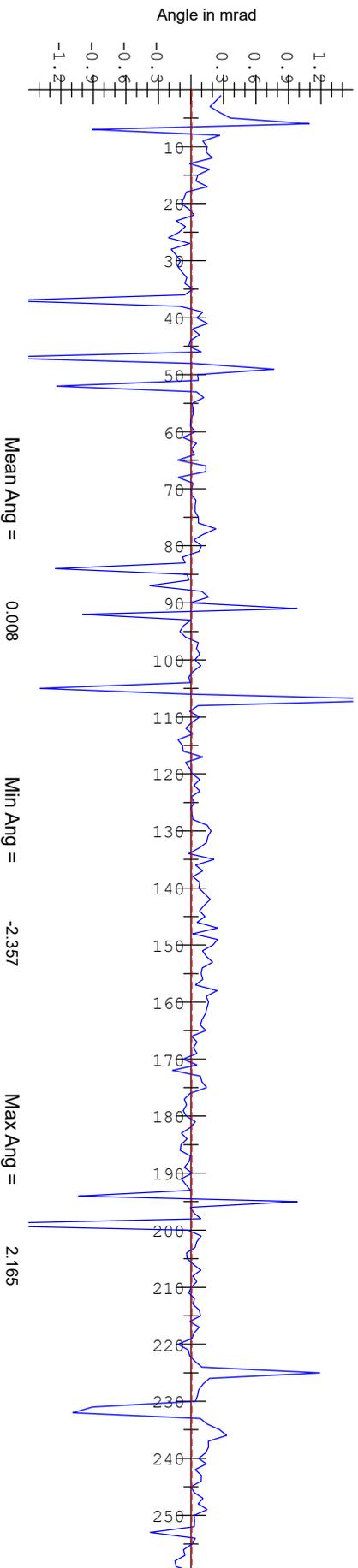


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

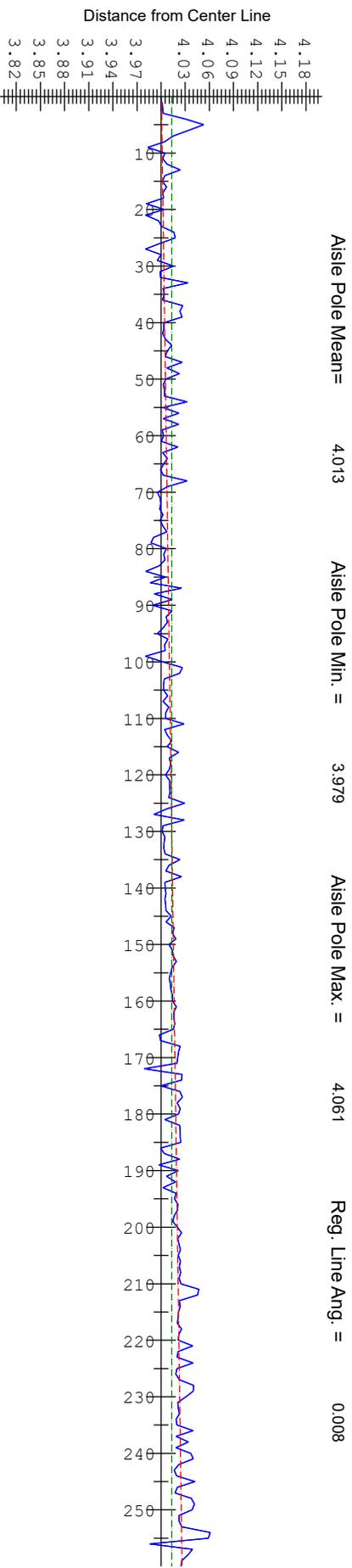


**NATIONAL ACCELERATOR LABORATORY
METROLOGY**

HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9993	DS Full :	8.0001
Nom. Taper :	0.000	US Wall Half :	4.0006	DS Wall Half :	3.9980
		US Aisle Half :	4.0016	DS Aisle Half :	3.9981

S/N	: HXU 015
Date	: 05-NOV-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

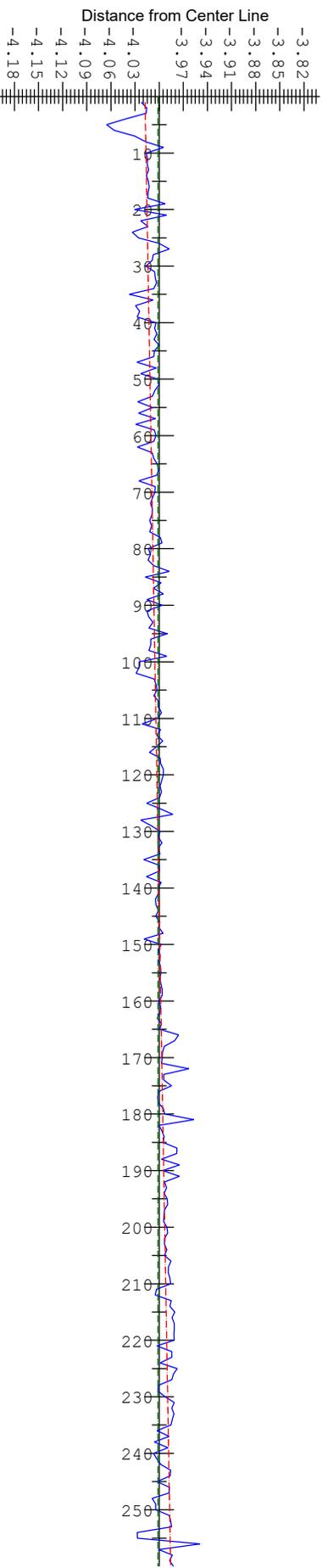


Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 7.898



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap : 8.000 US Full : 7.9993 DS Full : 8.0001
US Wall Half : 4.0006 DS Wall Half : 3.9980
Nom. Taper : 0.000 US Aisle Half : 4.0016 DS Aisle Half : 3.9981

