

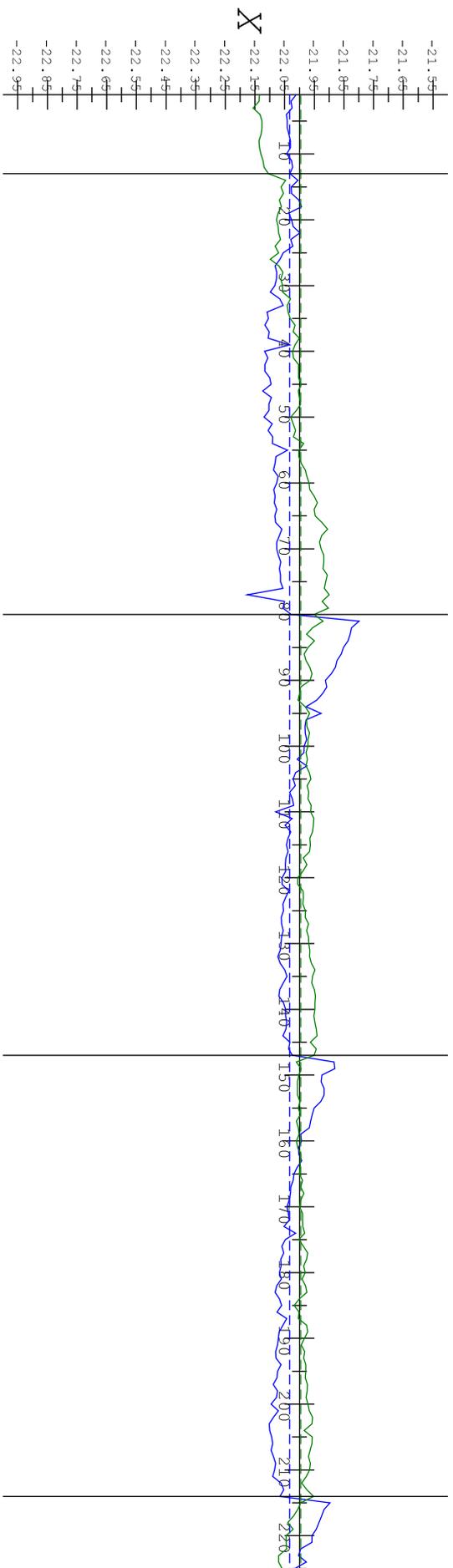
*Symmetry Axis is the symmetry axis between the Upper and Lower Pole Tips  
Included Angle is the angle between the Upper and Lower Pole Tips*

