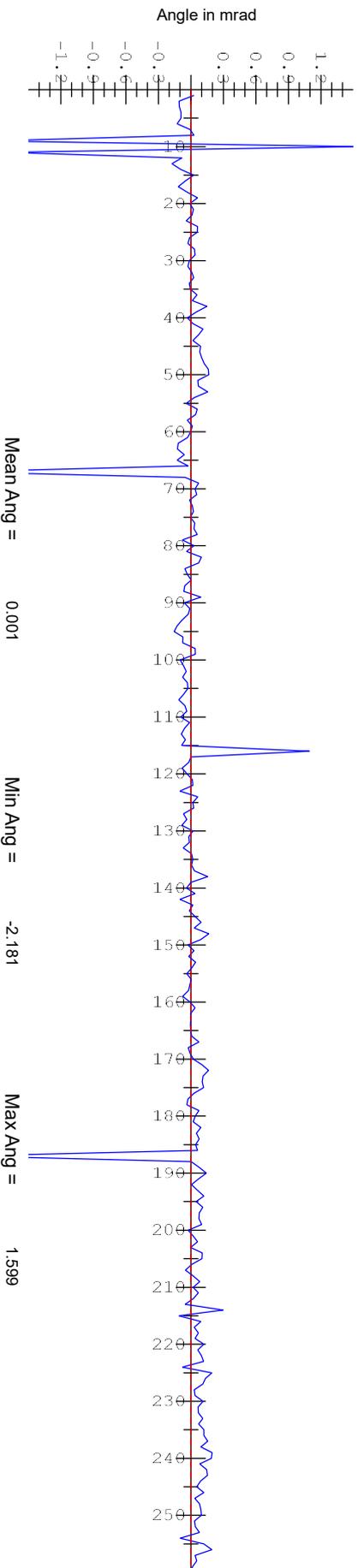


Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Tuning Gap ZX Plane



Dimensions in MM, Angles in Milliradians

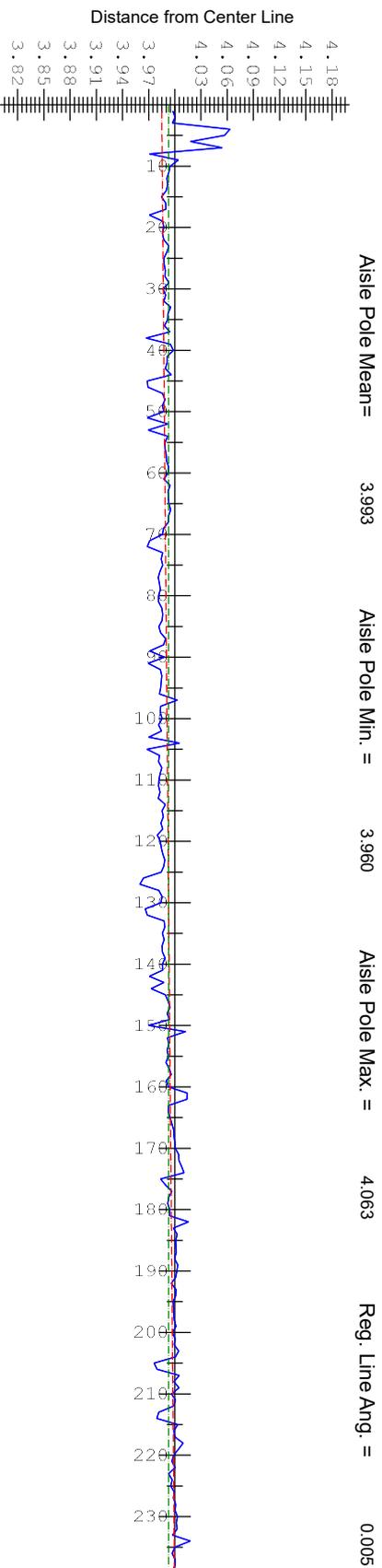


SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

HGVPV - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9995	DS Full :	8.0001
Nom. Taper :	0.000	US Wall Half :	4.0018	DS Wall Half :	4.0022
		US Aisle Half :	4.0024	DS Aisle Half :	4.0007

