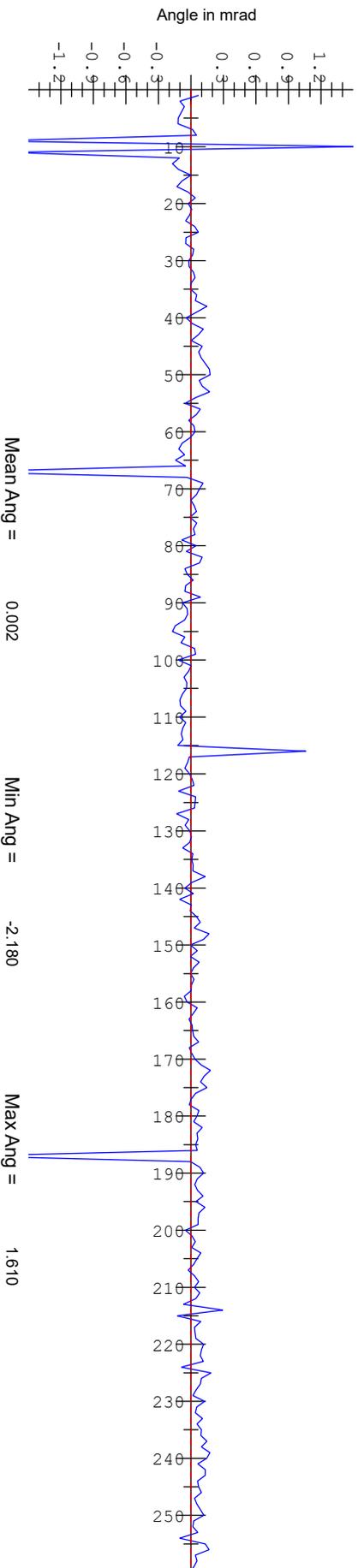


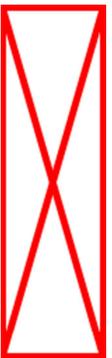
Included Angle Between Pole Tips

Pole Tip Num. ----->

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



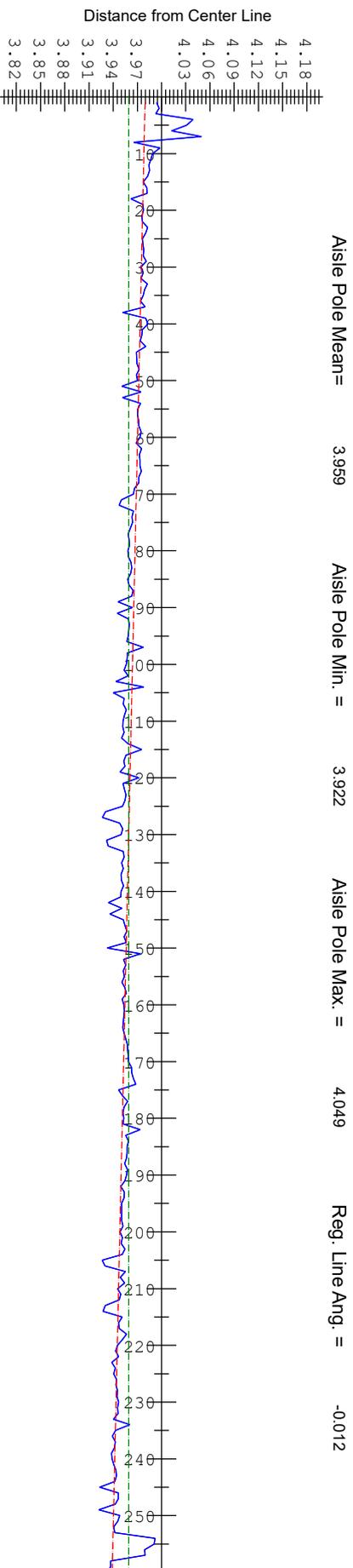
Dimensions in MM, Angles in Milliradians



