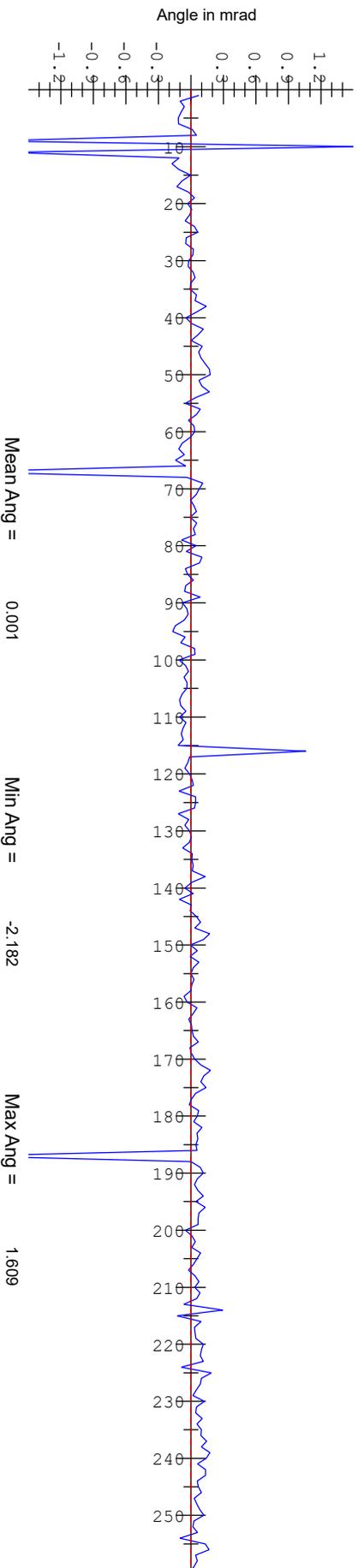


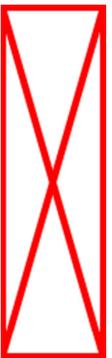
Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

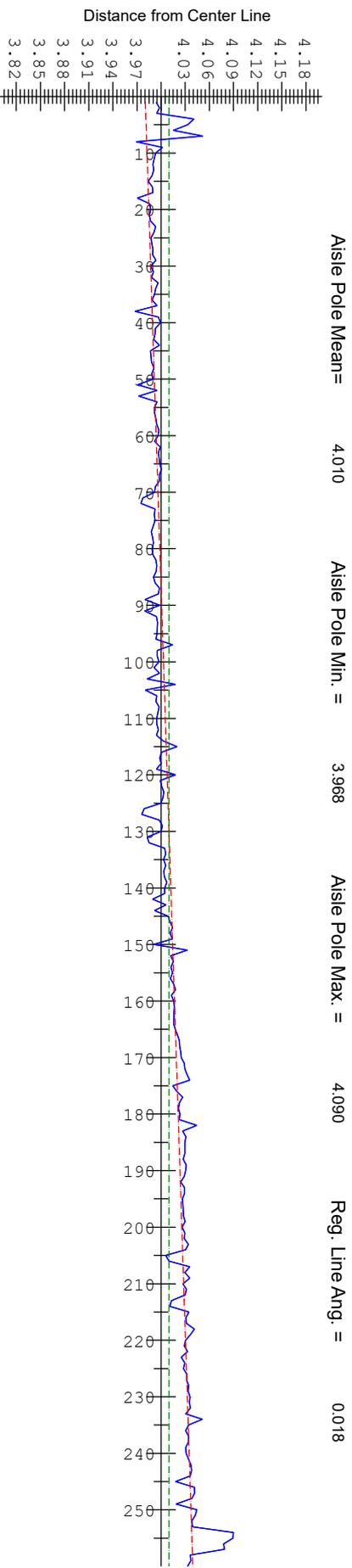


METROLOGY

HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0002	DS Full :	8.0996
US Wall Half :	4.0014	US Wall Half :	4.0014	DS Wall Half :	4.0503
Nom. Taper :	0.100	US Aisle Half :	4.0027	DS Aisle Half :	4.0513

