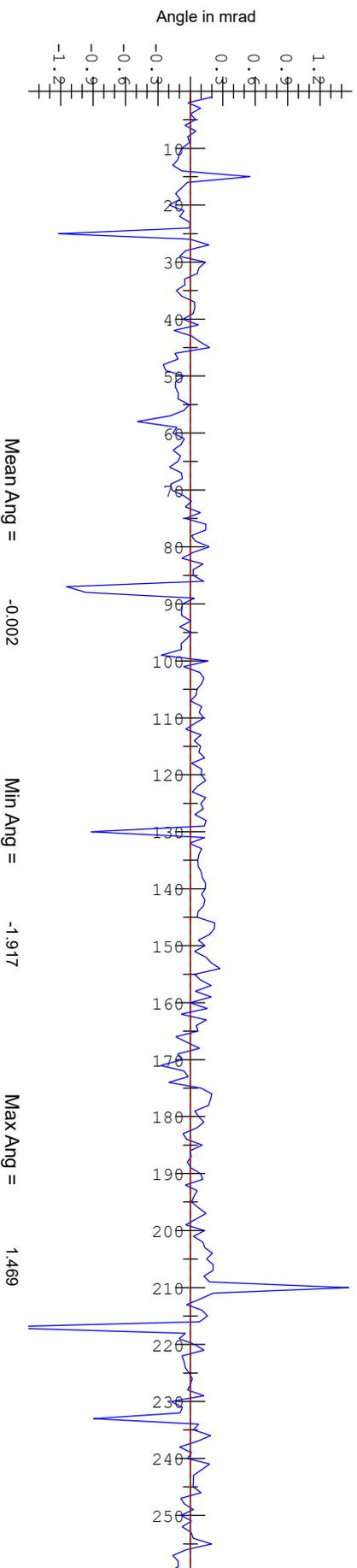


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



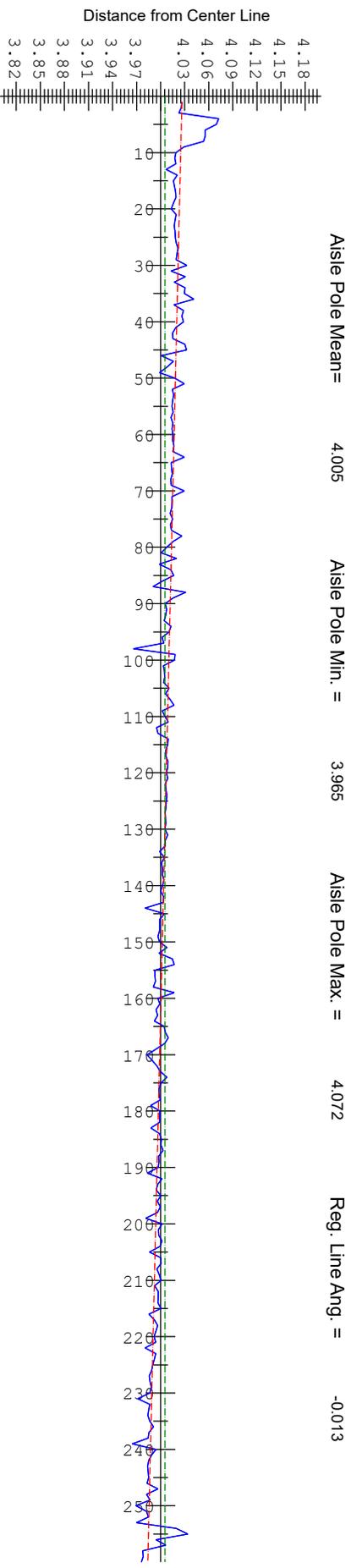
Dimensions in MM, Angles in Milliradians



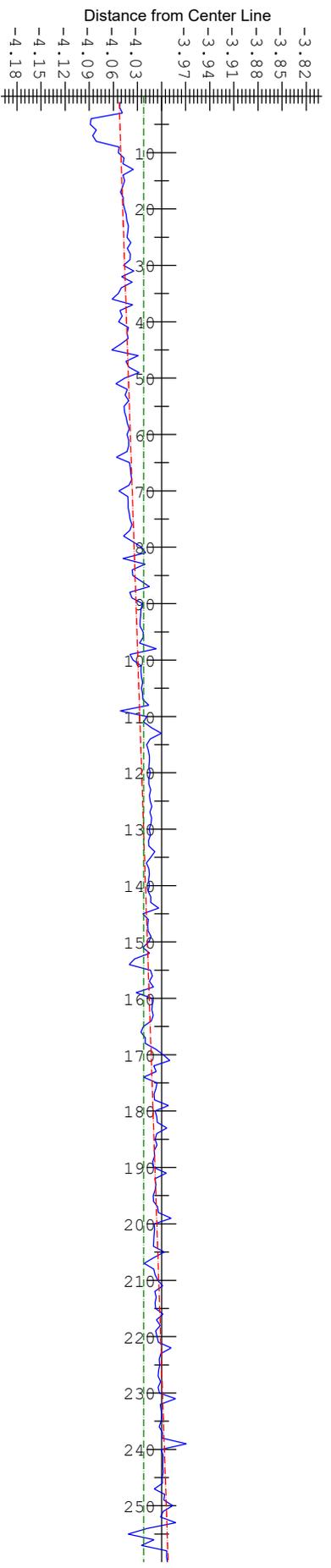
HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9997	DS Full :	7.8997
Nom. Taper :	-0.100	US Wall Half :	4.0037	DS Wall Half :	3.9518
		US Aisle Half :	4.0015	DS Aisle Half :	3.9536