**SLAC**  
 LCLS-MMF  
 LEITZ CMM

*Undulator Pole Tip Angles  
 Post Magnetic Alignment*

DATE: 12-FEB-2008  
 UNDUULATOR # 26  
 DATASET # 0001  
 PROGRAM VERSION 2.6

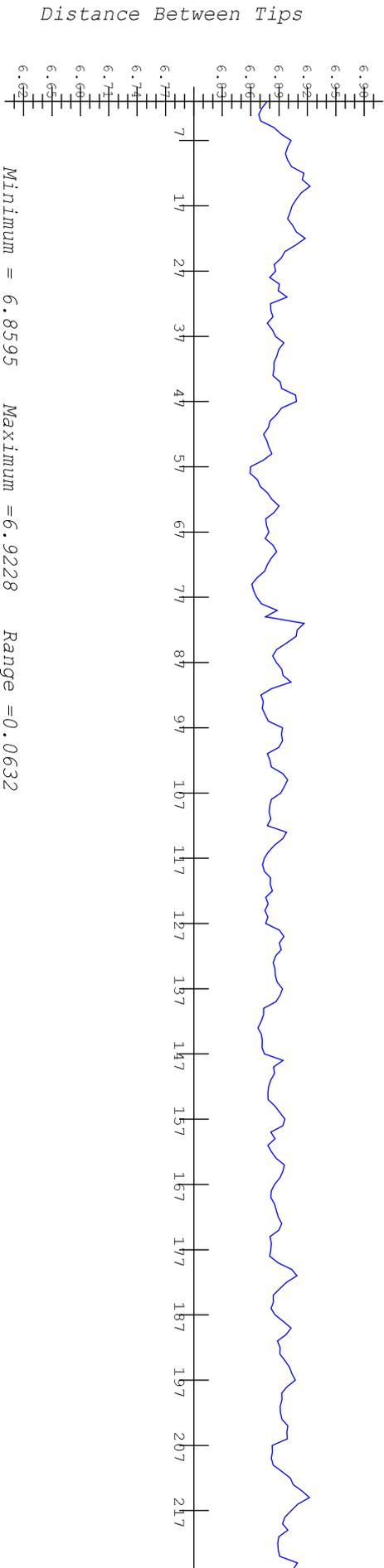
# Pole Tip Number ----->



**SLAC**  
 LCLS-MMF  
 LEITZ CMM

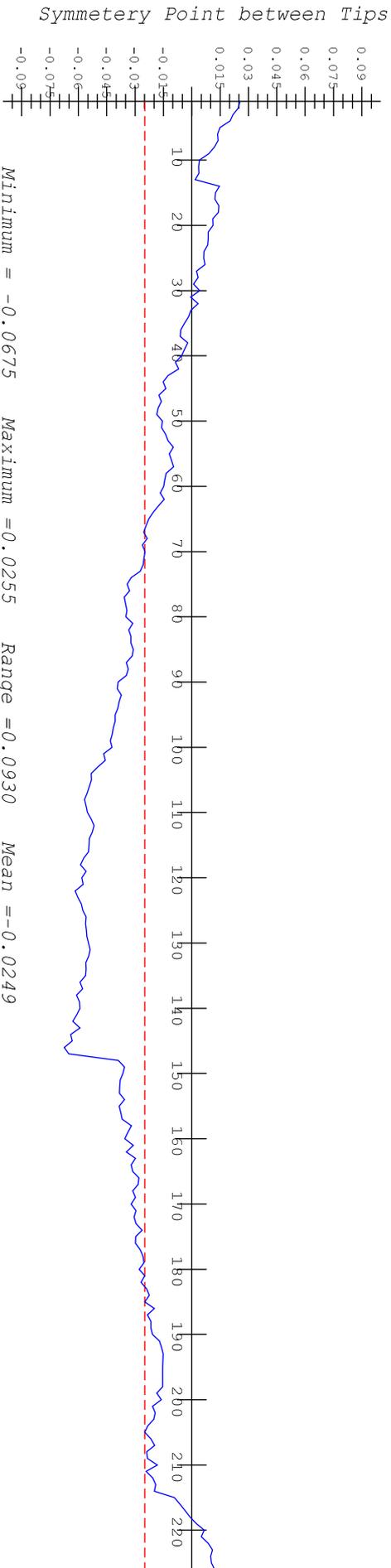
Undulator Pole Tip Location  
 Post Magnetic Alignment

DATE: 12-FEB-2008  
 UNDULATOR # 26  
 DATASET # 0001  
 PROGRAM VERSION 2.6



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  
 Distance Between Tips is the distance between the Upper and Lower Pole Tips were they intersect a YZ plane at the Magnetic C/L

