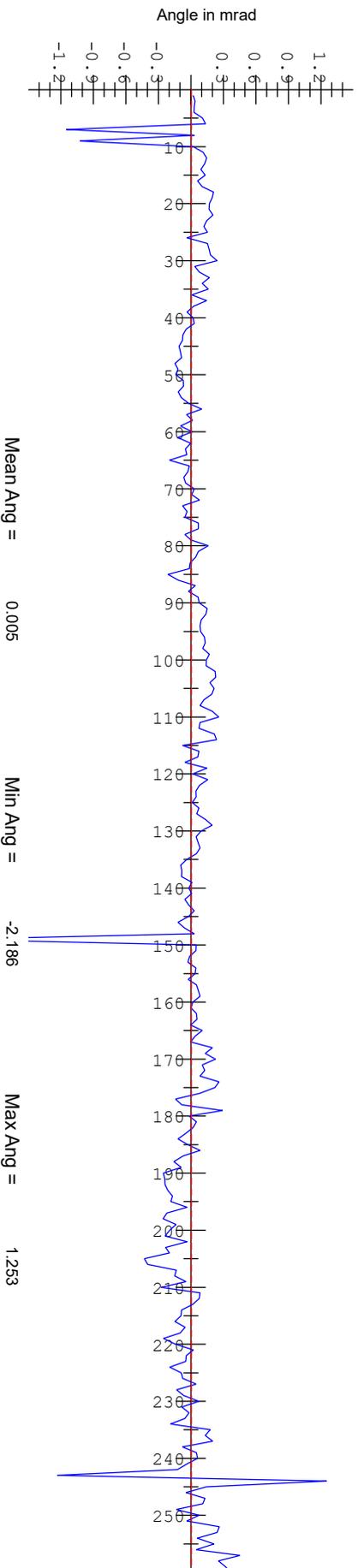


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



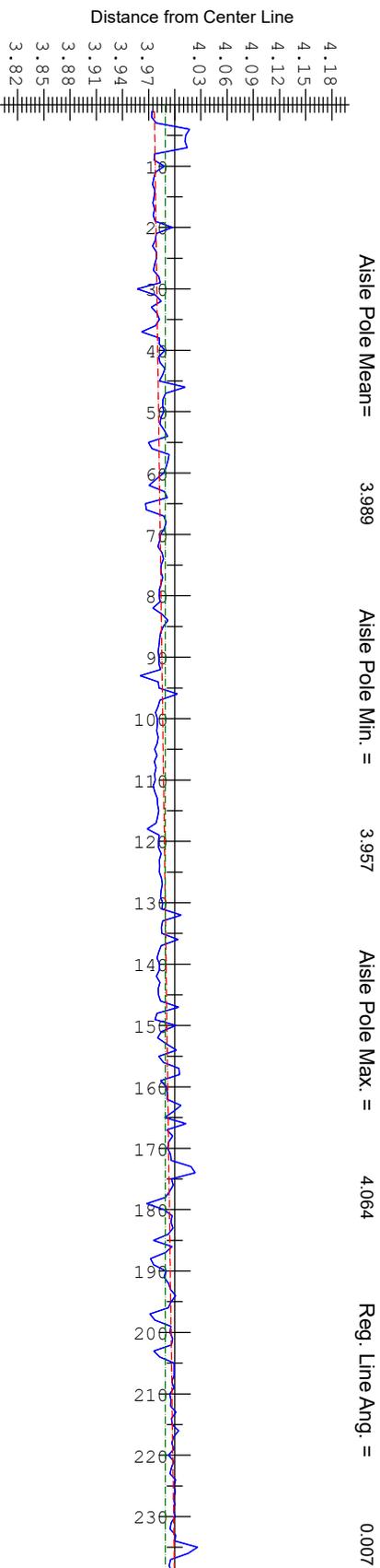
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	7.9999
Nom. Taper :	0.000	US Wall Half :	4.0020	DS Wall Half :	4.0020
		US Aisle Half :	4.0024	DS Aisle Half :	4.0017

