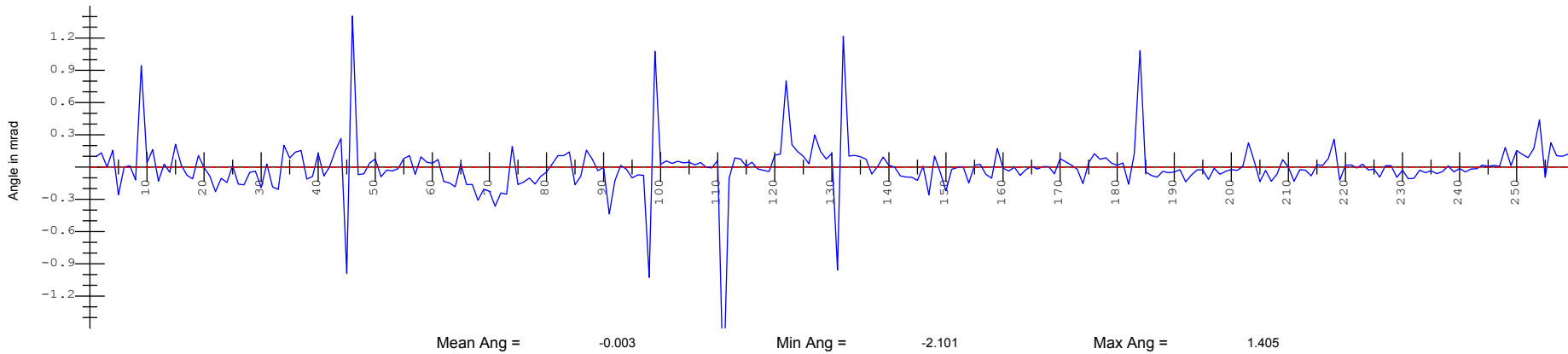


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

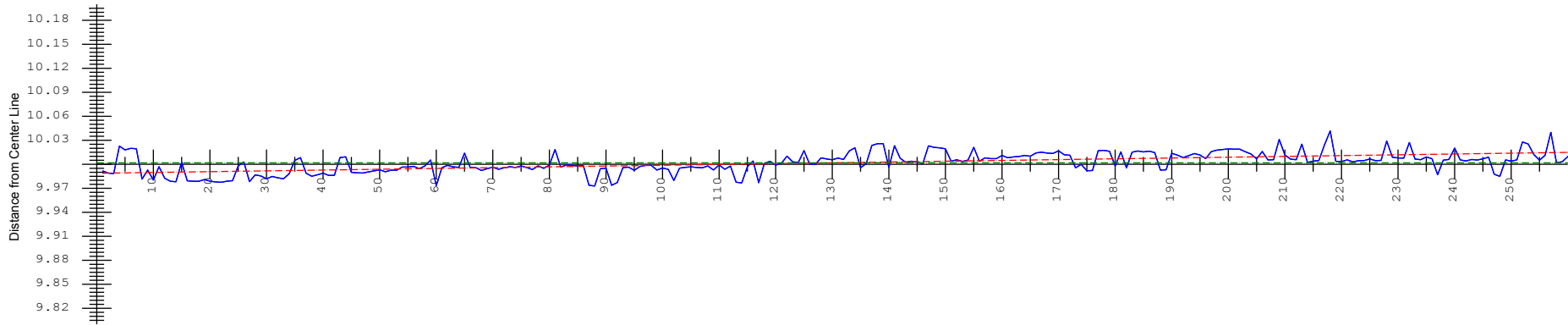


HGVPU - Pole Tip Angles

Nominal Gap :	20.000	US Full :	19.9999	DS Full :	20.0001
Nom. Taper :	0.000	US Wall Half :	9.9942	DS Wall Half :	9.9949
		US Aisle Half :	9.9936	DS Aisle Half :	9.9957

S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 10.002 Aisle Pole Min. = 9.973 Aisle Pole Max. = 10.042 Reg. Line Ang. = 0.008



