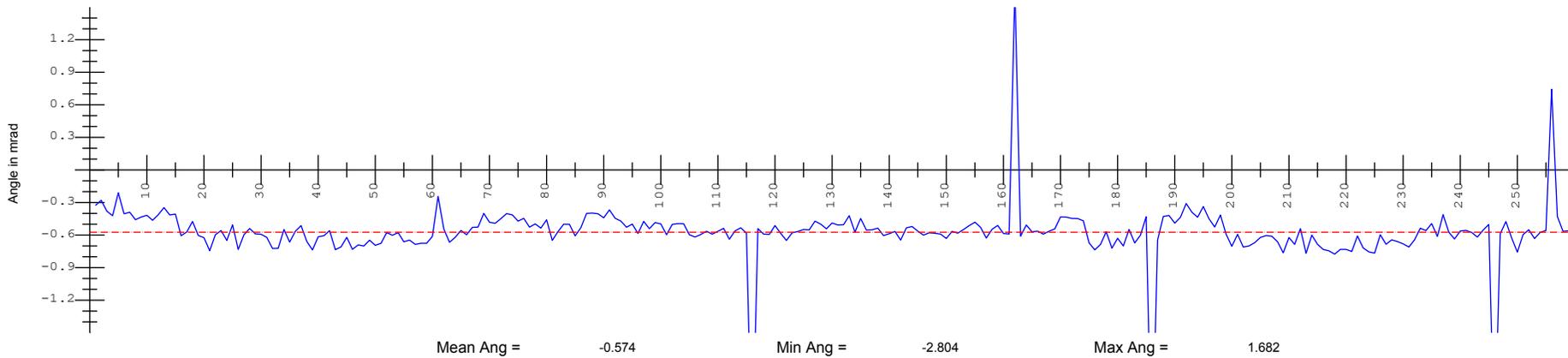


Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Grider ZX Plane



Dimensions in MM, Angles in Milliradians

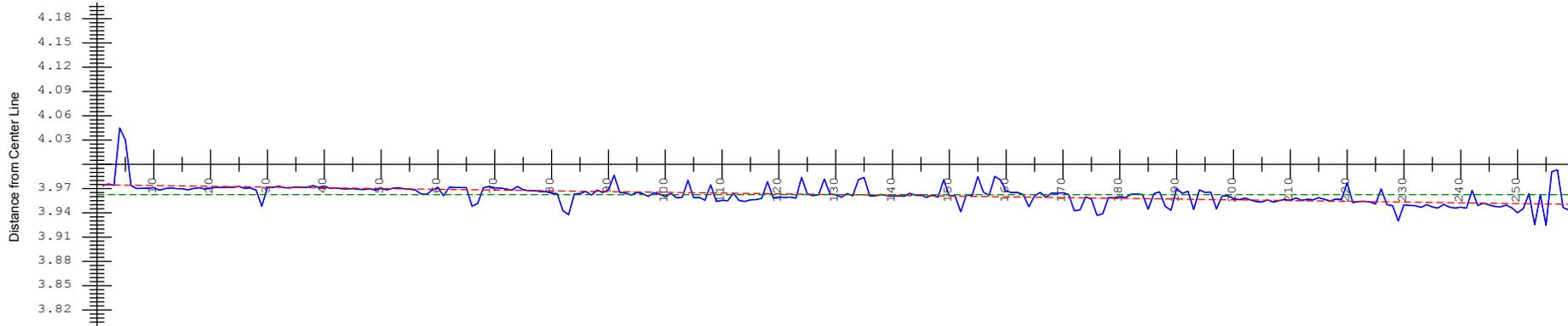


HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	-100.9700	DS Full :	-911.9000
Nom. Taper :	-0.100	US Wall Half :	4.0012	DS Wall Half :	3.9508
		US Aisle Half :	4.0014	DS Aisle Half :	3.9501

S/N	: HXU_002
Date	: 24-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 3.963 Aisle Pole Min. = 3.925 Aisle Pole Max. = 4.045 Reg. Line Ang. = -0.007