S/N	: HXU 013
Date	: 29-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

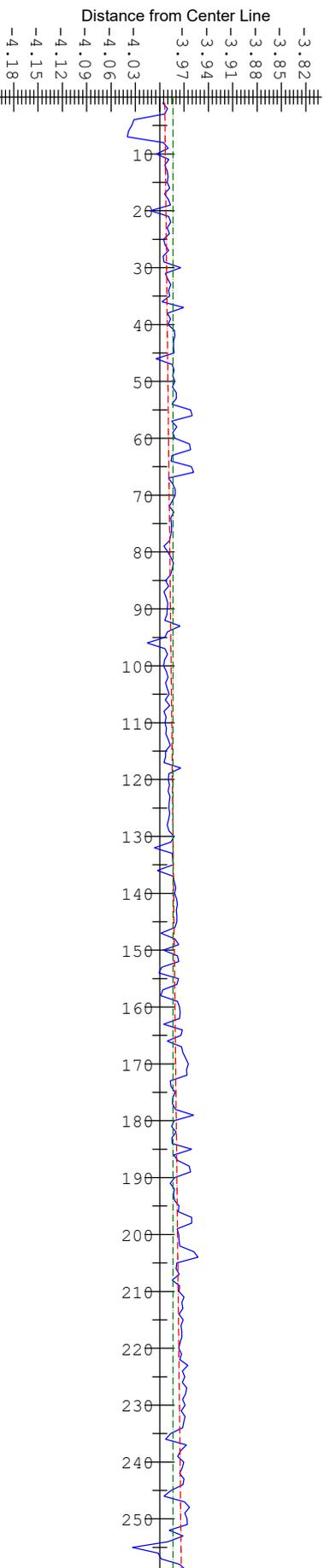


Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

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

Minimum Clearance Gap = 7.906



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 : 7.9996 DS Full : 7.9999

Nom. Taper : 0.000 US Wall Half : 4.0020 DS Wall Half : 4.0020

US Aisle Half : 4.0024 DS Aisle Half : 4.0017

S/N : HXU_013

Date : 29-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)	3.977	0.000	8.750	
US Wall Pole Tip(1)	-3.994	0.000	8.750	
US Sym. Pt.	-0.009			
US Gap				7.970
DS Aisle Pole Tip(260)	4.002	0.000	3375.750	
DS Wall Pole Tip(260)	-3.973	0.000	3375.750	
DS Sym. Pt.	0.014			
DS Gap				7.975
Taper				0.004

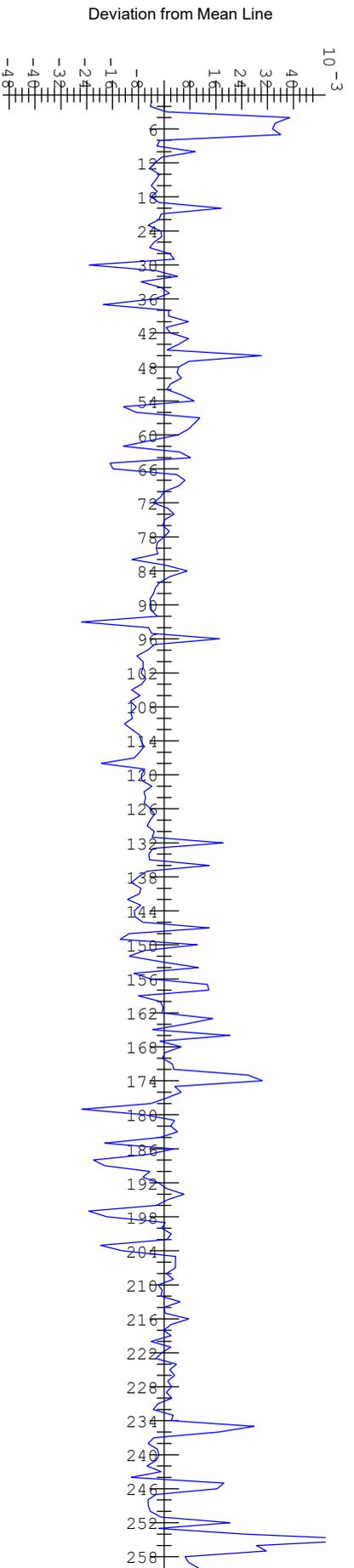
Dimensions in MM



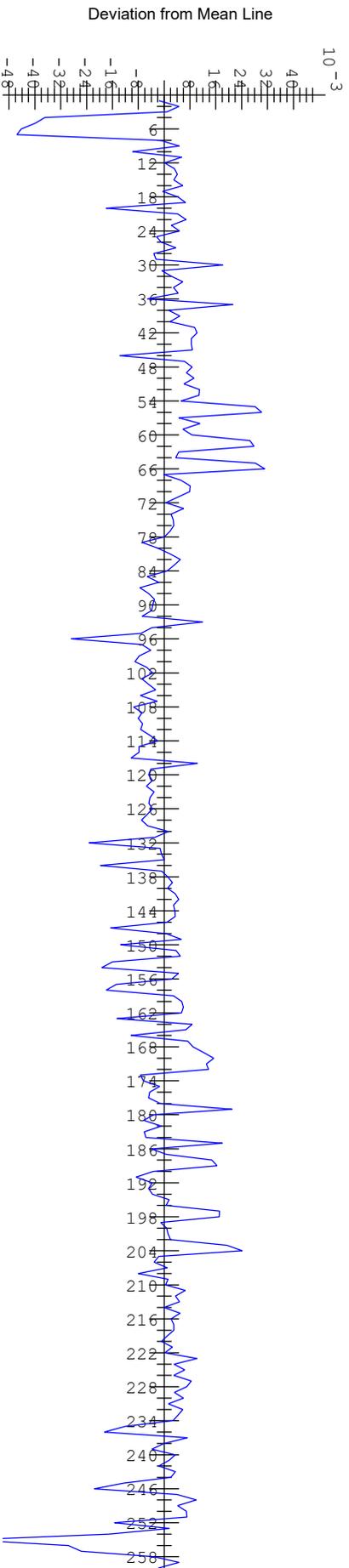
HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	7.9999
US Wall Half :	4.0020	US Wall Half :	4.0020	DS Wall Half :	4.0020
US Aisle Half :	4.0024	US Aisle Half :	4.0024	DS Aisle Half :	4.0017
Nom. Taper :	0.000				

S/N	: HXU_013
Date	: 29-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



HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	7.9999
Nom. Taper :	0.000	US Wall Half :	4.0020	DS Wall Half :	4.0020
		US Aisle Half :	4.0024	DS Aisle Half :	4.0017

S/N	: HXU 013
Date	: 29-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B