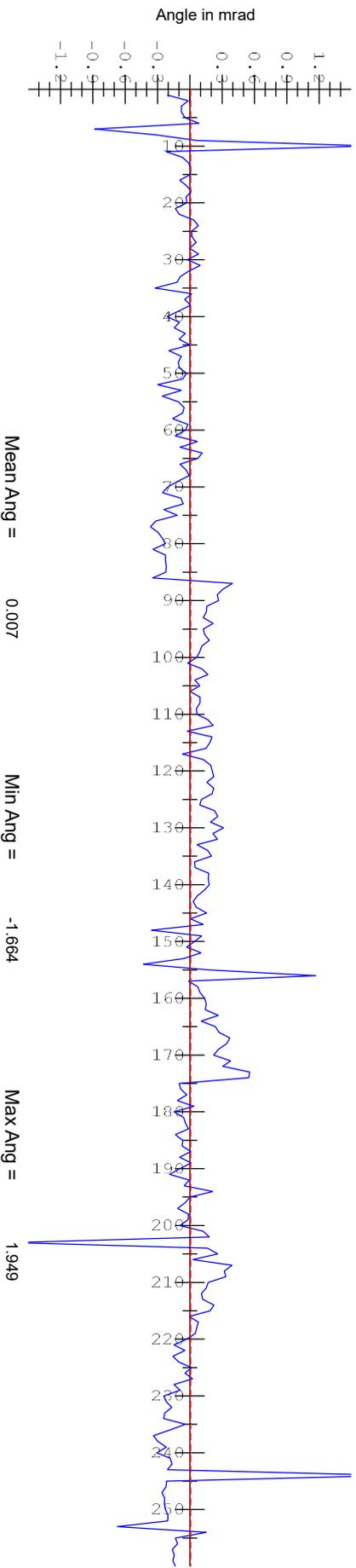


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

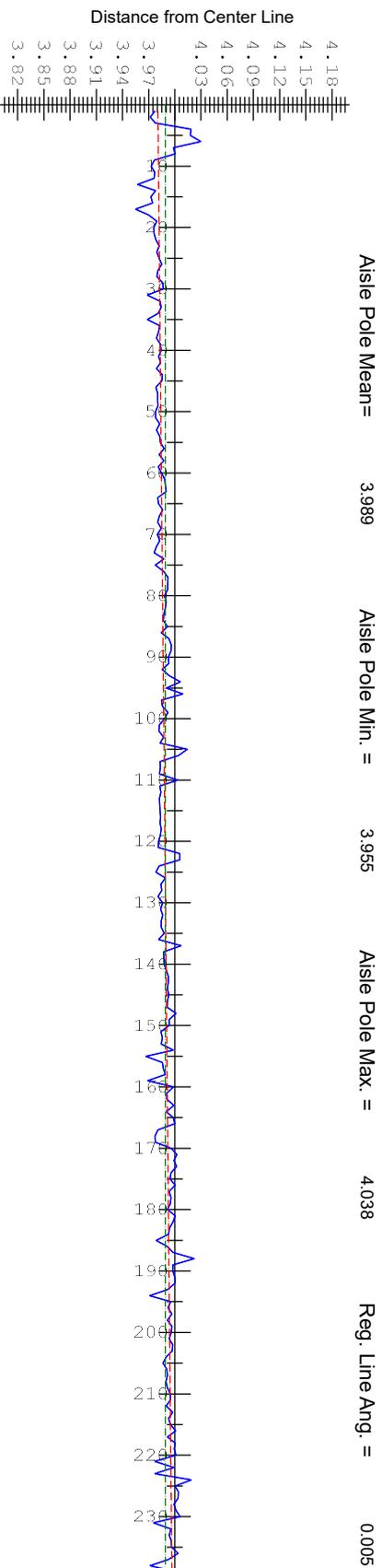


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METROLOGY

HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	8.0000
Nom. Taper :	0.000	US Wall Half :	3.9997	DS Wall Half :	3.9984
		US Aisle Half :	3.9999	DS Aisle Half :	3.9994

