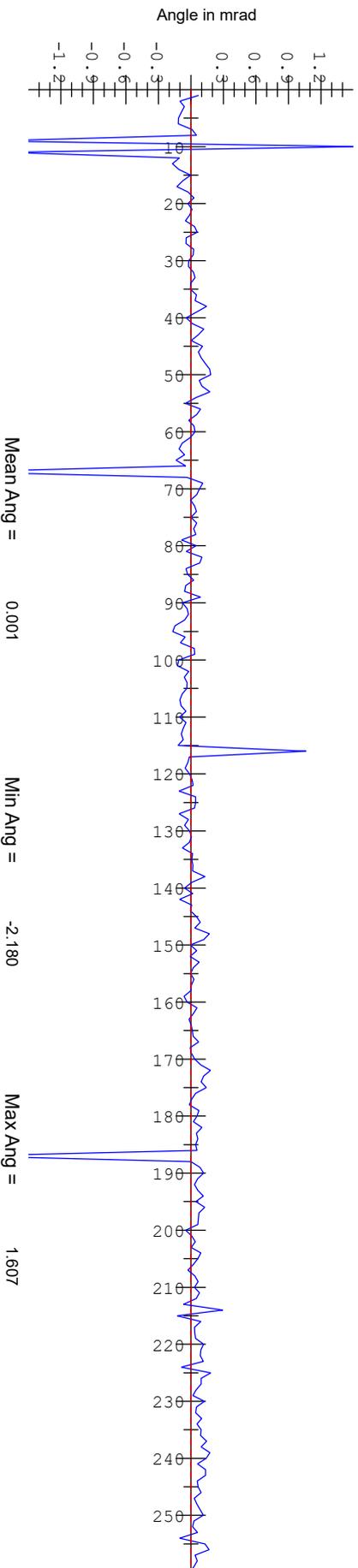


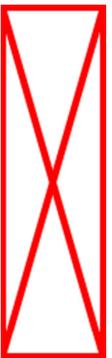
Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

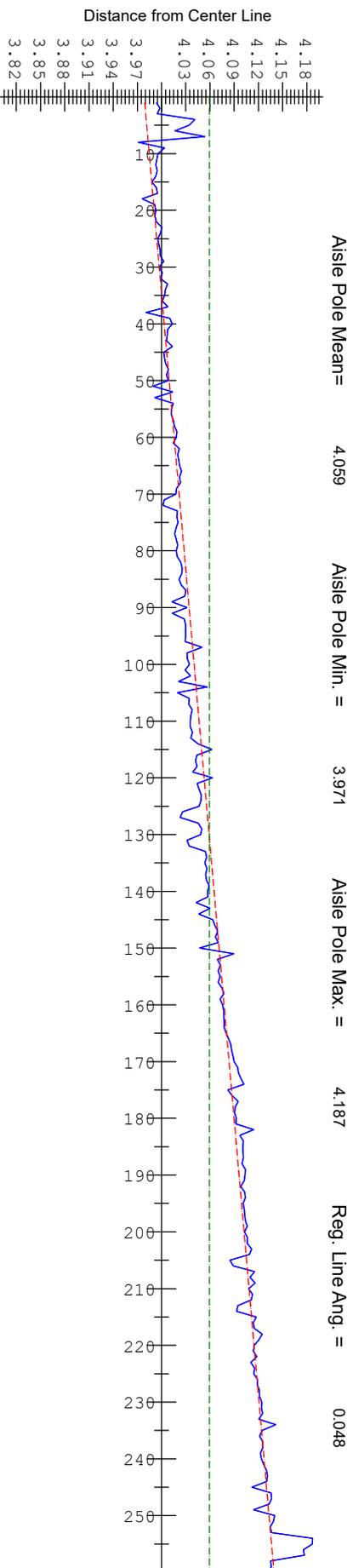


METROLOGY

HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0001	DS Full :	8.3000
Nom. Taper :	0.300	US Wall Half :	4.0020	DS Wall Half :	4.1498
		US Aisle Half :	4.0026	DS Aisle Half :	4.1508

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



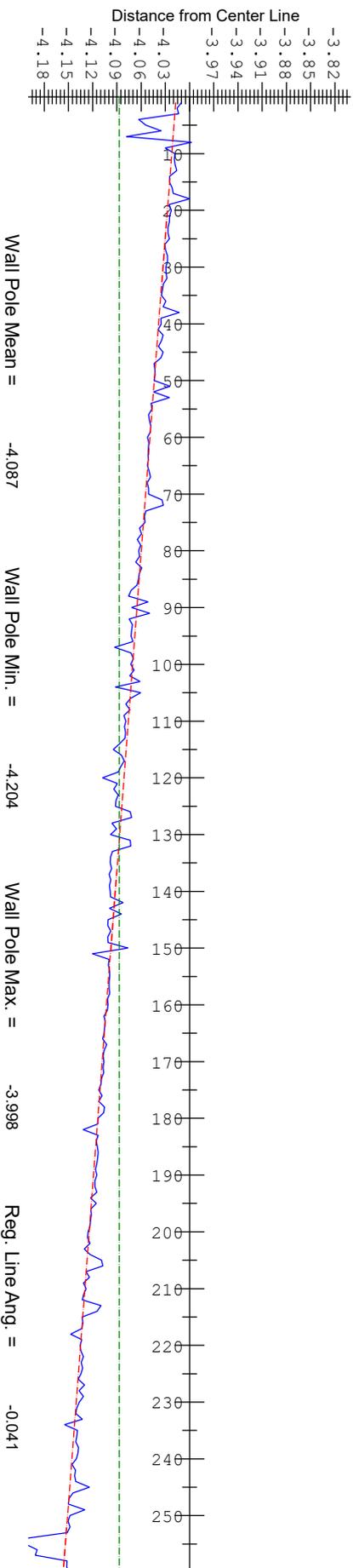
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

