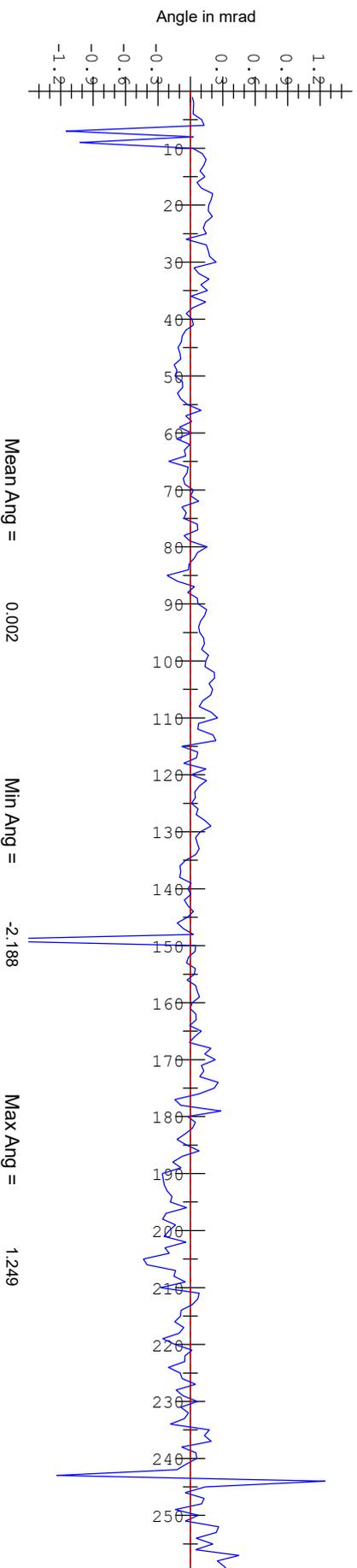


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



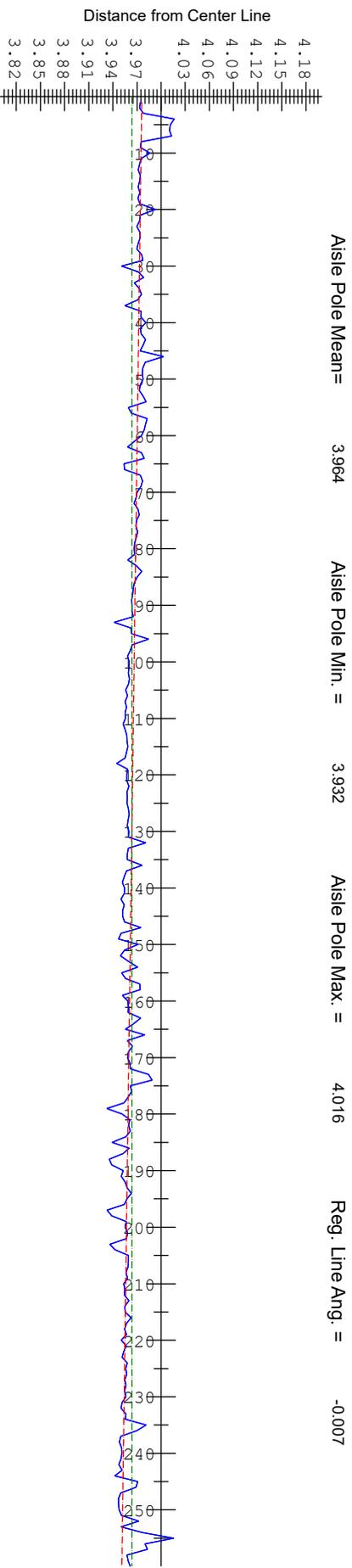
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	7.8998
Nom. Taper :	-0.100	US Wall Half :	4.0020	DS Wall Half :	3.9529
		US Aisle Half :	4.0025	DS Aisle Half :	3.9519

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Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



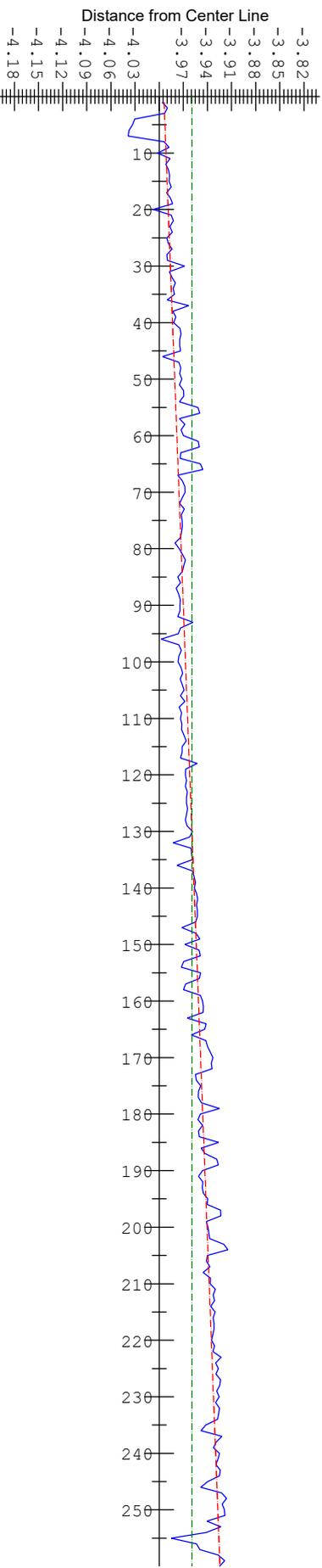
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Wall Pole Tips at Nom. Beam Height

