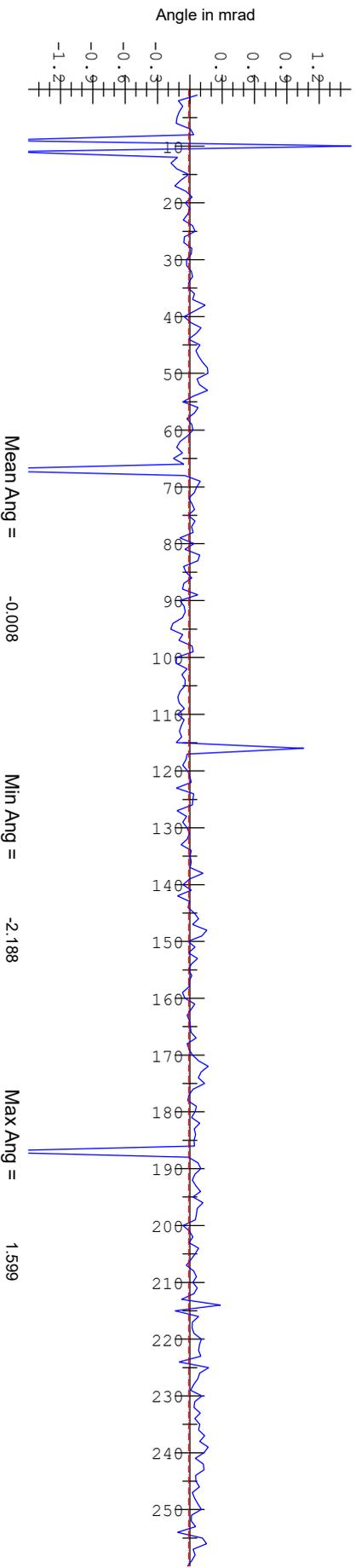


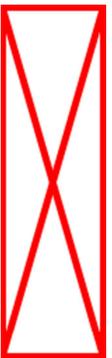
Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

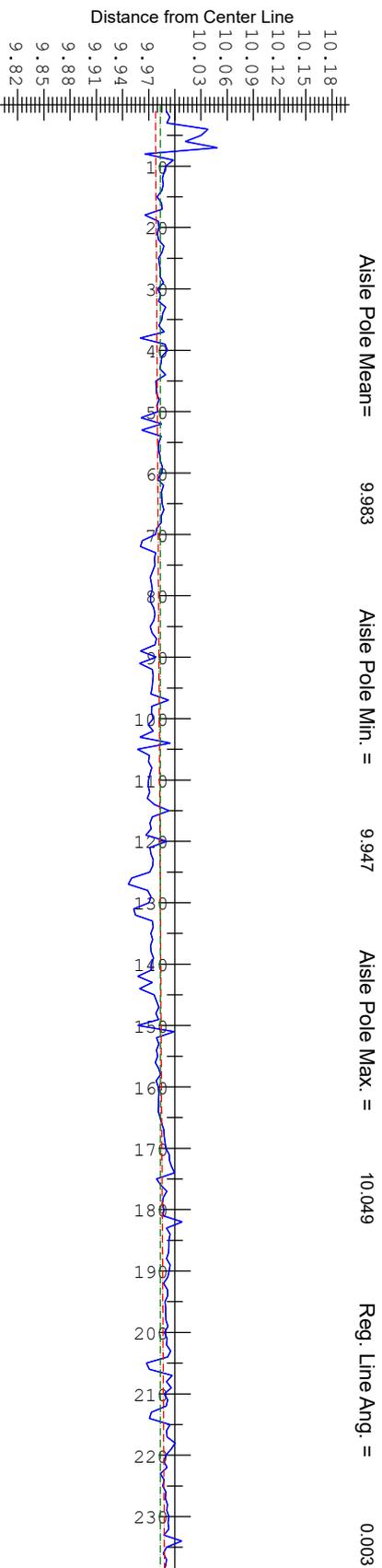


METROLOGY

HGVPU - Pole Tip Angles

Nominal Gap :	20.000	US Full :	20.0002	DS Full :	20.0002
Nom. Taper :	0.000	US Wall Half :	9.9940	DS Wall Half :	9.9926
		US Aisle Half :	9.9924	DS Aisle Half :	9.9938