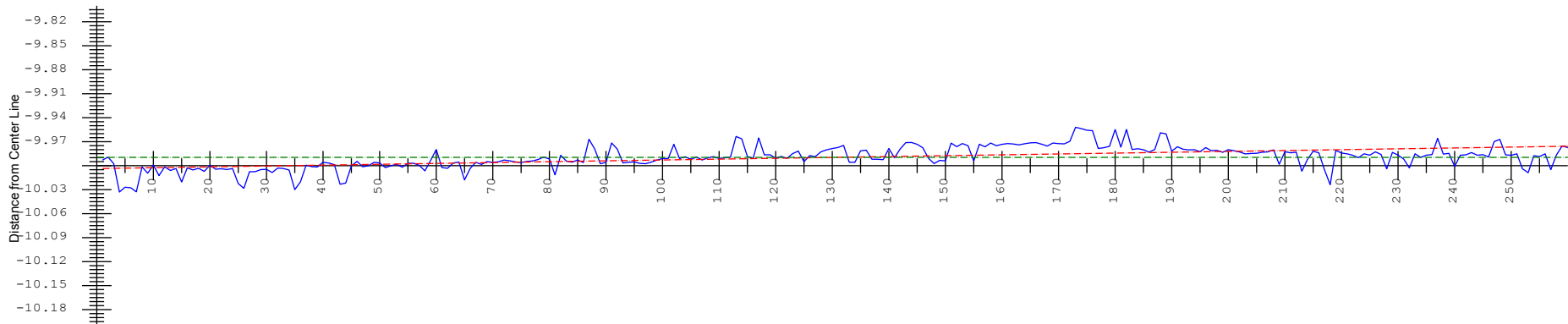
Aisle Pole Tips at Nom. Beam Height

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

Pole Tip Num. ----->

Wall Pole Tips at Nom. Beam Height

Minimum Clearance Gap = 19.904



Wall Pole Mean = -9.990 Wall Pole Min. = -10.033 Wall Pole Max. = -9.952 Reg. Line Ang. = 0.008

Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	20.000	US Full :	19.9999	DS Full :	20.0001
Nom. Taper :	0.000	US Wall Half :	9.9942	DS Wall Half :	9.9949
		US Aisle Half :	9.9936	DS Aisle Half :	9.9957

S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
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)	9.989	0.000	8.750	
US Wall Pole Tip(1)	-10.004	0.000	8.750	
US Sym. Pt.	-0.007			
US Gap				19.992
DS Aisle Pole Tip(260)	10.015	0.000	3375.750	
DS Wall Pole Tip(260)	-9.976	0.000	3375.750	
DS Sym. Pt.	0.020			
DS Gap				19.991
Taper				-0.002

Dimensions in MM

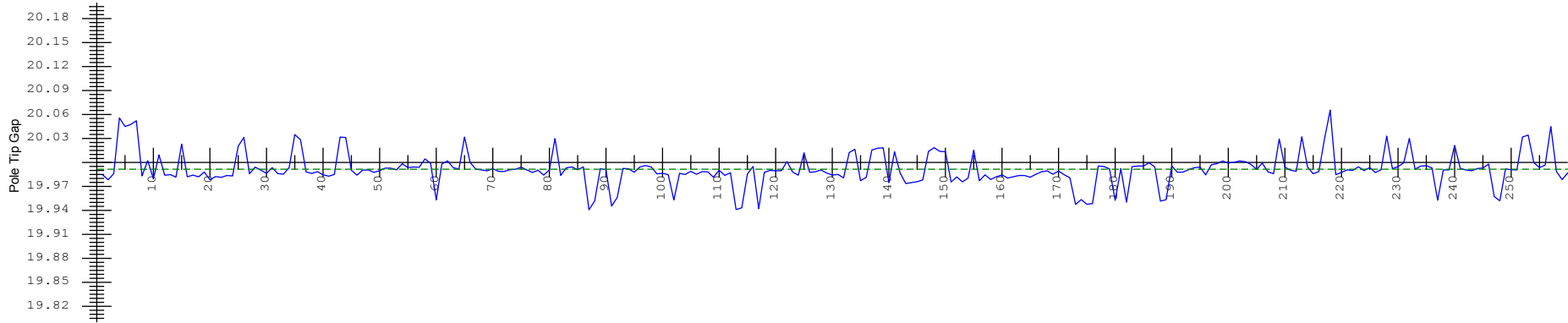


HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	20.000	US Full :	19.9999	DS Full :	20.0001
Nom. Taper :	0.000	US Wall Half :	9.9942	DS Wall Half :	9.9949
		US Aisle Half :	9.9936	DS Aisle Half :	9.9957

S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Gap Mean= 19.991 Gap Min. = 19.941 GAP Max. = 20.065

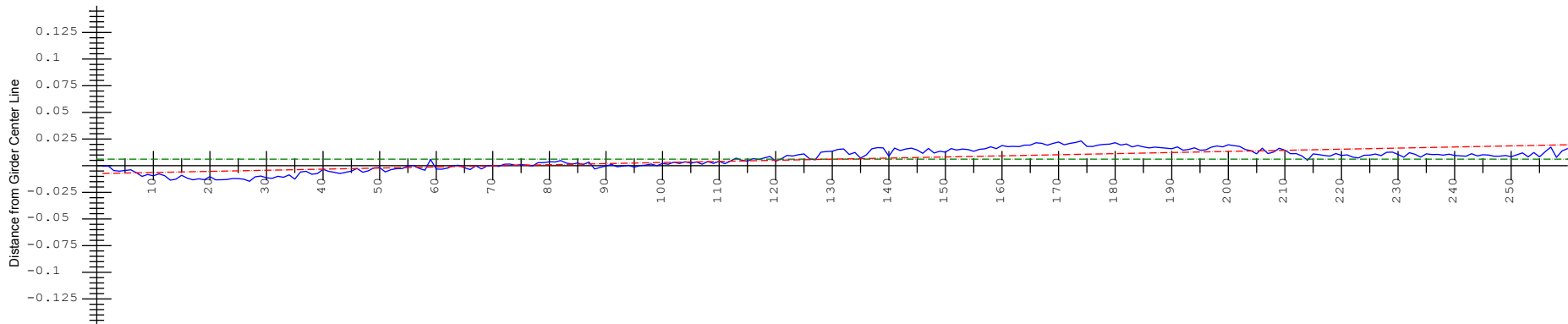


Pole Tip Gap at Nom. Beam Height

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 = 0.006 Sym. Min. = -0.015 Sym. Max. = 0.023 Reg. Line Ang. = 0.008

