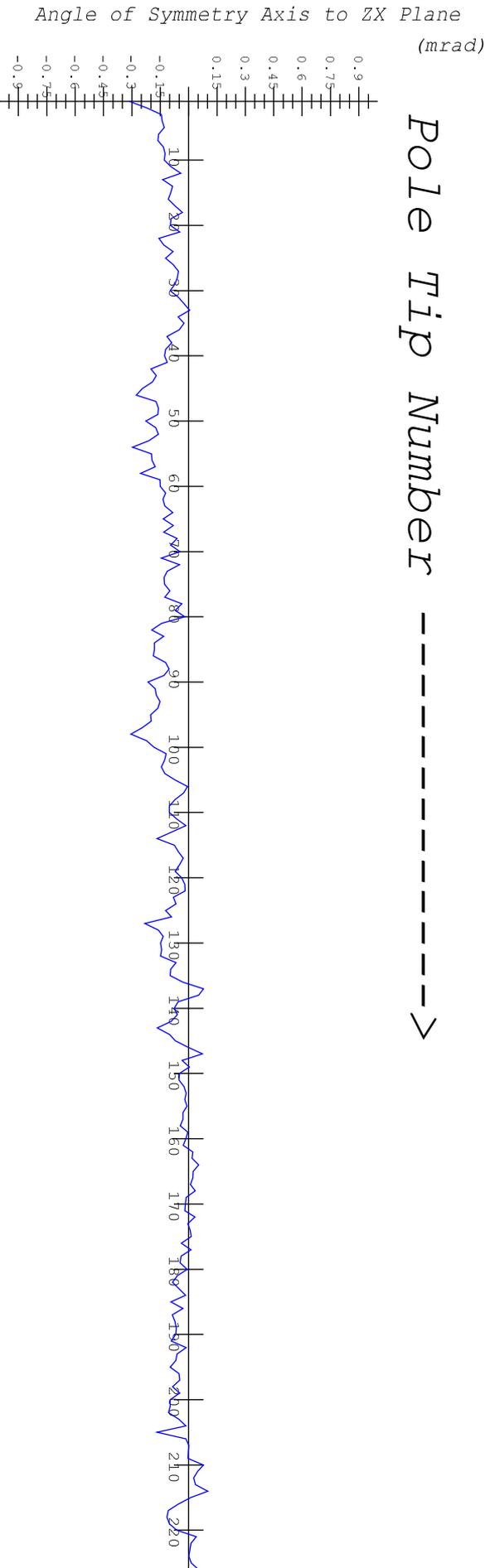


Pole Tip Number ----->



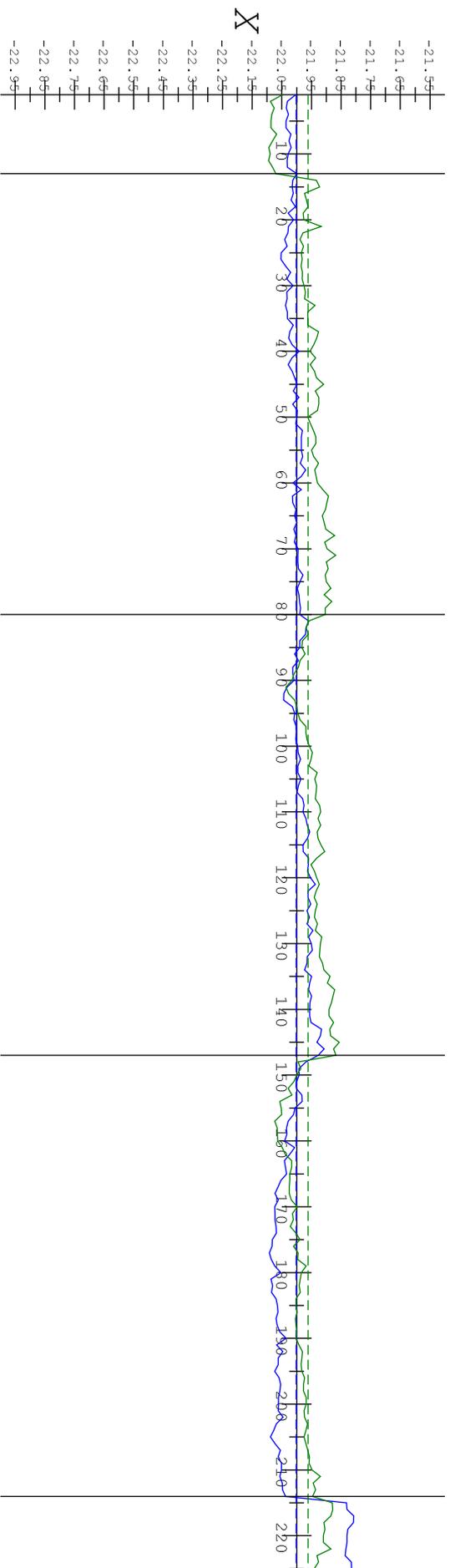
Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips
 Included Angle is the angle between the Upper and Lower Pole Tips