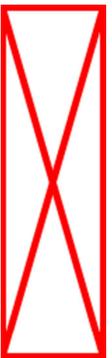
Minimum Clearance Gap = 7.942

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 : 8.0001	DS Full : 8.3000
Nom. Taper : 0.300	US Wall Half : 4.0020	DS Wall Half : 4.1498
	US Aisle Half : 4.0026	DS Aisle Half : 4.1508

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)	3.979	0.000	8.750	
US Wall Pole Tip(1)	-4.017	0.000	8.750	
US Sym. Pt.	-0.019			
US Gap				7.996
DS Aisle Pole Tip(260)	4.139	0.000	3375.750	
DS Wall Pole Tip(260)	-4.157	0.000	3375.750	
DS Sym. Pt.	-0.009			
DS Gap				8.296
Taper				0.299

Dimensions in MM

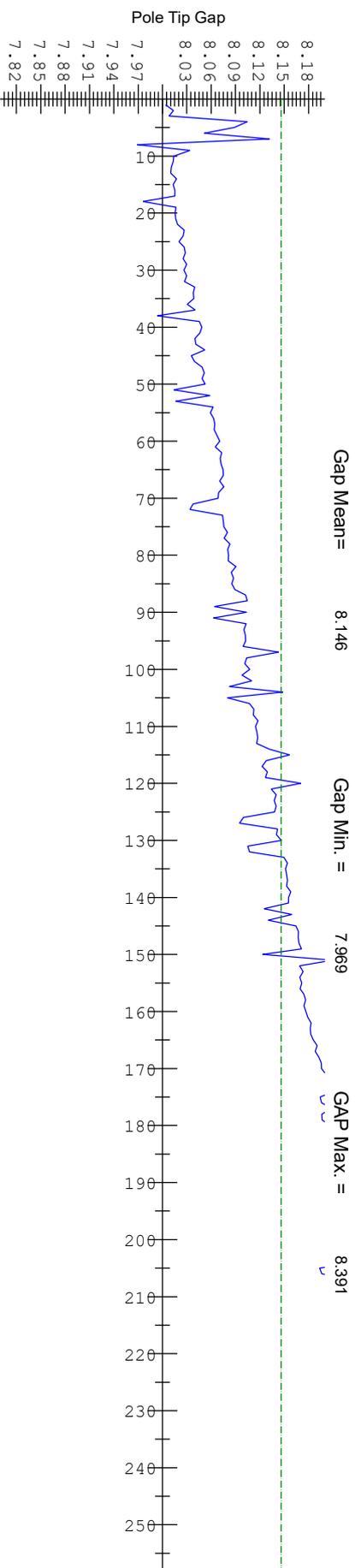
HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0001	DS Full :	8.3000
US Wall Half :	4.0020	DS Wall Half :	4.1498		
US Aisle Half :	4.0026	DS Aisle Half :	4.1508		
Nom. Taper :	0.300				