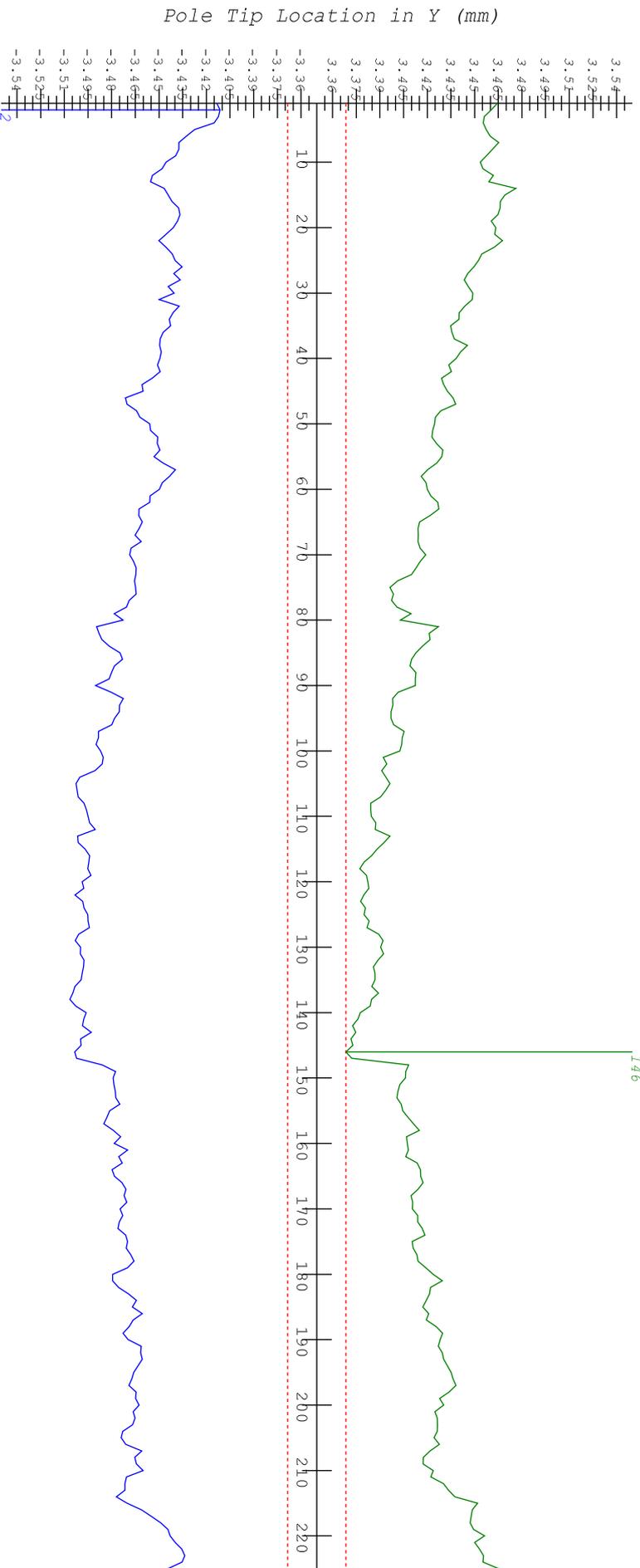
**SLAC**  
 LCLS-MMF  
 LEITZ CMM

Undulator Pole Tip Location  
 Post Magnetic Alignment

DATE: 12-FEB-2008  
 UNDUULATOR # 26  
 DATASET # 0001  
 PROGRAM VERSION 2.6

Maximum Chamber Gap = 6.7369

Minimum = 3.3685    Maximum = 3.4760    Range = 0.1076



Minimum = -3.5065    Maximum = -3.4113    Range = 0.0952

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: 12-FEB-2008  
UNDULATOR # 26  
DATASET # 0001  
PROGRAM VERSION 2.6