S/N	: HXU 011
Date	: 26-OCT-2021
Data Set	: 0004
Run	: FINAL
Cam Pos.	: B



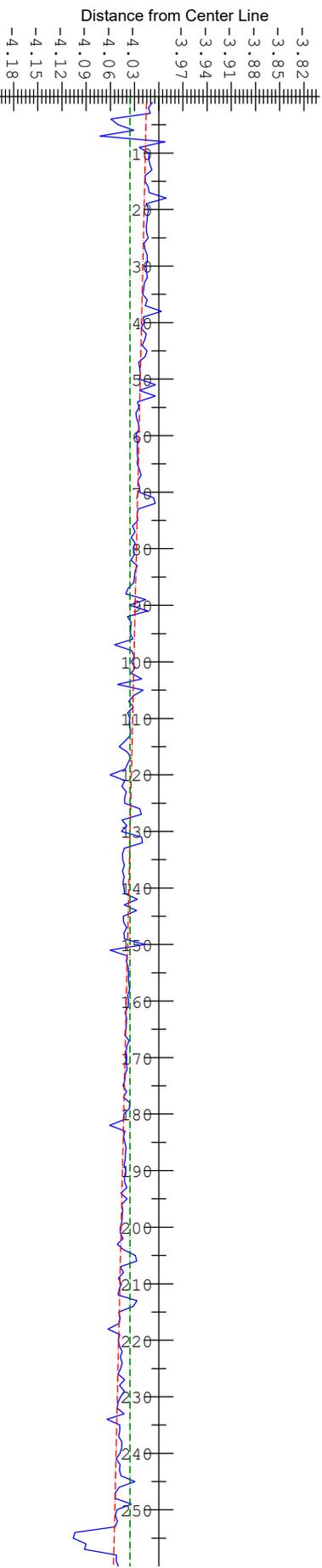
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

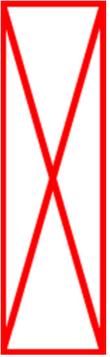
Minimum Clearance Gap = 7.935

Wall Pole Tips at Nom. Beam Height



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



METROLOGY

HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	8.000	US Full :	8.0002	DS Full :	8.0996
Nom. Taper :	0.100	US Wall Half :	4.0014	DS Wall Half :	4.0503
		US Aisle Half :	4.0027	DS Aisle Half :	4.0513

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Values Calculated from Regression Line End Points

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	3.980	0.000	8.750	
US Wall Pole Tip(1)	-4.015	0.000	8.750	
US Sym. Pt.	-0.017			
US Gap				7.996
DS Aisle Pole Tip(260)	4.039	0.000	3375.750	
DS Wall Pole Tip(260)	-4.056	0.000	3375.750	
DS Sym. Pt.	-0.008			
DS Gap				8.095
Taper				0.100