S/N : **HXU 015**
Date : **05-NOV-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)	4.001	0.000	8.750	
US Wall Pole Tip(1)	-4.018	0.000	8.750	
US Sym. Pt.	-0.008			
US Gap				8.018
DS Aisle Pole Tip(260)	4.026	0.000	3375.750	
DS Wall Pole Tip(260)	-3.986	0.000	3375.750	
DS Sym. Pt.	0.020			
DS Gap				8.012
Taper				-0.006

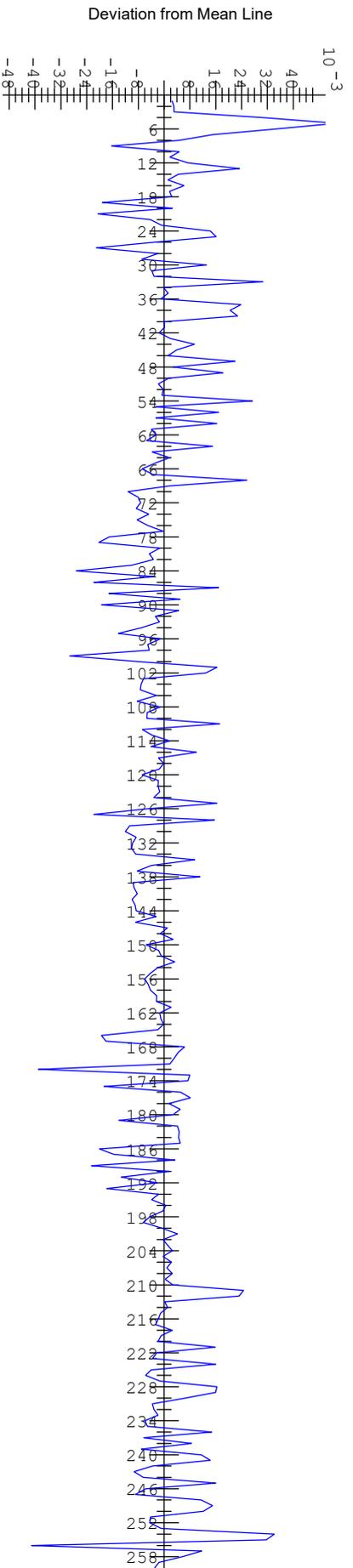
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

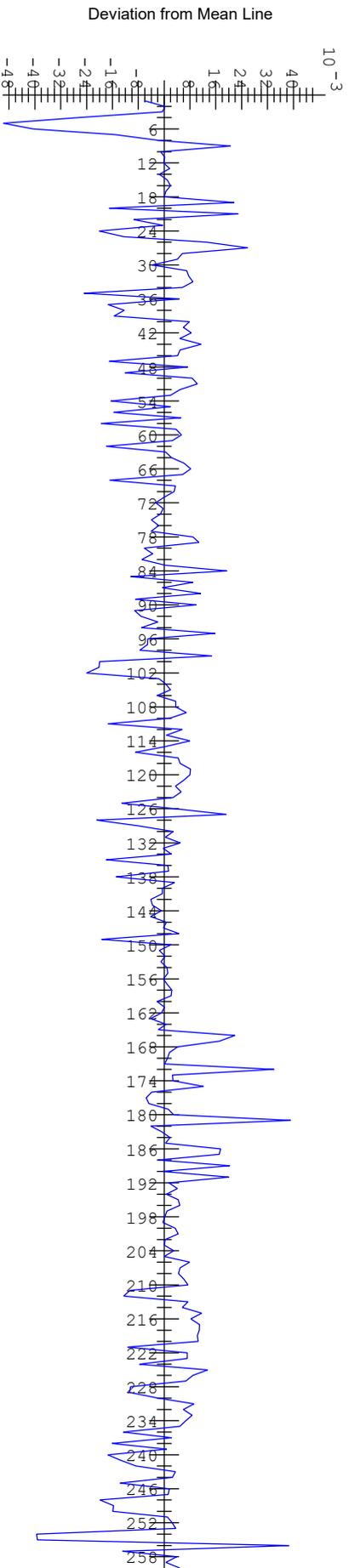
Nominal Gap :	8.000	US Full :	7.9993	DS Full :	8.0001
Nom. Taper :	0.000	US Wall Half :	4.0006	DS Wall Half :	3.9980
		US Aisle Half :	4.0016	DS Aisle Half :	3.9981

S/N	: HXU 015
Date	: 05-NOV-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



HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	8.000	US Full :	7.9993	DS Full :	8.0001
Nom. Taper :	0.000	US Wall Half :	4.0006	DS Wall Half :	3.9980
		US Aisle Half :	4.0016	DS Aisle Half :	3.9981

S/N	: HXU 015
Date	: 05-NOV-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B