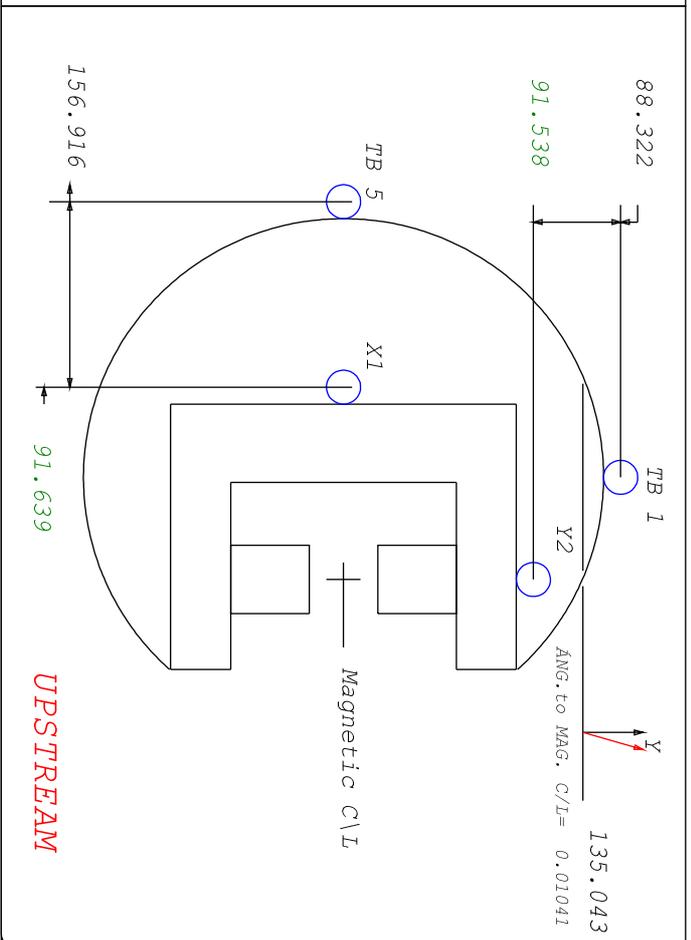
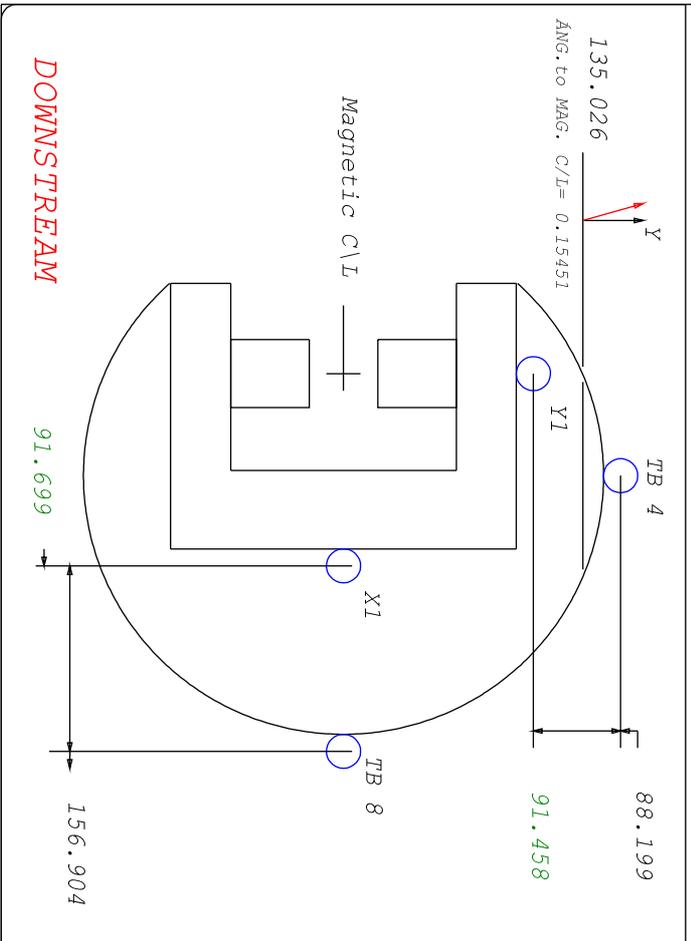
TOOLING BALL LOCATIONS

NUM.	X	Y	Z
1	0.2027	179.8600	-1558.4224
2	0.3413	179.7214	-584.7878
3	0.3999	179.7776	591.1991
4	0.33320	179.6572	1562.1300
5	248.5554	0.0589	-1558.461
6	248.6359	0.0512	-584.6890
7	248.6560	0.1675	591.2477
8	248.6031	0.1144	1562.0578

Top Magnetic Structure      C/L Offset      Length      3381.018  
 Bottom Magnetic Structure      -0.017      3381.030  
 Strongback      0.216      3400.000