Minimum Clearance Gap = 7.829



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

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METROLOGY

HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	7.8998
Nom. Taper :	-0.100	US Wall Half :	4.0020	DS Wall Half :	3.9529
		US Aisle Half :	4.0025	DS Aisle Half :	3.9519

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Cam Pos.	: B

Values Calculated from Regression Line End Points

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	3.976	0.000	8.750	
US Wall Pole Tip(1)	-3.994	0.000	8.750	
US Sym. Pt.	-0.009			
US Gap				7.970
DS Aisle Pole Tip(260)	3.951	0.000	3375.750	
DS Wall Pole Tip(260)	-3.924	0.000	3375.750	
DS Sym. Pt.	0.013			
DS Gap				7.876
Taper				-0.094

Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

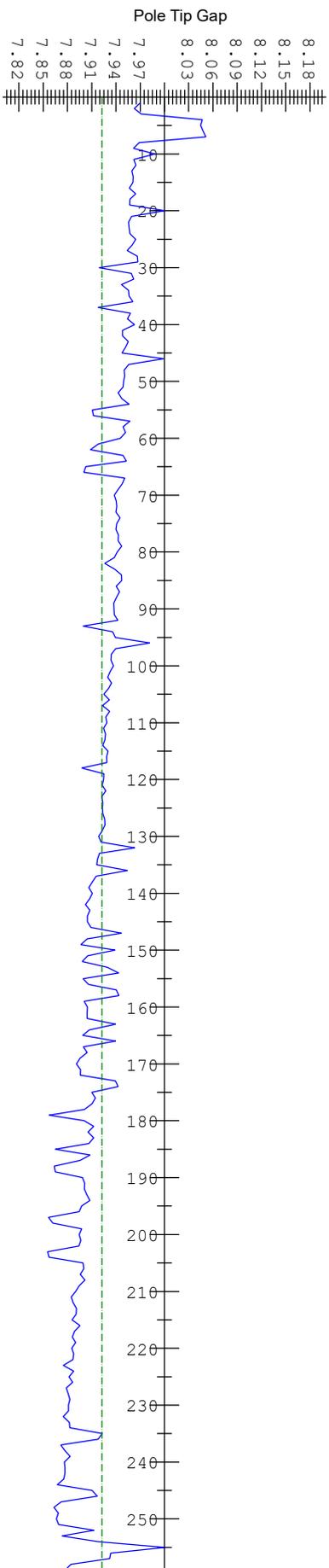
Nominal Gap :	8.000	US Full :	8.0000	DS Full :	7.8998
Nom. Taper :	-0.100	US Wall Half :	4.0020	DS Wall Half :	3.9529
		US Aisle Half :	4.0025	DS Aisle Half :	3.9519