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
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 = 7.930



Girder centerline in reference to Pointed Magnets
 Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline	
Nominal Gap :	8.000
Nom. Taper :	-0.100
US Full :	7.9997
US Wall Half :	4.0037
US Aisle Half :	4.0015
DS Full :	7.8997
DS Wall Half :	3.9518
DS Aisle Half :	3.9536

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
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)	4.026	0.000	8.750	
US Wall Pole Tip(1)	-4.053	0.000	8.750	
US Sym. Pt.	-0.013			
US Gap				8.079
DS Aisle Pole Tip(260)	3.984	0.000	3375.750	
DS Wall Pole Tip(260)	-3.992	0.000	3375.750	
DS Sym. Pt.	-0.004			
DS Gap				7.976
Taper				-0.104

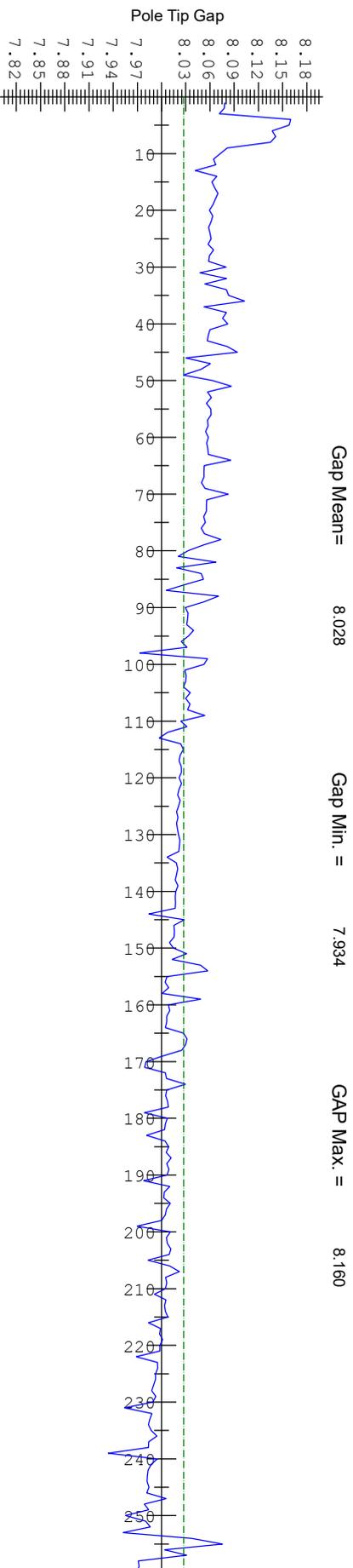
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	7.9997	DS Full :	7.8997
Nom. Taper :	-0.100	US Wall Half :	4.0037	DS Wall Half :	3.9518
		US Aisle Half :	4.0015	DS Aisle Half :	3.9536