Girder centerline in reference to Pointed Magnets

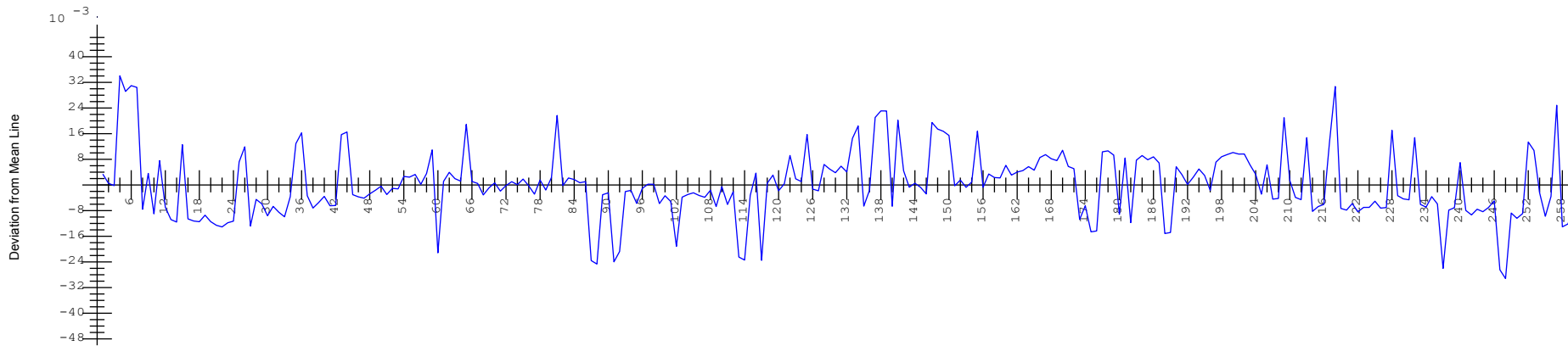
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	20.000	US Full :	19.9999	DS Full :	20.0001
Nom. Taper :	0.000	US Wall Half :	9.9942	DS Wall Half :	9.9949
		US Aisle Half :	9.9936	DS Aisle Half :	9.9957

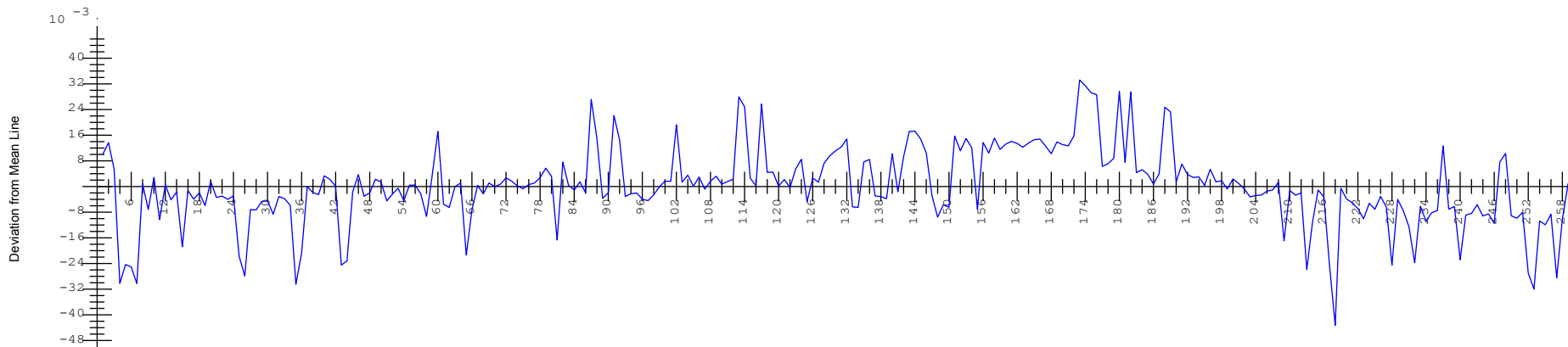
S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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



HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	20.000	US Full :	19.9999	DS Full :	20.0001
Nom. Taper :	0.000	US Wall Half :	9.9942	DS Wall Half :	9.9949
		US Aisle Half :	9.9936	DS Aisle Half :	9.9957

S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B