Dimensions in MM

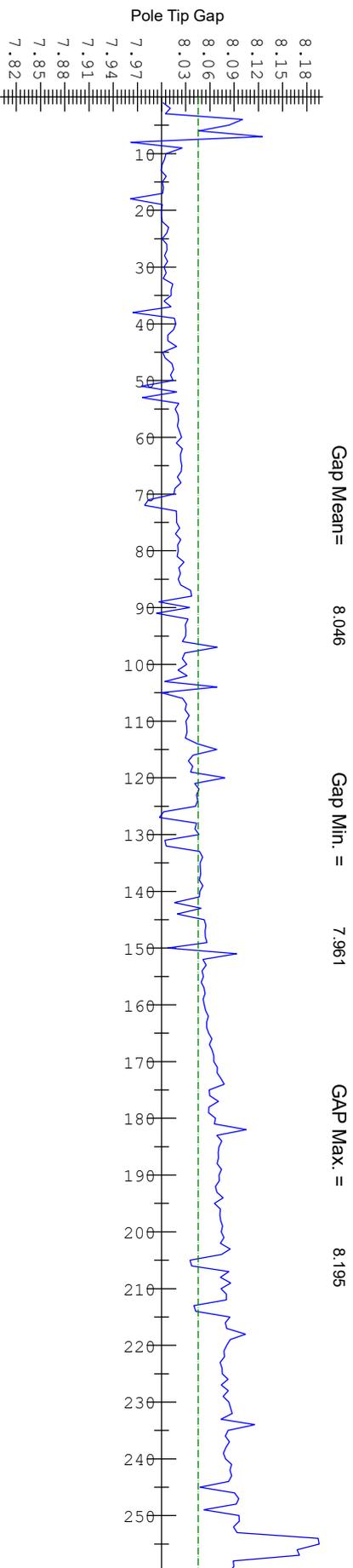
HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0002	DS Full :	8.0996
US Wall Half :	4.0014	DS Wall Half :	4.0503		
US Aisle Half :	4.0027	DS Aisle Half :	4.0513		
Norm. Taper :	0.100				



