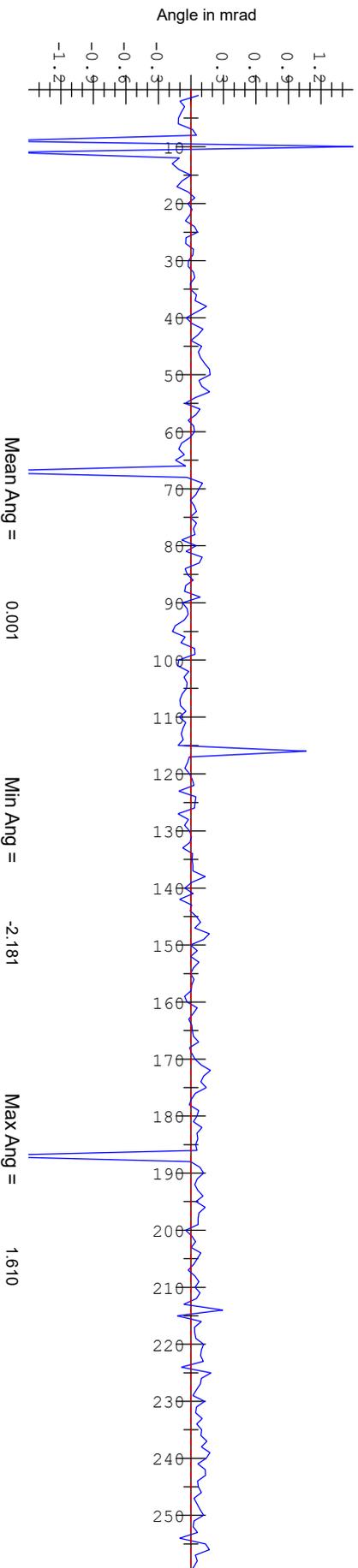


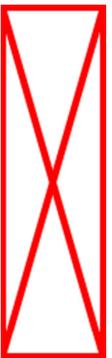
Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

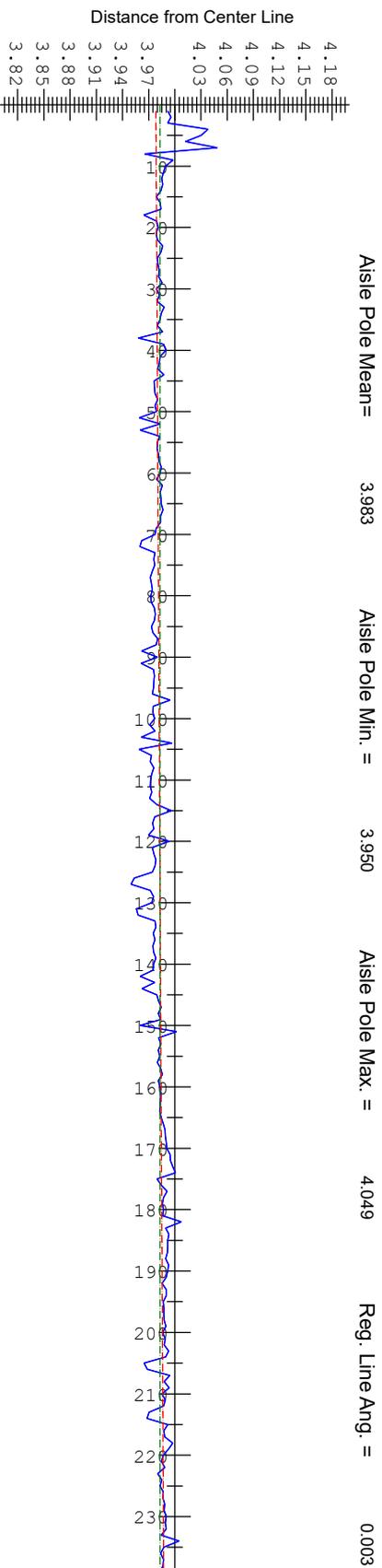


METROLOGY

HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	8.0000
Nom. Taper :	0.000	US Wall Half :	4.0014	DS Wall Half :	4.0025
		US Aisle Half :	4.0020	DS Aisle Half :	4.0010