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

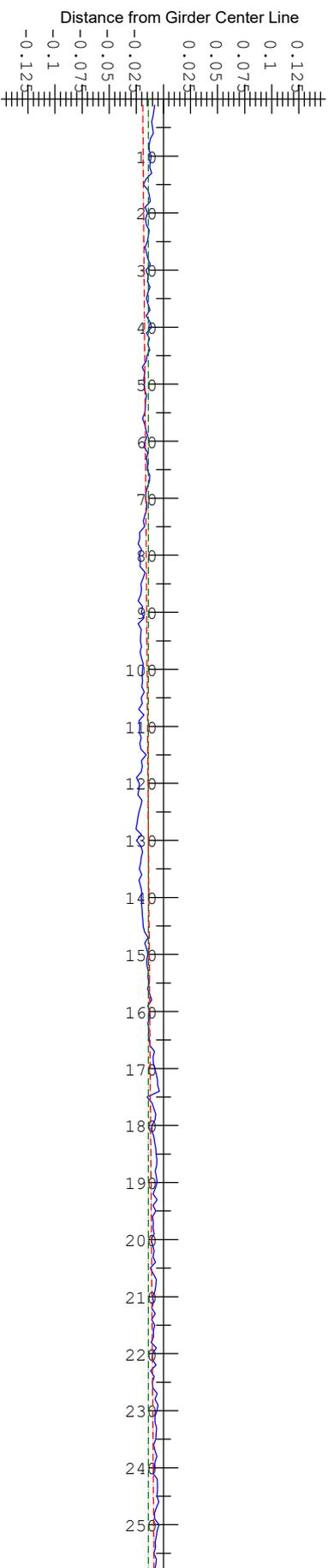


METROLOGY



Pole Tip Num. ----->

Pole Tip Symmetry Point at Nom. Beam Height



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

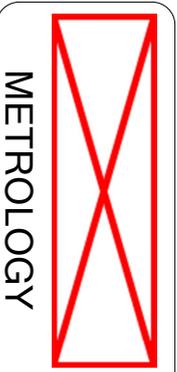


METROLOGY

HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	8.0001	DS Full :	8.3000
Nom. Taper :	0.300	US Wall Half :	4.0020	DS Wall Half :	4.1498
		US Aisle Half :	4.0026	DS Aisle Half :	4.1508

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



METROLOGY

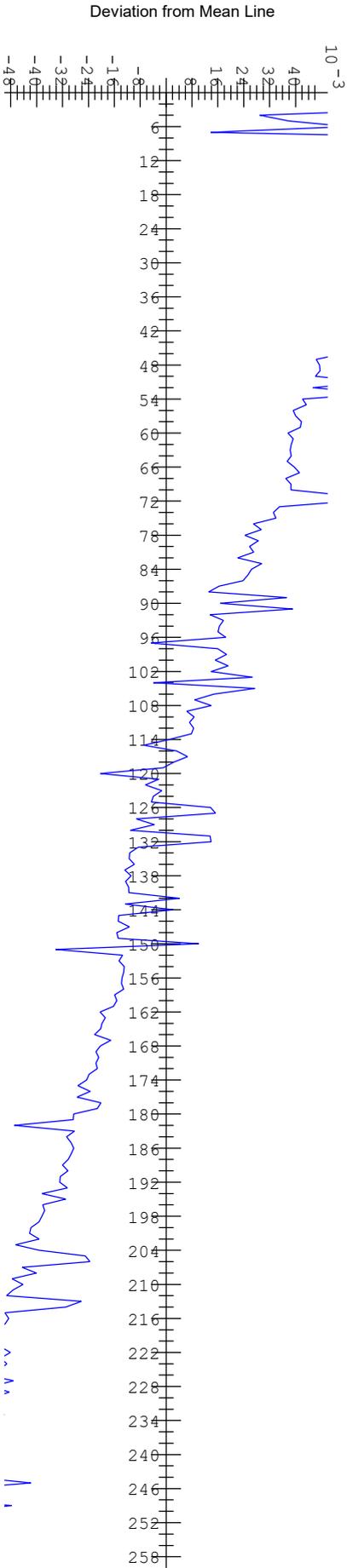
HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap : 8.000 US Full : 8.0001 DS Full : 8.3000
 Nom. Taper : 0.300 US Wall Half : 4.0020 DS Wall Half : 4.1498
 US Aisle Half : 4.0026 DS Aisle Half : 4.1508

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

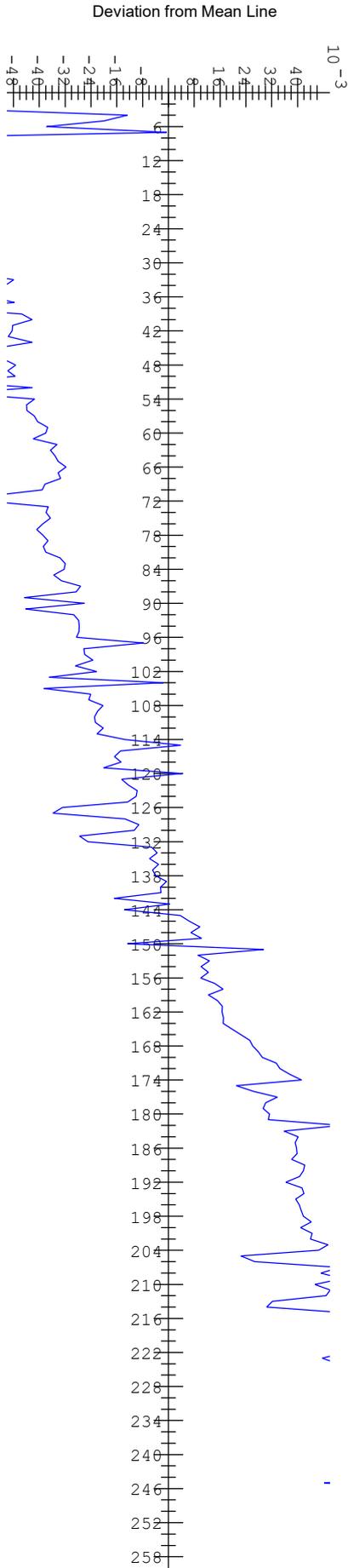
Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM



Pole Tip Num. ----->

Wall Pole Tips



Aisle Pole Tips