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

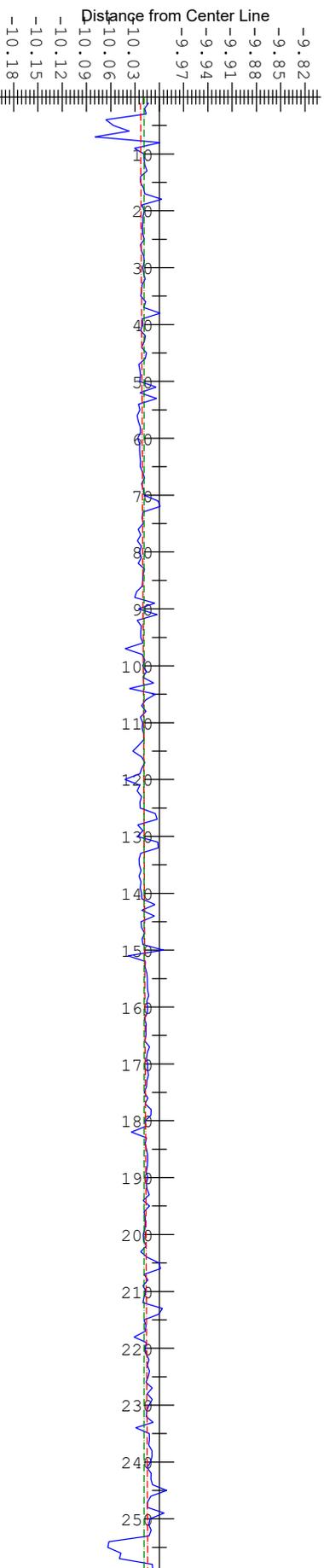


Aisle Pole Tips at Nom. Beam Height

Wall Pole Tips at Nom. Beam Height

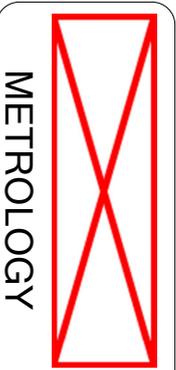
Blue = Pole Tip points
 Green = Mean line
 Red = Regression line thru points

Minimum Clearance Gap = 19.894



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



METROLOGY

HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	20.000	US Full :	20.0002	DS Full :	20.0002
		US Wall Half :	9.9940	DS Wall Half :	9.9926
Nom. Taper :	0.000	US Aisle Half :	9.9924	DS Aisle Half :	9.9938

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

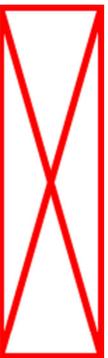
Values Calculated from Regression Line End Points

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	9.978	0.000	8.750	
US Wall Pole Tip(1)	-10.023	0.000	8.750	
US Sym. Pt.	-0.023			
US Gap				20.001
DS Aisle Pole Tip(260)	9.989	0.000	3375.750	
DS Wall Pole Tip(260)	-10.014	0.000	3375.750	
DS Sym. Pt.	-0.013			
DS Gap				20.003
Taper				0.002