SLAC
 LCLS-MMF
 LEITZ CMM

Undulator Pole Tip Angles
 Post Magnetic Alignment

DATE: 27-FEB-2008
 UNDULATOR # 18
 DATASET # 0001
 PROGRAM VERSION 2.6

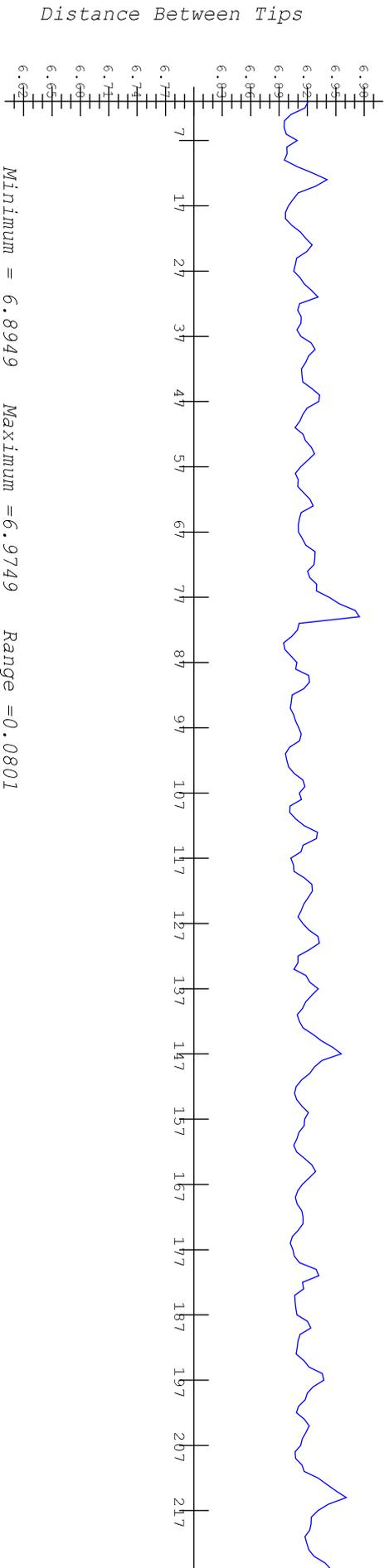
Pole Tip Number ----->



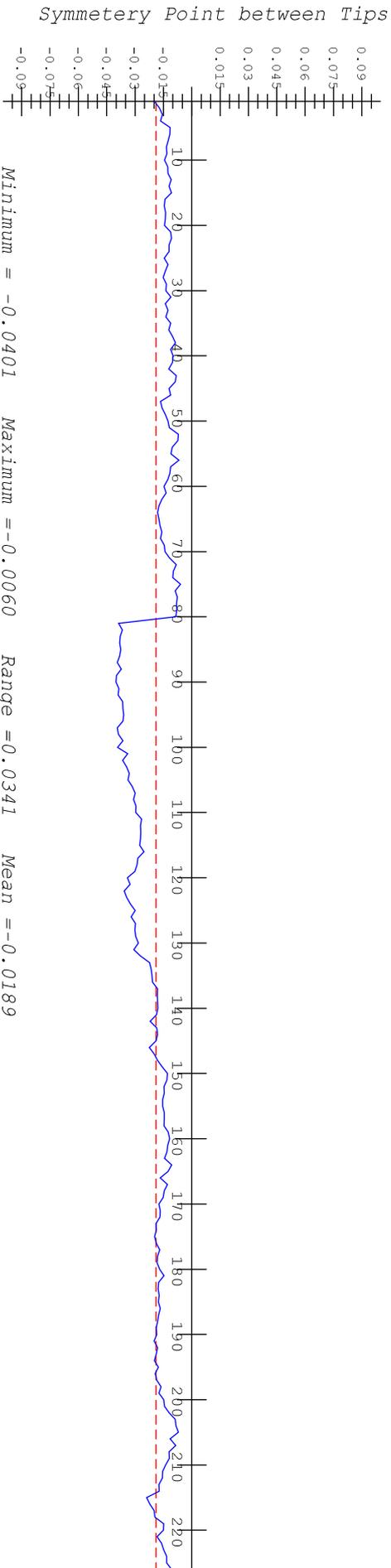
SLAC
 LCLS-MMF
 LEITZ CMM

Undulator Pole Tip Location
 Post Magnetic Alignment

DATE: 27-FEB-2008
 UNDULATOR # 18
 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