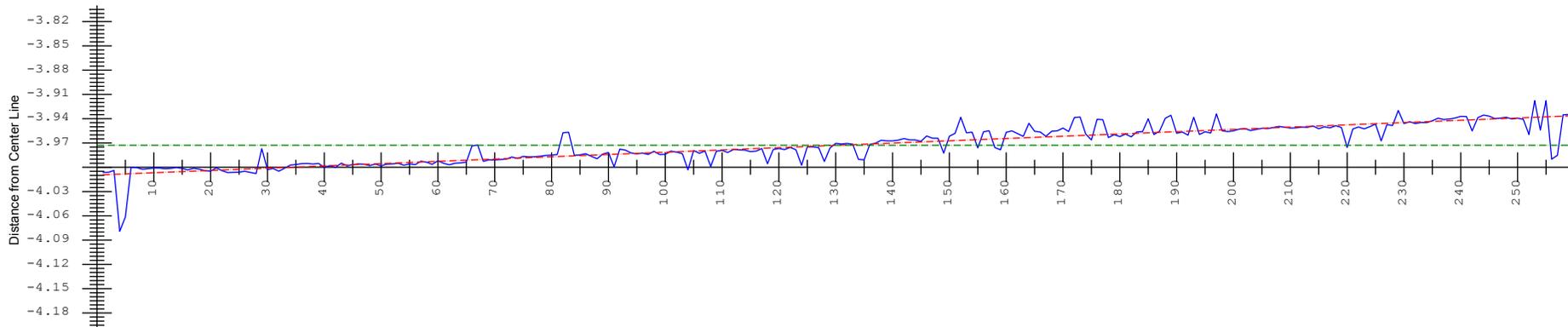
Aisle Pole Tips at Nom. Beam Height

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 = 7.835



Wall Pole Mean = -3.973 Wall Pole Min. = -4.079 Wall Pole Max. = -3.918 Reg. Line Ang. = 0.022

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 Full :	-100.9700	DS Full :	-911.9000
Nom. Taper :	-0.100	US Wall Half :	4.0012	DS Wall Half :	3.9508
		US Aisle Half :	4.0014	DS Aisle Half :	3.9501

S/N	: HXU_002
Date	: 24-APR-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)	3.975	0.000	8.750	
US Wall Pole Tip(1)	-4.009	0.000	8.750	
US Sym. Pt.	-0.017			
US Gap				7.984
DS Aisle Pole Tip(260)	3.950	0.000	3375.750	
DS Wall Pole Tip(260)	-3.936	0.000	3375.750	
DS Sym. Pt.	0.007			
DS Gap				7.887
Taper				-0.097

Dimensions in MM

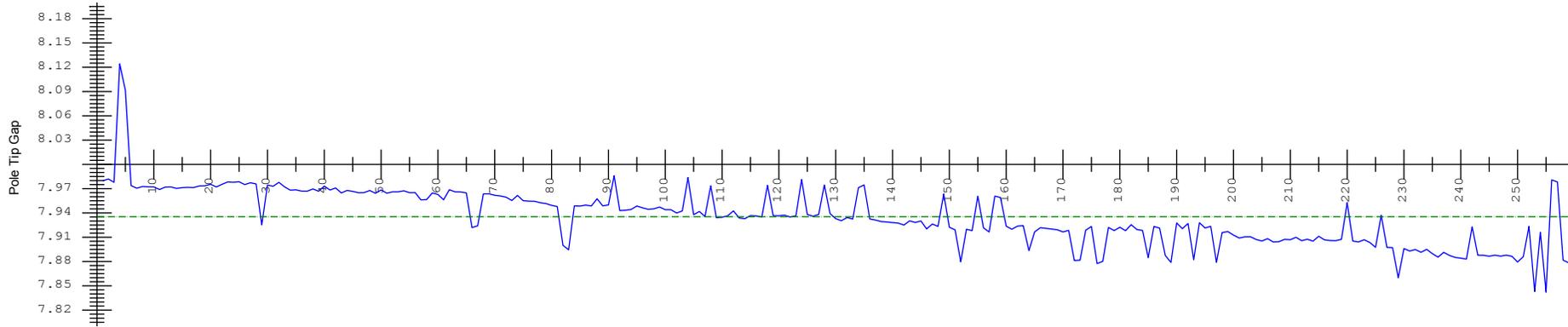


HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	-100.9700	DS Full :	-911.9000
Nom. Taper :	-0.100	US Wall Half :	4.0012	DS Wall Half :	3.9508
		US Aisle Half :	4.0014	DS Aisle Half :	3.9501

S/N	: HXU_002
Date	: 24-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Gap Mean= 7.935 Gap Min. = 7.842 GAP Max. = 8.124

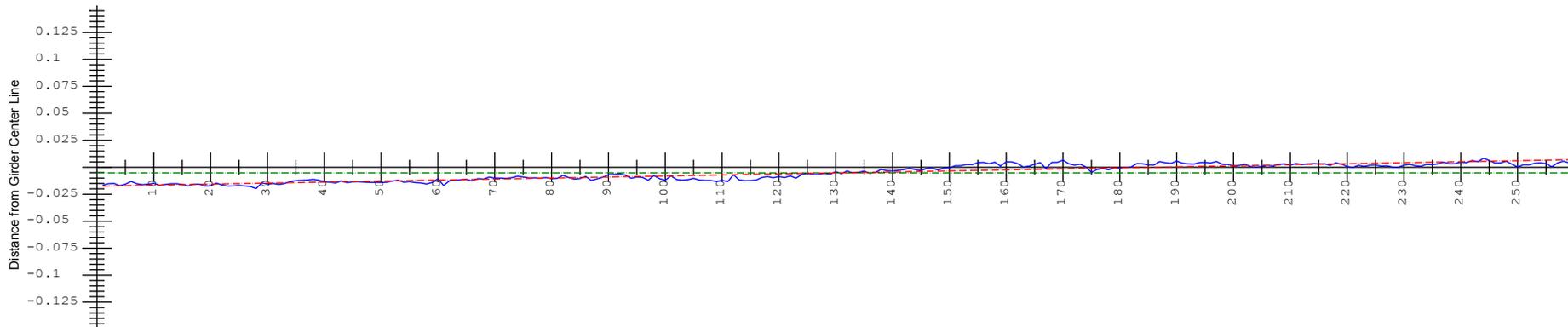


Pole Tip Gap at Nom. Beam Height

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 = -0.005 Sym. Min. = -0.020 Sym. Max. = 0.008 Reg. Line Ang. = 0.007