Dimensions in MM

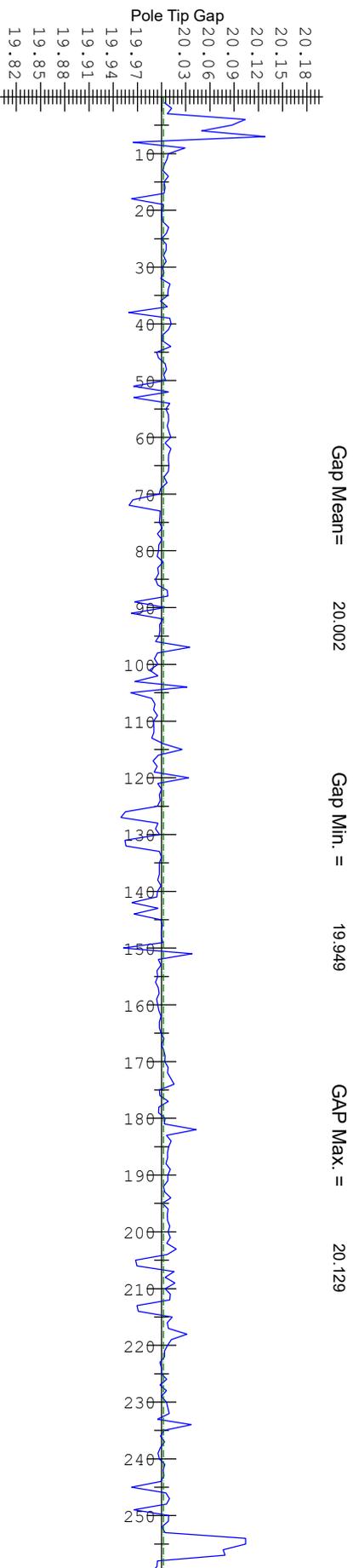
HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap : 20.000 US Full : 20.0002 DS Full : 20.0002
 US Wall Half : 9.9940 DS Wall Half : 9.9926
 Norm. Taper : 0.000 US Aisle Half : 9.9924 DS Aisle Half : 9.9938