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

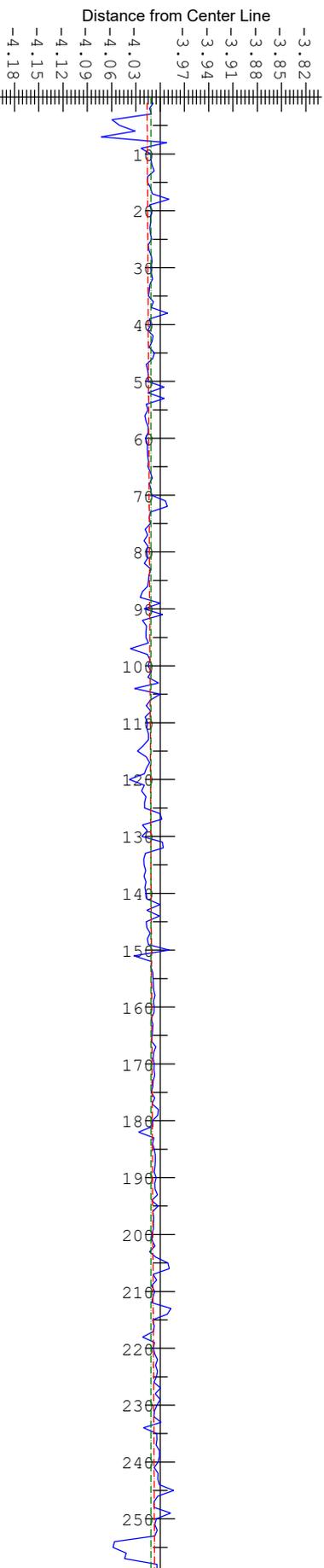


Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 7.900



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 :	7.9996	DS Full :	8.0000
US Wall Half :	4.0014	US Aisle Half :	4.0020	DS Wall Half :	4.0025
DS Aisle Half :	4.0010				

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

Values Calculated from Regression Line End Points

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	3.978	0.000	8.750	
US Wall Pole Tip(1)	-4.016	0.000	8.750	
US Sym. Pt.	-0.019			
US Gap				7.995
DS Aisle Pole Tip(260)	3.988	0.000	3375.750	
DS Wall Pole Tip(260)	-4.007	0.000	3375.750	
DS Sym. Pt.	-0.009			
DS Gap				7.995
Taper				0.000

Dimensions in MM

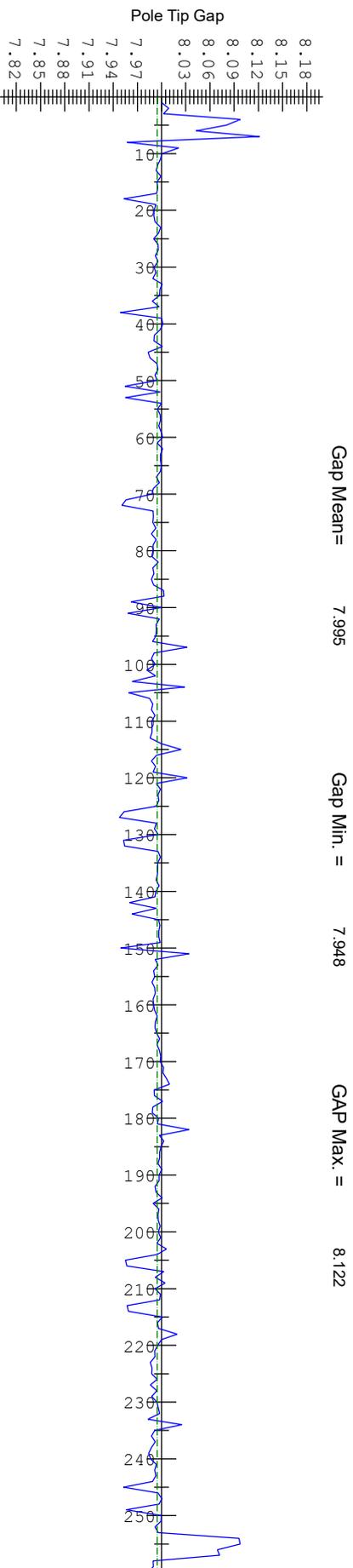
HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap : 8.000 US Full : 7.9996 DS Full : 8.0000
 US Wall Half : 4.0014 DS Wall Half : 4.0025
 Nom. Taper : 0.000 US Aisle Half : 4.0020 DS Aisle Half : 4.0010