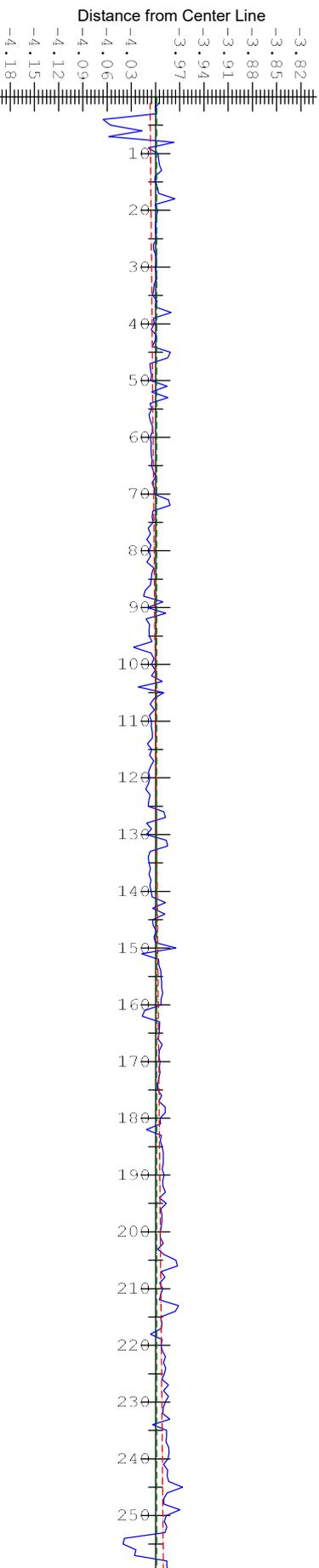
S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



Aisle Pole Tips at Nom. Beam Height

Blue = Pole Tip points
 Green = Mean line
 Red = Regression line thru points

Minimum Clearance Gap = 7.920



Wall Pole Tips at Nom. Beam Height

Dimensions in MM, Angles in Milliradians

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	8.000	US Full :	7.9995	DS Full :	8.0001
Nom. Taper :	0.000	US Wall Half :	4.0018	DS Wall Half :	4.0022
		US Aisle Half :	4.0024	DS Aisle Half :	4.0007

S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Values Calculated from Regression Line End Points

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	3.985	0.000	8.750	
US Wall Pole Tip(1)	-4.007	0.000	8.750	
US Sym. Pt.	-0.011			
US Gap				7.992
DS Aisle Pole Tip(260)	4.001	0.000	3375.750	
DS Wall Pole Tip(260)	-3.990	0.000	3375.750	
DS Sym. Pt.	0.005			
DS Gap				7.991
Taper				-0.001

Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

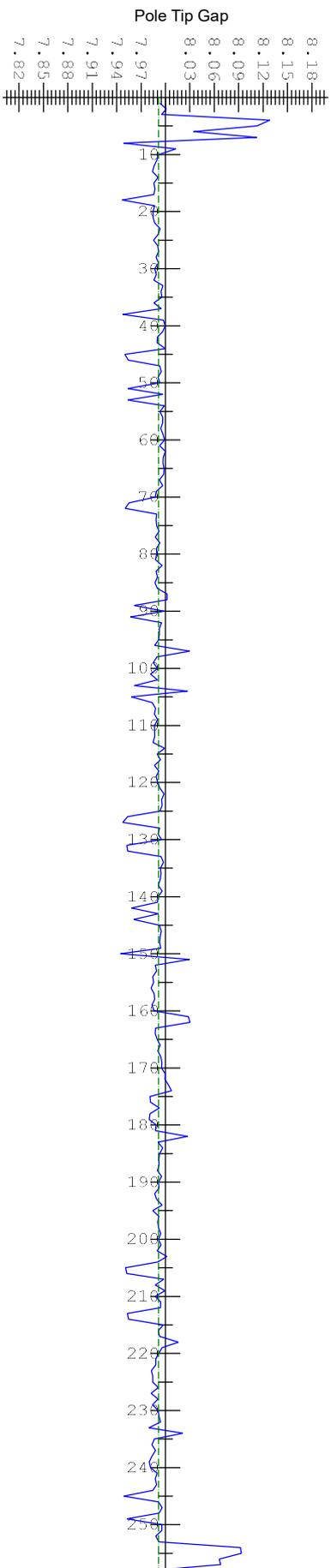
Nominal Gap :	8.000	US Full :	7.9995	DS Full :	8.0001
Nom. Taper :	0.000	US Wall Half :	4.0018	DS Wall Half :	4.0022
		US Aisle Half :	4.0024	DS Aisle Half :	4.0007