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

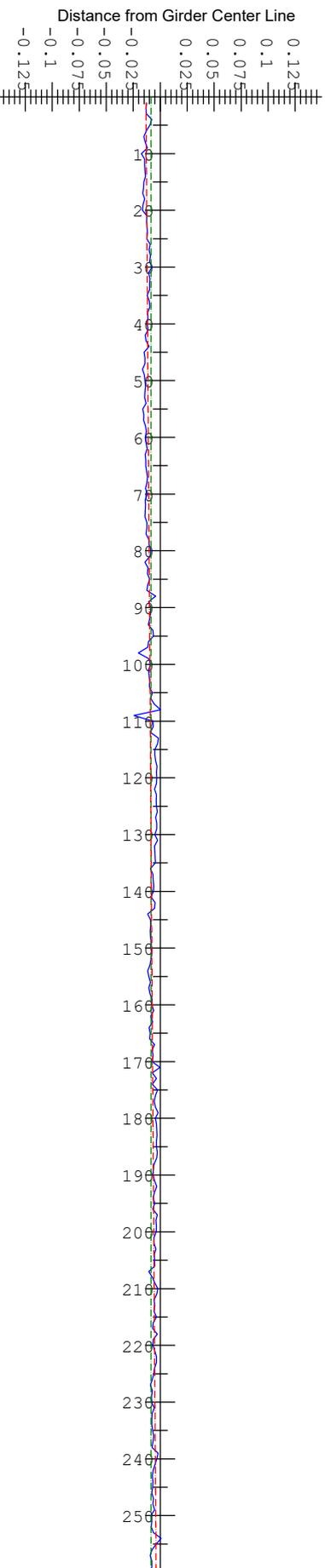


Pole Tip Gap at Nom. Beam Height

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

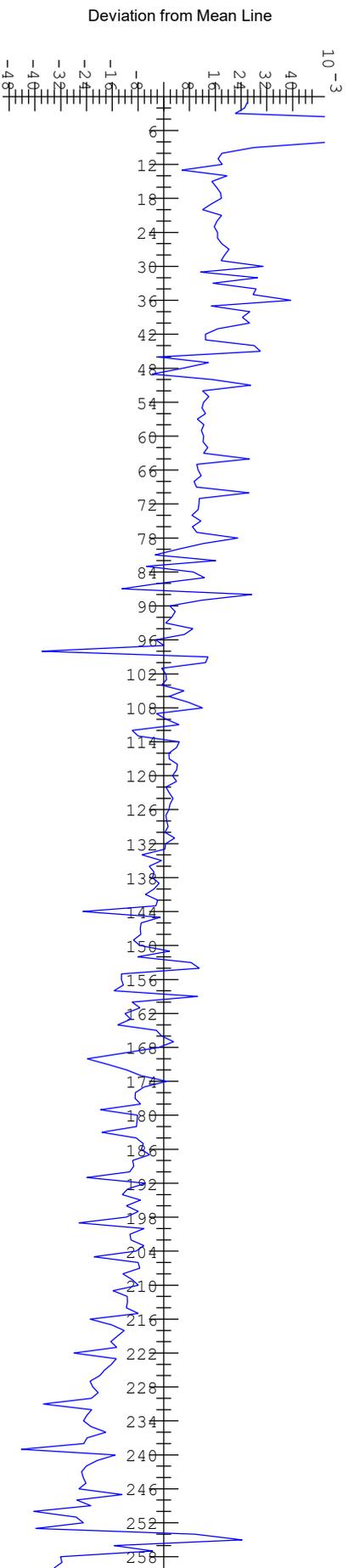
Dimensions in MM, Angles in Milliradians

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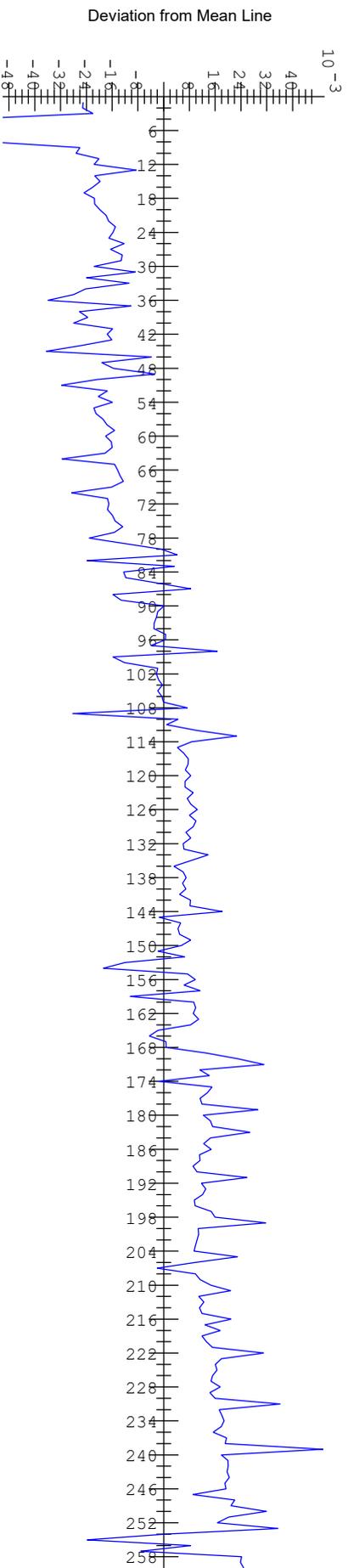
HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	7.9997	DS Full :	7.8997
Nom. Taper :	-0.100	US Wall Half :	4.0037	DS Wall Half :	3.9518
		US Aisle Half :	4.0015	DS Aisle Half :	3.9536

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
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 :	7.9997	DS Full :	7.8997
Nom. Taper :	-0.100	US Wall Half :	4.0037	DS Wall Half :	3.9518
		US Aisle Half :	4.0015	DS Aisle Half :	3.9536

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B