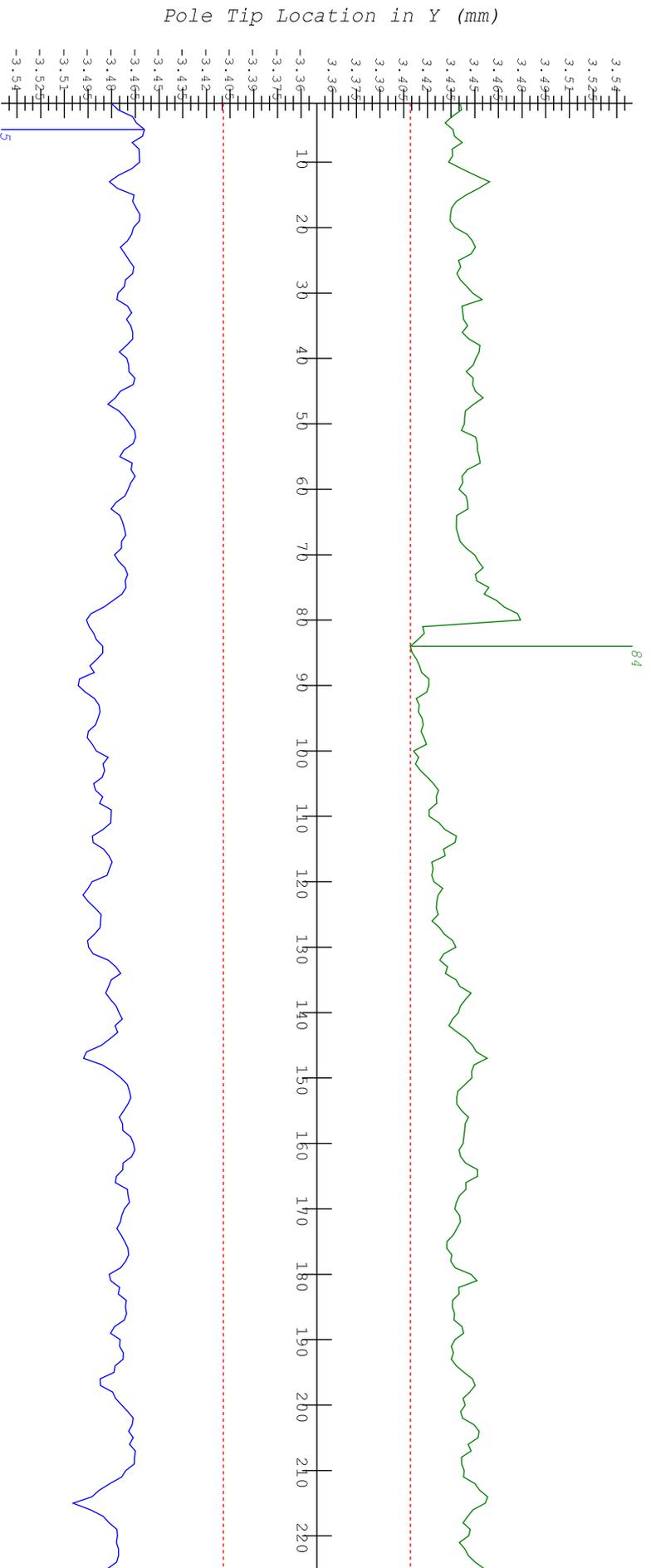
SLAC
 LCLS-MMF
 LEITZ CMM

Undulator Pole Tip Location
 Post Magnetic Alignment

DATE: 27-FEB-2008
 UNDUULATOR # 18
 DATASET # 0001
 PROGRAM VERSION 2.6

Maximum Chamber Gap = 6.8185

Minimum = 3.4092 Maximum = 3.4790 Range = 0.0698



Minimum = -3.5045 Maximum = -3.4592 Range = 0.0453