S/N	: HXU 033
Date	: 20-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

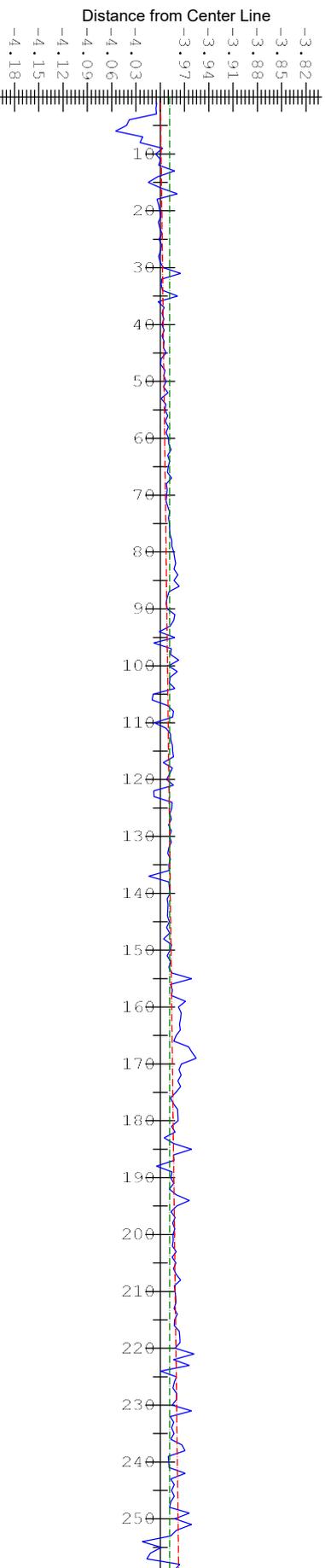


Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

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

Minimum Clearance Gap = 7.910



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

	HGVPU - Pole Tip Location from Girder Centerline				
	Nominal Gap :	8.000	US Wall Half :	3.9997	
Nom. Taper :	0.000	US Aisle Half :	3.9999	DS Full :	8.0000
		DS Wall Half :	3.9984	DS Aisle Half :	3.9994
S/N	: HXU_033				
Date	: 20-JUL-2020				
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)	3.981	0.000	8.750	
US Wall Pole Tip(1)	-4.000	0.000	8.750	
US Sym. Pt.	-0.010			
US Gap				7.980
DS Aisle Pole Tip(260)	3.998	0.000	3375.750	
DS Wall Pole Tip(260)	-3.977	0.000	3375.750	
DS Sym. Pt.	0.010			
DS Gap				7.975
Taper				-0.005

Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	8.0000
Norm. Taper :	0.000	US Wall Half :	3.9997	DS Wall Half :	3.9984
		US Aisle Half :	3.9999	DS Aisle Half :	3.9994