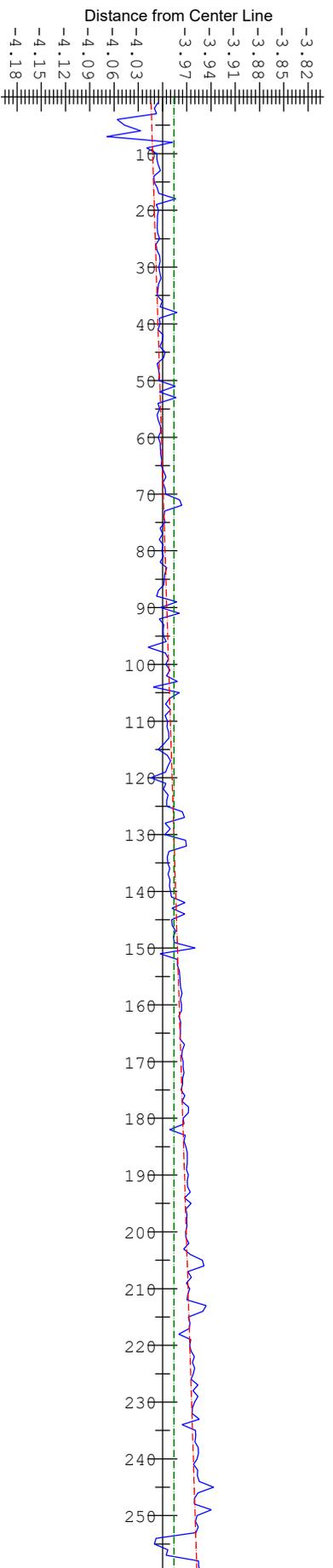
METROLOGY

HGVPU - Pole Tip Angles

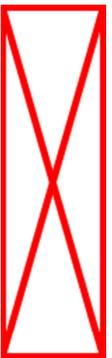
Nominal Gap :	8.000	US Full :	7.9999	DS Full :	7.8998	S/N :	HXU_011
Nom. Taper :	-0.100	US Wall Half :	4.0004	DS Wall Half :	3.9539	Date :	26-OCT-2021
		US Aisle Half :	4.0028	DS Aisle Half :	3.9502	Data Set :	0004
						Run :	FINAL
						Cam Pos. :	B



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 = 7.845



Wall Pole Tips at Nom. Beam Height
 Dimensions in MM, Angles in Milliradians



METROLOGY

HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	8.000	US Full :	7.9999	DS Full :	7.8998
US Wall Half :	4.0004	US Aisle Half :	4.0028	DS Wall Half :	3.9539
Nom. Taper :	-0.100	DS Aisle Half :	3.9502		

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

Values Calculated from Regression Line End Points

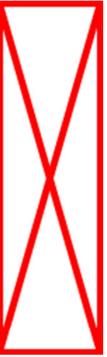
Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	3.980	0.000	8.750	
US Wall Pole Tip(1)	-4.014	0.000	8.750	
US Sym. Pt.	-0.017			
US Gap				7.994
DS Aisle Pole Tip(260)	3.939	0.000	3375.750	
DS Wall Pole Tip(260)	-3.957	0.000	3375.750	
DS Sym. Pt.	-0.009			
DS Gap				7.896
Taper				-0.097

Dimensions in MM

HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	7.9999	DS Full :	7.8998
US Wall Half :	4.0004	DS Wall Half :	3.9539		
US Aisle Half :	4.0028	DS Aisle Half :	3.9502		
Norm. Taper :	-0.100				