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)

SLAC
LCLS-MMF
LEITZ CMM

Undulator Pole Tip Location
Post Magnetic Alignment

DATE: 27-FEB-2008
UNDULATOR # 18
DATASET # 0001
PROGRAM VERSION 2.6



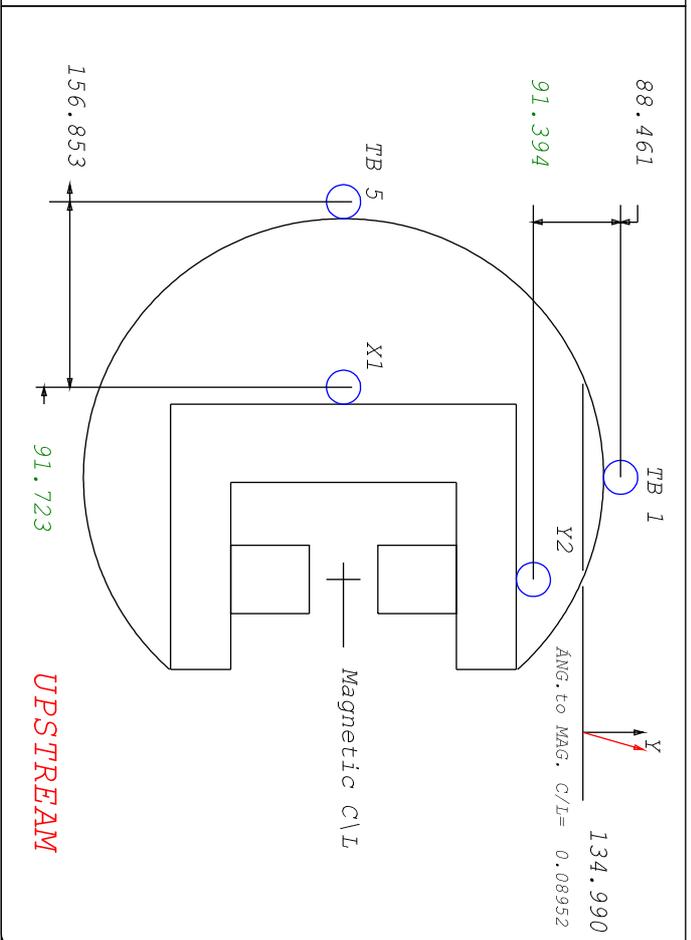
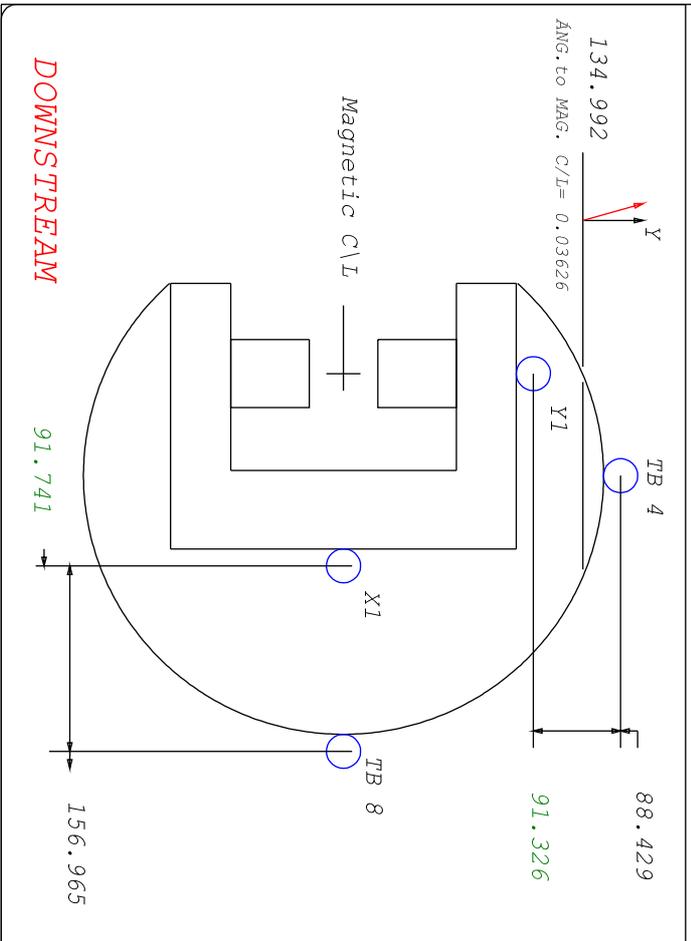
TOOLING BALL LOCATIONS