S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Gap Mean = 7.991

Gap Min. = 7.945

Gap Max. = 8.128

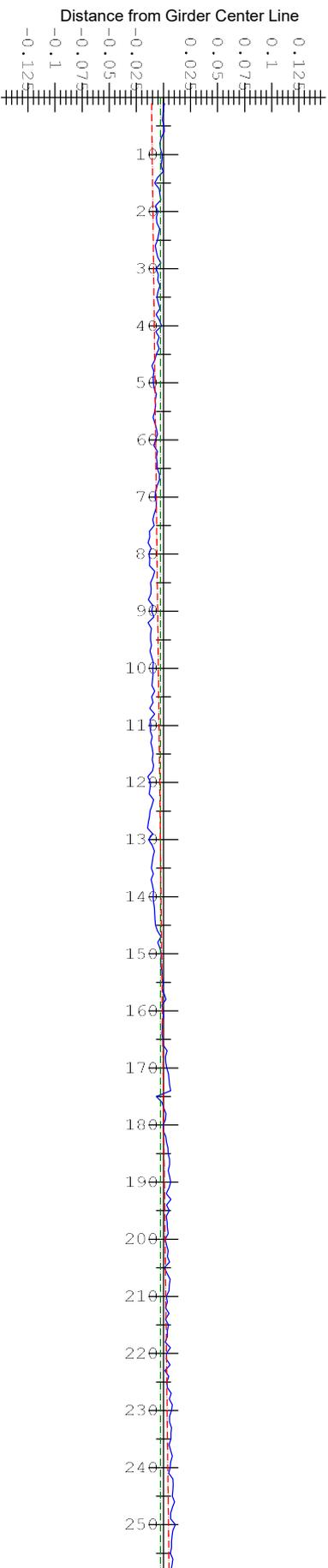


Pole Tip Gap at Nom. Beam Height

Blue = Pole Tip points
 Green = Mean line
 Red = Regression line thru points

Pole Tip Num. ----->

Pole Tip Symmetry Point at Nom. Beam Height



Sym. Mean =

-0.003

Sym. Min. =

-0.015

Sym. Max. =

0.011

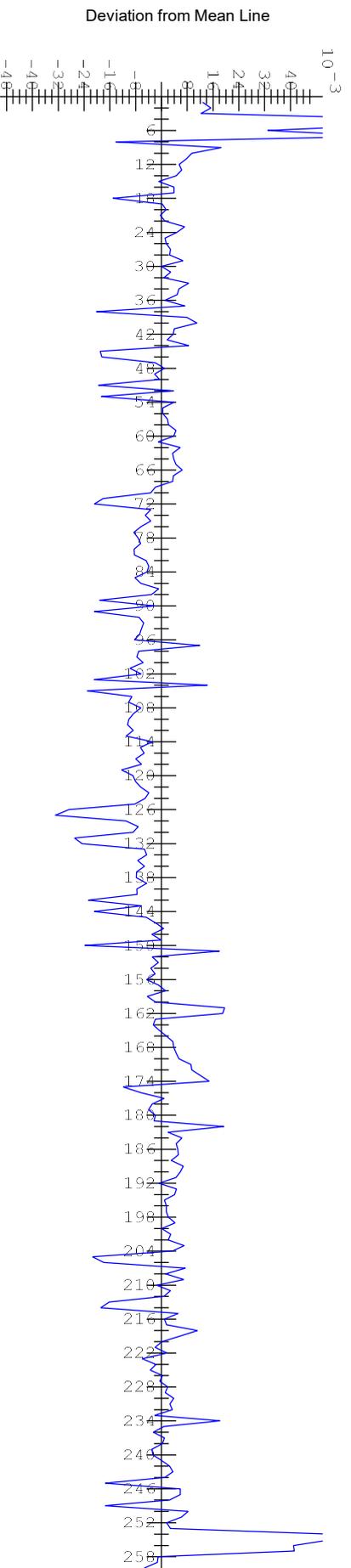
Reg. Line Ang. =

0.005

Girder centerline in reference to Pointed Magnets

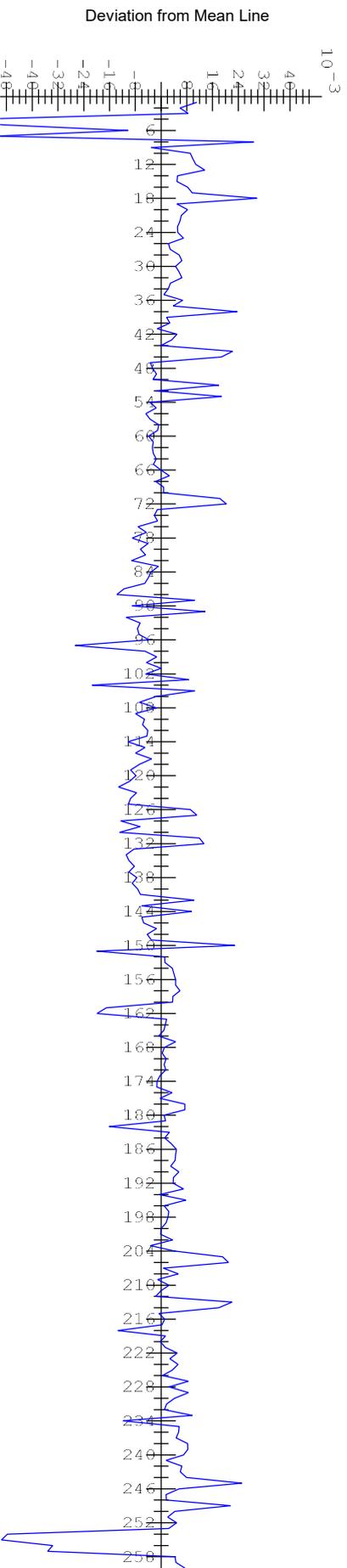
Dimensions in MM, Angles in Milliradians

		<h2>HGVPU - Pole Tip Gap and Symmetry Point Location</h2>	
Nominal Gap :	8.000	US Full :	7.9995
Nom. Taper :	0.000	US Wall Half :	4.0018
		US Aisle Half :	4.0024
		DS Full :	8.0001
		DS Wall Half :	4.0022
		DS Aisle Half :	4.0007
S/N	: HXU_011	Date	: 01-JUL-2020
Data Set	: 0001	Run	: FINAL
Cam Pos.	: B		



Aisle Pole Tips

Wall Pole Tips



Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM



SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	8.000	US Full :	7.9995	DS Full :	8.0001
Nom. Taper :	0.000	US Wall Half :	4.0018	DS Wall Half :	4.0022
		US Aisle Half :	4.0024	DS Aisle Half :	4.0007

S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B