Dimensions in mm

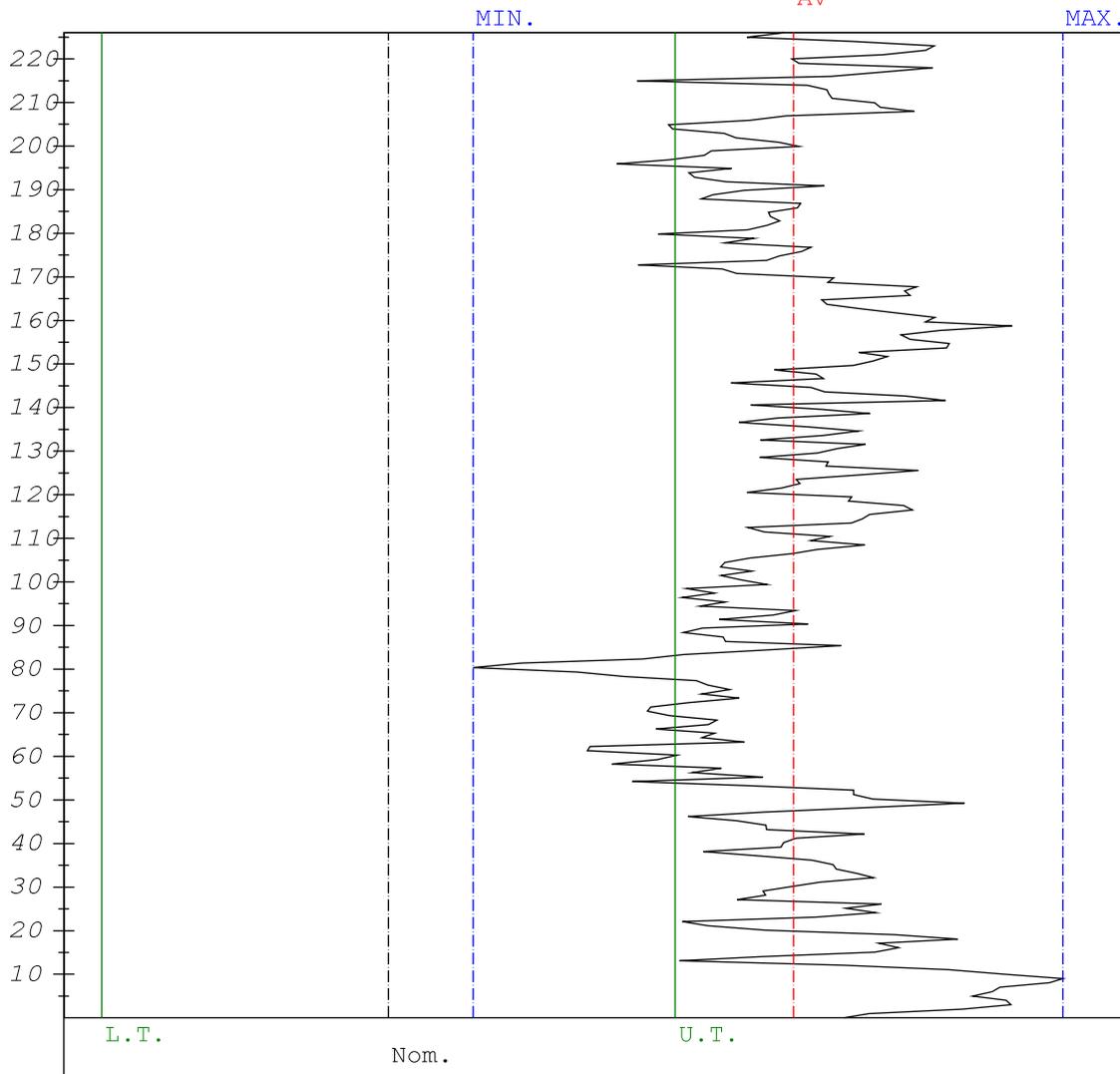
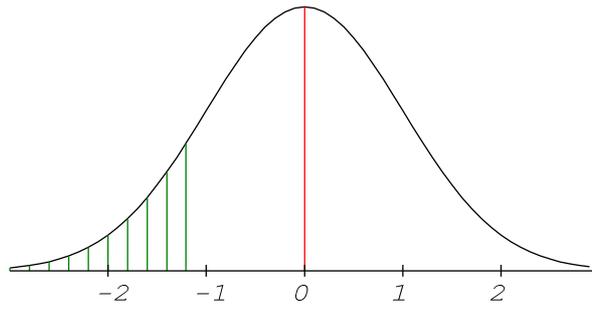
Angles in mrad



**SLAC**  
 LCLS-MMF  
 LEITZ CMM

Undulator Dimensional Fiducialization  
 Post Magnetic Alignment

DATE: 12-FEB-2008  
 UNDULATOR # 26  
 DATASET # 0001  
 PROGRAM VERSION 2.6



Nominal : 4.5000	Averag : 5.2061	Cent.-Dev. : 0.7061
Up. Tol. : 0.5	Maximum : 5.6759	U.Tol.Ex. > : 88.6 %
Low.Tol. : -0.5	Minimum : 4.6479	L.Tol.Ex. < : 0.0 %
Spl.Size : 226	Stand.-Dev.: 0.1709	In Tolerance: 11.4 %
Outlier : 0	Distribution : NOR	Dimension : mrad

**SLAC**  
LCLS-MMF  
LEITZ CMM

Statistical Evaluation  
Pole Tip Gap Angle  
Post Magnetic Alignment

DATE: 12-FEB-2008  
UNDULATOR # 26  
DATASET # 0001  
PROGRAM VERSION 2.6