METROLOGY

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

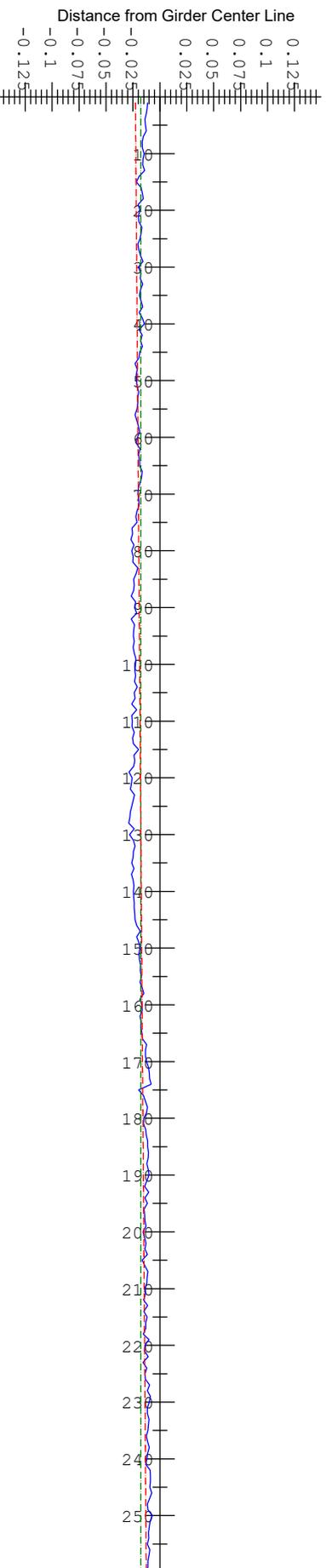


Pole Tip Gap at Nom. Beam Height

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

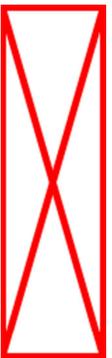
Pole Tip Num. ----->

Pole Tip Symmetry Point at Nom. Beam Height



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

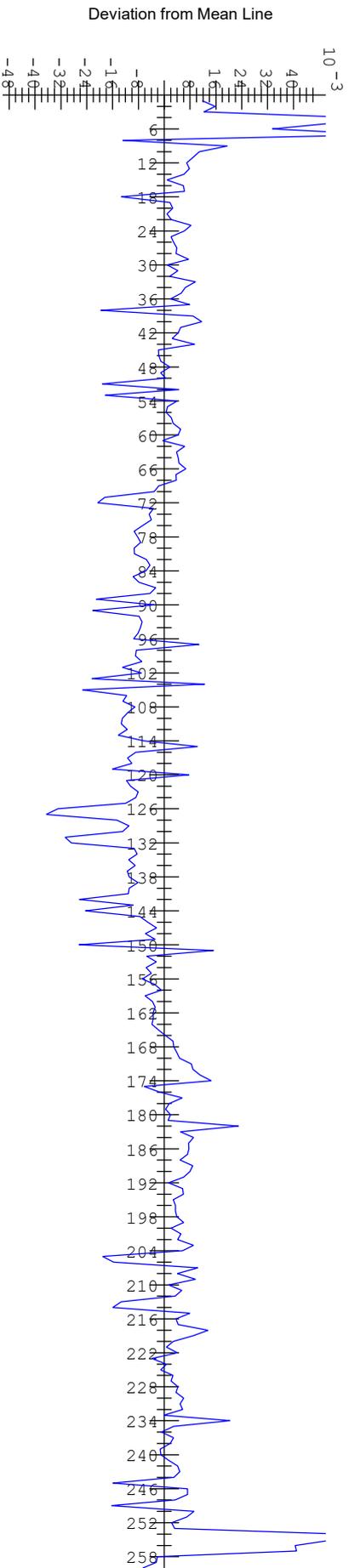


METROLOGY

HGVPU - Pole Tip Gap and Symmetry Point Location

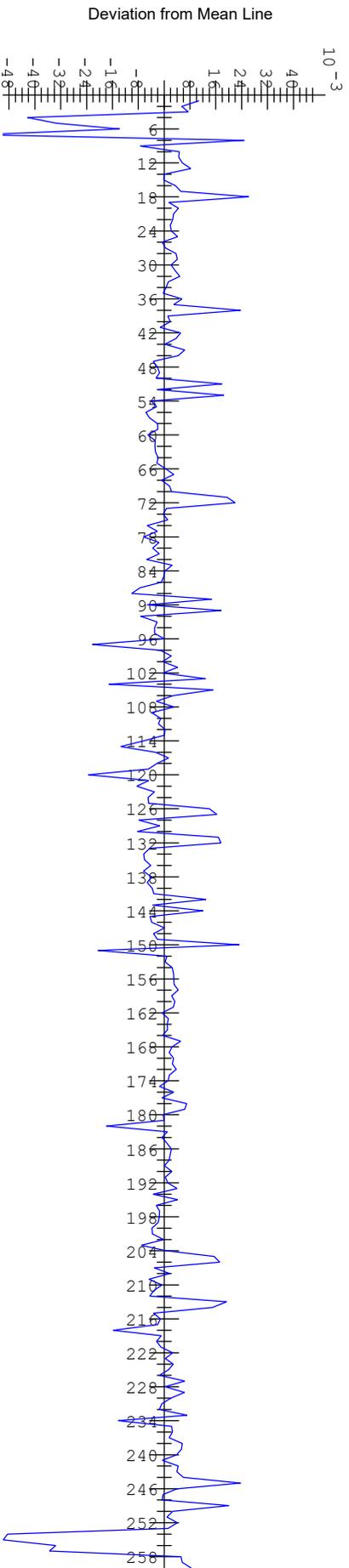
Nominal Gap :	20.000	US Full :	20.0002	DS Full :	20.0002
US Wall Half :	9.9940	US Wall Half :	9.9940	DS Wall Half :	9.9926
Nom. Taper :	0.000	US Aisle Half :	9.9924	DS Aisle Half :	9.9938

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



Aisle Pole Tips

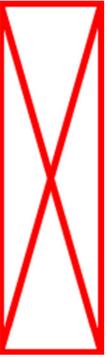
Pole Tip Num. ----->



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 :	20.000	US Full :	20.0002	DS Full :	20.0002
Nom. Taper :	0.000	US Wall Half :	9.9940	DS Wall Half :	9.9926
		US Aisle Half :	9.9924	DS Aisle Half :	9.9938

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