NUM.	X	Y	Z
1	0.2407	179.8552	-1558.202
2	0.3218	179.6947	-584.7008
3	0.3976	179.6904	591.2984
4	0.3788	179.7550	1562.1396
5	248.5756	0.0482	1558.341
6	248.6864	0.0761	-584.6431
7	248.7046	0.0823	591.3202
8	248.7058	0.0951	1562.1339

	C/L Offset	Length
Top Magnetic Structure	0.041	3381.153
Bottom Magnetic Structure	-0.041	3381.105
Strongback	0.292	3400.005

Dimensions in mm

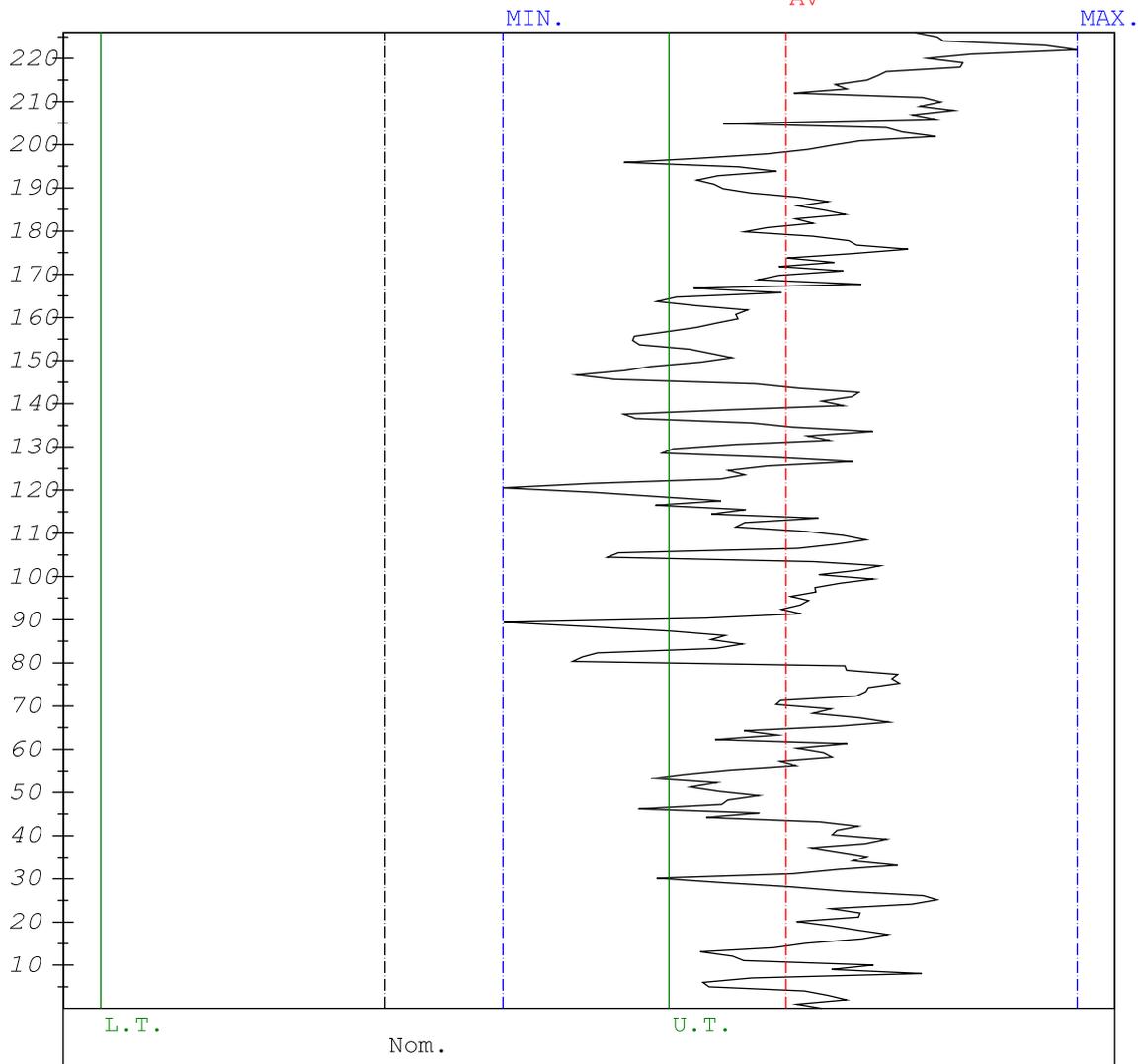
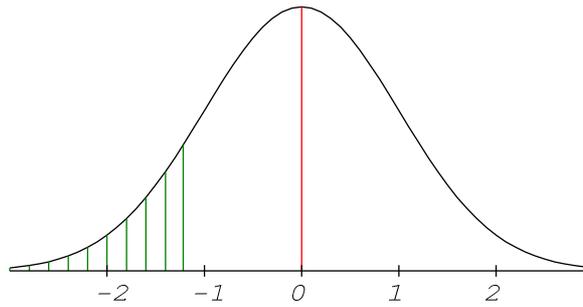
Angles in mrad



SLAC
LCLS-MMF
LEITZ CMM

Undulator Dimensional Fiducialization
Post Magnetic Alignment

DATE: 27-FEB-2008
UNDULATOR # 18
DATASET # 0001
PROGRAM VERSION 2.6



Nominal : 4.5000	Averag : 5.2056	Cent.-Dev. : 0.7056
Up. Tol. : 0.5	Maximum : 5.7179	U.Tol.Ex. > : 88.8 %
Low.Tol. : -0.5	Minimum : 4.7076	L.Tol.Ex. < : 0.0 %
Spl.Size : 226	Stand.-Dev.: 0.1691	In Tolerance: 11.2 %
Outlier : 0	Distribution : NOR	Dimension : mrad

SLAC
LCLS-MMF
LEITZ CMM

Statistical Evaluation
Pole Tip Gap Angle
Post Magnetic Alignment

DATE: 27-FEB-2008

UNDULATOR # 18
DATASET # 0001
PROGRAM VERSION 2.6