METROLOGY

S/N	: HXU_011
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Cam Pos.	: B

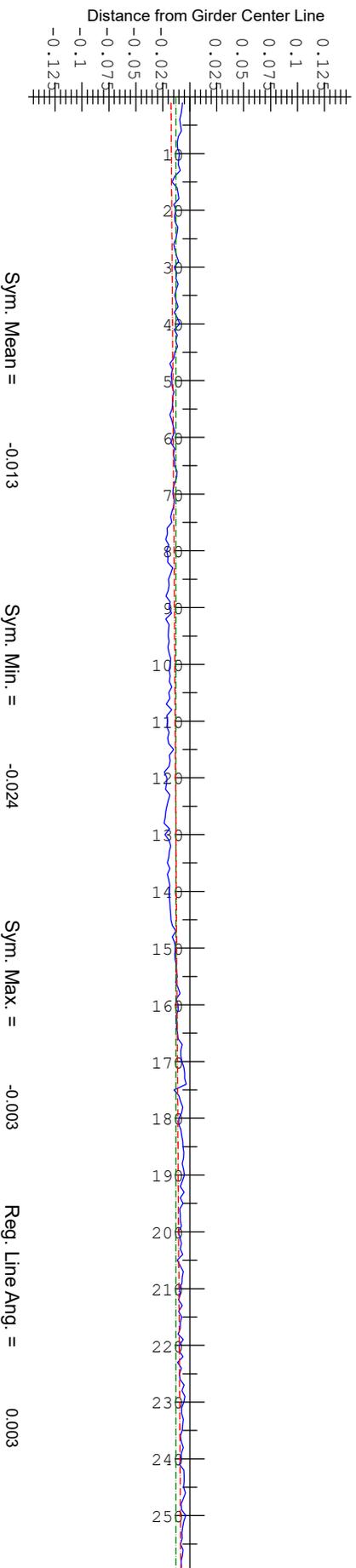


Pole Tip Gap at Nom. Beam Height

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

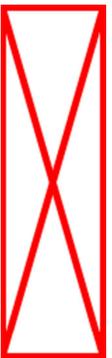
Pole Tip Num. ----->

Pole Tip Symmetry Point at Nom. Beam Height



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

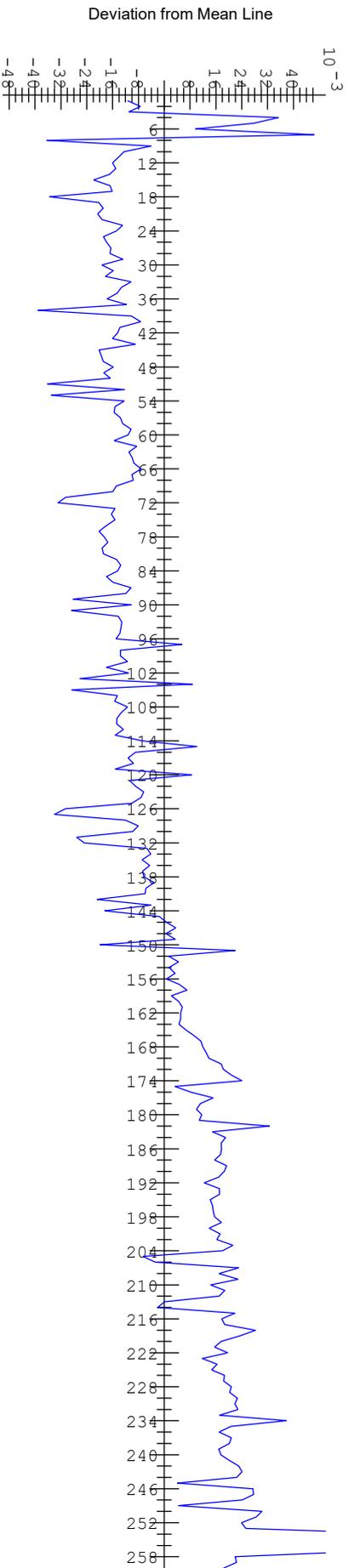


HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	8.0002	DS Full :	8.0996
US Wall Half :	4.0014	US Aisle Half :	4.0027	DS Wall Half :	4.0503
Nom. Taper :	0.100	DS Aisle Half :	4.0513		

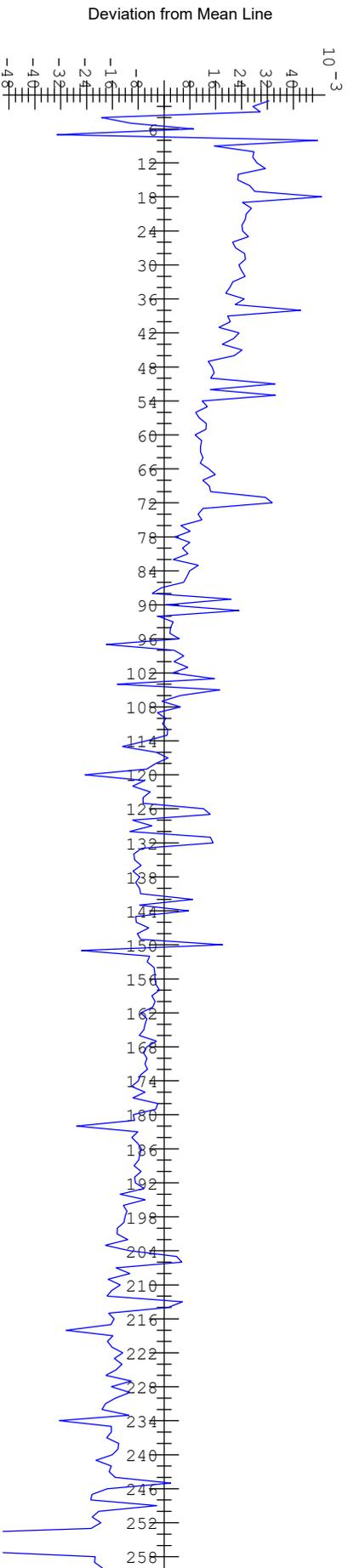
METROLOGY

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Data Set	: 0004
Run	: FINAL
Cam Pos.	: B



Aisle Pole Tips

Wall Pole Tips



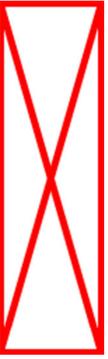
Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM

HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	8.000	US Full :	8.0002	DS Full :	8.0996
Nom. Taper :	0.100	US Wall Half :	4.0014	DS Wall Half :	4.0503
		US Aisle Half :	4.0027	DS Aisle Half :	4.0513

METROLOGY



S/N	: HXU_011
Date	: 26-OCT-2021
Data Set	: 0004
Run	: FINAL
Cam Pos.	: B