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Run	: FINAL
Cam Pos.	: B

Gap Mean = 7.923

Gap Min. = 7.856

Gap Max. = 8.051

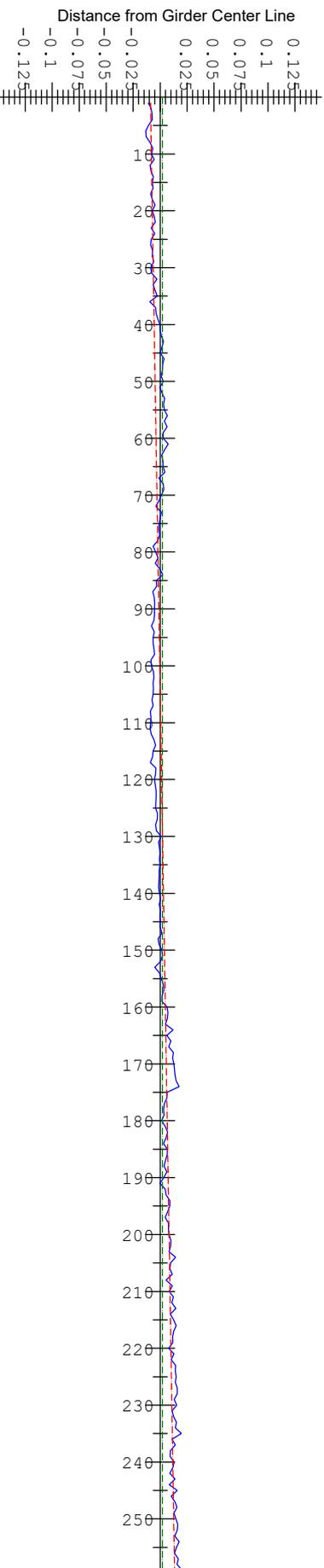


Pole Tip Gap at Nom. Beam Height

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 =

0.002

Sym. Min. =

-0.014

Sym. Max. =

0.020

Reg. Line Ang. =

0.007

Girder centerline in reference to Pointed Magnets

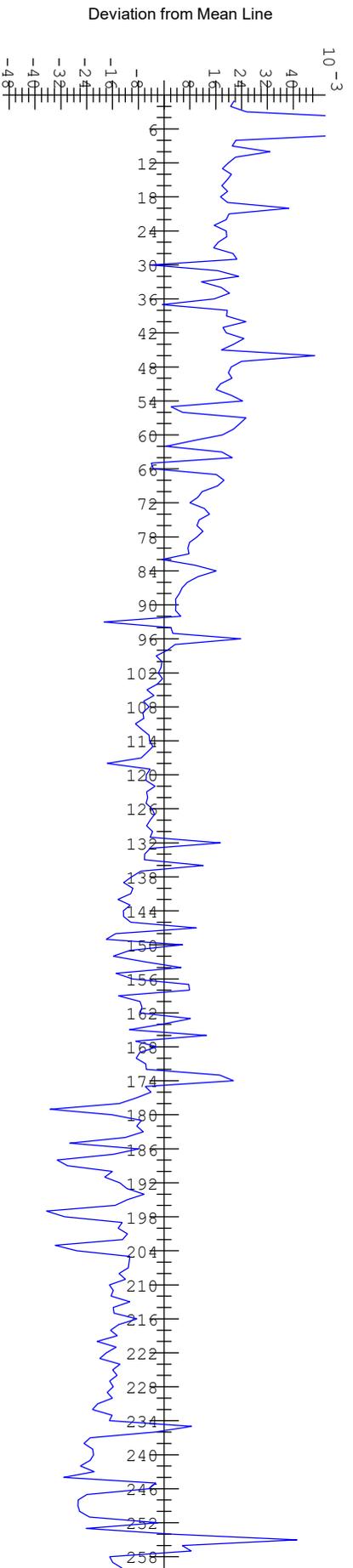
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

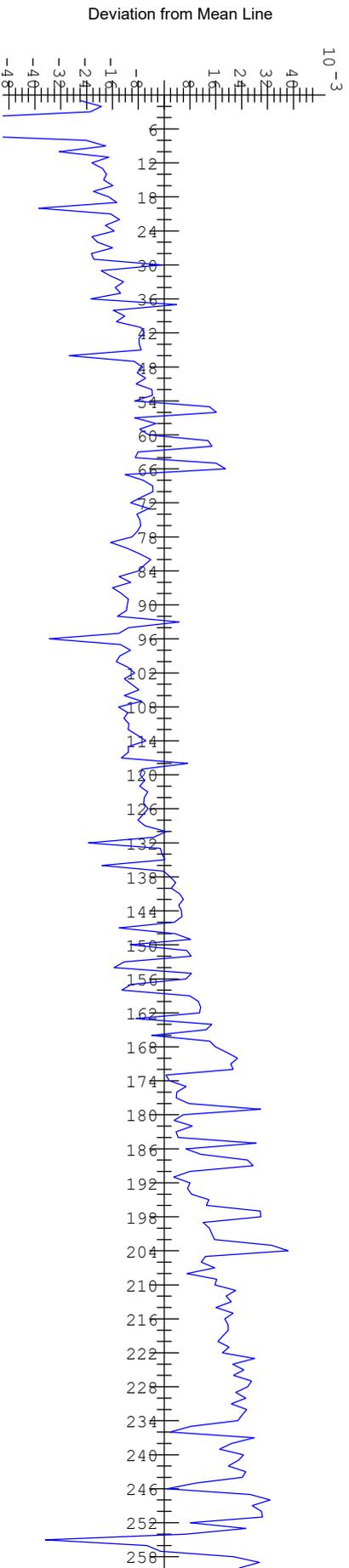
Nominal Gap :	8.000	US Full :	8.0000	DS Full :	7.8998
US Wall Half :	4.0020	US Aisle Half :	4.0025	DS Wall Half :	3.9529
Nom. Taper :	-0.100	DS Aisle Half :	3.9519		

S/N	: HXU_013
Date	: 29-JUL-2020
Data Set	: 0001
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 :	8.0000	DS Full :	7.8998
Nom. Taper :	-0.100	US Wall Half :	4.0020	DS Wall Half :	3.9529
		US Aisle Half :	4.0025	DS Aisle Half :	3.9519

S/N	: HXU 013
Date	: 29-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B