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

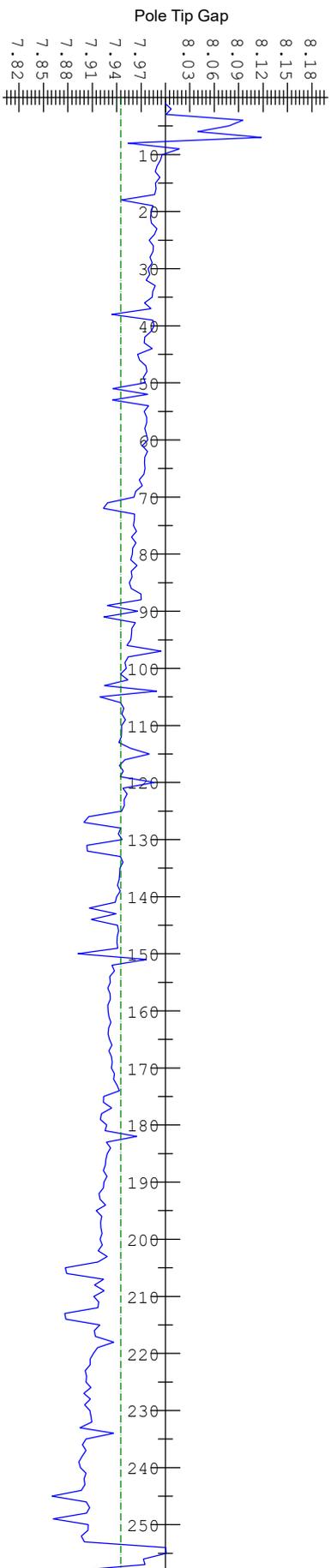


METROLOGY

Gap Mean = 7.945

Gap Min. = 7.860

Gap Max. = 8.118

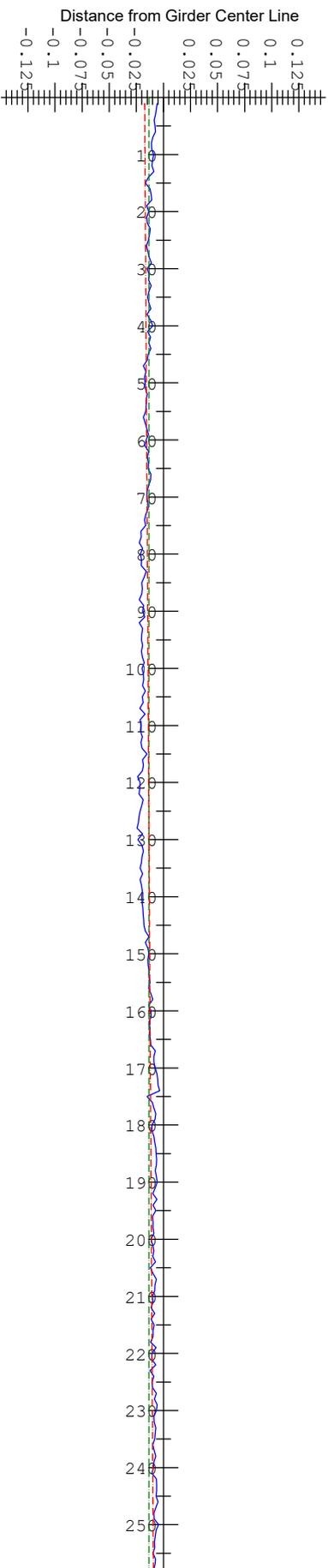


Pole Tip Gap at Nom. Beam Height

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 =

-0.013

Sym. Min. =

-0.024

Sym. Max. =

-0.004

Reg. Line Ang. =

0.002

Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

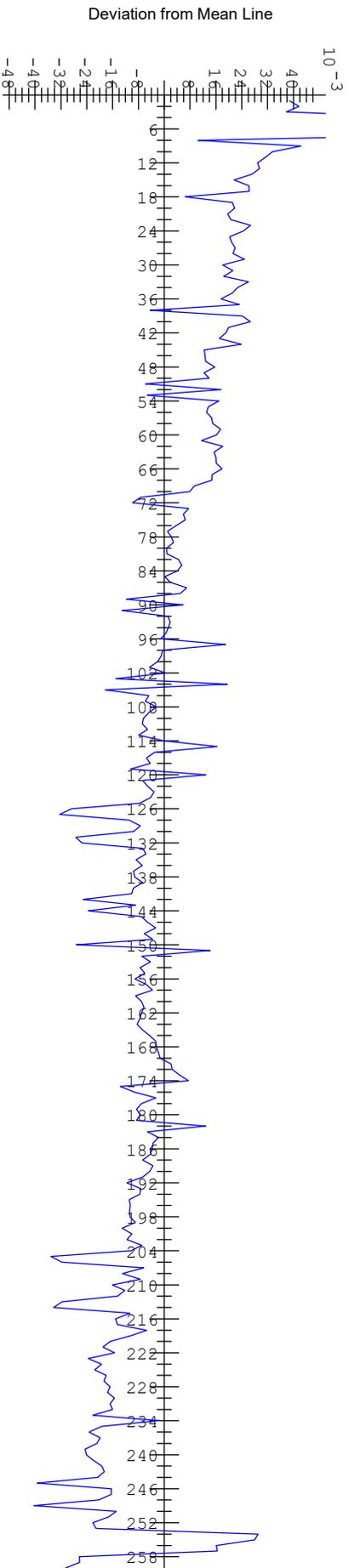


HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	7.9999	DS Full :	7.8998
US Wall Half :	4.0004	DS Wall Half :	3.9539		