S/N	: HXU_033
Date	: 20-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

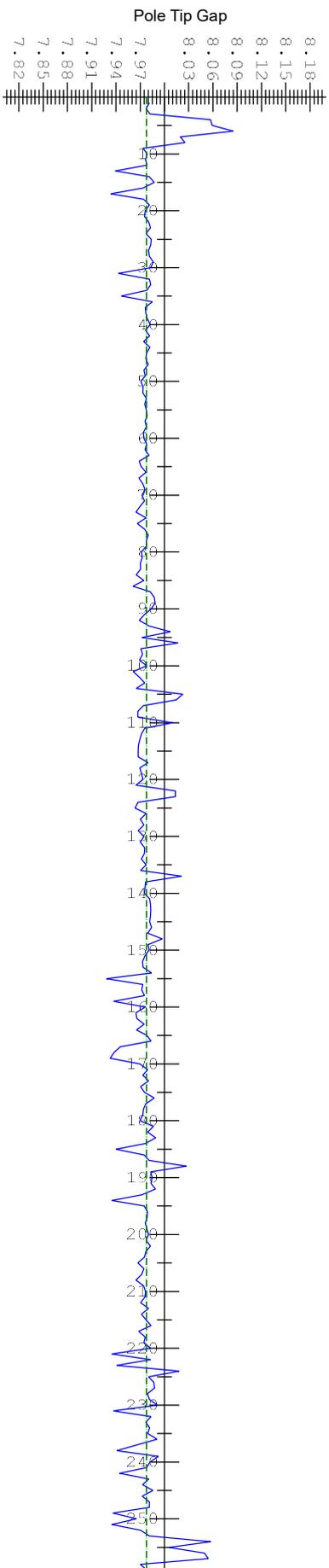
Gap Mean = 7.978

Gap Min. = 7.928

7.928

GAP Max. = 8.085

8.085



Pole Tip Gap at Nom. Beam Height

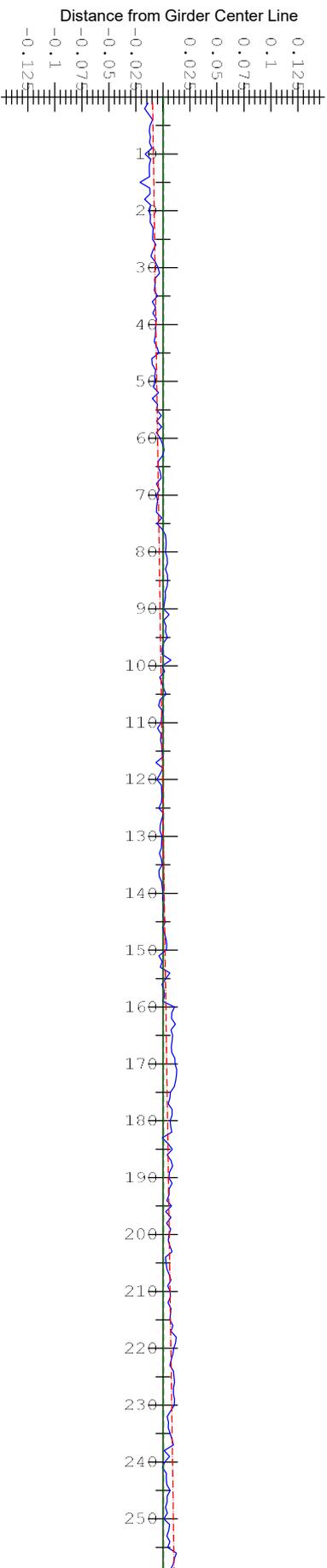
Pole Tip Num. ----->

Blue = Pole Tip points

Green = Mean line

Red = Regression line thru points

Pole Tip Symmetry Point at Nom. Beam Height



Sym. Mean = 0.000

Sym. Min. = -0.021

-0.021

Sym. Max. = 0.013

0.013

Reg. Line Ang. = 0.006

0.006

Girder centerline in reference to Pointed Magnets

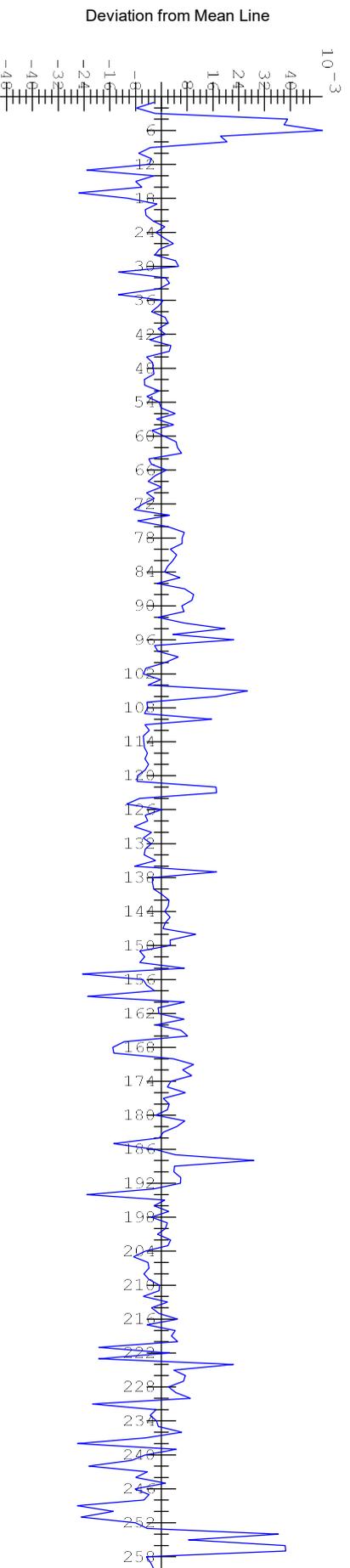
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

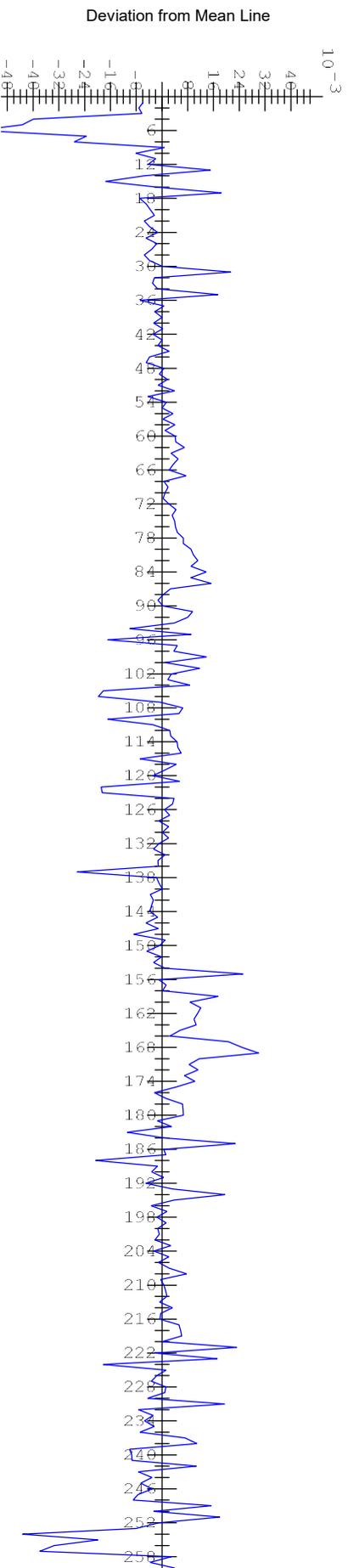
Nominal Gap :	8.000	US Full :	7.9996	DS Full :	8.0000
Nom. Taper :	0.000	US Wall Half :	3.9997	DS Wall Half :	3.9984
		US Aisle Half :	3.9999	DS Aisle Half :	3.9994

S/N	: HXU_033
Date	: 20-JUL-2020
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 :	8.000	US Full :	7.9996	DS Full :	8.0000
Nom. Taper :	0.000	US Wall Half :	3.9997	DS Wall Half :	3.9984
		US Aisle Half :	3.9999	DS Aisle Half :	3.9994

S/N	: HXU_033
Date	: 20-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B