Girder centerline in reference to Pointed Magnets

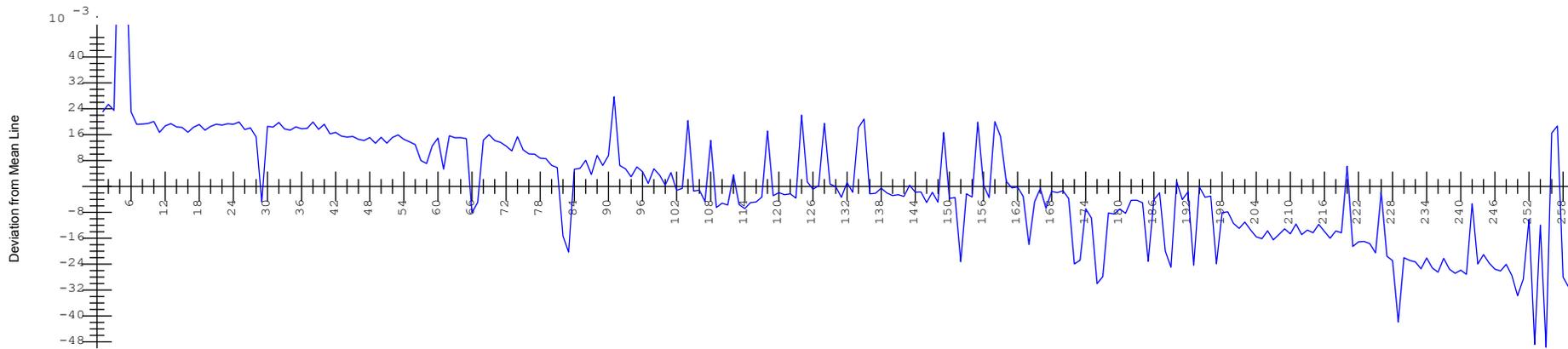
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	-100.9700	DS Full :	-911.9000
Nom. Taper :	-0.100	US Wall Half :	4.0012	DS Wall Half :	3.9508
		US Aisle Half :	4.0014	DS Aisle Half :	3.9501

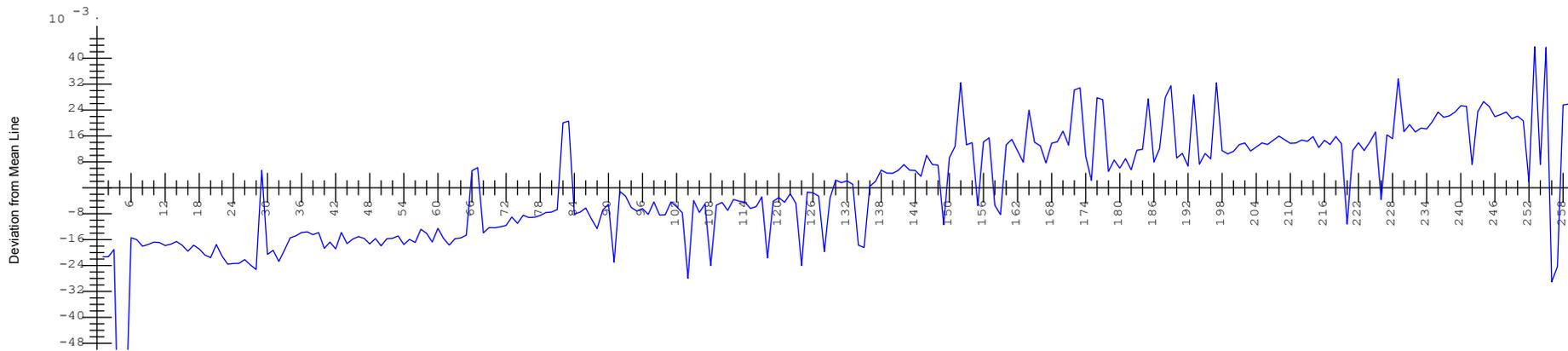
S/N	: HXU_002
Date	: 24-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	8.000	US Full :	-100.9700	DS Full :	-911.9000
Nom. Taper :	-0.100	US Wall Half :	4.0012	DS Wall Half :	3.9508
		US Aisle Half :	4.0014	DS Aisle Half :	3.9501

S/N	: HXU_002
Date	: 24-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B