Nom. Taper :	-0.100	US Aisle Half :	4.0028	DS Aisle Half :	3.9502

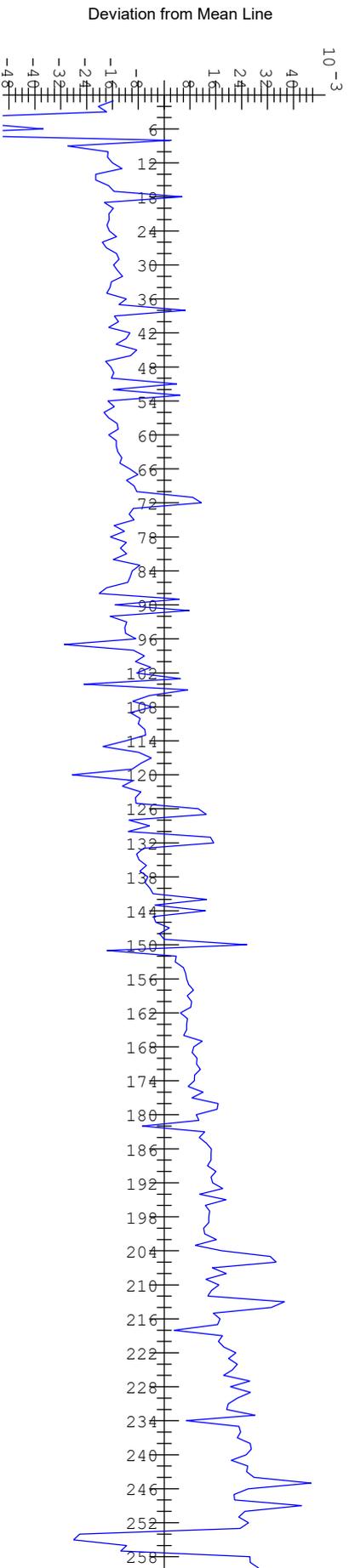
METROLOGY

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



Aisle Pole Tips

Pole Tip Num. ----->



Wall Pole Tips

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

Dimensions in MM



METROLOGY

HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	8.000	US Full :	7.9999	DS Full :	7.8998
Nom. Taper :	-0.100	US Wall Half :	4.0004	DS Wall Half :	3.9539
		US Aisle Half :	4.0028	DS Aisle Half :	3.9502

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