METROLOGY

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

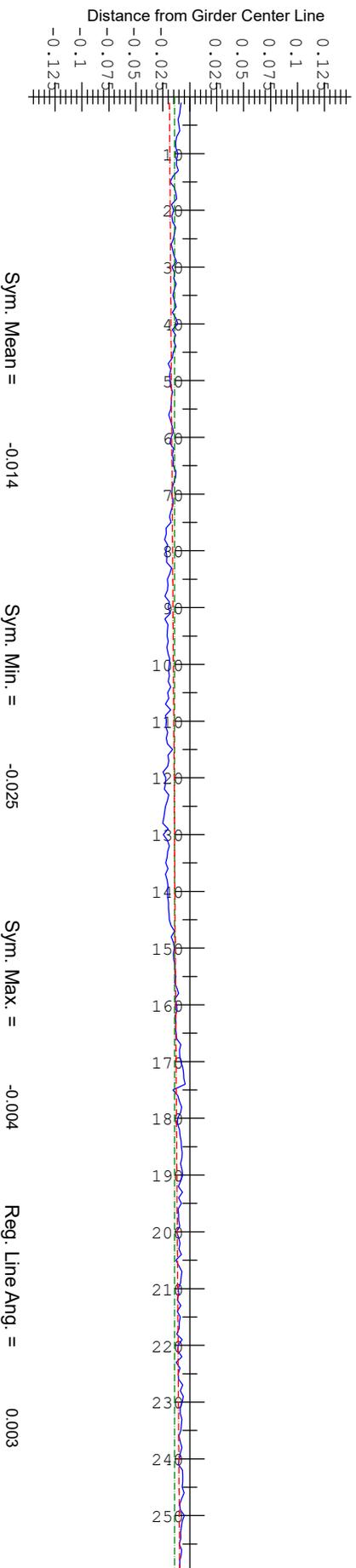


Pole Tip Gap at Nom. Beam Height

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

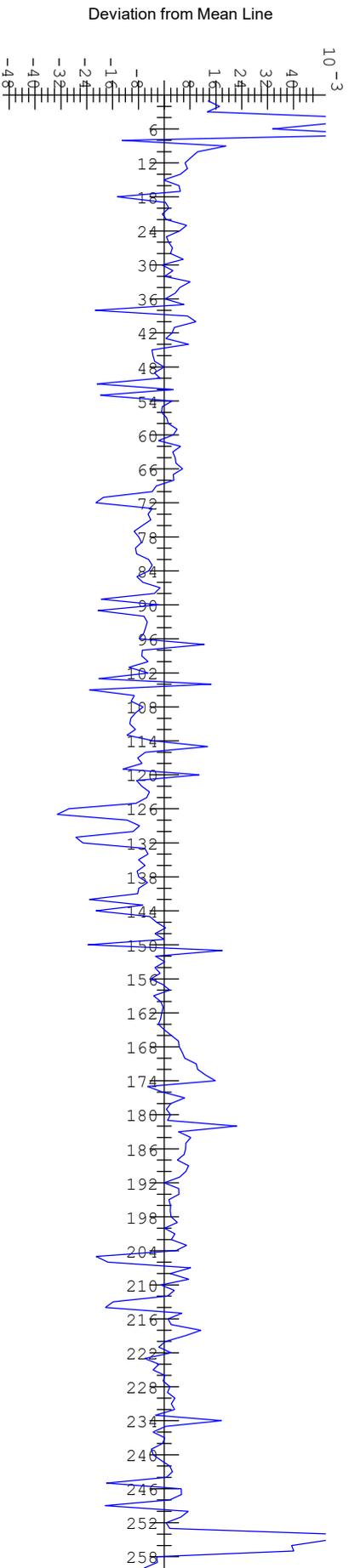
Dimensions in MM, Angles in Milliradians

METROLOGY

HGVPU - Pole Tip Gap and Symmetry Point Location

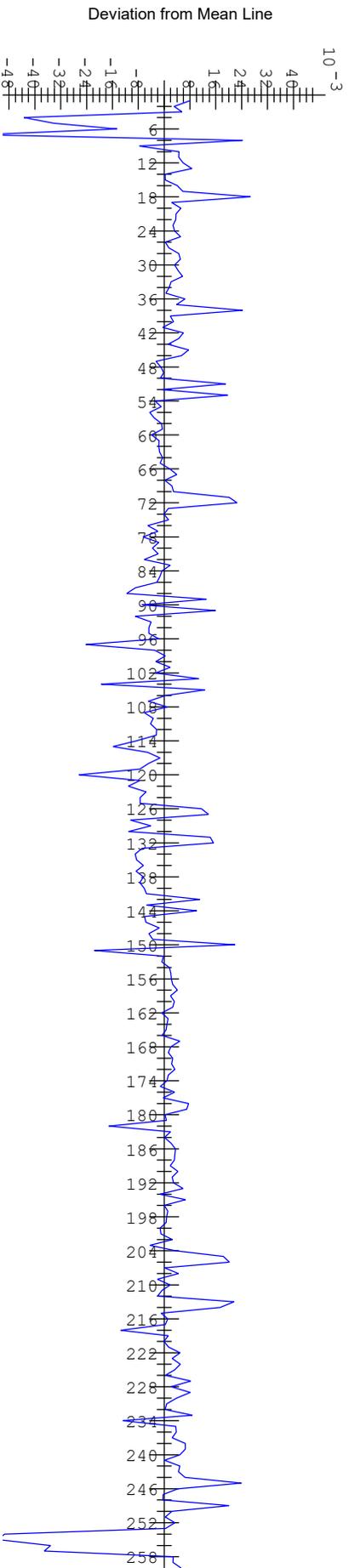
Nominal Gap :	8.000	US Full :	7.9996	DS Full :	8.0000
US Wall Half :	4.0014	US Aisle Half :	4.0020	DS Wall Half :	4.0025
Nom. Taper :	0.000	DS Aisle Half :	4.0010		

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 :	7.9996	DS Full :	8.0000
Nom. Taper :	0.000	US Wall Half :	4.0014	DS Wall Half :	4.0025
		US Aisle Half :	4.0020	DS Aisle Half :	4.0010

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